VICINITY MAP



ABBREVIATIONS

Above finished floor	AFF	Entrance	ENTR	Maximum	MAX	Rubber tile floor	RTF
Acoustic	ACST	Equal	EQ	Mechanical	MECH	Rubber	RBR
Acoustic Panel Ceiling	APC	Equipment	EQUIP	Membrane	MEMB	Schedule	SCHED
Addendum	ADD	Exhaust	EXH	Men	M	Schematic	SCHEM
Alternate	ALT	Existing	EXIST	Metal	MET, MTL	Section	SECT
Aluminum	AL	Expansion joint	EXP JT	Mezzanine	MEZZ	Service	SVCE
Angle	L	Exposed	EXP	Minimum	MIN	"Sheet, sheeting"	SHT
Approximate	APPROX	Exterior	EXT	Mirror	MIR	Shower	SH
Architecture, architectural	ARCH	Fabricate	FAB	Miscellaneous	MISC	Siding	SDG
Asbestos	ASB	Face of Stud	F. OF S.	Mounted	MTD	Similar	SIM
Asphalt	ASPH	Fan Coil Unit	FCU	Mounting	MTG	Slope	SL
Assistant	ASST	Fiberglass-reinforced plastics	FRP	Necessary	NEC	Sound-transmission class	STC
Association	ASSN	Finish	FIN	Noise-reduction coefficient	NRC	South	S
Automatic	AUTO	Finished Floor	FF	Nominal	NOM	Speaker	SPKR
Average	AVG	Fire Extinguisher	FE	Non Combustible	NC,NONCOM	Specification	SPEC
Base plate	BP	Fire Extinguisher & Cabinet	FEC	North	N	Sprinkler	SPR
Basement	BSMT	Fire Retardant Treated	FRT	Not in Contract	NIC	Square	SQ
Beam	BM	Fireproof	FPRF	Not to scale	NTS	Stainless steel	SS
Bearing	BRG	Fixture	FXTR	Not available	NA	Standard	STD
Bedroom	BR	Flange	FLG	Number	NO	Standpipe	SP
Benchmark	BM	Flashing	FL	Office	OFF	Steel	STL
Board	BD	Floor	FL	On center	OC	Storage	STOR
Boiler	BLR	Floor drain	FD	Opening	OPNG	Structural Glazed Facing	
Bottom	BOT	Flooring	FLG	Opposite	OPP	Tile	SGFT
Brick	BRK	Fluorescent	FLUOR	Outside diameter	OD	Structural, structure	STRUCT
Building line	BL	Footing	FTG	Overall	OA	Substitute	SUBST
Building	BLDG	Foundation	FDN	Overhead	OVHD	Surface	SURF
Built-up-roof	BUR	Furnish(ed), furniture	FURN	Page	P	Suspend(ed)	SUSP
Cabinet	CAB	Furring	FURR	Painted	PTD	Switch	SW
Carpet	CPT	Gage (gauge)	GA	Pair	PR	Symmetrical	SYM
Catalog	CAT	Galvanize(d)	GALV	Panel	PNL	System	SYS
Ceiling height	CH	Galvanized Iron	GALVI	Partition	PTN	Tackboard	TB
Ceiling	CLG	Glazed Wall Tile	GWT	Percent	PCT	Tackstrip	TS
Center	CTR	Grab Bar	GB	Perforate(d)	PERF	Telephone	TEL
Centerline	CL	Grade	GR	Permanent	PERM	Television	TV
Ceramic Tile	CT	Gravel	GVL	Perpendicular	PERP	Temporary	TEMP
Ceramic	CER	Gypsum Wallboard	GWB	Piece	PC	Terrazzo	TER
Chalkboard	CB	Gypsum	GYP	Plastic Laminate	PLAM	Thick	THK
Clear	CLR	Handicapped	HC	Plastic Laminate	PLAS.LAM	Through	THRU
Closet	CLO	Hardware	HDW	Plate	PL	Toilet	T
Coated	CTD	Heating ventilating and	HVAC	Plumbing	PLMB	Tongue and groove	T&G
Cold rolled	CR	air conditioning		Plywood	PYWD	Top and bottom	T&B
Column	COL	Height	HGT	Point	PT	Top chord	TC
Company	CO	High Point	HPT	Polyvinyl chloride	PVC	Top of Masonry Parapet	TMP
Composition	COMP	High Performance	HP	Precast	PRCST	Top of Bearing	TOFB
Concrete Masonry Unit	CMU	High Performance Coating	HPC	Prefabricated	PREFAB	Top of Steel	T.O.S.
Concrete	CONC	Hollow Metal	HM	Preliminary	PRELIM	Topping	TOPG
Construction joint	CJ	Horizontal	HORIZ	Preparation, prepare	PREP	Total	TOT
Construction	CONSTR	Include(d), inclusive	INCL	Program	PRGM	Transformer	XFMR
"Continue, Continuous"	CONT	Incorporated	INC	Projection Screen	PS	Transom	TR
Corridor	CORR	Information	INFO	Project	PROJ	Transparent	TRANS
Countersink	CSK	Inside diameter	ID	Property	PROP	Tread	TRD
Cubic	CU	Install(ed), installation	INSTL	Public Address	PA	Threshold	THRESH
Curve(d)	CRV	Insulation	INSUL	Quality control	QC	Typical	TYP
Dampproofing	DP	Interior	INT	Quality	QUAL	Underground	UG
Degree	DEG	Janitor	JAN	Quantity	QTY	Underwriters Laboratories	UL
Department(al)	DEPT	Joint	JT	Quarry Tile	QT	Unfinished	UNF
Detail	DET	Joist	J, JST	Radius	RAD	Unit Ventilator	UV
Diagonal	DIAG	Junction box	JB	Rain Leader	RL	Unless Otherwise Noted	UON
Diameter	DIA	Knock down	KD	Received	RCVD	Urinal	UR
Dimension	DIM	Laboratory	LAB	Receptacle	RCPT	US Gypsum Company	USG
Dishwasher	DW	Lavatory	LAV	Receptionist	RECPT	Vertical	VERT
Dispenser	DISP	Left Hand	LH	Recess(ed)	REC	Vestibule	VEST, V
Door	DR	Left	L	Refer, reference	REF	Vinyl Reducing Strip	VRS
Double	DBL	Length	LG	Refrigerate, refrigerator	REFR	Vinyl Composite Tile	VCT
Double-hung	DH	Level	LVL	Reinforce	REINF	Vinyl asbestos tile	VAT
Down	DN	Light	LT	Reinforced concrete	RC	Wardrobe	WARD
Downspout	DS	Machine	MACH	Remove	RMV	Water closet	WC
Drain	DR	Maintenance	MAINT	Repair	RPR	Waterproof	WP
Drawing	DWG	Manager	MGR	Required	REQD	Weight	WT
Each	EA	Manual	MNL	Revise, revision	REV	Welded	WLD
East	E	Manufacturing	MFG	Right hand	RH	Welded Wire Mesh	WWM
Electric Water Cooler	EWC	Markerboard	MB	Road	RD	With	W/
"Electric, electrical"	ELEC	Masonry opening	MO	Roof Drain	RD	Without	W/O
Elevation	EL	Masonry	MSNRY	Roof	RF	Women	W
Elevator	ELEV	Master bedroom	MBR	Roofing	RFG	Wood	WD
Engineer	ENGR	Material	MATL	Room	RM	Wrought Iron	WI

JACKSONVILLE SENIOR CENTER

3601 SWEET AIR ROAD, PHOENIX, MD



BID DOCUMENTS 05.15.2025

OWNER AND PROJECT MANAGEMENT:

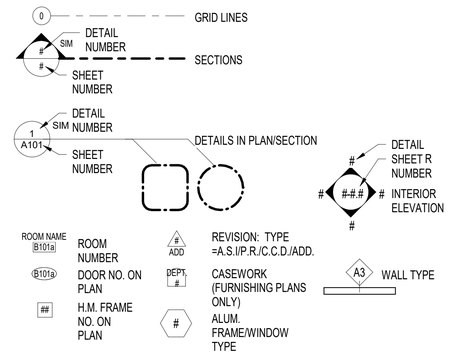
BALTIMORE COUNTY DEPARTMENT OF AGING	OWNER	611 CENTRAL AVENUE TOWSON, MD 21204
BALTIMORE COUNTY PROPERTY MANAGEMENT	MANAGEMENT	12200 LONG GREEN PIKE GLEN ARM, MD 21057

AE TEAM:

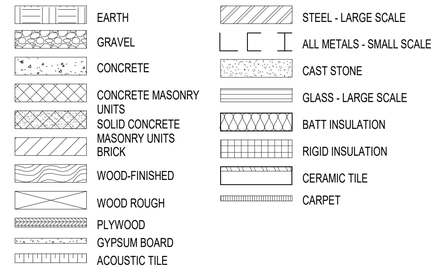
GRIMM + PARKER ARCHITECTS	ARCHITECT	11720 BELTSVILLE DRIVE CALVERTON, MD 20705
SITE RESOURCES, INC.	CIVIL AND LANDSCAPE	4 NORTH PARK DRIVE SUITE 100 COCKEYSVILLE, MD 21030
COLUMBIA ENGINEERING INC.	STRUCTURAL	6210 OLD DOBBIN LANE SUITE 150 COLUMBIA, MD 21045
NYIKOS GARCIA	FOOD SERVICE	7146 STARMOUNT WAY NEW MARKET, MD 21774
BKM	MEP	6300 BLAIR HILL LANE SUITE 400 BALTIMORE, MD 21209
GEOTECH ENGINEERS	GEOTECH	11890 OLD BALTIMORE PIKE SUITE U BELTSVILLE, MD 20705
FORELLA	COST ESTIMATOR	5180 PARKSTONE DRIVE SUITE 250 CHANTILLY, VA 20151
BARTON & LOGUIDICE	WATER, WASTEWATER	1912 LIBERTY ROAD SUITE 26 ELDERSBURG,MD 21784
JENSEN HUGHES	FIRE PROTECTION	3610 COMMERCE DRIVE SUITE 817 BALTIMORE, MD 21227

SEE SHEET TS002
FOR DRAWING LIST

DRAWING KEY



SYMBOLS OF MATERIALS



DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN RAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: GM Doran PROPERTY MANAGER
		PROFILE SCALE:		DATE: 5/29/2025

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
TITLE SHEET
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
TS001	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	1 OF 195
	DRAWING NUMBER
	2025 - 0219
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

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TS002 SHEET INDEX

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JACKSONVILLE SENIOR CENTER
ADD Alternates

5/12/2025

Division:	DESCRIPTION	ALTERNATES
26	Base building to be "PV Ready" this provides conduits. Add Alt will be the wiring, equipment and PV panels and their mounting on the metal roof.	**ALTERNATE #1**
07	Substitute TPO roof in lieu of Metal roof on the entry roof (1348 sf) an d Lounge roof (1,320 sf) Keep metal on the large MP roof to mount the PV panels easier. Total SF 2,668 x $8.73 =$23,291	**ALTERNATE #2**
09	Provide gypsum board on wall in Lounge in lieu of stone on wall. Keep fireplace unit , stone surround and hearth.	**ALTERNATE #3**
32	Move Sod to Add Alt - use Seed as Base bid	**ALTERNATE #4**
32	Move wayfinding site signge to Add Alt (these are the sign for Rec Center /Senior Center)	**ALTERNATE #5**
06	Remove the wall mounted handrail in the corridor and lobby area - keep chair rail in MP room	**ALTERNATE #6**
32	Move the Site Furnishing to an Add Alt (all benches, coffee table)	**ALTERNATE #7**
	Move 5 of the 6 Electrical Submeters to an Alternate	**ALTERNATE #8**
33	Move the removal of the existing building well eqpt to an Add Alt	**ALTERNATE #9**
32	Move the color from the concrete in the exterior patio and entry area walkway to Add Alt Savings $1.15 /SF	**ALTERNATE #10**
10	Furnish and Install Fitness Room Equipment. Relocate existing equipment from Existing Senior Cente to the new	**ALTERNATE #11**

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS–BUILT PER RECORD PRINT
DATE: 5/15/2025

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE
PERMIT REVISIONS # 1	1	3/19/25
CONTRACT COMPLETION BOX		

P.W.A NO.

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SHEET INDEX
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

DWG FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
TS002	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	2 OF 195
	DRAWING NUMBER
	2025 - 0220
	FILE NO.: 8

GENERAL NOTES (THESE NOTES PERTAIN TO ALL CIVIL AND LANDSCAPE ARCHITECTURE DRAWINGS)

1. EXISTING INFORMATION AND CONDITIONS NOT GUARANTEED; VERIFY AND TEST PIT EXISTING UTILITIES: THE CORRECTNESS AND COMPLETENESS OF THE INFORMATION SHOWING EXISTING CONDITIONS IS NOT GUARANTEED. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PERFORM THE FOLLOWING TASKS:

   (a) NOTIFY MISS UTILITY AT 1-800-257-7777, AND MAKE SURE THEY COMPLETE THE MARKING OF UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AT LEAST 48 HOURS PRIOR TO INSTALLING SEDIMENT CONTROL MEASURES. MAINTAIN ALL MARKINGS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID PRICE MARKING OF ON-SITE UTILITIES THAT MIGHT NOT BE MARKED BY MISS UTILITY; THE CONTRACTOR SHALL EITHER MARK THESE ON-SITE UTILITIES HIMSELF OR BY SUBCONTRACTING WITH A PRIVATE ON-SITE UTILITY LOCATION COMPANY.
   (b) VERIFY THE GENERAL ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THE SITE DRAWINGS BY VISUAL INSPECTION OF THE SURFACE OF THE SITE AND ALL EXISTING STRUCTURES, PAVING AND UTILITY APPURTENANCES VISIBLE THEREON;
   (c) WITH REGARD TO THE STRUCTURES & APPURTENANCES OBSERVED AS REQUIRED PER ITEM (B) ABOVE, DETERMINE THE TYPE, SIZE, LOCATION AND ELEVATION OF ALL THOSE EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO ALL STORM DRAINS, SANITARY LINES, WATER LINES, GAS LINES, STEAM LINES, ELECTRIC LINES, TELEPHONE LINES, AND COMMUNICATION DUCTS, AND ALL MANHOLES, INLETS, CLEAN-OUTS, VALVES, HANDHOLES, ETC. RELATED THERETO) WITHIN THE LIMITS OF CONSTRUCTION IN ORDER TO: (I) AVOID DAMAGING OR DISRUPTING SERVICE, AND (II) TO COORDINATE AND FACILITATE CONSTRUCTION OF PROPOSED UTILITIES AND OTHER IMPROVEMENTS. IN ADDITION TO THE CONTRACTOR'S VISUAL OBSERVATION AND THE UTILITY MARKING (AS REQUIRED ABOVE), THE CONTRACTOR SHALL SCHEDULE AND COMPLETE TEST PITTING OF ALL EXISTING UTILITIES (FOR THE PURPOSES SET FORTH ABOVE) AND SHALL DO SO IN A TIMELY MANNER IN ORDER TO ALLOW TIME FOR ANALYSIS AND REDESIGN BY SITE RESOURCES AND/OR OTHER CONSULTANTS, WITHOUT DELAYING THE PROJECT SCHEDULE.
   (d) IMMEDIATELY REPORT TO SITE RESOURCES, INC. THE RESULTS OF STEPS (A), (B) AND (C) WHICH MIGHT INDICATE ANY DISCREPANCY BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLAN, AND ANY POTENTIAL CONFLICTS BETWEEN PROPOSED IMPROVEMENTS AND EXISTING CONDITION.

   TEST PITTING DEFINED: FOR THE PURPOSES OF THIS CONTRACT, EXCAVATION OF UTILITY TRENCHES DOES NOT CONSTITUTE TEST PITTING. TEST PITTING IS A SEPARATE OPERATION COMPLETED AT LEAST SEVEN DAYS BEFORE UTILITY INSTALLATION IS SCHEDULED TO BEGIN. TEST PITTING MEANS EXCAVATION TO EXPOSE EXISTING UTILITIES IN TWO SITUATIONS: (I) WHERE PROPOSED IMPROVEMENTS CROSS EXISTING UTILITIES (PIPES, LINES, STRUCTURES, APPURTENANCES) AND; (II) WHERE PROPOSED UTILITIES ARE DESIGNED TO CONNECT TO EXISTING UTILITIES. TEST PITTING INCLUDES RECORDING THE TYPE, SIZE, LOCATION AND ELEVATION OF THE EXPOSED UTILITIES, AND FAXING AND MAILING THE RECORD TO SITE RESOURCES, INC. AND THE OWNER. THE RECORD MAY BE A LEGIBLE HAND-WRITTEN FIELD SKETCH.

2. EXISTING AND PROPOSED GAS LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION LINES AND OTHER UTILITIES: THESE DRAWINGS INCLUDE INFORMATION AND DEPICTIONS OF BALTIMORE GAS & ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE GENERAL PROJECT AREA. LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS ACTUALLY CONSTRUCTED, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION BY TEST PITTING AS DEFINED ABOVE. EXCAVATORS MUST EMPLOY SAFE DIGGING PRACTICES WHEN APPROACHING BGE ELECTRIC AND/OR GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS INCLUDING, BUT NOT LIMITED TO, THE LAW GOVERNING NOTIFICATION OF MISS UTILITY. NO REPRESENTATION, GUARANTEES, OR WARRANTIES EXPRESSED OR IMPLIED ARE MADE BY BGE OR SITE RESOURCES, INC. AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THESE DRAWINGS, THE RECIPIENT EXPRESSLY AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.

   EXISTING AND PROPOSED GAS LINES, STEAM LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION DUCTS AND OTHER SUCH UTILITIES ARE NOT PART OF THE SCOPE OF WORK SHOWN ON THESE SITE PLANS AND SITE RESOURCES, INC. HAS NO RESPONSIBILITY FOR DESIGN, SPECIFICATION OR INSTALLATION OF SAID UTILITIES. TO THE EXTENT THAT SOME OR ALL OF SUCH UTILITIES (WHETHER EXISTING OR PROPOSED) APPEAR ON THE SITE DRAWINGS, IT IS PRESENTED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR AND THE CORRECTNESS AND COMPLETENESS OF THE INFORMATION SHOWING THESE UTILITIES IS NOT GUARANTEED. CONTRACTOR SHALL REFER TO THE APPROPRIATE DISCIPLINE'S DRAWINGS FOR DESIGN AND INSTALLATION INFORMATION.

3. COORDINATION BETWEEN PROPOSED UTILITIES: THE CONTRACTOR SHALL ADJUST THE LOCATION AND ELEVATION OF PROPOSED GAS LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION LINES, AND WATER LINES AS NEEDED TO CONSTRUCT THE PROPOSED STORM DRAINS AND SANITARY SEWER WITH MINIMUM CLEARANCES. COORDINATE WITH THE MECHANICAL/ELECTRICAL DRAWINGS AND SPECIFICATIONS AND APPROPRIATE UTILITY COMPANY.

4. RELOCATION OF EXISTING UTILITIES: IN THE EVENT THAT THE LOCATION OR ELEVATION OF EXISTING MINOR UNDERGROUND ELECTRIC LINES AND PHONE LINES CONFLICT WITH PROPOSED STORM DRAINS, SANITARY SEWER LINES OR WATER LINES, THE CONTRACTOR SHALL, WITH THE PERMISSION OF THE OWNER AND WITHOUT AN EXTRA COST TO THE PROJECT, ADJUST THESE LINES TO PERMIT INSTALLATION OF THE NEW UTILITIES. IN THE EVENT THAT ANY OTHER UTILITY IS RELOCATED TO ACCOMMODATE A NEW UTILITY, SAID RELOCATION SHALL BE AN EXTRA COST TO THE PROJECT, SUBJECT TO THE TERMS AND CONDITIONS OF THE CONSTRUCTION CONTRACT.

5. UTILITIES TO REMAIN OPERATIONAL; ADJUSTMENT FOR FINAL GRADE: ALL EXISTING UTILITIES SHALL BE RETAINED UNLESS MARKED OTHERWISE. EXISTING UTILITIES NOT TO BE REMOVED ARE TO REMAIN OPERATIONAL AT ALL TIMES. EXISTING UTILITIES TO BE REPLACED OR RELOCATED SHALL REMAIN IN SERVICE UNTIL REPLACED OR RELOCATED UTILITIES ARE OPERATIONAL. ALL EXISTING UTILITY APPURTENANCES SHALL BE ADJUSTED FOR FINAL GRADE.

6. UTILITY TRENCHING, BACKFILL AND COMPACTION: ALL TRENCHING FOR SANITARY SEWER, STORM DRAINS AND WATER MAINS SHALL BE DONE IN ACCORDANCE WITH THE LATEST BALTIMORE COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS AMENDED TO DATE.

7. UTILITY CERTIFICATION: THE CONTRACTOR SHALL HAVE A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND CERTIFY, ON A FORM PROVIDED BY THE OWNER, THAT ALL PROPOSED STORM DRAINS, SANITARY SEWERS AND WATER LINES SHOWN HEREON WERE INSTALLED IN ACCORDANCE WITH THESE PLANS AND BALTIMORE COUNTY SPECIFICATIONS. IF SAID CERTIFICATION IS NOT POSSIBLE BECAUSE THE UTILITIES WERE NOT INSTALLED IN ACCORDANCE WITH THESE PLANS AND BALTIMORE COUNTY SPECIFICATIONS, THEN THE OWNER HAS THE OPTION OF WAIVING, IN WRITING, THIS CERTIFICATION, IN WHOLE OR PART. IF THE OWNER DOES NOT ELECT TO WAIVE THE CERTIFICATION, THE CONTRACTOR SHALL ADJUST AND, IF NECESSARY, RECONSTRUCT THE UTILITIES TO BRING THEM IN CONFORMANCE WITH THESE PLANS AND BALTIMORE COUNTY SPECIFICATIONS.

8. UTILITY CAPPING AND PROTECTION: ALL BUILDING CONNECTIONS SHALL BE CAPPED AT UPSTREAM END, 5 FEET FROM PROPOSED BUILDINGS, CAISSONS OR COLUMN FOOTINGS OR AS NOTED, AND SHALL BE PROTECTED BY PROVIDING THREE STAKES (THE HEIGHT BEING A MINIMUM OF 18 INCHES ABOVE PROPOSED GRADE) WITH HIGH VISIBILITY FLAGGING AROUND THE CAPPED END OF THE UTILITY.

9. PROPOSED WATER LINES: PROPOSED WATER LINES SHALL HAVE A MINIMUM OF 4'-0" COVER FROM FINISHED GRADE, 1'-0" CLEARANCE FROM STORM DRAINS AND 1'-0" CLEARANCE FROM SANITARY SEWERS, UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS. ALL WATER MAINS 3" OR LARGER SHALL BE CLASS 54 DIP MEETING AWWA C110/C153. ALL WATER LINES 2" AND SMALLER SHALL BE TYPE K COPPER TUBING MEETING THE MATERIAL, CHEMICAL, AND MECHANICAL REQUIREMENTS OF ASTM B-88.

10. PROPOSED STORM DRAINS: ALL STORM DRAINS 12 INCHES AND LARGER SHALL BE CLASS IV REINFORCED CONCRETE PIPE (RCCP) UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS.

11. PROPOSED SANITARY SEWERS: ALL PIPE AND FITTINGS FOR SANITARY HOUSE CONNECTION SHALL BE POLYVINYL CHLORIDE (PVC) MEETING MATERIAL REQUIREMENTS OF ASTM D3034, (SDR-35 OR SDR-26 AS APPROPRIATE FOR DEPTH OF BURY) UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS. JOINTS SHALL BE ELASTOMERIC GASKETED.

12. STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS: UNLESS OTHERWISE NOTED OR DETAILED ON THE DRAWINGS, ALL CONSTRUCTION SHALL FOLLOW THE LATEST BALTIMORE COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS AMENDED TO DATE.

13. SEDIMENT CONTROL: THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH SEDIMENT AND EROSION CONTROL MEASURES. ANY DISTURBANCE TO SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REPAIRED AT THE END OF EACH WORKING DAY. CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE PROJECT, REPAIR AND MAINTAIN EXISTING SEDIMENT CONTROL DEVICES UNTIL ALL AREAS WITHIN LIMITS OF CONSTRUCTION ARE STABILIZED. WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR, ALL SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND AREAS RESTORED AND STABILIZED. ALL SEDIMENT CONTROL MEASURES REFERRED TO ON THESE PLANS SHALL BE IN ACCORDANCE WITH THE PUBLICATION ENTITLED 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

14. DISTURBED AREAS: ALL AREAS DISTURBED BY THE CONTRACTOR DURING OR PRIOR TO CONSTRUCTION, NOT DESIGNATED TO RECEIVE PAVING, MULCH OR SOLID SOD SHALL BE FINE GRADED, SEEDED AND MULCHED IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND SPECIFICATIONS SHOWN ON THE SEDIMENT CONTROL DRAWINGS.

15. REPAIR AND REPLACEMENT OF DAMAGE CAUSED BY CONTRACTOR AND SUBCONTRACTORS: IN THE EVENT THAT THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS DAMAGE ANY EXISTING CURB, GUTTER, PAVING, UTILITIES, SIDEWALKS, TREES, SHRUBS, LAWNS, OR ANY OTHER EXISTING CONDITIONS (NOT INDICATED TO BE DEMOLISHED), OR ANY NEWLY INSTALLED PROPOSED IMPROVEMENT, THE GENERAL CONTRACTOR SHALL REPAIR AND REPLACE SAID DAMAGE TO OWNER'S SATISFACTION, AT GENERAL CONTRACTOR'S SOLE COST AND EXPENSE.

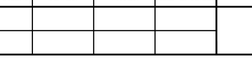
16. ELEVATION AND LABELING: ALL SPOT GRADE ELEVATIONS IN ROADWAYS AND PARKING LOTS ARE FOR BOTTOM OF CURB UNLESS OTHERWISE NOTED. ELEVATIONS ON HARD SURFACES (ROADS, WALKS, WALLS, STEPS, MANHOLES, INLETS, ETC.) ARE LABELED TO THE HUNDREDTH OF A FOOT (E.G. 245.45). ELEVATIONS ON PROPOSED LAWN AND PLANTING AREAS ARE LABELED TO THE TENTH OF A FOOT (E.G. 245.5).

17. DIMENSIONS: UNLESS OTHERWISE NOTED ON THE DRAWING, ALL DIMENSIONS SHOWN ON THE SITE DRAWINGS FOLLOW THESE CONVENTIONS:

   (a) DIMENSIONS TO A BUILDING OR RETAINING WALL ARE TO THE FACE OF THE WALL;
   (b) DIMENSIONS TO A CURB ARE TO THE FACE (NOT THE BACK) OF THE CURB;
   (c) DIMENSIONS TO A FENCE ARE TO THE CENTERLINE OF THE FENCE;
   (d) DIMENSIONS FOR SIDEWALKS ABUTTING A CURB ARE FROM THE FACE OF CURB TO THE BACK EDGE OF THE WALK;
   (e) DIMENSIONS FOR OTHER SIDEWALKS OR OPEN PAVING SECTIONS ARE MEASURED TO THE EDGE OF PAVING;
   (f) DIMENSIONS TO A MANHOLE, INLET, CLEANOUT, PIPE BEND, VALVE, FIRE HYDRANT OR OTHER UTILITY APPURTENANCE ARE TO THE CENTER OF THE STRUCTURE;
   (g) DIMENSIONS FOR STEPS ARE TO THE OUTER EDGE OF THE STAIRCASE AND THE NOSE OF THE TOP OR BOTTOM STEP;
   (h) LAYOUT OF SEDIMENT CONTROL MEASURES AND PLANT MATERIAL SHALL BE SCALED.

18. GRADING: IT IS THE INTENT OF THE GRADING DESIGN TO ACHIEVE POSITIVE DRAINAGE AND AESTHETICALLY PLEASING VERTICAL CURVES AND LINES. TRANSITIONS BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE SMOOTH AND JOINTS FLUSH. UNLESS OTHERWISE EXPRESSLY NOTED ON THE PLAN (BY ARROW WITH THE PERCENT SLOPE LABELED), ALL PROPOSED BITUMINOUS PAVING SHALL HAVE A SLOPE OF AT LEAST 2 PERCENT AND ALL CONCRETE SHALL HAVE A MINIMUM SLOPE OF 1.5 PERCENT IN THE DIRECTION INDICATED BY PROPOSED CONTOURS. UNPAVED AREAS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT AND A MAXIMUM SLOPE OF 2:1. FINAL GRADING SHALL ACHIEVE POSITIVE SURFACE DRAINAGE AWAY FROM BUILDINGS AND TOWARD DRAINAGE FACILITIES (SWALES, GUTTERS, INLETS, ETC.).

ROUND TOP AND BOTTOM OF SLOPES.



19. COMPACTION: ALL EARTH FILL MATERIAL UNDER SLABS, FOOTINGS AND PAVED AREAS SHALL BE PLACED IN 8" LOOSE LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698. ALL OTHER FILL SHALL BE COMPACTED TO 90%.

20. HEADINGS: THE HEADINGS CONTAINED IN THESE GENERAL NOTES ARE FOR THE CONVENIENCE OF THE READER ONLY AND SHALL NOT LIMIT THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLETING SUCH WORK.

21. ABBREVIATIONS:

PROP	PROPOSED*	DIP	DUCTILE IRON PIPE
EX	EXISTING	PVC	POLYVINYL CHLORIDE PIPE
ASPH	ASPHALT	HDPE	HIGH DENSITY POLYETHYLENE PIPE
CONC	CONCRETE	CMP	CORRUGATED METAL PIPE
M OR MH	MANHOLE	RCCP	REINFORCED CONCRETE PIPE
SD	STORM DRAIN	RCP	REINFORCED CONCRETE PIPE
I	INLET	C&G	CONCRETE CURB & GUTTER
SAN	SANITARY SEWER	INV	INVERT ELEVATION
FF	FINISHED FLOOR ELEVATION	FDC	FIRE DEPARTMENT CONNECTION
BF	BASEMENT FLOOR ELEVATION	FH	FIRE HYDRANT
TC	TOP OF CURB	BC	BOTTOM OF CURB
TS	TOP OF STEP	BS	BOTTOM OF STEP
TW	TOP OF WALL	BW	BOTTOM OF WALL
PC	POINT OF CURVATURE	PS	PARKING SPACE
PT	POINT OF TANGENCY	HC	HANDICAPPED PARKING SPACE
PI	POINT OF INTERSECTION	TYP	TYPICAL
AGIP	AT-GRADE INLET PROTECTION	CIP	CURB INLET PROTECTION
COIP	COMBINATION INLET PROTECTION	ED	EARTH DIKE
FB	FILTER BAG	IB	INLET BLOCKING
RPS	REMOVABLE PUMPING STATION	SCE	STABILIZED CONSTRUCTION ENTRANCE
SFD	SUPER FENCE DIVERSION	SIP	STANDARD INLET PROTECTION
SP	SUMP PIT	SSF	SUPER SILT FENCE
TS	TEMPORARY SWALE	TSOS	TEMPORARY STONE OUTLET STRUCTURE

*PROPOSED MEANS WORK INCLUDED IN THE BASE CONTRACT UNLESS ACCOMPANIED BY THE PHRASES "N.I.C." OR "BY OTHERS."

22. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES): IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL THE PROVISIONS AND REQUIREMENTS OF THE NPDES PERMIT. THE PERMIT HAS BEEN APPLIED FOR BY THE OWNER, BUT NO LAND DISTURBANCE IS PERMITTED UNTIL THE NPDES PERMIT HAS BEEN ISSUED.

23. ALL SIDEWALKS, PATHS AND OTHER PAVED AREAS SHALL BE FINISH GRADED WITH A MAXIMUM LONGITUDINAL SLOPE OF 5% (1:20) AND A MAXIMUM CROSS SLOPE OF 2% (1:50) UNLESS OTHERWISE NOTED.

24. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SITE ELEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH THE ADA 2010 STANDARDS FOR ACCESSIBLE DESIGN OR MOST CURRENT.

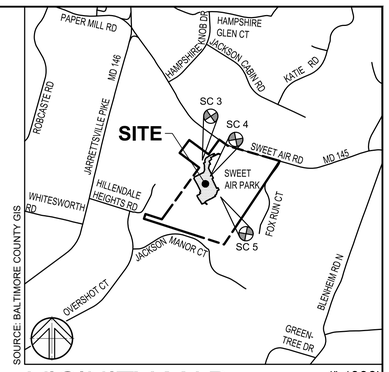
25. TO THE EXTENT THAT QUANTITIES MAY BE LISTED ON THESE PLANS, THEY ARE FOR PERMITTING PURPOSES ONLY AND NOT FOR BIDDING PURPOSES. CONTRACTOR SHALL FORM HIS OWN CONCLUSIONS ABOUT THE QUANTITIES OF ALL MATERIALS AND OPERATIONS NECESSARY TO COMPLETE THE PROJECT.

26. SWM AS-BUILT NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITIES AND TO PREPARE, SUBMIT AND PROCESS AS-BUILT DRAWINGS WITH THE AUTHORITIES HAVING JURISDICTION AS NECESSARY TO CLOSE OUT ALL PERMITS.

SURVEY NOTES

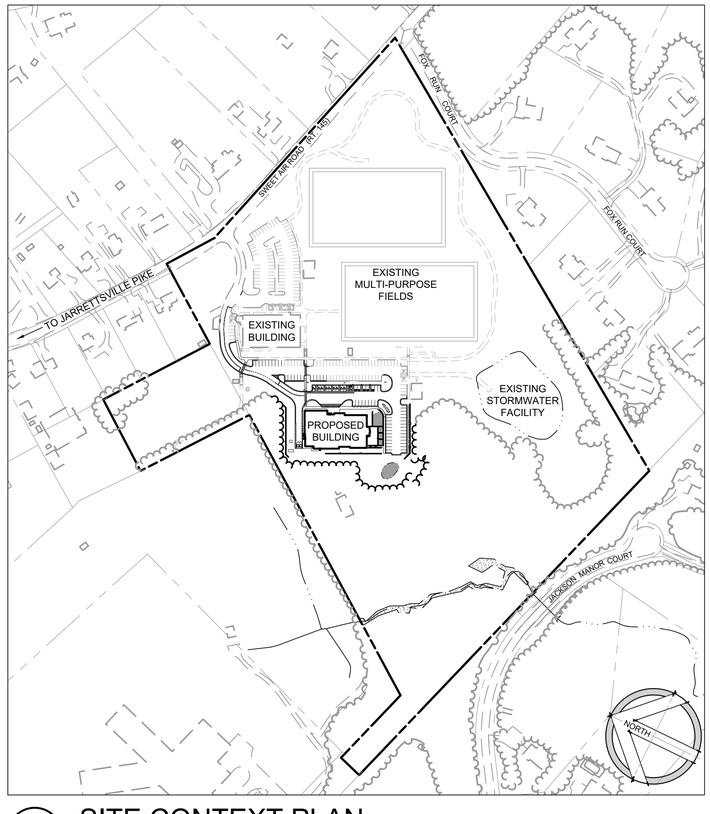
INFORMATION REFLECTED ON THIS PLAN WAS TAKEN FROM THE FOLLOWING SOURCES:
- FIELD RUN SURVEY PERFORMED BY DIETZ SURVEYING INC. PLAN ENTITLED "JACKSONVILLE RECREATION CENTER", DATED 12/20/2023.
- RECORD INFORMATION TAKEN FROM PLANS FROM THE PROJECT KNOWN AS "JACKSONVILLE PARK", DATED 05/01/2009.

ALL HORIZONTAL SURVEY DATA CONTAINED HEREIN ARE REFERENCED TO THE MARYLAND COORDINATE SYSTEM, NAD 83-2011. ALL VERTICAL SURVEY DATA CONTAINED HEREIN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).



VICINITY MAP 1"=1000'

Jacksonville
Senior Center
Baltimore County Department of Aging

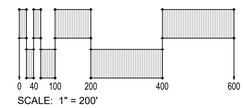


SITE CONTEXT PLAN 1"=200'

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

SHEET LIST

SHEET NUMBER	SHEET DESIGNATION	SHEET TITLE
3	C001	GENERAL NOTES AND COVER SHEET
4	C111	EXISTING CONDITIONS & DEMOLITION PLAN
5	C121	SITE GEOMETRY PLAN
6	C122	SITE GEOMETRY POINT TABLES
7	C131	DETAIL REFERENCE PLAN
8	C141	PAVEMENT MARKING & SIGNAGE PLAN
9	C151	UTILITY PLAN
10	C161	FINAL GRADING PLAN
11	C162	GRADING PLAN ENLARGEMENTS
12	C201	SITE DETAILS I
13	C202	SITE DETAILS II
14	C203	SITE DETAILS III
15	C204	SITE DETAILS IV
16	C205	SITE DETAILS V
17	C211	SIGNAGE DETAILS
18	C301	STORMDRAIN PROFILES
19	C302	UTILITY PROFILES
20	C401	EXISTING CONDITIONS ESC PLAN
21	C411	PROPOSED CONDITIONS ESC PLAN
22	C421	EROSION & SEDIMENT CONTROL NOTES I
23	C422	EROSION AND SEDIMENT CONTROL NOTES II
24	C423	EROSION AND SEDIMENT CONTROL DETAILS I
25	C424	EROSION & SEDIMENT CONTROL DETAILS II
26	C501	RESOURCE MAPPING PLAN
27	C502	PROP. DRAINAGE AREA MAP
28	C511	ESD DRAINAGE AREA MAP
29	C521	STORMWATER MANAGEMENT DETAILS
30	C522	SWM BORINGS
31	C531	SWM PLANS & SECTIONS I
32	C532	SWM PLANS & SECTIONS II
33	C541	SWM PLANTING PLAN
34	L101	PLANTING PLAN
35	L111	SOIL PREPARATION PLAN
36	L201	PLANTING DETAILS
37	L301	FOREST CONSERVATION PLAN



SCALE: 1" = 200'

SEAL

STATE OF MARYLAND REBEKAH S. WOLF 4238 LANDSCAPE ARCHITECT

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 4238, EXPIRATION DATE 02/03/2026

LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES Creative Design. Sustainably Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION

REVIEWED BY:

DATE REVIEWED:

BY	DATE	P.W.A. NO.
		R.O.W NO.

KEY SHEET	POSITION SHT
UNE	78NE11
	78NE12
	79NE11
	79NE12

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DRAWING SCALE

PLAN SCALE: AS SHOWN

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
GENERAL NOTES AND COVER SHEET
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C001	25010 P00

JOB ORDER NUMBER
10-701-1861

SHEET 3 OF195

DRAWING NUMBER
2025-0221

FILE NO.: 8

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER 04 - DWG\C001 GENERAL NOTES.DWG 5/13/2025 11:00 AM rsw

BID DOCUMENTS 5/15/2025

GENERAL SHEET NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING STORMWATER MANAGEMENT FACILITY SHOULD IT BECOME DAMAGED OR CONTAMINATED DURING CONSTRUCTION. LOCATION OF EXISTING STORMWATER FACILITY IS SHOWN ON C001. AT THE COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIRE A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND TO EVALUATE THE EXISTING STORMWATER FACILITY AND ENSURE THE FACILITY IS FUNCTIONING PROPERLY AFTER CONSTRUCTION.
2. ALL EXISTING SITE FEATURES AND UTILITIES TO REMAIN SHALL BE PROTECTED.
3. FOR AREAS NOTED AS PAVING TO BE MILLED, AREA SHALL BE RE-STRIPED AT THE END OF CONSTRUCTION TO MATCH EXISTING CONDITIONS.

LEGEND

- PROPERTY LINE
- EXISTING TREELINE TO REMAIN
- EXISTING TREELINE TO BE REMOVED
- EXISTING BUILDING TO REMAIN
- EXISTING BUILDING REMAINS TO BE REMOVED
- EXISTING WALK TO REMAIN
- EXISTING WALK TO BE REMOVED
- EXISTING ROAD TO REMAIN
- EXISTING CURB TO REMAIN
- EXISTING CURB TO BE REMOVED
- EXISTING PAVING TO BE REMOVED
- EXISTING PAVING TO BE MILLED
- EXISTING FENCE TO REMAIN
- EXISTING SIGN TO REMAIN
- EXISTING TREES TO REMAIN
- EXISTING TREES TO BE REMOVED
- EX. 15" SD D — EXISTING STORM DRAIN TO REMAIN
- EX. 15" SD D — EXISTING STORM DRAIN TO BE REMOVED
- EX. 6" W W — EXISTING WATER TO REMAIN
- EX. 8" SAN S — EXISTING SANITARY SEWER TO REMAIN
- EXISTING LIGHTING TO REMAIN / EXISTING LIGHTING TO BE REMOVED
- 350 / 348 — EXISTING CONTOURS
- SURVEY EXTENTS

DEMOLITION NOTES

- **D-1** REMOVE EXISTING ASPHALT PAVEMENT AND BASE MATERIAL. WHERE ASPHALT PAVEMENT TO BE REMOVED ABUTS EXISTING PAVEMENT TO REMAIN, CLEANLY SAW CUT AT LIMITS SHOWN.
- **D-2** REMOVE EXISTING CURB & GUTTER. SAW CUT AT NEAREST JOINT TO LIMITS SHOWN.
- **D-3** REMOVE, CLEAR, AND GRUB TREE(S), STUMPS(S), SHRUB(S), MAJOR ROOTS, AND LANDSCAPE MATERIAL WITHIN LIMIT OF DISTURBANCE. REPLACE WITH APPROVED COMPACTED FILL.
- **D-4** REMOVE EXISTING STORM DRAIN STRUCTURE AND/OR STORM DRAIN PIPE TO LIMITS SHOWN.
- **D-5** REPLACE EXISTING INLET WITH MANHOLE DURING A 3-DAY DRY PERIOD. EXISTING CONNECTING PIPES SHALL MAINTAIN SAME INVERTS. REFER TO C151 AND C302 FOR PROPOSED MANHOLE INFORMATION.
- **D-6** REMOVE EXISTING BUILDING FOUNDATION REMAINS AND ANY ASSOCIATED FOOTING AND BASE MATERIAL IN ITS ENTIRETY. REPLACE WITH APPROVED COMPACTED FILL.
- **D-7** SALVAGE EXISTING LIGHT POLES AND ASSOCIATED HANDBOX. DEMOLISH ASSOCIATED LIGHT POLE FOOTING. LIGHT POLE SHALL BE REINSTALLED WITH NEW CONCRETE FOOTING. REFER TO ELECTRIC PLANS FOR REROUTING AND RECONNECTING ALL CONDUIT AS NECESSARY TO PROVIDE POWER TO ALL EXISTING SITE LIGHTING.
- **D-8** REMOVE GATE AND ASSOCIATED POSTS & FOOTINGS.
- **D-9** SAW CUT AT NEAREST JOINT BEYOND THE LIMITS SHOWN. REMOVE EXISTING CONCRETE PAVEMENT AND ASSOCIATED BASE MATERIALS.
- **D-10** CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN.

SCALE: 1" = 30'

DWG. FILENAME: © SITE RESOURCES, INC. Z:\23\23113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C111 DEMOLITION PLAN.DWG 5/13/2025 11:01 AM RSW

SEAL — STATE OF MARYLAND · REBEKAH S WOLF · 4238 · LANDSCAPE ARCHITECT · 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 4238, EXPIRATION DATE 02/03/2026
LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES — Creative Design. Successfully Engineered. — 4 North Park Drive, Suite 150, Cockeysville, MD 21030 — 410.683.3368 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

KEY SHEET	POSITION SHT
UNE	78NE11
	78NE12
	79NE11
	79NE12

DRAWING SCALE — PLAN SCALE: AS SHOWN — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
EXISTING CONDITIONS & DEMOLITION PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

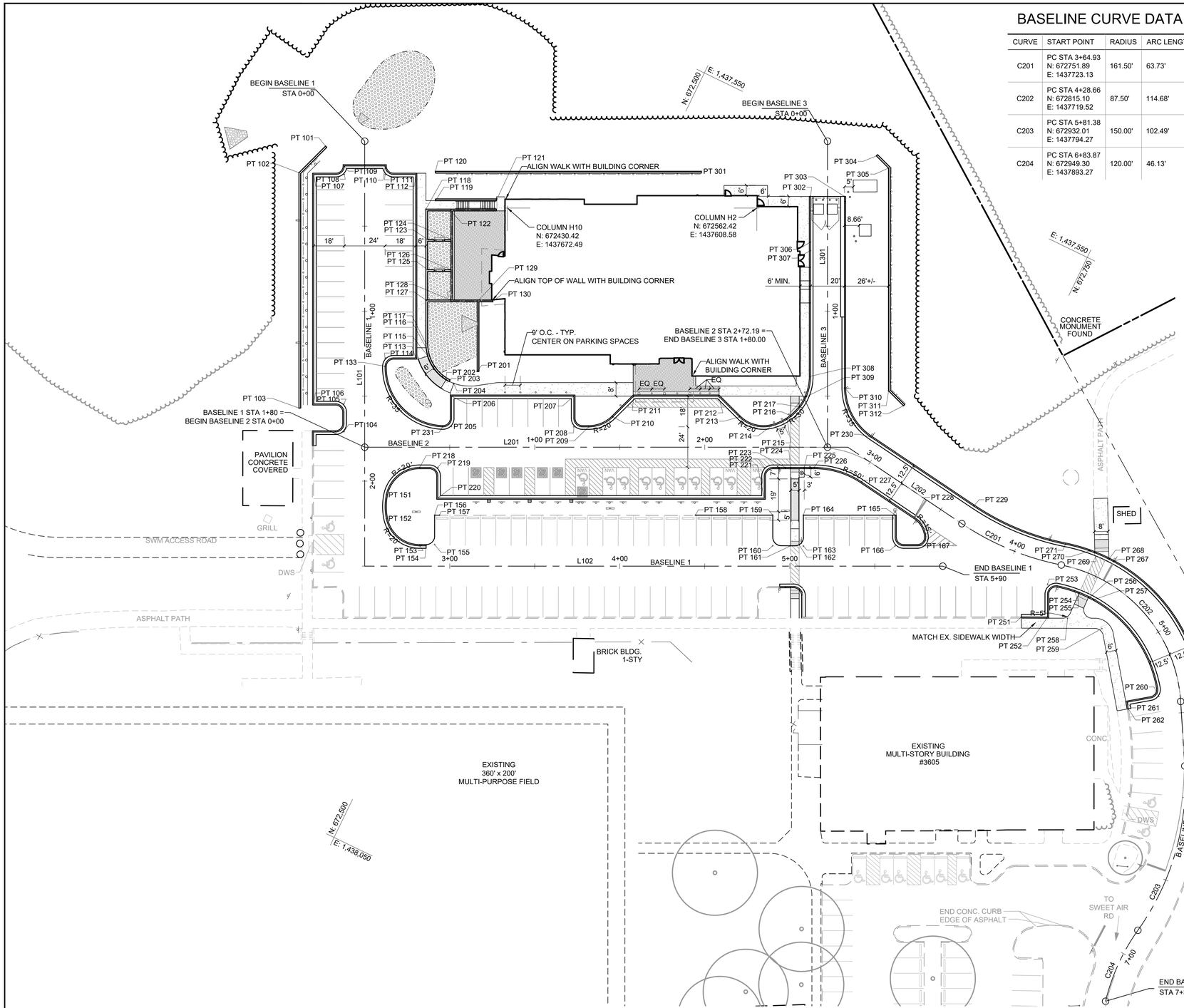
SUBDIVISION: JACKSONVILLE — ELECTION DIST. NO.: 10C3

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

SHEET DESIGNATION	CONTRACT NUMBER
C111	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 4 OF195	
DRAWING NUMBER	
2025-0222	
FILE NO.: 8	

BALTIMORE COUNTY OFFICE OF PERMITS, APPROVALS & INSPECTIONS

BID DOCUMENTS 5/15/2025

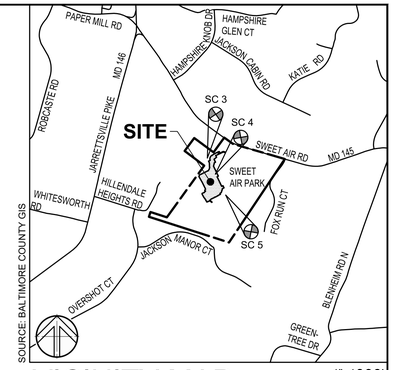


BASELINE CURVE DATA

CURVE	START POINT	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	END POINT
C201	PC STA 3+64.93 N: 672751.89 E: 1437723.13	161.50'	63.73'	63.31'	N3° 16' 03"W	22°36'31"	PT STA 4+28.66 N: 672815.10 E: 1437719.52
C202	PC STA 4+28.66 N: 672815.10 E: 1437719.52	87.50'	114.68'	106.65'	N22° 58' 29"E	75°05'35"	PT STA 5+43.33 N: 672913.29 E: 1437761.14
C203	PC STA 5+81.38 N: 672932.01 E: 1437794.27	150.00'	102.49'	100.51'	N80° 05' 41"E	39°08'50"	PT STA 6+83.87 N: 672949.30 E: 1437893.27
C204	PC STA 6+83.87 N: 672949.30 E: 1437893.27	120.00'	46.13'	45.84'	N88° 39' 22"E	22°01'29"	PT STA 7+30.00 N: 672950.38 E: 1437939.11

BASELINE LINE DATA

LINE	START POINT	BEARING	DISTANCE	END POINT
L101	STA. 0+00.00 N: 672337.71 E: 1437673.66	N64°09'49"E	250.00'	STA. 2+50.00 N: 672446.67 E: 1437898.67
L102	STA. 2+50.00 N: 672446.67 E: 1437898.67	N25°50'11"W	340.00'	STA. 5+90.00 N: 672752.68 E: 1437750.50
L201	STA. 0+00.00 N: 672416.16 E: 1437835.67	N25°50'11"W	284.15'	STA. 2+84.15 N: 672671.91 E: 1437711.83
L202	STA. 2+84.15 N: 672671.91 E: 1437711.83	N8°02'13"E	80.78'	STA. 3+64.93 N: 672751.89 E: 1437723.13
L203	STA. 5+43.33 N: 672913.29 E: 1437761.14	N60°31'16"E	38.05'	STA. 5+81.38 N: 672932.01 E: 1437794.27
L301	STA. 0+00.00 N: 672582.69 E: 1437555.04	N64°09'49"E	180.00'	STA. 1+80.00 N: 672661.14 E: 1437717.05



VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROPOSED CROSSWALK
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE WITH INTEGRAL COLOR
- PROPOSED SWM

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, FACE OF CURB RADII SHALL BE 5'.
2. UNLESS OTHERWISE NOTED, SIDEWALK RADII SHALL BE 5'.
3. ALL NEW ACCESSIBLE PARKING SPACES SHALL BE 8'W X 18'L
4. ALL NEW ACCESSIBLE PARKING ACCESS AISLES SHALL BE 8'W X 18'L WHEN ADJACENT TO A VAN ACCESSIBLE PARKING SPACE, AND 5'W OTHERWISE.
5. ALL REMAINING PARKING SPACES SHALL BE 9'W X 18'L.
6. REFER TO SHEET C141 FOR ADDITIONAL STRIPING LAYOUT INFORMATION.

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C121 GEOMETRY PLAN.DWG 5/13/2025 11:02 AM jrsw

SEAL

STATE OF MARYLAND · REBEKAH S. WOLF · 4236 · LANDSCAPE ARCHITECT

05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 4238, EXPIRATION DATE 02/03/2026

LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES
Creative Design. Sustainably Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
		78NE12
R.O.W NO.		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SITE GEOMETRY PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
C121	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 5 OF195	
DRAWING NUMBER	
2025-0223	
FILE NO.: 8	REV. 05/15/25

BID DOCUMENTS 5/15/2025

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 101	BASELINE 1	0+02.95	RT 23.06'
PT 102	BASELINE 1	0+18.56	RT 38.67'
PT 103	BASELINE 1	1+56.99	RT 38.67'
PT 104	BASELINE 1	1+71.02	RT 12.24'
PT 105	BASELINE 1	1+54.53	RT 12.24'
PT 106	BASELINE 1	1+54.53	RT 30.00'
PT 107	BASELINE 1	0+19.54	RT 30.00'
PT 108	BASELINE 1	0+19.54	RT 12.00'
PT 109	BASELINE 1	0+14.54	RT 12.00'
PT 110	BASELINE 1	0+14.54	LT 12.00'
PT 111	BASELINE 1	0+19.54	LT 12.00'
PT 112	BASELINE 1	0+19.54	LT 30.00'
PT 113	BASELINE 1	1+27.54	LT 30.00'
PT 114	BASELINE 1	1+27.54	LT 12.00'
PT 115	BASELINE 1	1+26.42	LT 37.13'
PT 116	BASELINE 1	1+21.50	LT 36.13'
PT 117	BASELINE 1	1+19.00	LT 36.00'
PT 118	BASELINE 1	0+40.00	LT 36.00'
PT 119	BASELINE 1	0+35.00	LT 41.65'
PT 120	BASELINE 1	0+17.77	LT 41.65'

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 121	BASELINE 1	0+34.00	LT 77.77'
PT 122	BASELINE 1	0+41.00	LT 50.77'
PT 123	BASELINE 1	0+57.82	LT 37.00'
PT 124	BASELINE 1	0+57.82	LT 50.77'
PT 125	BASELINE 1	0+75.64	LT 37.00'
PT 126	BASELINE 1	0+75.64	LT 50.77'
PT 127	BASELINE 1	0+93.46	LT 36.00'
PT 128	BASELINE 1	0+93.46	LT 50.77'
PT 129	BASELINE 1	0+94.46	LT 66.17'
PT 130	BASELINE 1	0+94.46	LT 75.17'
PT 133	BASELINE 1	1+32.46	LT 12.00'
PT 151	BASELINE 1	2+08.00	LT 12.71'
PT 152	BASELINE 1	2+22.00	LT 12.71'
PT 153	BASELINE 1	2+82.31	LT 12.00'
PT 154	BASELINE 1	2+86.12	LT 12.00'
PT 155	BASELINE 1	2+91.10	LT 12.67'
PT 156	BASELINE 1	2+91.15	LT 30.00'
PT 157	BASELINE 1	2+94.01	LT 29.98'
PT 158	BASELINE 1	4+44.51	LT 30.00'
PT 159	BASELINE 1	4+90.01	LT 30.00'

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 160	BASELINE 1	4+90.01	LT 12.04'
PT 161	BASELINE 1	5+00.52	LT 11.96'
PT 162	BASELINE 1	5+05.52	LT 12.62'
PT 163	BASELINE 1	5+08.01	LT 11.91'
PT 164	BASELINE 1	5+08.01	LT 30.00'
PT 165	BASELINE 1	5+62.01	LT 30.00'
PT 166	BASELINE 1	5+62.01	LT 12.00'
PT 167	BASELINE 1	5+79.42	LT 12.00'
PT 201	BASELINE 2	0+66.17	LT 44.58'
PT 202	BASELINE 2	0+47.88	LT 39.72'
PT 203	BASELINE 2	0+49.71	LT 38.70'
PT 204	BASELINE 2	0+52.40	LT 37.52'
PT 205	BASELINE 2	0+51.01	LT 12.23'
PT 206	BASELINE 2	0+51.01	LT 30.00'
PT 207	BASELINE 2	1+23.01	LT 30.00'
PT 208	BASELINE 2	1+23.01	LT 12.00'
PT 209	BASELINE 2	1+31.81	LT 12.00'
PT 210	BASELINE 2	1+45.91	LT 17.82'
PT 211	BASELINE 2	1+58.16	LT 30.00'
PT 212	BASELINE 2	2+08.16	LT 30.00'

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 213	BASELINE 2	2+20.41	LT 17.82'
PT 214	BASELINE 2	2+39.16	LT 12.55'
PT 215	BASELINE 2	2+48.45	LT 16.52'
PT 216	BASELINE 2	2+50.94	LT 18.31'
PT 217	BASELINE 2	2+56.06	LT 23.55'
PT 218	BASELINE 2	0+32.31	RT 12.00'
PT 219	BASELINE 2	0+43.01	RT 12.00'
PT 220	BASELINE 2	0+43.01	RT 30.00'
PT 221	BASELINE 2	2+35.01	RT 30.00'
PT 222	BASELINE 2	2+35.01	RT 12.00'
PT 223	BASELINE 2	2+47.52	RT 12.00'
PT 224	BASELINE 2	2+50.52	RT 12.00'
PT 225	BASELINE 2	2+58.52	RT 12.00'
PT 226	BASELINE 2	2+64.37	RT 12.00'
PT 227	BASELINE 2	3+02.29	RT 12.50'
PT 228	BASELINE 2	3+39.77	RT 12.50'
PT 229	BASELINE 2	3+64.93	LT 12.50'
PT 230	BASELINE 2	2+92.05	LT 12.50'
PT 231	BASELINE 2	0+45.84	LT 12.02'
PT 251	BASELINE 2	4+14.63	RT 35.28'

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 252	BASELINE 2	4+27.03	RT 31.59'
PT 253	BASELINE 2	4+23.38	RT 12.81'
PT 254	BASELINE 2	4+40.86	RT 12.50'
PT 255	BASELINE 2	4+44.39	RT 12.50'
PT 256	BASELINE 2	4+52.44	RT 12.50'
PT 257	BASELINE 2	4+55.97	RT 12.50'
PT 258	BASELINE 2	4+43.34	RT 29.15'
PT 259	BASELINE 2	4+72.92	RT 24.00'
PT 260	BASELINE 2	5+38.89	RT 12.50'
PT 261	BASELINE 2	5+40.90	RT 31.47'
PT 262	BASELINE 2	5+45.75	RT 31.01'
PT 263	BASELINE 2	6+07.51	LT 10.77'
PT 264	BASELINE 2	5+96.41	LT 11.20'
PT 265	BASELINE 2	5+78.32	LT 12.50'
PT 266	BASELINE 2	5+43.33	LT 12.50'
PT 267	BASELINE 2	4+55.07	LT 12.50'
PT 268	BASELINE 2	4+52.44	LT 12.50'
PT 269	BASELINE 2	4+44.23	LT 12.50'
PT 270	BASELINE 2	4+41.61	LT 12.50'
PT 271	BASELINE 2	4+28.66	LT 12.50'

SITE GEOMETRY POINT TABLE

POINT NAME	REFERENCE BASELINE	STATION	OFFSET
PT 301	BASELINE 3	0+17.77	RT 74.23'
PT 302	BASELINE 3	0+32.54	RT 10.00'
PT 303	BASELINE 3	0+32.54	LT 10.00'
PT 304	BASELINE 3	0+08.67	LT 28.77'
PT 305	BASELINE 3	0+15.81	LT 35.91'
PT 306	BASELINE 3	0+59.37	RT 10.00'
PT 307	BASELINE 3	0+64.37	RT 10.00'
PT 308	BASELINE 3	1+38.27	RT 10.00'
PT 309	BASELINE 3	1+50.36	RT 12.54'
PT 310	BASELINE 3	1+44.97	LT 10.00'
PT 311	BASELINE 3	1+46.87	LT 35.91'
PT 312	BASELINE 3	1+55.64	LT 44.68'

DWG. FILENAME: © SITE RESOURCES, INC. Z:\23\23113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C121 GEOMETRY PLAN.DWG 5/13/2025 11:02 AM rsw

SEAL

STATE OF MARYLAND · REBEKAH S. WOLF · 4238 · LANDSCAPE ARCHITECT

05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 4238 EXPIRATION DATE 02/03/2026

LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES
Creative Design. Sustainably Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
		78NE12
R.O.W NO.		79NE11
		79NE12

DRAWING SCALE

PLAN SCALE: AS SHOWN

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

SITE GEOMETRY POINT TABLES

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C122	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 6 OF195
	DRAWING NUMBER
	2025-0224
	FILE NO.: 8 REV. 00/00

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

CONSTRUCTION NOTES

C-1 MEET EXISTING PAVEMENT SMOOTHLY FOR LINE AND GRADE.

C-2 PROPOSED 22"W X 22"L X 24"D EVERCAST PRECAST CONCRETE EV BLOCK OR APPROVED EQUAL, INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO ELECTRICAL DRAWINGS FOR ELECTRIC VEHICLE CHARGING STATIONS.

C-3 PROPOSED TRANSFORMER AND GENERATOR PAD - SEE ELECTRICAL DRAWINGS.

C-4 REFER TO STRUCTURAL PLANS FOR CAST IN PLACE CONCRETE RETAINING WALLS.

C-5 NOT USED.

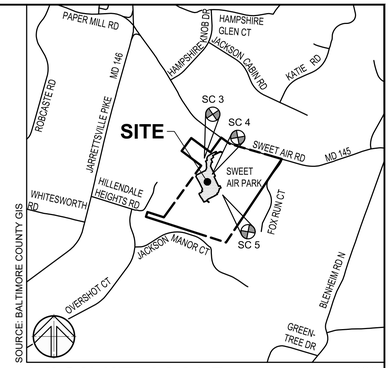
C-6 NOT USED.

C-7 PROPOSED ADA DETECTABLE WARNING PANELS WHERE PEDESTRIAN ROUTES MEET VEHICULAR TRAFFIC. PAVERS SHALL BE INSTALLED A MINIMUM OF 24" DEEP ACROSS THE ENTIRE WIDTH OF THE PEDESTRIAN ROUTE.
BASIS OF DESIGN: ADA SOLUTIONS CAST IN PLACE REPLACEABLE TACTILE PANELS OR APPROVED EQUAL.
COLOR: SUBMIT SAMPLES TO ARCHITECT AND LANDSCAPE ARCHITECT

C-8 PROPOSED EDUCATION SIGNAGE AND POST. SEE ARCHITECTURAL DETAILS.

C-9 PROPOSED BUILDING CANOPY COLUMN - SEE ARCHITECTURAL AND STRUCTURAL PLANS.

C-10 TAPER CURB FROM FULL HEIGHT TO FLUSH OVER 3 LF.



VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- 3 C201 — PROPOSED CONCRETE WALK
- 7 C201 — PROPOSED CONCRETE WITH INTEGRAL COLOR
- 9 C201 — PROPOSED ASPHALT PAVING
- 4 C201 — PROPOSED HEAVY DUTY CONCRETE
- 8 C201 — PROPOSED BITUMINOUS MILL & OVERLAY
- PROPOSED SWM
- 1 C201 — PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED SIGN
- PROPOSED WOODSLINE
- # SHT — DETAIL REFERENCE
- STONE INFLOW / OUTLET PROTECTION

NORTH

0 10 20 30 50 100

SCALE: 1" = 30'

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25213-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C131 DETAIL REF PLAN.DWG 5/13/2025 11:02 AM RSW

SEAL

STATE OF MARYLAND · REBEKAH S. WOLF · 4238 · LANDSCAPE ARCHITECT

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION			
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 4238	EXPIRATION DATE 02/03/2026	CONTRACT COMPLETION BOX	
LANDSCAPE ARCHITECT: REBEKAH WOLF	DGN BY: EFA	BUREAU OF ENGINEERING AND CONSTRUCTION	
SITERESOURCES Creative Design. Sustainably Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com	DWN BY: EFA	REVIEWED BY:	
	CHKD BY: RSW/KPR	DATE REVIEWED:	

AS-BUILT / REVISION	BY	DATE

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

DETAIL REFERENCE PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

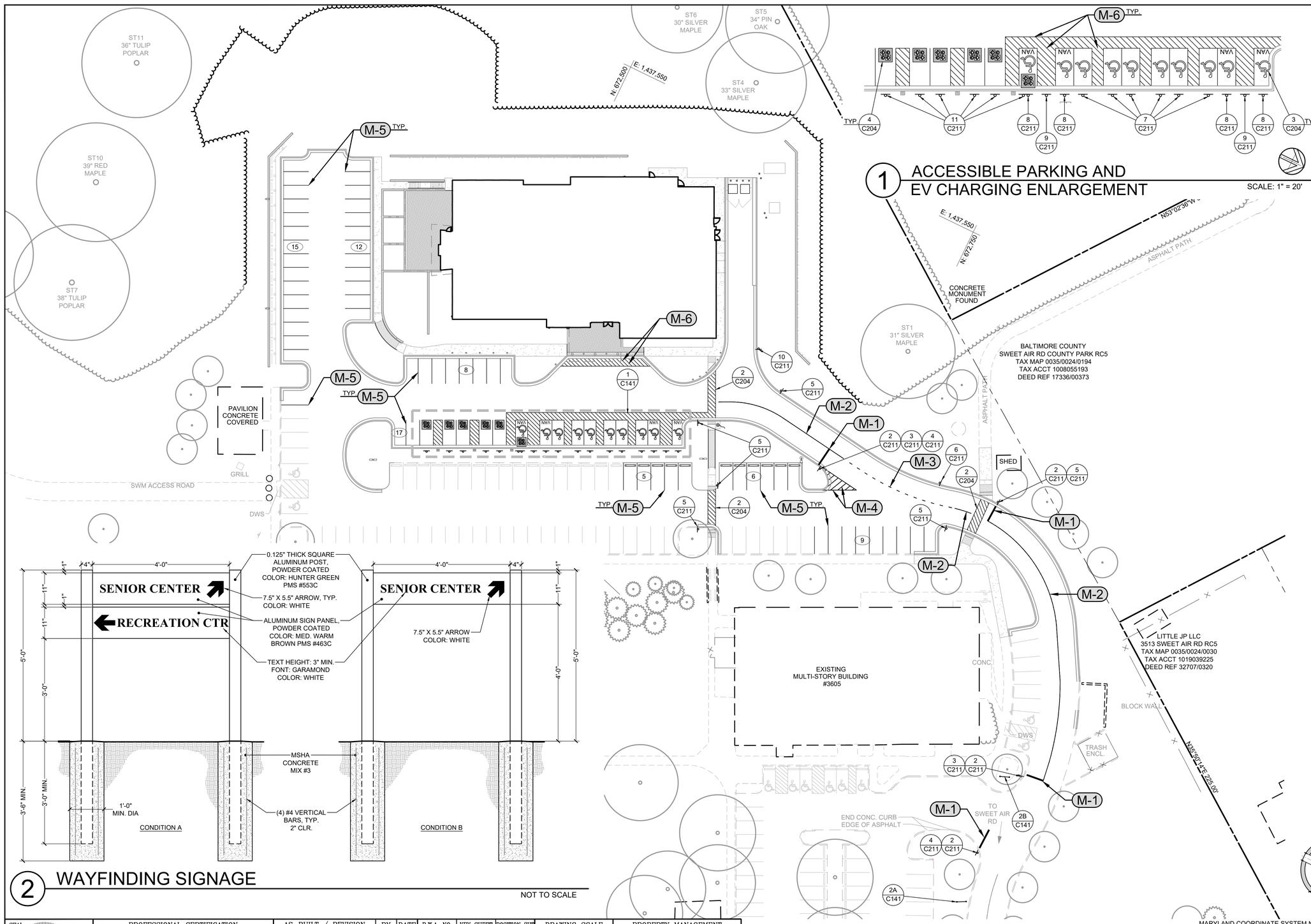
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C131	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 7 OF195
	DRAWING NUMBER
	2025-0225
	FILE NO.: 8 REV. 00/00

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



1 ACCESSIBLE PARKING AND EV CHARGING ENLARGEMENT

SCALE: 1" = 20'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE WITH INTEGRAL COLOR
- PROPOSED SWM
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED SIGN
- PROPOSED WOODSLINE
- DETAIL REFERENCE (# / SHT)
- STONE INFLOW / OUTLET PROTECTION

PAVEMENT MARKING NOTES

- M-1 STOP LINE: 12" WIDE, WHITE
- M-2 SOLID LINE: 4" WIDE, WHITE
- M-3 DOTTED LINE EXTENSION: 4" WIDE, 2-FOOT LINE SEGMENT WITH 4-FOOT GAPS, WHITE
- M-4 DIAGONAL CROSSHATCH: 8" WIDE, 3-FOOT GAPS, YELLOW EDGE LINES: 4" WIDE SOLID LINES, YELLOW
- M-5 SOLID PARKING SPACE LINE: 4" WIDE, 18' LONG, WHITE
- M-6 ACCESSIBLE ACCESS AISLE STRIPING SHALL BE INSTALLED PER ADA AND LOCAL ACCESSIBILITY REQUIREMENTS.

SIGNAGE NOTE

UNLESS OTHERWISE NOTED, ALL SIGNS SHALL BE INSTALLED PER DETAIL 1/C211.

2 WAYFINDING SIGNAGE

NOT TO SCALE

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22-22113-BAC0 NEW JACKSONVILLE SENIOR CENTER\04-DWG\C141 PAVEMENT MARKING AND SIGNAGE PLAN.DWG 5/13/2025 11:03 AM rsw

SEAL: REBEKAH S. WOLF — STATE OF MARYLAND — 4238 — LANDSCAPE ARCHITECT — 05/15/2025

DATE : 05/15/2025

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LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES — Concise Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	UNE	78NE11 78NE12 79NE11 79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PAVEMENT MARKING & SIGNAGE PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

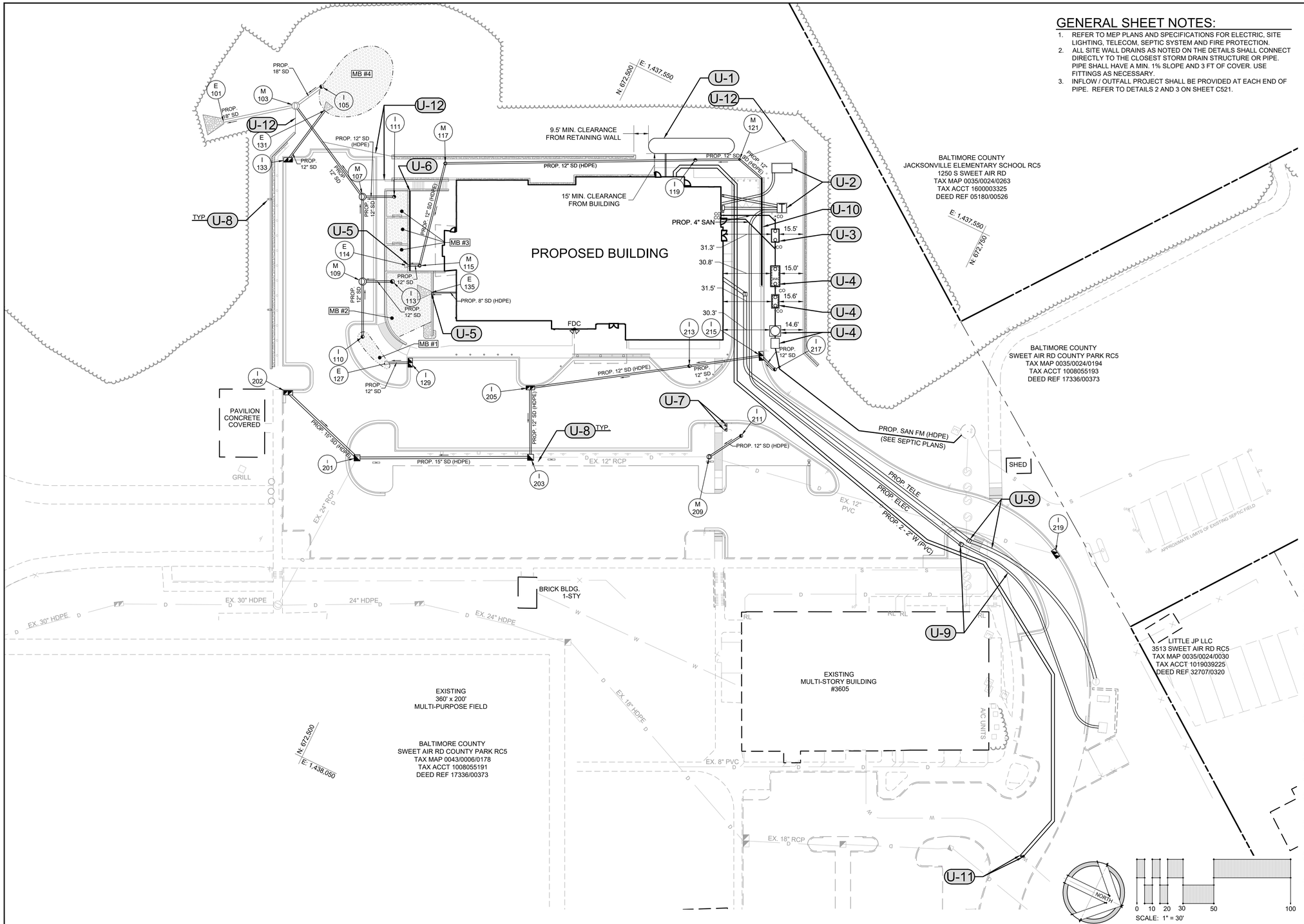
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C141	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 8 OF 195	
DRAWING NUMBER	
2025-0226	
FILE NO.: 8	REV. 05/15/25

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



GENERAL SHEET NOTES:

1. REFER TO MEP PLANS AND SPECIFICATIONS FOR ELECTRIC, SITE LIGHTING, TELECOM, SEPTIC SYSTEM AND FIRE PROTECTION.
2. ALL SITE WALL DRAINS AS NOTED ON THE DETAILS SHALL CONNECT DIRECTLY TO THE CLOSEST STORM DRAIN STRUCTURE OR PIPE. PIPE SHALL HAVE A MIN. 1% SLOPE AND 3 FT OF COVER. USE FITTINGS AS NECESSARY.
3. INFLOW / OUTFALL PROJECT SHALL BE PROVIDED AT EACH END OF PIPE. REFER TO DETAILS 2 AND 3 ON SHEET C521.

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING SIGN
- EX. SD — EXISTING STORM DRAIN
- W — EXISTING WATER
- S — EXISTING SANITARY SEWER
- EXISTING PROPANE TA
- T — EXISTING TELEPHONE
- E — EXISTING ELECTRIC
- EXISTING LIGHTING
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROP. 15" SD — PROPOSED STORM DRAIN
- PROP. 6" WATER — PROPOSED WATER
- PROP. 8" SAN — PROPOSED SANITARY SEWER
- PROP. FM — PROPOSED SANITARY FORCE MAIN
- PROP. TELECOM — PROPOSED TELECOMMUNICATIONS
- PROP. ELEC — PROPOSED ELECTRIC
- GROUND
- SHOEBOX — PROPOSED LIGHTING

UTILITY NOTES

- U-1 PROPOSED FIRE SUPPRESSION TANK SHOWN FOR REFERENCE ONLY. REFER TO FIRE PROTECTION PLANS.
- U-2 PROPOSED TRANSFORMER & GENERATOR SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS.
- U-3 PROPOSED GREASE INTERCEPTOR SHOWN FOR REFERENCE ONLY. REFER TO PLUMBING PLANS.
- U-4 PROPOSED SEPTIC TANKS, PUMP STATION SHOWN FOR REFERENCE ONLY. REFER TO SEPTIC PLANS.
- U-5 PIPE SHALL BE SLEEVED THROUGH SITE WALL AND DISCHARGE ABOVE GRADE INTO STORMWATER FACILITY. PROVIDE ZURN Z199 DOWNSPOUT NOZZLE W/ BRUSHED NICKEL FINISH AND STAINLESS STEEL RODENT SCREEN.
- U-6 PROPOSED ACO KS100 4" TRENCH DRAIN. UNITS KS1-27 TO KS1-40, KS1-0403 (SUMP w/ BOTTOM KNOCKOUT), AND KS1-40. TRENCH DRAIN SUMP SHALL BE LOCATED OVER PROPOSED PIPE (M-115 TO E-114). CONNECT TO PROPOSED PIPE WITH A 4" x 4" TEE CONNECTION. GRATE SHALL BE STAINLESS STEEL, ADA, AND HEEL PROOF.
- U-7 PROPOSED FLAGPOLE GROUND LIGHT UPLIGHTING. REFER TO ELECTRICAL PLANS.
- U-8 PROPOSED SITE LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS.
- U-9 PROPOSED TELECOM AND ELECTRIC UTILITIES SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS.
- U-10 PROPOSED ACO KS300 12" TRENCH DRAIN. UNITS K2-1 TO K2-10, K2-0103, K2-11 TO K2-20, K2-020, CONNECT TO PROPOSED PIPE WITH A 12" x 12" WYE. GRATE SHALL BE HS-20 RATED, TYPE 660D DUCTILE IRON SLOTTED GRATE (OR APPROVED EQUAL).
- U-11 PRIOR TO WATER SERVICE INSTALLATION, CONTRACTOR SHALL TEST PIT EXISTING WATER TO CONFIRM HORIZONTAL LOCATION, DEPTH, AND EXISTING MATERIAL.
- U-12 PROVIDE WALL UNDERDRAIN CONNECTION TO PROPOSED STORM DRAIN SYSTEM. COORDINATE UNDERDRAIN LOCATION WITH WALL DESIGNER. PROVIDE POSITIVE DRAINAGE OF AT LEAST 1%.

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

SEAL

STATE OF MARYLAND — PETER SOPRANO — PROFESSIONAL ENGINEER — 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 42977, EXPIRATION DATE 06/07/2025

ENGINEER: PETER SOPRANO

SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 150, Cockeysville, MD 21030
410.683.3368 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L_H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION — REVIEWED BY: — DATE REVIEWED:

HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

UTILITY PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

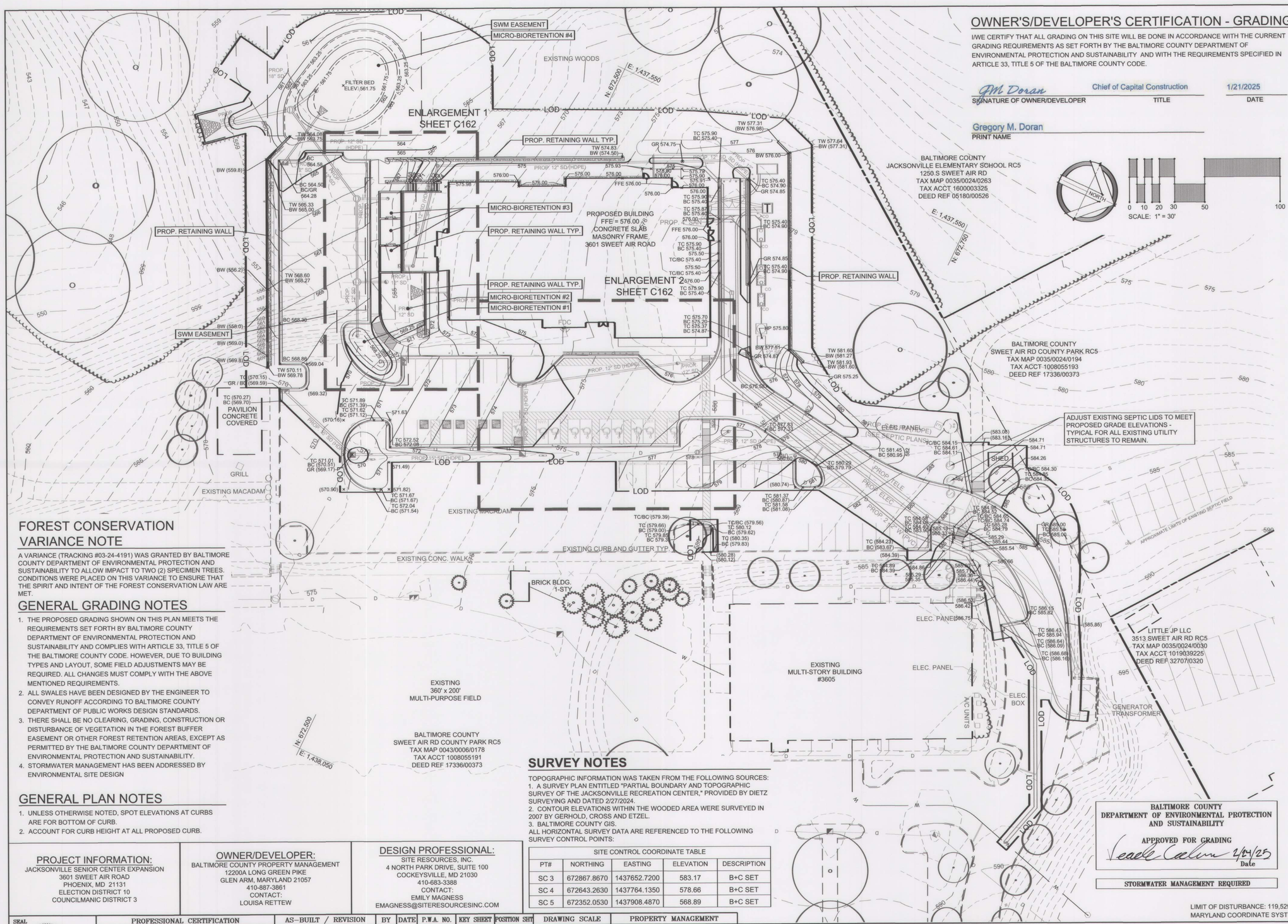
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C151	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 9 OF195
	DRAWING NUMBER
	2025-0227
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG. FILENAME: © SITE RESOURCES, INC. 2_23_23113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C151 UTILITY PLAN.DWG 5/14/2025 10:33 AM RSW



FOREST CONSERVATION VARIANCE NOTE

A VARIANCE (TRACKING #03-24-4191) WAS GRANTED BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY TO ALLOW IMPACT TO TWO (2) SPECIMEN TREES. CONDITIONS WERE PLACED ON THIS VARIANCE TO ENSURE THAT THE SPIRIT AND INTENT OF THE FOREST CONSERVATION LAW ARE MET.

GENERAL GRADING NOTES

1. THE PROPOSED GRADING SHOWN ON THIS PLAN MEETS THE REQUIREMENTS SET FORTH BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND COMPLIES WITH ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE. HOWEVER, DUE TO BUILDING TYPES AND LAYOUT, SOME FIELD ADJUSTMENTS MAY BE REQUIRED. ALL CHANGES MUST COMPLY WITH THE ABOVE MENTIONED REQUIREMENTS.
2. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
3. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST BUFFER EASEMENT OR OTHER FOREST RETENTION AREAS, EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.
4. STORMWATER MANAGEMENT HAS BEEN ADDRESSED BY ENVIRONMENTAL SITE DESIGN

GENERAL PLAN NOTES

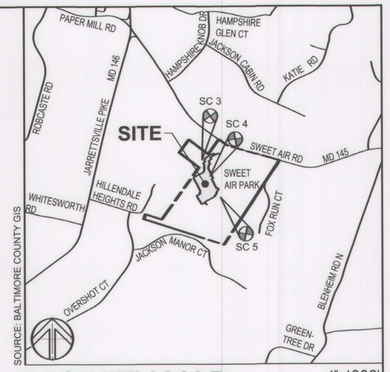
1. UNLESS OTHERWISE NOTED, SPOT ELEVATIONS AT CURBS ARE FOR BOTTOM OF CURB.
2. ACCOUNT FOR CURB HEIGHT AT ALL PROPOSED CURB.

OWNER'S/DEVELOPER'S CERTIFICATION - GRADING

I/WE CERTIFY THAT ALL GRADING ON THIS SITE WILL BE DONE IN ACCORDANCE WITH THE CURRENT GRADING REQUIREMENTS AS SET FORTH BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND WITH THE REQUIREMENTS SPECIFIED IN ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE.

SIGNATURE OF OWNER/DEVELOPER	TITLE	DATE
JM Doran	Chief of Capital Construction	1/21/2025

Gregory M. Doran
PRINT NAME



VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING PROPANE TA
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING LIGHTING
- EXISTING CONTOURS
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROPOSED STORM DRAIN
- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY FORCE MAIN
- PROPOSED TELECOMMUNICATIONS
- PROPOSED ELECTRIC
- PROPOSED LIGHTING
- PROPOSED CONTOURS
- SPOT ELEVATIONS

SURVEY NOTES

TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING SOURCES:
1. A SURVEY PLAN ENTITLED "PARTIAL BOUNDARY AND TOPOGRAPHIC SURVEY OF THE JACKSONVILLE RECREATION CENTER," PROVIDED BY DIETZ SURVEYING AND DATED 2/27/2024.
2. CONTOUR ELEVATIONS WITHIN THE WOODED AREA WERE SURVEYED IN 2007 BY GERHOLD, CROSS AND ETZEL.
3. BALTIMORE COUNTY GIS.

ALL HORIZONTAL SURVEY DATA ARE REFERENCED TO THE FOLLOWING SURVEY CONTROL POINTS:

SITE CONTROL COORDINATE TABLE

PT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
SC 3	672867.8670	1437652.7200	583.17	B+C SET
SC 4	672643.2630	1437764.1350	578.66	B+C SET
SC 5	672352.0530	1437908.4870	568.89	B+C SET

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY
APPROVED FOR GRADING
Date

STORMWATER MANAGEMENT REQUIRED

LIMIT OF DISTURBANCE: 119,529 SF / 2.74 AC
MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com
DATE: 02/11/2025

DGN BY: EAM
DWN BY: L H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNK	78NE11
					78NE12
			R.O.W NO.		79NE11
CONTRACT COMPLETION BOX					79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

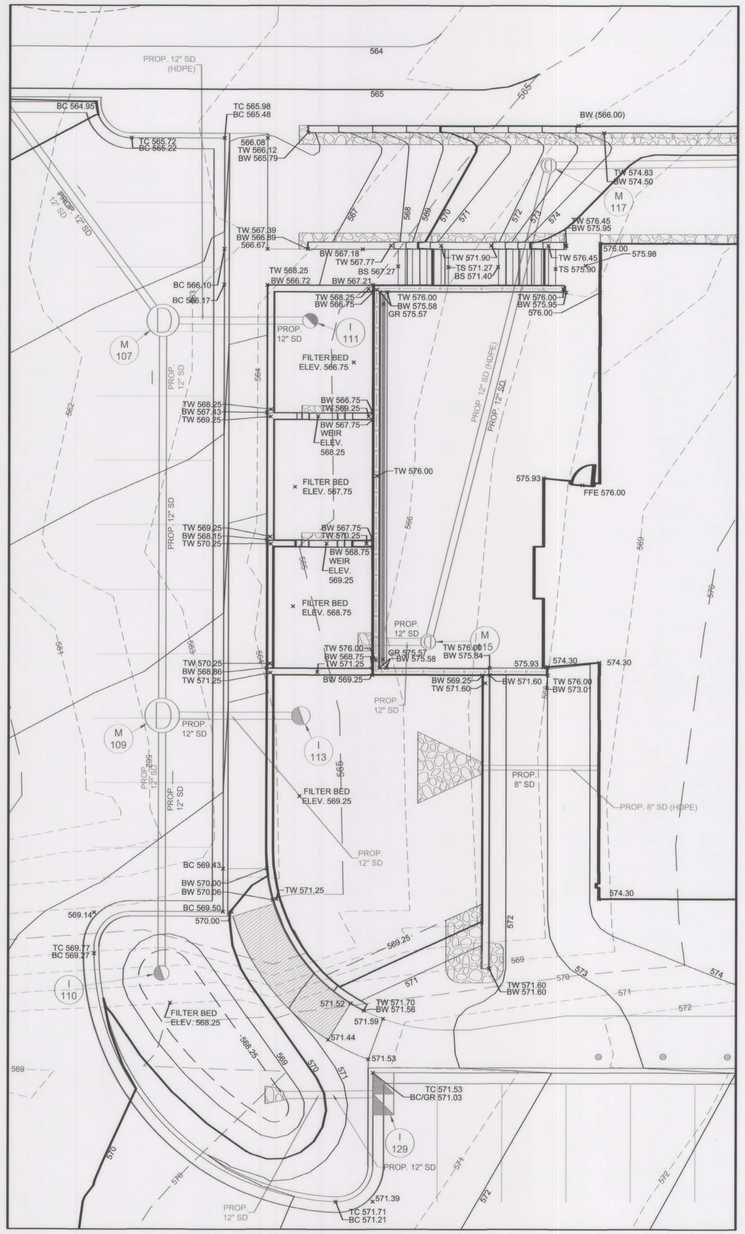
JACKSONVILLE SENIOR CENTER
FINAL GRADING PLAN
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C161	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 10 OF 195	
DRAWING NUMBER	2025-0228
FILE NO.: 8	REV. PLAN

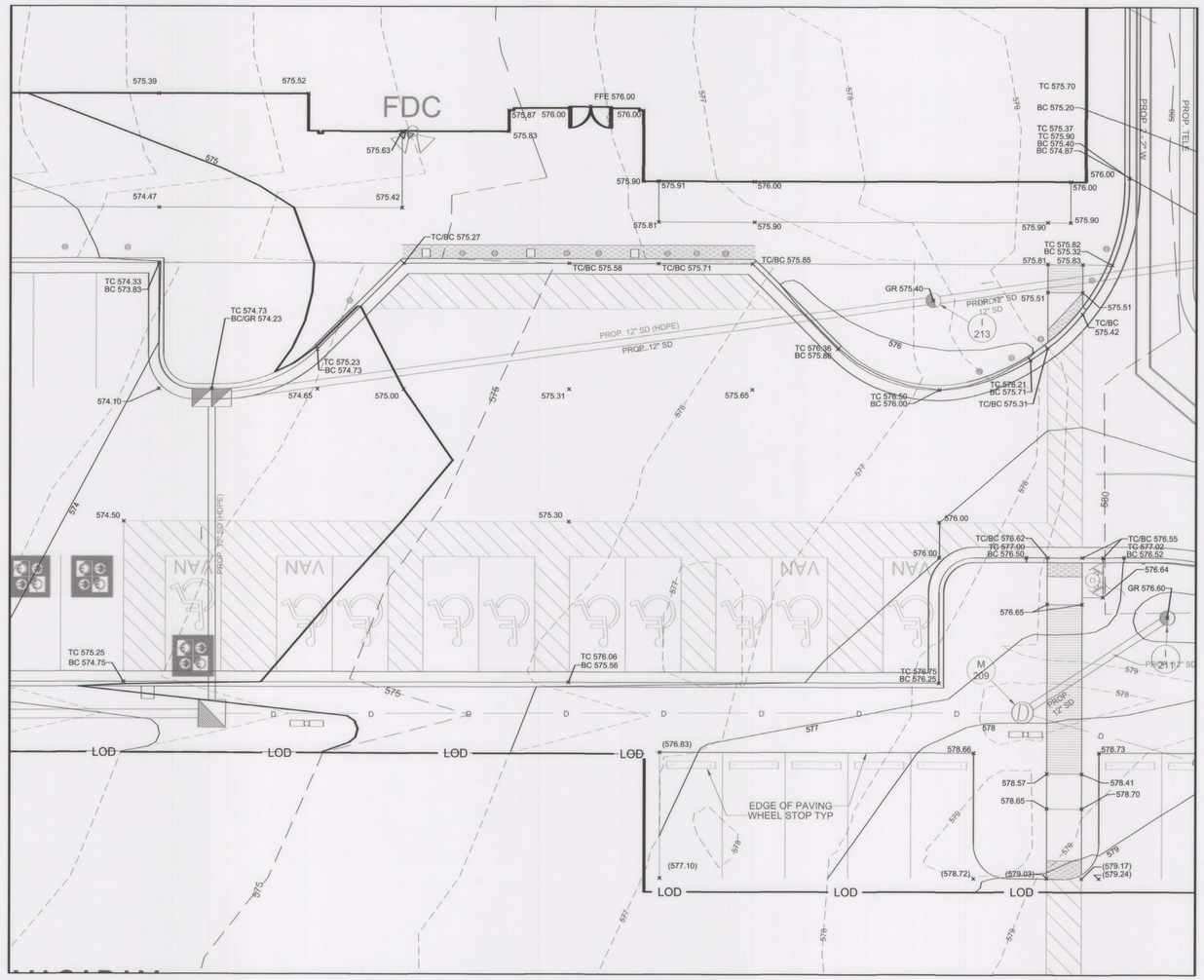
COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

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© SITE RESOURCES, INC.



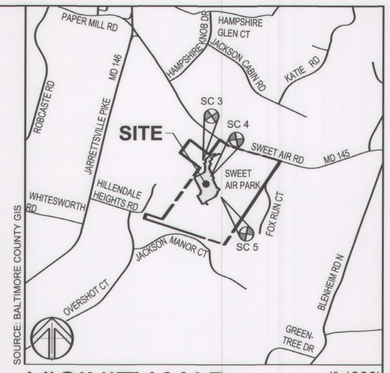
1 ENLARGEMENT 1

1"=10'



2 ENLARGEMENT 2

1"=10'

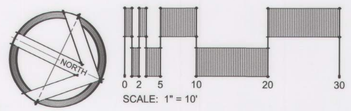


VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN (D)
- EXISTING WATER (W)
- EXISTING SANITARY SEWER (S)
- EXISTING PROPANE TA (O)
- EXISTING TELEPHONE (T)
- EXISTING ELECTRIC (E) — EX. ELEC
- EXISTING LIGHTING
- EXISTING CONTOURS (350 / 348)
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROPOSED STORM DRAIN — PROP. 15" SD
- PROPOSED WATER — PROP. 6" WATER
- PROPOSED SANITARY SEWER — PROP. 8" SAN
- PROPOSED SANITARY FORCE MAIN — PROP. FM
- PROPOSED TELECOMMUNICATIONS
- PROPOSED ELECTRIC — PROP. ELEC
- PROPOSED LIGHTING — GROUND / SHOEBOX
- PROPOSED CONTOURS (350 / 348)
- SPOT ELEVATIONS — (220.8) EXISTING; 220.8 PROPOSED



SCALE: 1" = 10'

LIMIT OF DISTURBANCE: 119,529 SF / 2.74 AC
MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
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CONTACT:
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DESIGN PROFESSIONAL:
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4 NORTH PARK DRIVE, SUITE 100
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410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL

DATE : 02/11/2025

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LICENSE NO. 42977 EXPIRATION DATE 06/07/2025

ENGINEER: PETER SOPRANO
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4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NE11
					78NE12
			R.O.W NO.		79NE11
CONTRACT COMPLETION BOX					79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

SUBDIVISION: JACKSONVILLE

JACKSONVILLE SENIOR CENTER
GRADING PLAN ENLARGEMENTS
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

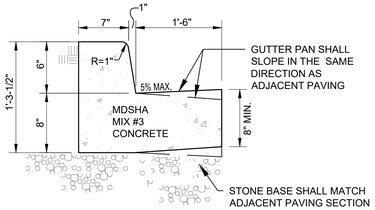
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C162	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 11 OF 195
	DRAWING NUMBER
	2025-0229
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

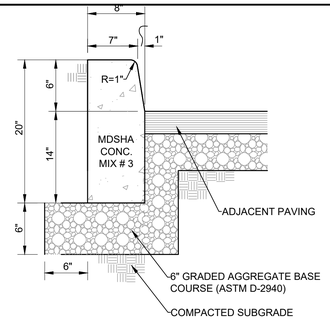
BID DOCUMENTS 5/15/2025
REISSUED FOR BID DOCUMENTS 5/15/2025

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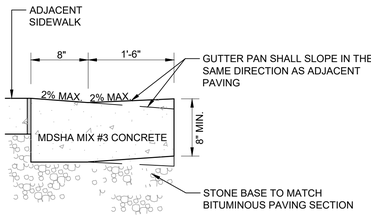
1 CONCRETE CURB & GUTTER

NOT TO SCALE



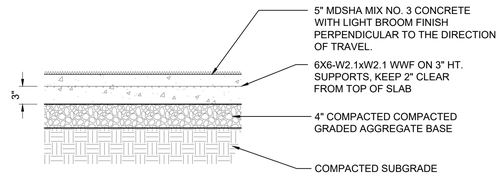
1A CONC. CURB

NOT TO SCALE



2 ACCESSIBLE FLUSH CONC. CURB & GUTTER

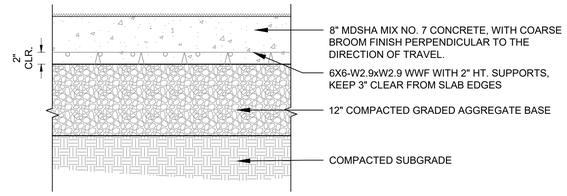
NOT TO SCALE



3 CONCRETE SIDEWALK

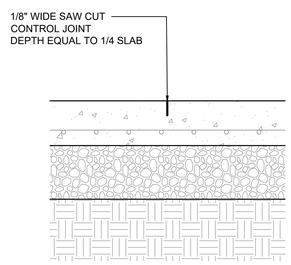
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NOTE
1. REFER TO DETAIL 5, THIS SHEET FOR TYPICAL CONCRETE JOINTS AND EDGE TREATMENT.

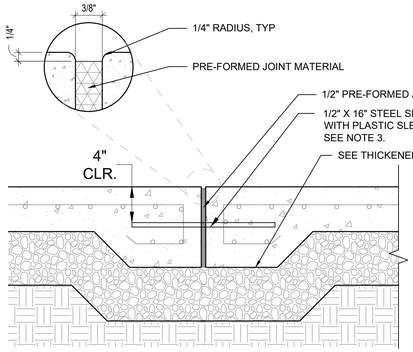


4 HEAVY-DUTY CONCRETE PAVING

NOT TO SCALE

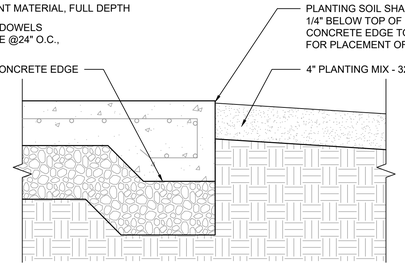


A CONTROL JOINT

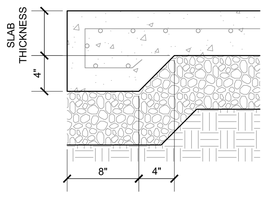


B EXPANSION JOINT/ ISOLATION JOINT

NOTES:
1. PROVIDE ISOLATION JOINTS WHERE POUR MEETS EXISTING CONCRETE PAVING OR CURB AND ALL PROPOSED VERTICAL CONDITIONS.
2. WHEN CONCRETE PAVING ABUTS BACK OF STREET CURB, WALK SHALL BE 1/4" ABOVE TOP OF CURB.
3. WHEN CONCRETE PAVING ABUTS EXISTING CONCRETE PAVING, CORE DRILL EXISTING PAVING AND INSTALL DOWELS AND THICKENED EDGE PER DETAILS.
4. WHEN CONCRETE PAVING ABUTS A DOORWAY INTO A BUILDING, INSTALL THICKENED EDGE AND DOWEL CONCRETE PAVING INTO BUILDING.



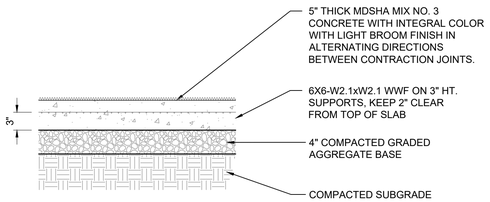
C CONCRETE ADJACENT TO LAWN



THICKENED CONCRETE EDGE

5 TYPICAL CONCRETE JOINTS

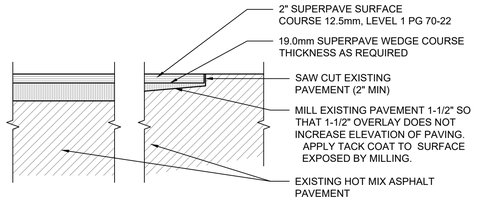
NOT TO SCALE



NOTES
1. CONCRETE TO BE DYED INTEGRALLY THROUGHOUT MIX. CONTRACTOR SHALL SUBMIT SAMPLES AND PROVIDE MOCKUP ON-SITE FOR OWNER APPROVAL.
   BASIS OF DESIGN: SIKA CHROMIX G
   COLOR: BROWNSTONE
2. PLACE 3/8" PRE-FORMED EXPANSION JOINT MATERIAL BETWEEN PROPOSED COLORED CONCRETE SIDEWALK AND BUILDING. EXPANSION JOINTS SHALL BE RECESSED 1/4" BELOW SURFACE OF SIDEWALK.
3. PLACE TYPE NS SILICONE SEALANT AROUND EXPANSION JOINT ON ALL SIDES. COLOR SHALL MATCH PROPOSED COLORED CONCRETE WALK.
4. TEXTURE AND EDGE SHALL MEET CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
5. PROVIDE EXPANSION JOINTS WHERE CONCRETE ABUTS EXISTING WALKS, WALLS, CURBS, STAIRS, ETC. AND WHERE REQUIRED PER THE TYPICAL CONCRETE JOINTS DETAIL.

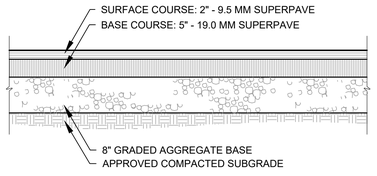
7 COLORED CONCRETE SIDEWALK

NOT TO SCALE



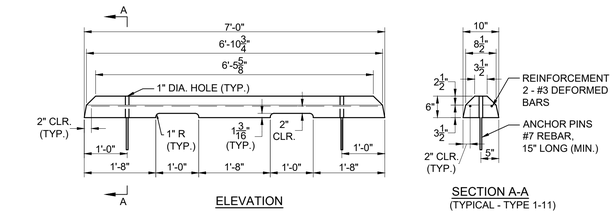
8 HOT MIX ASPHALT OVERLAY

NOT TO SCALE



9 ASPHALT PAVING

NOT TO SCALE



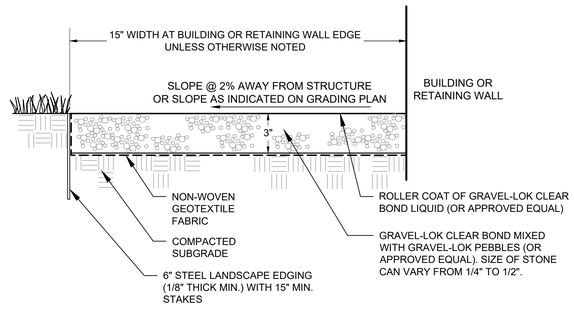
ELEVATION

SECTION A-A
(TYPICAL - TYPE 1-11)

NOTES:
1. 4500 PSI CONCRETE
2. ANCHOR PINS SHALL NOT PROTRUDE ABOVE TOP OF WHEELSTOP
3. INSTALL WHEELSTOPS 24" FROM EDGE OF PAVING.

10 PRECAST CONCRETE WHEELSTOP

NOT TO SCALE



6 GRAVEL-LOK™ MOW STRIP

NOT TO SCALE

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C201 SITE DETAILS.DWG 5/13/2025 10:04 AM RSW

SEAL

STATE OF MARYLAND
REUBEN S. WOLF
No. 4238
LANDSCAPE ARCHITECT
05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2027

ENGINEER: PETER SOPRANO

SITE RESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION
REVIEWED BY:
DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SITE DETAILS I
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

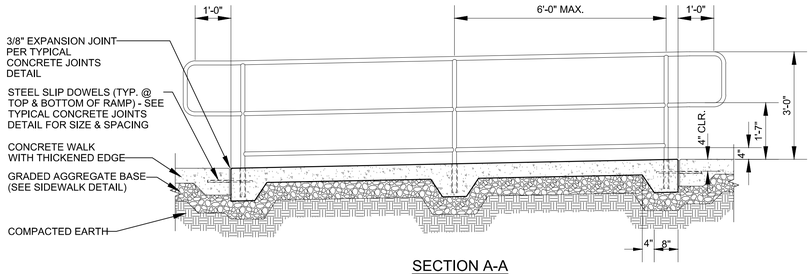
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

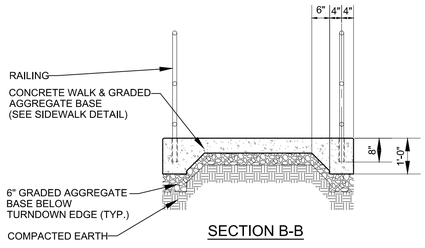
SHEET DESIGNATION	CONTRACT NUMBER
C201	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 12 OF195	
DRAWING NUMBER	
2025-0230	
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



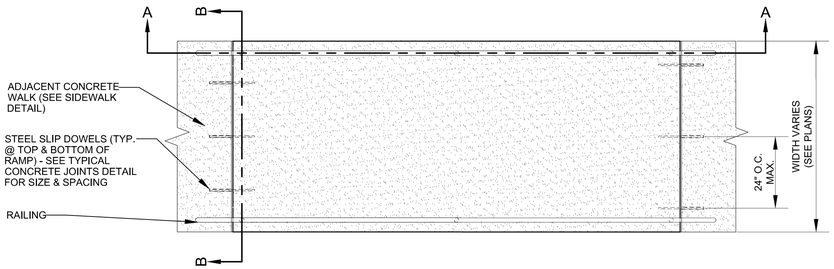
SECTION A-A



SECTION B-B

NOTES:

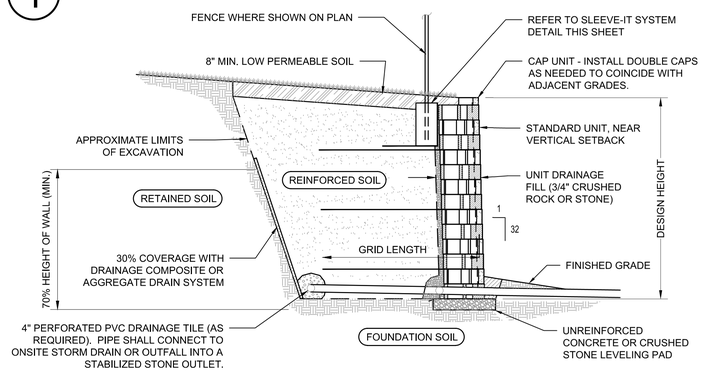
1. RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STAINLESS STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED.
2. TOP OF RAILING TO BE 36" ABOVE WALKING SURFACE.
3. ALL CONCRETE TO BE SHA MIX NO. 3.
4. ALL EXPOSED CONCRETE EDGE RADII SHALL BE 1/2".
5. ALL RAILING EXTERIOR RADII SHALL BE 4".
6. RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" INTO CONCRETE. CONCRETE SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT.
7. WALKING SURFACE TO RECEIVE LIGHT BRUSHED NON-SLIP FINISH THAT IS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL. (SEE SPECS)
8. UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A MINIMUM CLEARANCE OF 3" FROM SURFACE.
9. EXPANSION AND CONTRACTION JOINTS SHALL BE SPACED IN ACCORDANCE WITH CONCRETE SIDEWALK DETAIL.
10. ALL EXPANSION JOINTS ON RAMP SHALL BE DOWELED @ 24" O.C. AS SHOWN.
11. STRAIGHT PORTION OF RAILING SHALL EXTEND A MINIMUM OF 12" HORIZONTALLY BEYOND TOP AND BOTTOM OF RAMP BEFORE TURNING DOWN.



PLAN

1 CONCRETE RAMP & RAILING

NOT TO SCALE

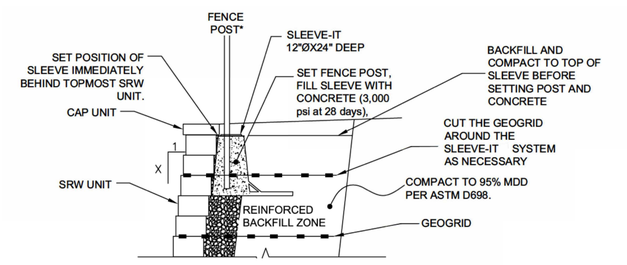


NOTE:

THIS DETAIL IS GENERAL IN NATURE & NOT MEANT TO DICTATE THE DESIGN OR EXACT DIMENSIONS OF THE SEGMENTAL BLOCK RETAINING WALL. SPECIFIC DESIGN & DETAILING OF THE WALL SHALL BE DETERMINED & IS THE RESPONSIBILITY OF THE WALL UNIT SUPPLIER IN CONJUNCTION WITH THE INSTALLING CONTRACTOR. COMPLETE DESIGN & DETAIL SHOP DRAWINGS SIGNED & SEALED BY A MARYLAND P.E. SHALL BE SUBMITTED TO & APPROVED BY SITE RESOURCES, INC. AND THE STRUCTURAL ENGINEER PRIOR TO WALL CONSTRUCTION.

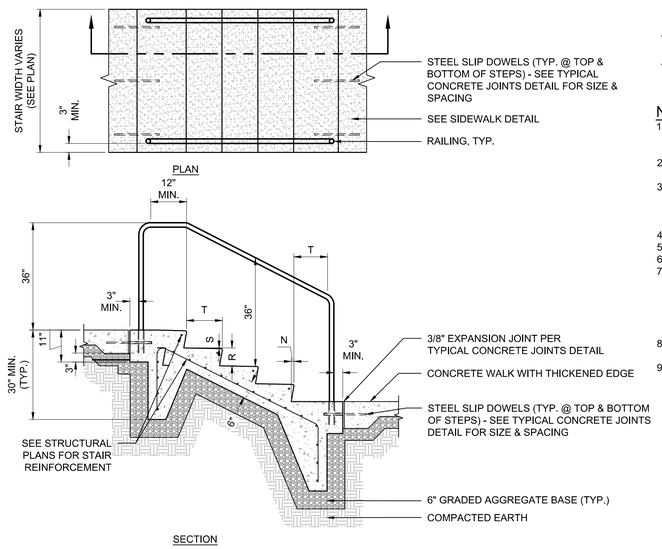
4 SEGMENTAL BLOCK RETAINING WALL

NOT TO SCALE



5 SLEEVE-IT™ SYSTEM FENCE INSTALLATION

NOT TO SCALE



PLAN

SECTION

RISER (R)	TREAD (T)	SLOPE (S)	OVERHANG (N)
6	12	1/4	1

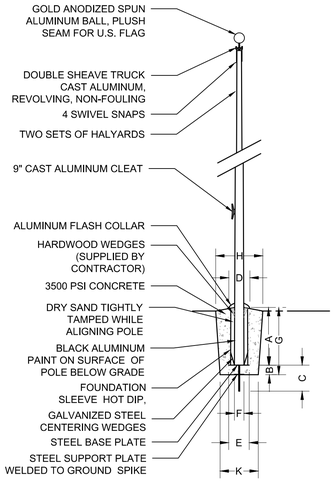
ALL DIMENSIONS IN INCHES

NOTES:

1. RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STAINLESS STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED.
2. TOP OF RAILING TO BE 36" ABOVE WALKING SURFACE AND STAIR NOSE.
3. RAILING SHALL EXTEND A MINIMUM OF 12" HORIZONTALLY BEYOND NOSE OF TOP RISER AND A TREAD WIDTH BEYOND BOTTOM RISER BEFORE TURNING DOWN.
4. ALL CONCRETE TO BE MDSHA MIX NO. 3.
5. ALL STAIR NOSE RADII SHALL BE 1/2".
6. ALL RAILING EXTERIOR RADII SHALL BE 4".
7. RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" INTO CONCRETE. WHERE INTERMEDIATE POSTS ARE NECESSARY, INSTALL IN CENTER OF STAIR TREAD. CONCRETE SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT. GROUT TO BE FLUSH WITH ADJACENT CONCRETE.
8. STAIR TREADS TO RECEIVE LIGHT BROOM FINISH. (SEE SPECS)
9. UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A CLEARANCE OF 3" FROM SURFACE.

2 SECTION AT SOUTH RETAINING WALL

NOT TO SCALE



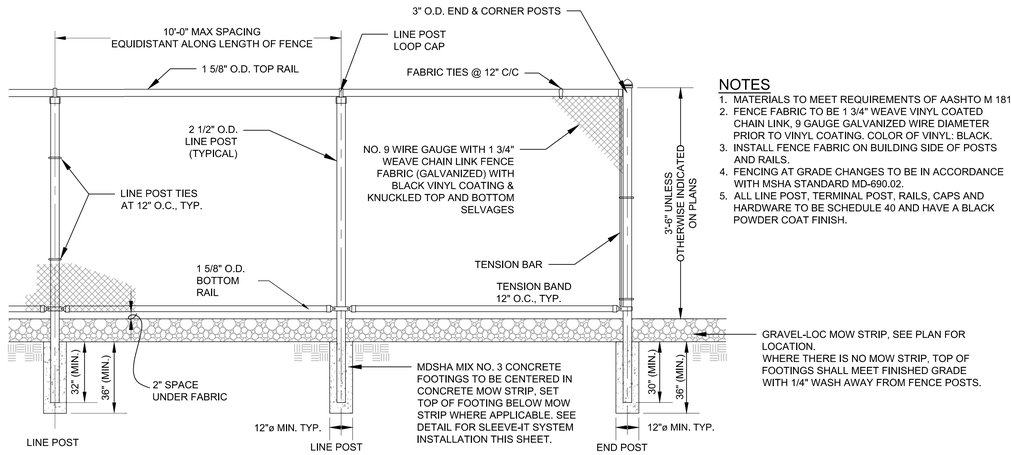
NOTE: INSTALLATION PER MANUFACTURER'S SPECIFICATIONS

FOUNDATION DIMENSIONS (ELDER FLAGPOLE COMPANY)

EXPOSED HEIGHT	A	B	C	D	E	F	G	H	K	MODEL #
30'	3'-0"	6"	18"	10"	14"	6"	3'-6"	30"	24"	EC 30

3 FLAG POLE

NOT TO SCALE



NOTES

1. MATERIALS TO MEET REQUIREMENTS OF AASHTO M 181.
2. FENCE FABRIC TO BE 1 3/4" WEAVE VINYL COATED CHAIN LINK, 9 GAUGE GALVANIZED WIRE DIAMETER PRIOR TO VINYL COATING. COLOR OF VINYL: BLACK.
3. INSTALL FENCE FABRIC ON BUILDING SIDE OF POSTS AND RAILS.
4. FENCING AT GRADE CHANGES TO BE IN ACCORDANCE WITH MSHA STANDARD MD-690.02.
5. ALL LINE POST, TERMINAL POST, RAILS, CAPS AND HARDWARE TO BE SCHEDULE 40 AND HAVE A BLACK POWDER COAT FINISH.

6 42" BLACK VINYL COATED CHAIN LINK FENCE

NOT TO SCALE

SEAL

STATE OF MARYLAND — ZACKARY S. WOLF — 42977 — LANDSCAPE ARCHITECT — 4238

APPROVED 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 42977, EXPIRATION DATE 06/07/2027.

ENGINEER: PETER SOPRANO

SITERESOURCES — Creative Design. Successfully Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com

DGN BY: EAM | DWN BY: L. H | CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	UNE	78NE11
		78NE12
		79NE11
		79NE12

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SITE DETAILS II
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

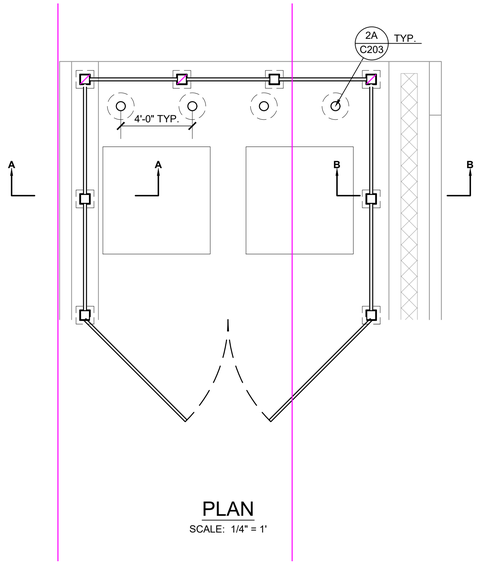
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

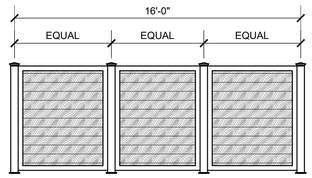
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C202	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 13 OF 195	
DRAWING NUMBER	2025-0231
FILE NO.: 8	

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER 04-DWG\C201 SITE DETAILS.DWG 5/13/2025 10:04 AM rsw

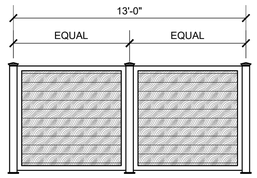
BID DOCUMENTS 5/15/2025



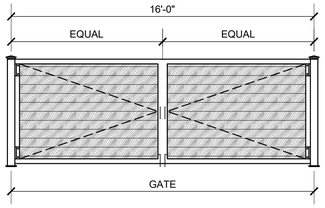
PLAN
SCALE: 1/4" = 1'



REAR ELEVATION
SCALE: 1/4" = 1'

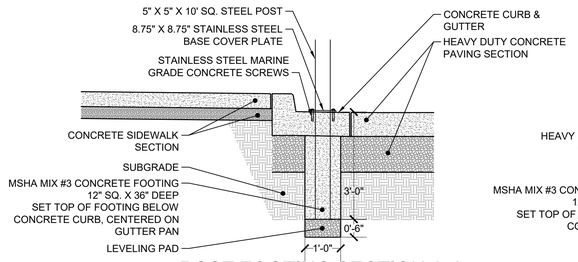


SIDE ELEVATION
SCALE: 1/4" = 1'

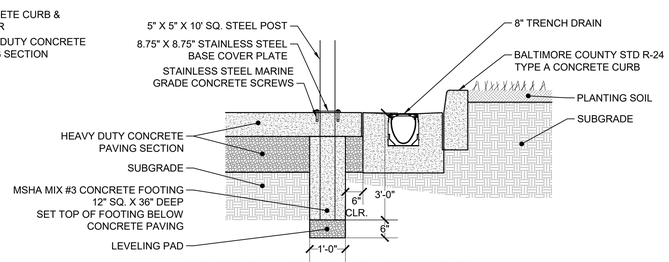


FRONT ELEVATION
SCALE: 1/4" = 1'

MODEL:	COVRIT, THE TOUGHGATE, MISSION STYLE GATE WITH BARREL TYPE HINGE FOR SQUARE PANEL POST
INSTALLATION:	IN GROUND POST EMBEDMENT
INFILL:	ENGINEERED WOOD, SINGLE SIDED HORIZONTAL PLANK (STANDARD STIFFENER)
FINISH:	POWDER COATED ALUMINUM FRAME SUBMIT SAMPLES TO LA FOR FINAL SELECTION
MANUFACTURER:	CITYSCAPES ARCHITECTURAL INNOVATIONS OR APPROVED EQUAL

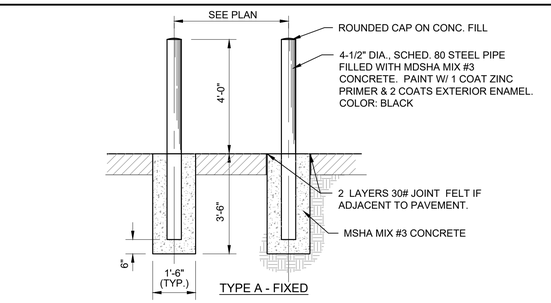


POST FOOTING SECTION A-A
SCALE: 1/2" = 1'-0"

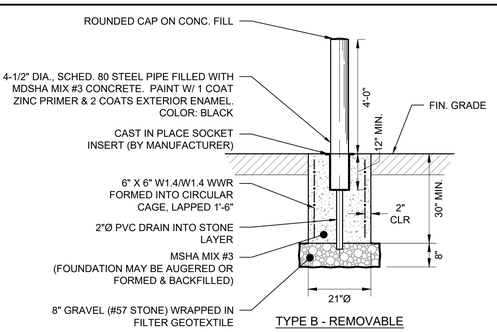


POST FOOTING SECTION B-B
SCALE: 1/2" = 1'-0"

NOTE:
CONTRACTOR TO SUBMIT SHOP DRAWINGS

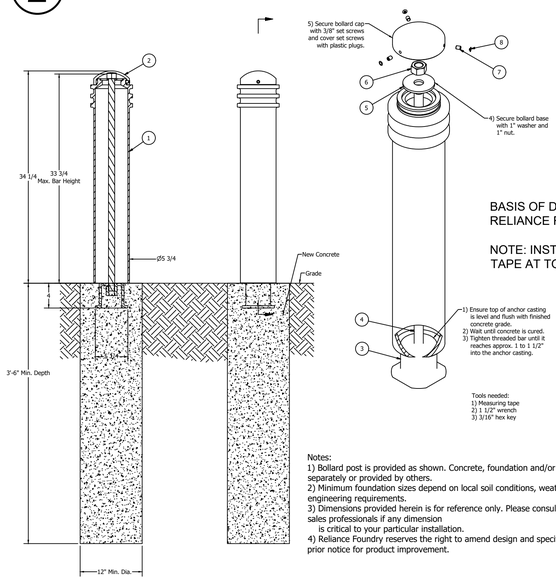


TYPE A - FIXED



TYPE B - REMOVABLE

2 STEEL BOLLARD
NOT TO SCALE



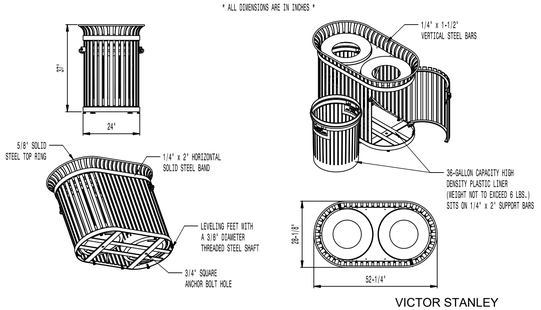
BASIS OF DESIGN:
RELIANCE FOUNDRY R-7576

NOTE: INSTALL REFLECTIVE TAPE AT TOP RECESSIONS.

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

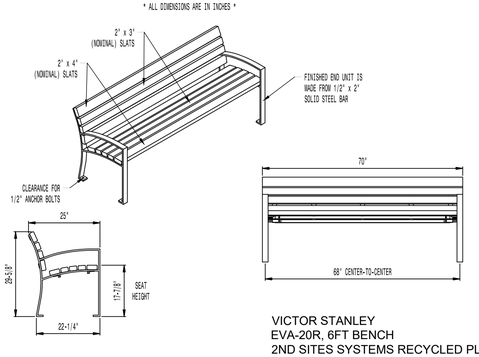
4 NOT USED
NOT TO SCALE

1 6'-0" HT. DUMPSTER ENCLOSURE
BASIS OF DESIGN — SCALE VARIES



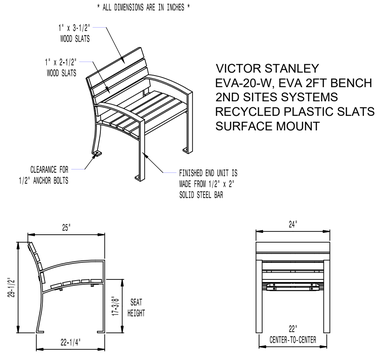
VICTOR STANLEY
EB-236SD DUAL LITTER RECEPTACLE
BLACK POWDER COAT COLOR
SURFACE MOUNT
CUSTOM DECALS FOR "RECYCLE" & "TRASH"
CONVEX SPRING-LOADED LIDS

6 LITTER RECEPTACLE
BASIS OF DESIGN — NOT TO SCALE



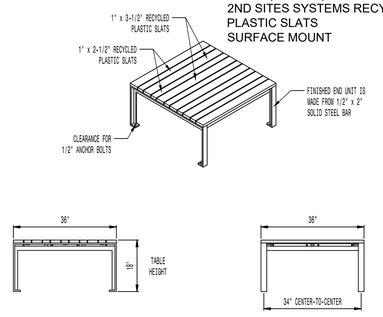
VICTOR STANLEY
EVA-20R, 6FT BENCH
2ND SITES SYSTEMS RECYCLED PLASTIC SLATS
SURFACE MOUNT
INSTALL (2) INTERMEDIATE ARMRESTS

7 6 FT. BENCH
BASIS OF DESIGN — NOT TO SCALE



VICTOR STANLEY
EVA-20-W, EVA 2FT BENCH
2ND SITES SYSTEMS
RECYCLED PLASTIC SLATS
SURFACE MOUNT

VICTOR STANLEY
CAMT-33C, CAMILLE COFFEE TABLE (3FTx3FT)
2ND SITES SYSTEMS RECYCLED PLASTIC SLATS
SURFACE MOUNT



8 2 FT. BENCHES (TWO) & COFFEE TABLE
BASIS OF DESIGN — NOT TO SCALE

5 NOT USED
NOT TO SCALE

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C203 SITE DETAILS.DWG 5/13/2025 10:04 AM rsw

SEAL: STATE OF MARYLAND — REGINALD S. WOLF — 4238 — LANDSCAPE ARCHITECT — 05/15/2025
DATE: 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2027.

ENGINEER: PETER SOPRANO
SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 150, Cockeysville, MD 21030
410.683.3368 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L_H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	UNE	78NE11 78NE12 79NE11 79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

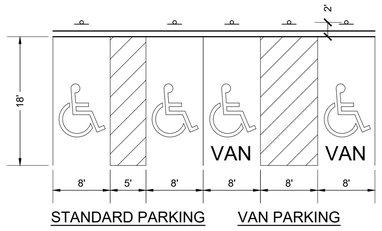
JACKSONVILLE SENIOR CENTER
SITE DETAILS III
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C203	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 14 OF195	
DRAWING NUMBER	2025-0232
FILE NO.: 8	REV. 00/00

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

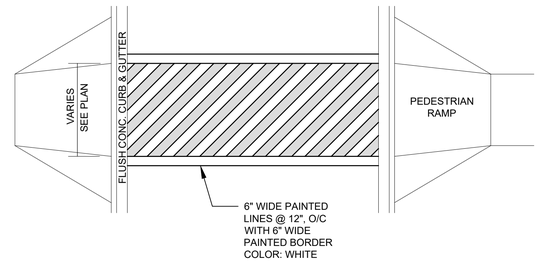


NOTES:

1. ACCESSIBLE PARKING SPACES AND AISLES SHALL COMPLY WITH THE CURRENT ADA REQUIREMENTS AT TIME OF CONSTRUCTION.
2. REFER TO PAVEMENT MARKING AND SIGNAGE PLAN FOR MARKING INSTRUCTIONS.

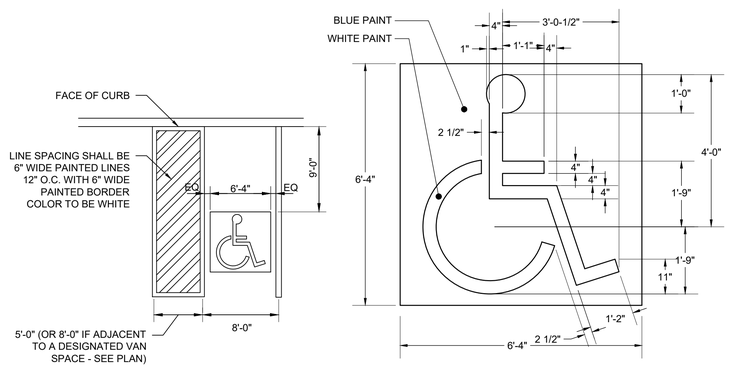
1 ACCESSIBLE PARKING SPACE LAYOUT

NOT TO SCALE



2 CROSSWALK

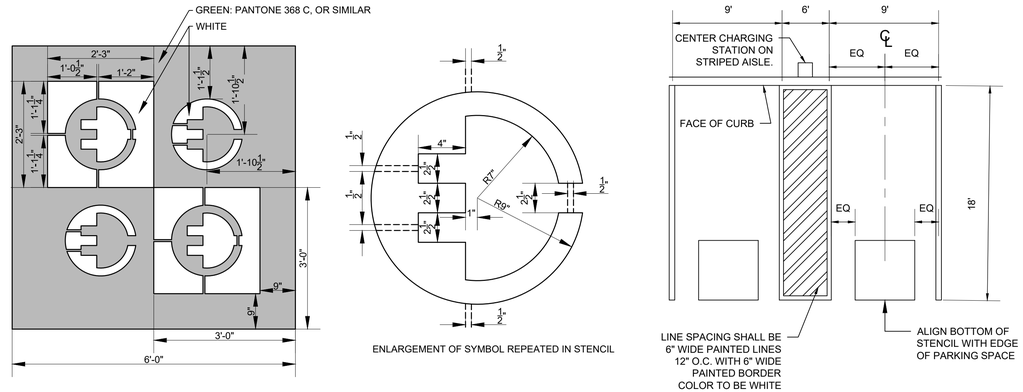
NOT TO SCALE



NOTE: PAINT COLORS SHALL COMPLY WITH CURRENT ADAAG REGULATIONS.

3 TYPICAL ACCESSIBLE PARKING SPACE MARKINGS

NOT TO SCALE



4 TYPICAL ELECTRIC VEHICLE PARKING PAVEMENT STENCIL LAYOUT

NOT TO SCALE

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C201 SITE DETAILS.DWG 5/13/2025 10:04 AM rsw

SEAL

STATE OF MARYLAND — REUKAH S. WOLF — 4236 — LANDSCAPE ARCHITECT

05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 42977, EXPIRATION DATE 06/07/2027.

ENGINEER: PETER SOPRANO

SITE RESOURCES — Creative Design. Successfully Engineered.

4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
		78NE12
R.O.W NO.		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SITE DETAILS IV
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

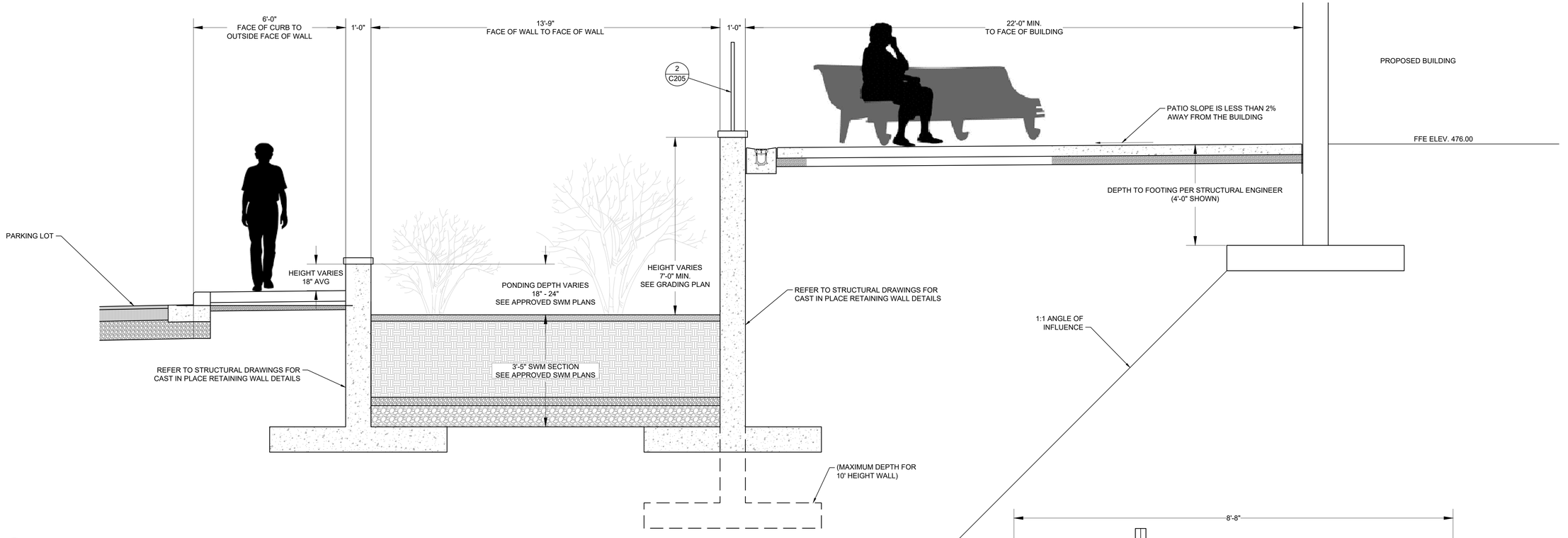
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C204	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 15 OF195	
DRAWING NUMBER	
2025-0233	
FILE NO.: 8	REV. 05/15/25

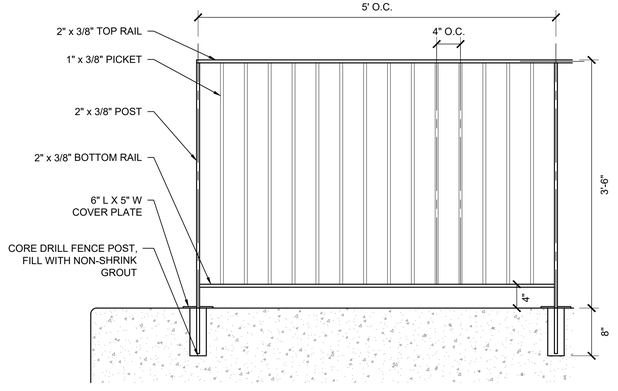
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



1 SITE SECTION

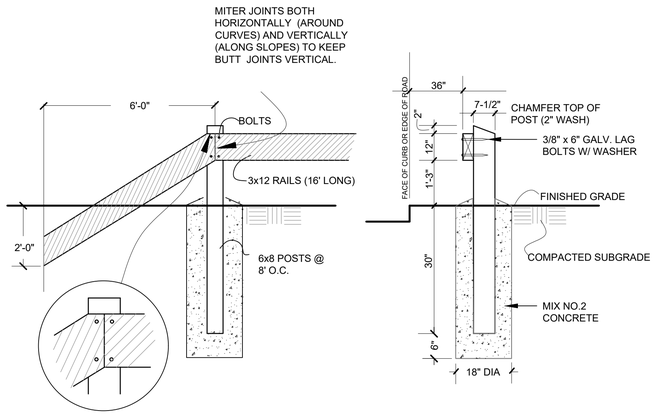
NOT TO SCALE



NOTES:
1. ALL GUARD RAIL MATERIALS SHALL BE SHOP FABRICATED, POWDERCOATED ALUMINUM COLOR: BLACK
2. CONTRACTOR SHALL PROVIDE DELEGATED DESIGN SUBMITTAL FOR GUARDRAIL INSTALLATION IN SITE WALLS AND RETAINING WALLS.

2 42" DECORATIVE GUARDRAIL

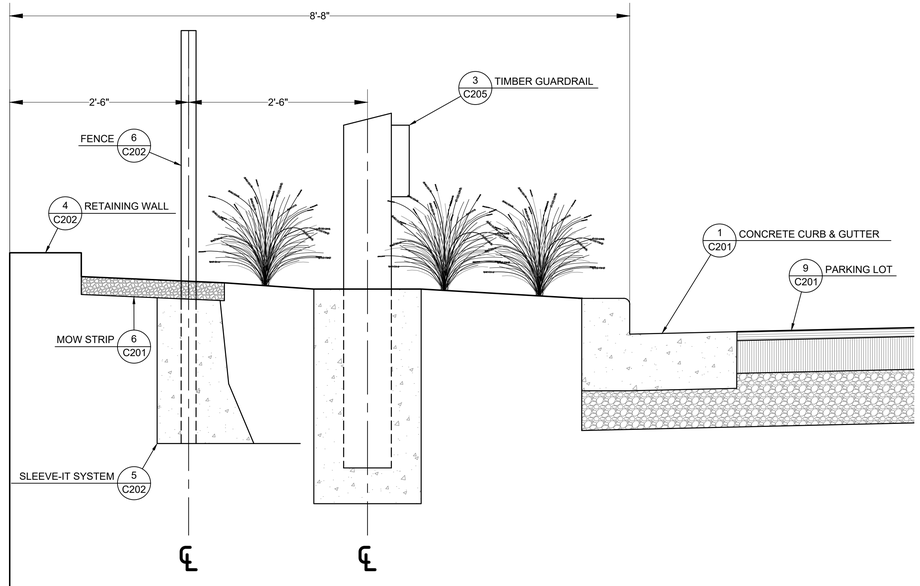
NOT TO SCALE



ALL TIMBER SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE. THE TOP OF THE 3x12 RAILS SHALL FORM A CONSTANT SLOPE BETWEEN THE CORNER POSTS OF THE PARKING LOT. PULL A STRING LINE BETWEEN THE CORNER POSTS AND MARK THE LINE POSTS WITH ANGLE CREATED BY THE LINE. MITER THE 3x12's VERTICALLY TO KEEP THE BUTT JOINTS PLUMB WHILE MATCHING THE TOP OF THE 3x12's TO THE LINE.

3 TIMBER GUARDRAIL

NOT TO SCALE



4 SECTION AT SOUTH RETAINING WALL

NOT TO SCALE

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C201 SITE DETAILS.DWG 5/13/2025 10:04 AM rsw

SEAL

STATE OF MARYLAND — REBECCA S. WOLF — 4238 — LANDSCAPE ARCHITECT — 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2027

ENGINEER: PETER SOPRANO

SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		
BUREAU OF ENGINEERING AND CONSTRUCTION		
REVIEWED BY:		
DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

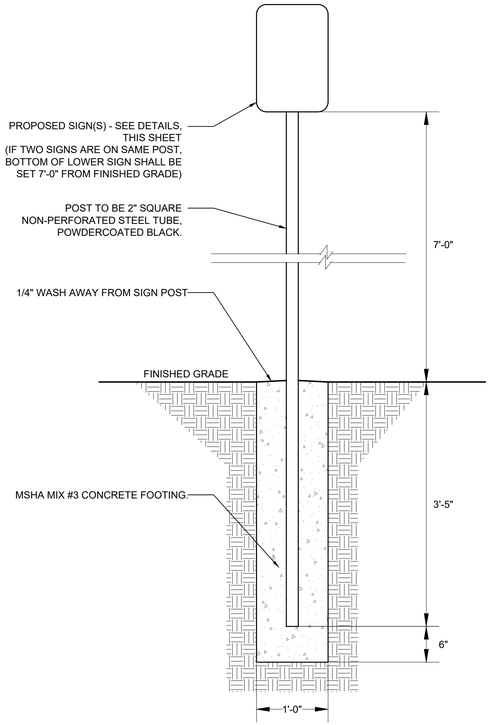
JACKSONVILLE SENIOR CENTER
SITE DETAILS V
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

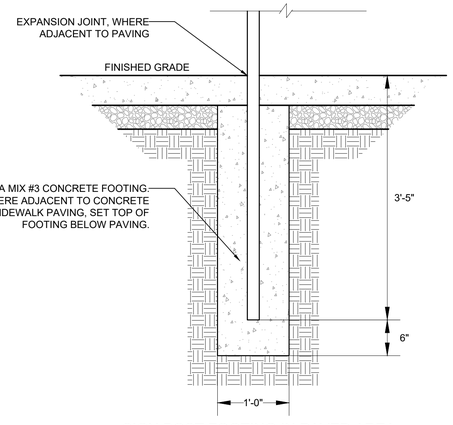
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C205	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 16 OF 195	
DRAWING NUMBER	
2025-0234	
FILE NO.: 8	

BID DOCUMENTS 5/15/2025



SIGN POST WITH FOOTING IN UNPAVED AREA



SIGN POST FOOTING IN PAVED AREA

NOTES:
1. ALL STANDARD TRAFFIC CONTROL SIGNS SHALL COMPLY WITH APPLICABLE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES GUIDELINES.
2. PROVIDE SHOP DRAWINGS OF SIGN LAYOUTS. FINAL SIGN LAYOUT TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO ORDERING AND INSTALLATION.

1 SIGN POST & FOOTING
SCALE: 1" = 1'



MMUTCD R1-1

2 STOP
NOT TO SCALE



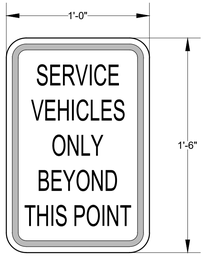
MMUTCD W11-2

5 PEDESTRIAN TRAFFIC
NOT TO SCALE



NOTES:
1. SIGN SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. SIGN LAYOUT AND COLORS TO MATCH THE REQUIREMENTS OF THE MARYLAND ACCESSIBILITY CODE.
3. MANUFACTURER TO VERIFY MAXIMUM FINE AMOUNT WITH LOCAL JURISDICTION.

7 ACCESSIBLE PARKING SPACE
NOT TO SCALE



NOTES:
1. SIGNS SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. COLORS:
   TEXT AND BORDER = BLACK
   BACKGROUND = WHITE

10 SERVICE VEHICLES ONLY
NOT TO SCALE



MMUTCD W4-4bP

NOTES:
1. PLACE PLAQUE BELOW STOP SIGN.
2. RAISE STOP SIGN AND PLAQUE SO THAT THE BOTTOM OF THE PLAQUE IS SET 7FT FROM FINISHED GRADE.

3 ONCOMING TRAFFIC (PLAQUE)
NOT TO SCALE



NOTES:
1. SIGN SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. SIGN LAYOUT AND COLORS TO MATCH THE REQUIREMENTS OF THE MARYLAND ACCESSIBILITY CODE.
3. MANUFACTURER TO VERIFY MAXIMUM SIGN AMOUNT WITH LOCAL JURISDICTION.

8 VAN ACCESSIBLE PARKING SPACE
NOT TO SCALE



NOTES:
1. SIGNS SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. COLORS:
   TEXT ("EV PARKING ONLY") & LOWER BACKGROUND = WHITE
   REMAINING TEXT, BORDER & UPPER BACKGROUND = GREEN

11 ELECTRIC CAR CHARGING STATION
NOT TO SCALE



MMUTCD W4-4aP

NOTES:
1. PLACE PLAQUE BELOW STOP SIGN.
2. RAISE STOP SIGN AND PLAQUE SO THAT THE BOTTOM OF THE PLAQUE IS SET 7FT FROM FINISHED GRADE.

4 TRAFFIC FROM RIGHT (PLAQUE)
NOT TO SCALE



NOTES:
1. SIGNS SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. COLORS:
   TEXT ("NO SMOKING") & PROHIBITION CIRCLE = RED
   REMAINING TEXT = BLACK
   BACKGROUND = WHITE

6 NO SMOKING
NOT TO SCALE



NOTES:
1. SIGN SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
2. SIGN LAYOUT AND COLORS TO MATCH THE REQUIREMENTS OF THE MARYLAND ACCESSIBILITY CODE.

9 NO PARKING IN ACCESS AISLE
NOT TO SCALE

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\2213-BCO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C211 SIGNAGE DETAILS.DWG 5/13/2025 10:04 AM rsw

SEAL: STATE OF MARYLAND · REGINALD S. WOLF · No. 4239 · LANDSCAPE ARCHITECT · 05/15/2025
DATE : 05/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2027
ENGINEER: PETER SOPRANO
SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 150, Cockeysville, MD 21030
410.683.3366 www.siteresourcesnc.com
DGN BY: EAM
DWN BY: L_H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

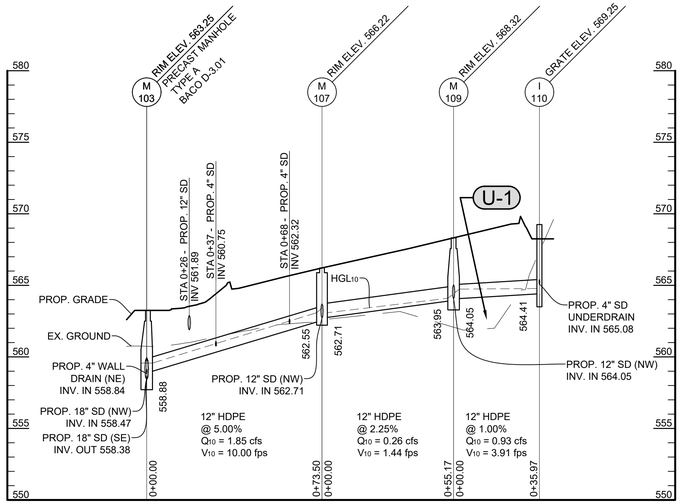
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SIGNAGE DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

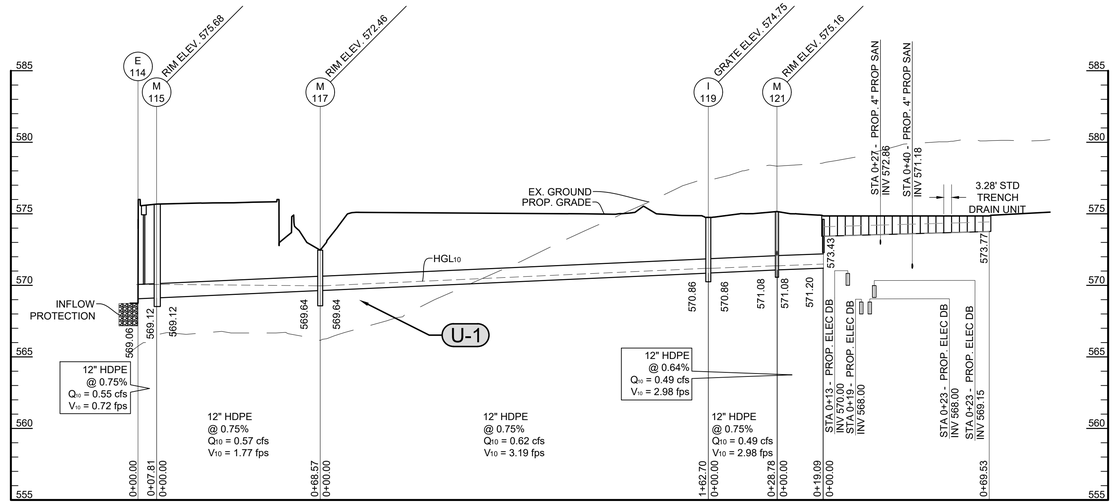
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C211	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 17 OF195	
DRAWING NUMBER	2025-0235
FILE NO.: 8	NO. 40/48

BALTIMORE COUNTY MARYLAND



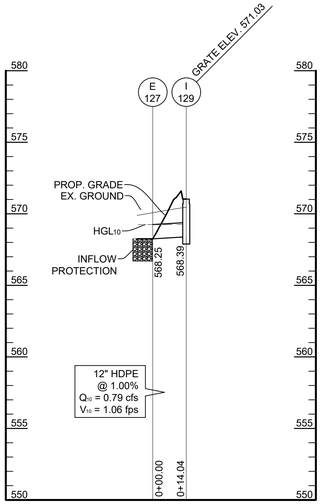
1 SD: I-110 to M-103

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



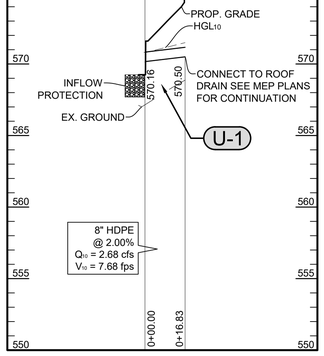
2 SD: I-125 to E-114

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



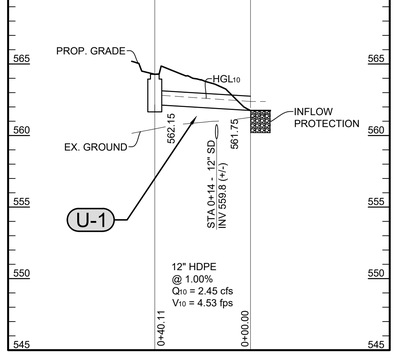
3 SD: I-129 to E-127

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



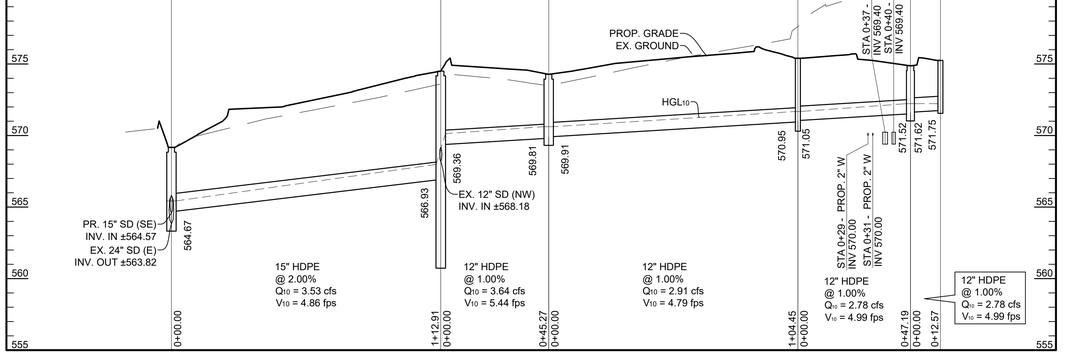
4 SD: Bldg to E-135

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



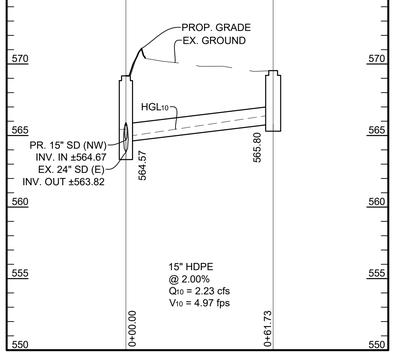
5 SD: I-133 to E-131

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



6 SD: I-217 to Ex. I-201

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



7 SD: I-202 to Ex. I-201

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'

UTILITY NOTES

U-1 PROVIDE ENGINEERED FILL COMPACTED TO 95% COMPACTION PER SPECIFICATIONS. COMPACTION SHALL BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C301 STORMDRAIN PROFILES.DWG 5/13/2025 10:04 AM rsw

SEAL

STATE OF MARYLAND — PETER SOPRANO — 21677 — PROFESSIONAL ENGINEER — 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 42977, EXPIRATION DATE 06/07/2027.
ENGINEER: PETER SOPRANO
DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	UNE	78NE11 78NE12 79NE11 79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

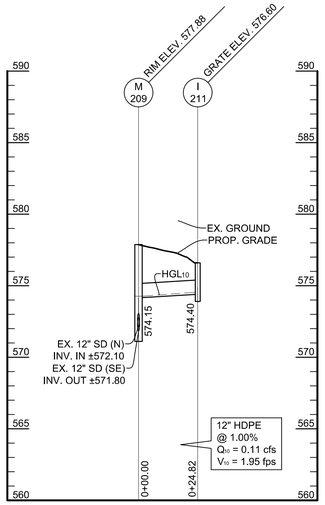
JACKSONVILLE SENIOR CENTER
STORMDRAIN PROFILES
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C301	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 18 OF195	
DRAWING NUMBER	
2025-0236	
FILE NO.: 8	REV. 00/00

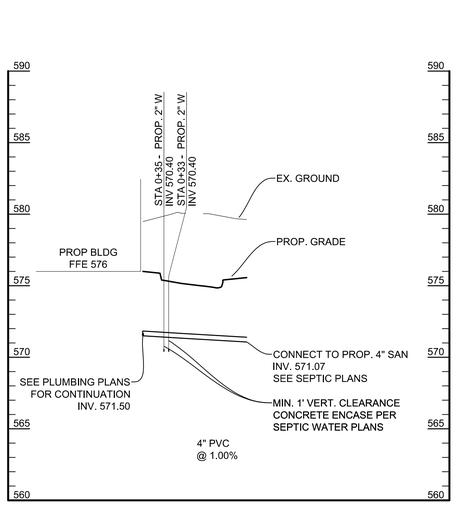
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



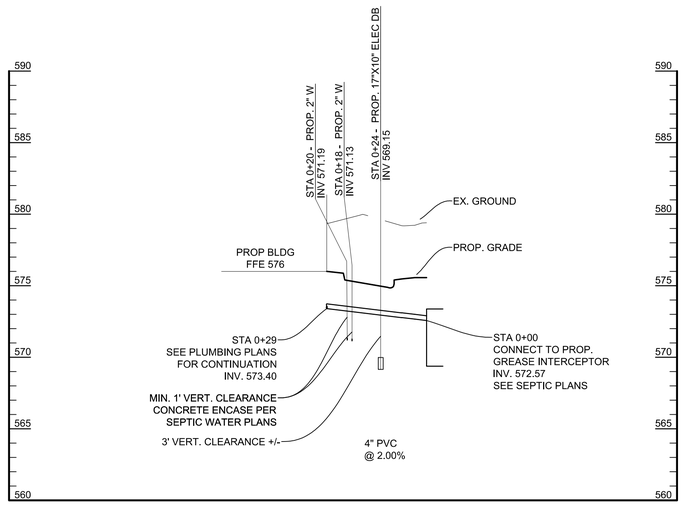
1 SD: I-211 to M-209

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



2 SAN: BUILDING TO SEPTIC

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'



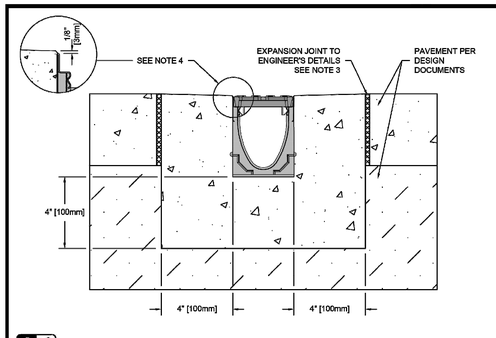
3 SAN: BUILDING TO GREASE INTERCEPTOR

SCALES: HORIZ. 1" = 30'
VERT. 1" = 5'

STORM DRAIN STRUCTURE TABLE

STRUCTURE #	STRUCTURE TYPE	TOP ELEV.	INV. IN	INV. OUT	COORDINATES
E-101	HPDE END SECTION		18" HDPE (NW) 558.02		N: 672,273.65 E: 1,437,700.04
M-103	PRECAST MANHOLE TYPE A BACO D-3.01	RIM 563.25	18" HDPE (NW) 558.47 12" HDPE (NE) 558.88 4" PVC (NE) 558.84	18" HDPE (SE) 558.38	N: 672,311.59 E: 1,437,670.57
I-105	30" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 562.25	4" PVC (NW) 558.58	18" HDPE (SE) 558.58	N: 672,321.36 E: 1,437,651.91
M-107	PRECAST MANHOLE TYPE B SHALLOW BACO D-3.01	RIM 566.22	12" HDPE (NE) 562.71 12" HDPE (NW) 562.71	12" HDPE (SW) 562.55	N: 672,376.63 E: 1,437,704.81
M-109	PRECAST MANHOLE TYPE A BACO D-3.01	RIM 568.32	12" HDPE (NE) 564.05 12" HDPE (NW) 564.05	12" HDPE (SW) 563.95	N: 672,400.67 E: 1,437,754.46
I-110	24" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 569.25	4" PVC (NE) 565.08	12" HDPE (SW) 564.41	N: 672,416.35 E: 1,437,786.84
I-111	24" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 567.25	4" PVC (NE) 563.58	12" HDPE (SE) 562.92	N: 672,395.13 E: 1,437,695.85
I-113	30" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 570.25	4" PVC (N) 566.08	12" HDPE (SE) 565.41	N: 672,418.12 E: 1,437,746.01
M-115	24" NYLOPLAST DRAIN BASIN DOME GRATE	RIM 575.68	12" HDPE (W) 569.12	12" HDPE (SE) 569.12	N: 672,429.59 E: 1,437,728.97
M-117	24" NYLOPLAST DRAIN BASIN SOLID COVER	RIM 572.46	12" HDPE (NW) 569.64	12" HDPE (E) 569.64	N: 672,415.63 E: 1,437,661.83
I-119	24" NYLOPLAST DRAIN BASIN SOLID COVER	GRATE 574.75	12" HDPE (NW) 570.86	12" HDPE (SE) 570.86	N: 672,561.10 E: 1,437,588.95
M-121	15" NYLOPLAST DRAIN BASIN SOLID COVER	RIM 575.16	12" HDPE (N) 571.08 4" PVC (NW) 572.08	12" HDPE (SE) 571.08	N: 672,586.83 E: 1,437,576.06
E-127	HDPE END SECTION	- 569.44	12" HDPE (NW) 568.25		N: 672,439.04 E: 1,437,794.75
I-129	TYPE S INLET DOUBLE GRATE TANDEM BACO D-2.19A	GRATE 574.02		12" HDPE (SE) 568.39	N: 672,451.60 E: 1,437,788.47
E-131	HDPE END SECTION	- 562.94	12" HDPE (E) 561.75		N: 672,330.04 E: 1,437,664.96
I-133	TYPE S INLET DOUBLE GRATE TANDEM BACO D-2.19A	GRATE 564.28		12" HDPE (W) 562.15	N: 672,322.51 E: 1,437,704.35
I-201	TYPE S INLET SINGLE GRATE BACO D-2.16A	GRATE 569.17	15" HDPE (S) 564.57 15" HDPE (NW) 564.67	24" RCP (E) 563.82	N: 672,447.43 E: 1,437,859.34
I-202	TYPE S INLET DOUBLE GRATE TANDEM BACO D-2.19A	GRATE 569.54		15" HDPE (N) 565.80	N: 672,388.58 E: 1,437,840.69
I-203	TYPE S INLET SINGLE GRATE BACO D-2.16B	GRATE 574.50	12" HDPE (SW) 569.36 12" RCP (NW) 568.18	15" HDPE (SE) 566.93	N: 672,548.90 E: 1,437,809.82
I-205	TYPE S INLET SINGLE GRATE BACO D-2.16A	GRATE 574.27	12" HDPE (NW) 569.91	12" HDPE (NE) 569.81	N: 672,529.05 E: 1,437,769.14
I-211	24" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 576.60		12" HDPE (SE) 574.40	N: 672,666.15 E: 1,437,737.51
I-213	24" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 575.40	12" HDPE (NW) 571.05	12" HDPE (SE) 570.95	N: 672,616.05 E: 1,437,711.33
I-215	TYPE S INLET DOUBLE GRATE TANDEM BACO D-2.19A	GRATE 574.87	12" HDPE (N) 571.62	12" HDPE (SE) 571.52	N: 672,655.21 E: 1,437,685.00
I-217	24" NYLOPLAST DRAIN BASIN DOME GRATE	GRATE 575.25		12" HDPE (S) 571.75	N: 672,667.10 E: 1,437,689.06
I-219	TYPE S INLET DOUBLE GRATE TANDEM BACO D-2.19A*	GRATE 585.00			N: 672,883.71 E: 1,437,717.32

*NOTE I-219 WILL HAVE BASE CAST IN PLACE WITH A DOG HOUSE RISER TO ACOMMODATE EXISTING 12" PVC AS OUTLET



SPECIFICATION CLAUSE

K100 KLASSIKDRAIN 'DRAINLOK' LOAD CLASS A

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K100 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

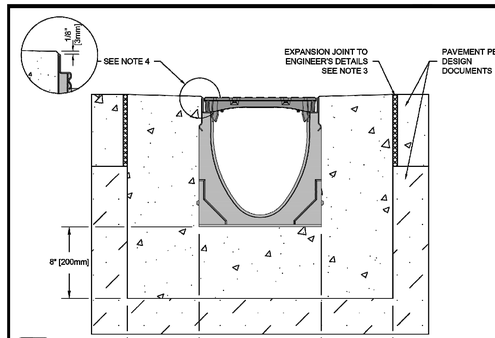
K1D-A-ECP DATE: 08/16/17	K100 - KLASSIKDRAIN - LOAD CLASS: A Exposed Concrete Pavement INSTALLATION DRAWING - ACO DRAIN	**ACO Polymer Products, Inc.** 825 W. Beechcraft St, Casa Grande, AZ 85122, Tel: 520-421-9898, Fax: 520-421-9899 9470 Pinecone Dr, Mentor, OH 44060, Tel: 440-639-7230, Fax: 440-639-7235 4211 Pleasant Rd, Fort Mill, SC 29708, Tel: 440-639-7230, Fax: 803-802-1083

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 800-543-4764

4 4" TD SECTION - CLASS A PEDESTRIAN LOADING

NOTE: OR APPROVED EQUAL

NOT TO SCALE



SPECIFICATION CLAUSE

K200 KLASSIKDRAIN 'DRAINLOK' LOAD CLASS C

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K200 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 8" (200mm) NOMINAL INTERNAL WIDTH WITH A 10.2" (260mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

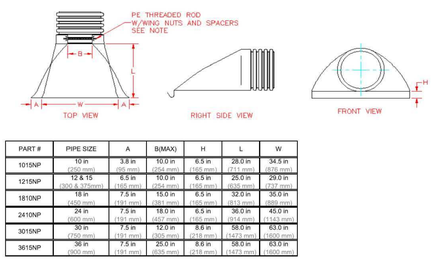
K2D-C-ECP DATE: 08/17/16	K200 - KLASSIKDRAIN - LOAD CLASS: C Exposed Concrete Pavement INSTALLATION DRAWING - ACO DRAIN	**ACO Polymer Products, Inc.** 825 W. Beechcraft St, Casa Grande, AZ 85122, Tel: 520-421-9898, Fax: 520-421-9899 9470 Pinecone Dr, Mentor, OH 44060, Tel: 440-639-7230, Fax: 440-639-7235 4211 Pleasant Rd, Fort Mill, SC 29708, Tel: 440-639-7230, Fax: 803-802-1083

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 800-543-4764

5 8" TD SECTION - CLASS C HEAVY LOADING

NOTE: OR APPROVED EQUAL

NOT TO SCALE



PART #	PIPE SIZE	A	B(MAX)	H	L	W
1015NP	10 in (250 mm)	3.8 in (96 mm)	10.0 in (254 mm)	6.5 in (165 mm)	28.0 in (711 mm)	34.5 in (876 mm)
1215NP	12 & 15 (300 & 375mm)	6.5 in (165 mm)	10.0 in (254 mm)	6.5 in (165 mm)	25.0 in (635 mm)	29.0 in (737 mm)
1810NP	18 in (450 mm)	7.5 in (191 mm)	15.0 in (381 mm)	6.5 in (165 mm)	32.0 in (813 mm)	36.0 in (915 mm)
2410NP	24 in (600 mm)	7.5 in (191 mm)	18.0 in (457 mm)	6.5 in (165 mm)	36.0 in (914 mm)	40.0 in (1143 mm)
3015NP	30 in (750 mm)	7.5 in (191 mm)	12.0 in (305 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)
3615NP	36 in (900 mm)	7.5 in (191 mm)	25.0 in (635 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)

6 HDPE END SECTION

BASIS OF DESIGN: ADS
NOTE: OR APPROVED EQUAL

NOT TO SCALE

SEAL

STATE OF MARYLAND — PETER SOPRANO — 42977 — PROFESSIONAL ENGINEER

05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2027.
ENGINEER: PETER SOPRANO
SITERESOURCES — Creative Design. Sustainably Engineered.
4 North Park Drive, Suite 150, Cockeysville, MD 21030
410.683.3368 www.siteresourcesinc.com

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NE11
			R.O.W NO.		78NE12
					79NE11
CONTRACT COMPLETION BOX					79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY:	EAM
DWN BY:	L. H
CHKD BY:	RSW/KPR

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
UTILITY PROFILES
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

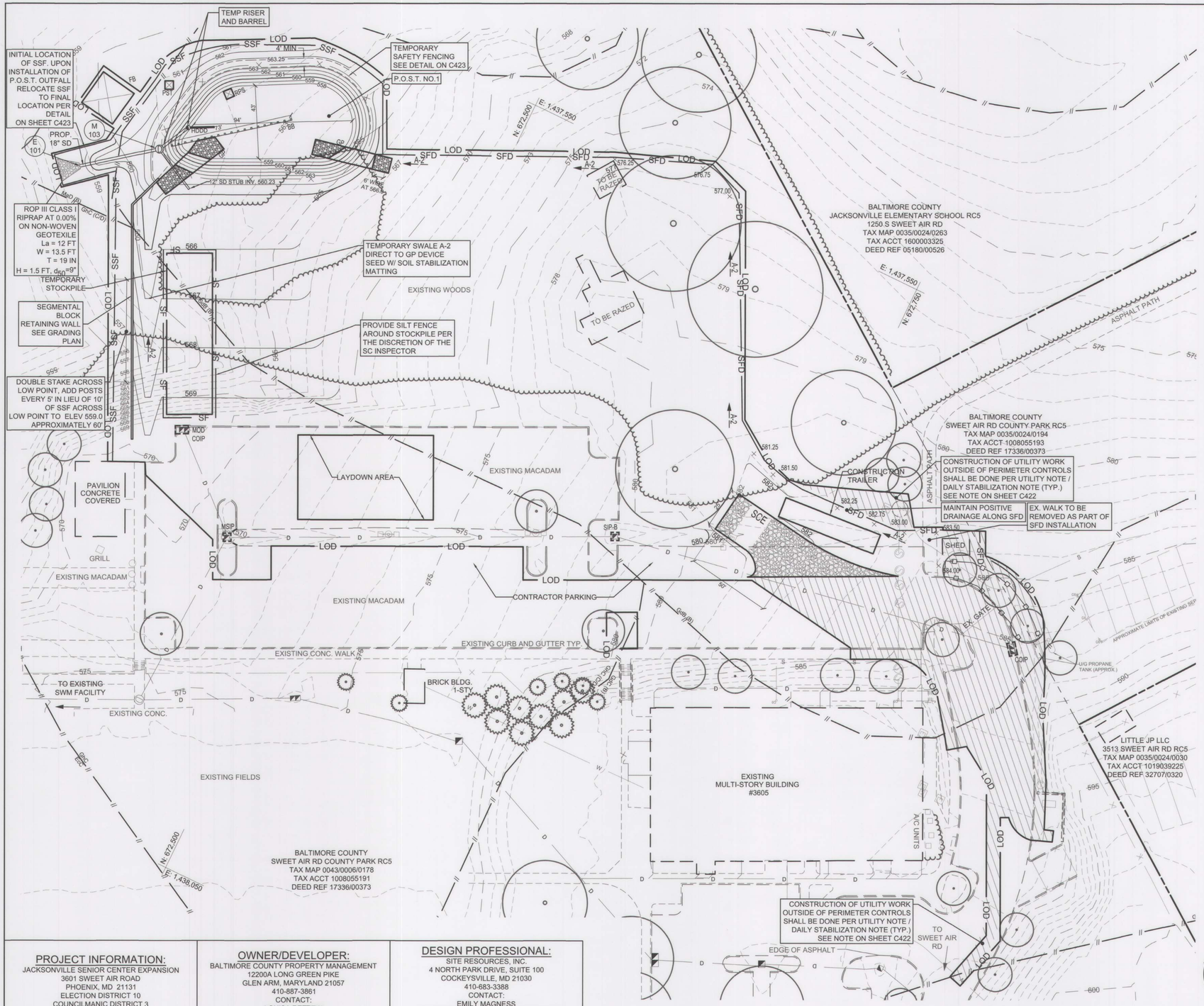
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C302	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 19 OF 195	
DRAWING NUMBER	
2025-0237	
FILE NO.: 8	REV. 00/00

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C301 STORMDRAIN PROFILES.DWG 5/13/2025 10:04 AM RSW

BID DOCUMENTS 5/15/2025



ESC NOTES

1. CONTRACTOR TO ENSURE MINIMUM 0.5% SLOPE ALONG SUPER FENCE DIVERSION.
2. CONTRACTOR TO PROVIDE FLOW DIVERSION AROUND SEDIMENT TRAPS TO GP USING SUPER FENCE DIVERSION.

PIPE OUTLET SEDIMENT TRAP NO.1

DRAINAGE AREA - INITIAL	0.89 AC
DRAINAGE AREA - INTERIM	3.87 AC
DRAINAGE AREA - FINAL	1.62 AC
TOTAL STORAGE REQUIRED	13,932 CF
TOTAL STORAGE PROVIDED	14,957 CF
WET STORAGE REQUIRED	6,966 CF
WET STORAGE PROVIDED	7,373 CF
DRY STORAGE REQUIRED	6,966 CF
DRY STORAGE PROVIDED	7,584 CF
TRAP BOTTOM ELEVATION	558.00 FT
TRAP BOTTOM DIMENSIONS	43 FT x 94 FT
RISER CREST (DRY STORAGE) ELEVATION	561.25 FT
OUTLET (WET STORAGE) ELEVATION	559.75 FT
CLEANOUT ELEVATION	558.75 FT
TOP OF EMBANKMENT ELEVATION	563.25 FT
SIDE SLOPE	2:1
EMBANKMENT TOP WIDTH	4 FT
RISER DIAMETER	36 IN
BARREL DIAMETER	18 IN
TRASH RACK DIAMETER	54 IN
TRASH RACK HEIGHT	25 IN
BAFFLE LENGTH	73 FT
BAFFLE TOP ELEVATION	560.50 FT
EX. GROUND ALONG CL OF EMBANKMENT	560.60 FT

FOREST DISTURBANCE NOTE

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, OR DISTURBANCE OF VEGETATION IN ANY FOREST CONSERVATION AREA OR FOREST BUFFER PROTECTION AREA EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.

FOREST CONSERVATION VARIANCE NOTE

A VARIANCE (TRACKING #03-24-4191) WAS GRANTED BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY TO ALLOW IMPACT TO TWO (2) SPECIMEN TREES. CONDITIONS WERE PLACED ON THIS VARIANCE TO ENSURE THAT THE SPIRIT AND INTENT OF THE FOREST CONSERVATION LAW ARE MET.

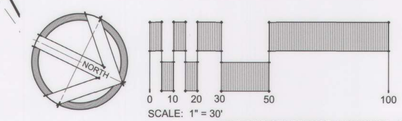
SURVEY NOTES

TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING SOURCES:
1. A SURVEY PLAN ENTITLED "PARTIAL BOUNDARY AND TOPOGRAPHIC SURVEY OF THE JACKSONVILLE RECREATION CENTER," PROVIDED BY DIETZ SURVEYING AND DATED 2/27/2024.
2. CONTOUR ELEVATIONS WITHIN THE WOODED AREA WERE SURVEYED IN 2007 BY GERHOLD, CROSS AND ETZEL.
3. BALTIMORE COUNTY GIS.

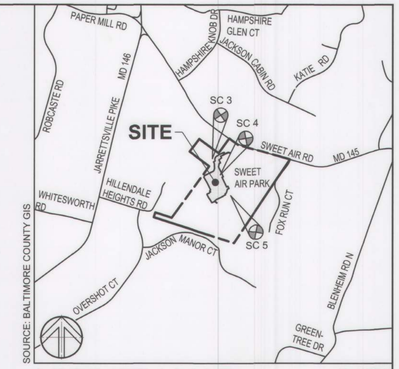
ALL HORIZONTAL SURVEY DATA ARE REFERENCED TO THE FOLLOWING SURVEY CONTROL POINTS:

SITE CONTROL COORDINATE TABLE				
PT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
SC 3	672867.8670	1437652.7200	583.17	B+C SET
SC 4	672643.2630	1437764.1350	578.66	B+C SET
SC 5	672352.0530	1437908.4870	568.89	B+C SET

Baltimore County Soil Conservation District
APPROVED FOR SEDIMENT CONTROL 2-27-25
Date
Jeffrey P. West 029-1412-25
DISTRICT OFFICIAL Plan No.
Technical Review for the District by:
Stuart Darley
This plan approval will expire three (3) years from the approval date.



LIMIT OF DISTURBANCE: 119,529 SF / 2.74 AC
MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88



VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- D — EXISTING STORM DRAIN
- W — EXISTING WATER
- S — EXISTING SANITARY SEWER
- EXISTING PROPANE TANK
- T — EXISTING TELEPHONE
- E — EXISTING ELECTRIC
- EXISTING LIGHTING
- 350 — EXISTING CONTOURS
- 348 — EXISTING SOIL GROUP DELINEATION (UtD / GnG)
- LOD — LIMIT OF DISTURBANCE
- A-1 — SFD — SUPER FENCE DIVERSION
- SSF — SUPER SILT FENCE
- MIP — MEDIAN; COIP — COMBINATION
- AGIP — AT GRADE; MSIP — MEDIAN SUMP
- MOD COIP — COMBINATION; SIP-B — STANDARD
- INLET PROTECTION
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- TREE PROTECTION FENCE
- PST SP — PORTABLE SEDIMENT TANK / SUMP PIT
- GP — GABION INFLOW PROTECTION
- BB — BASIN BAFFLE
- RPS — REMOVABLE PUMPING STATION
- FB — FILTER BAG
- 350 / 348 — PROPOSED CONTOURS

ESC SHEET 1 OF 6

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL — DATE: 2/28/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977 EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES — Creative Design. Successfully Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com
DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	UNE	78NE11 78NE12 79NE11 79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

SUBDIVISION: JACKSONVILLE

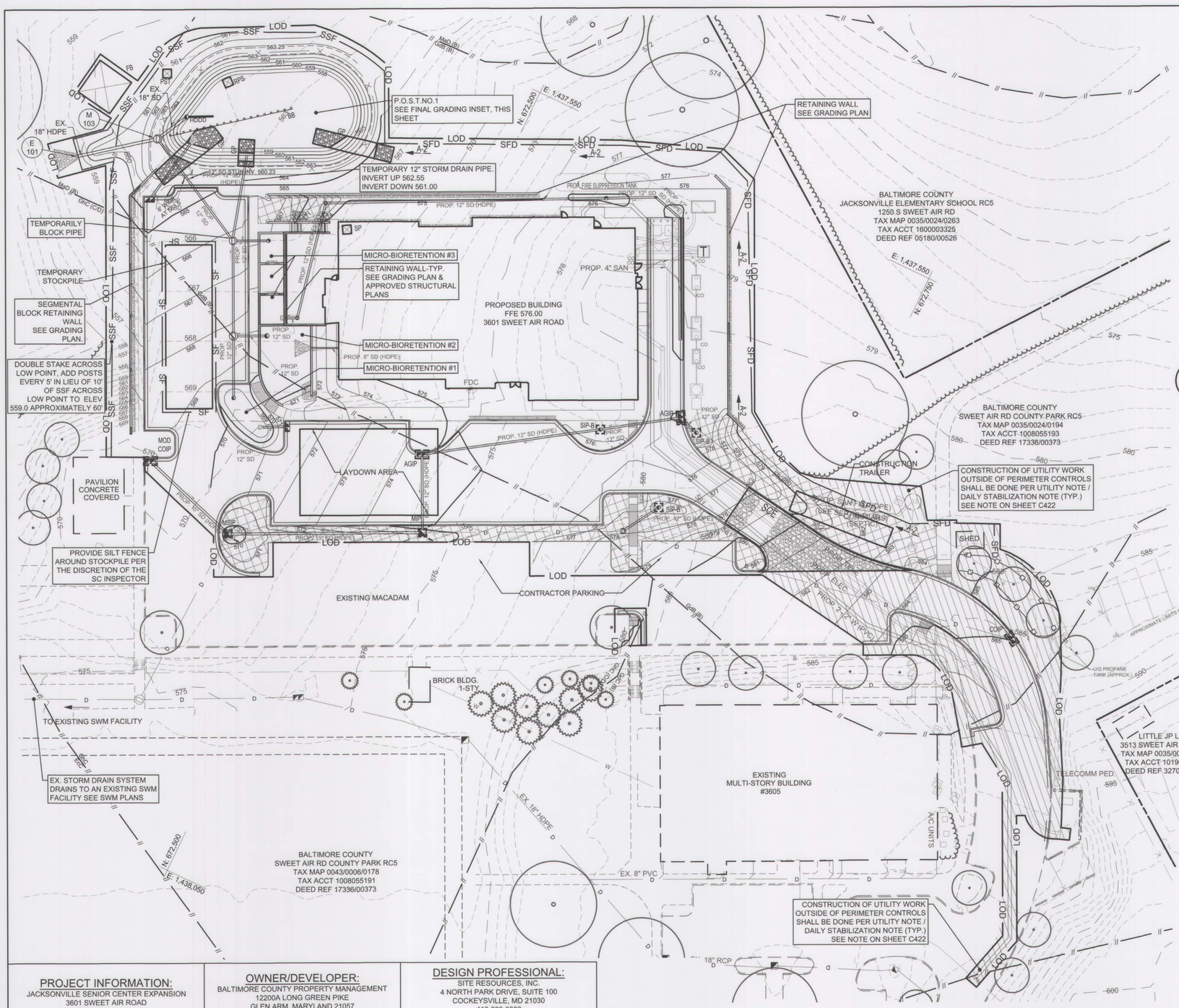
JACKSONVILLE SENIOR CENTER
EXISTING CONDITIONS ESC PLAN
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

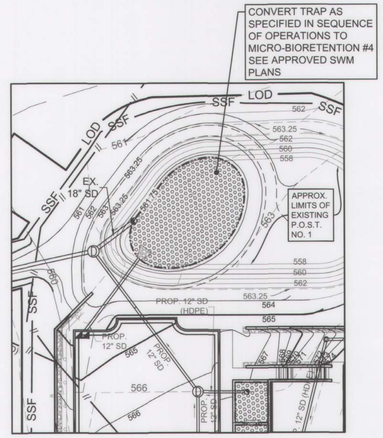
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C401	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 20 OF 195	
DRAWING NUMBER	2025-0238
FILE NO.: 8	

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C401 EXISTING ESC PLAN.DWG 2/21/2025 12:04 PM L.h.

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025





1 FINAL GRADING INSET- P.O.S.T. #1
ALSO SEE SHEET C532 SCALE: 1"=30'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN (D)
- EXISTING WATER (EX. W)
- EXISTING SANITARY SEWER (EX. SAN S)
- EXISTING PROPANE TANK
- EXISTING TELEPHONE (EX. TELE T)
- EXISTING ELECTRIC (E)
- EXISTING LIGHTING
- EXISTING CONTOURS (350 / 348)
- EXISTING SOIL GROUP DELINEATION (UtD / GnG)
- LIMIT OF DISTURBANCE (LOD)
- SUPER FENCE DIVERSION (SFD, A-1)
- SUPER SILT FENCE (SSF)
- INLET PROTECTION: MIP MEDIAN, COIP COMBINATION, AGIP AT GRADE, MSIP MEDIAN SUMP, MOD COIP COMBINATION, SIP-B STANDARD
- STABILIZED CONSTRUCTION ENTRANCE (SCE)
- TREE PROTECTION FENCE
- PORTABLE SEDIMENT TANK / SUMP PIT (PST, SP)
- GABION INFLOW PROTECTION (GP)
- BASIN BAFFLE (BB)
- SOIL STABILIZATION MATTING
- DAILY STABILIZATION
- PROPOSED CONTOURS (350 / 348)
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED STORM DRAIN (PROP. 15" SD)
- PROPOSED WATER (PROP. 6" WATER)
- PROPOSED SANITARY SEWER (PROP. 8" SAN)
- PROPOSED SANITARY FORCE MAIN (PROP. FM)
- PROPOSED TELECOMMUNICATIONS (PROP. TELECOM)
- PROPOSED ELECTRIC (PROP. ELEC)

NOTE: FOR ADDITIONAL LEGEND ITEMS SEE SHEET C401

Baltimore County Soil Conservation District
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West 2-27-25
Date

NORTH

0 10 20 30 50 100
SCALE: 1" = 30'

ESC SHEET 2 OF 6

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977 EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com
DATE: 2/26/25

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NE11
			R.O.W NO.		78NE12
					79NE11
CONTRACT COMPLETION BOX					79NE12

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: EAM
DWN BY: L_H
CHKD BY: RSW/KPR

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
PROPOSED CONDITIONS ESC PLAN
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C411	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 21 OF 195	
DRAWING NUMBER	
2025-0239	
FILE NO.: 8	

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C411 PROPOSED ESC PLAN.DWG 2/21/2025 12:06 PM L_h

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS

DEFINITION
THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.

PURPOSE
TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH.

CONDITIONS WHERE PRACTICE APPLIES
WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED.

CRITERIA
A. SOIL PREPARATION
1. TEMPORARY STABILIZATION
   a. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE.
   b. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.
   c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
2. PERMANENT STABILIZATION
   a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
   i. SOIL PH BETWEEN 6.0 AND 7.0.
   ii. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM).
   iii. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE.
   iv. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
   v. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
   b. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
   c. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
   d. APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
   e. MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.

B. TOPSOILING
1. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.
2. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-NRCS.
3. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
   a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
   b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
   c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
   d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
4. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN.
5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA:
   a. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL MUST NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1½ INCHES IN DIAMETER.
   b. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
   c. TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
6. TOPSOIL APPLICATION
   a. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL.
   b. UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
   c. TOPSOIL MUST NOT BE PLACED IF THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY. SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.
2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER.
3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A #20 MESH SIEVE.
4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
5. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

DEFINITION
THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.

PURPOSE
TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION.

CONDITIONS WHERE PRACTICE APPLIES
TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA NOT UNDER ACTIVE GRADING.

CRITERIA
A. SEEDING
1. SPECIFICATIONS
   a. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED MUST BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. ALL SEED USED MUST HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED. SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VERIFY TYPE OF SEED AND SEEDING RATE.
   b. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS.
   c. INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALLY FOR THE SPECIES. INOCULANTS MUST NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75 TO 80 DEGREES FAHRENHEIT CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE.
   d. SOD OR SEED MUST NOT BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
2. APPLICATION
   a. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.
   i. INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, OR SITE-SPECIFIC SEEDING SUMMARIES.
   ii. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION. ROLL THE SEEDED AREA WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT.
   b. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL.
   i. CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.
   ii. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
   c. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER).
   i. IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE TOTAL OF SOLUBLE NITROGEN; P2O5 (PHOSPHOROUS), 200 POUNDS PER ACRE; K2O (POTASSIUM), 200 POUNDS PER ACRE.
   ii. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.
   iii. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT INTERRUPTION.
   iv. WHEN HYDROSEEDING DO NOT INCORPORATE SEED INTO THE SOIL.

B. MULCHING
1. MULCH MATERIALS (IN ORDER OF PREFERENCE)
   a. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY. NOTE: USE ONLY STERILE STRAW MULCH IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.
   b. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE.
   i. WCFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY.
   ii. WCFM, INCLUDING DYE, MUST CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS.
   iii. WCFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND MUST COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.
   iv. WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.
   v. WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH OF APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER HOLDING CAPACITY OF 90 PERCENT MINIMUM.
2. APPLICATION
   a. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
   b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. APPLY MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE THE APPLICATION RATE TO 2.5 TONS PER ACRE.
   c. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MIXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
3. ANCHORING
   a. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND EROSION HAZARD:
   i. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, THIS PRACTICE SHOULD FOLLOW THE CONTOUR.
   ii. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
   iii. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED. FOLLOW APPLICATION RATES AS SPECIFIED BY THE MANUFACTURER. APPLICATION OF LIQUID BINDERS NEEDS TO BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF ASPHALT BINDERS IS STRICTLY PROHIBITED.
   iv. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO 3,000 FEET LONG.

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

DEFINITION
TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

PURPOSE
TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES
EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

CRITERIA
1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED, THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN.
2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING.
3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B AND MAINTAIN UNTIL THE NEXT SEEDING SEASON.

TEMPORARY SEEDING SUMMARY

HARDINESS ZONE 7A					
SPECIES	APPLICATION RATE (LBS./AC.)	SEEDING DATES	SEEDING DEPTH	FERTILIZER RATE (10-20-20)	LIME RATE
ANNUAL RYEGRASS	40 LBS./AC.	2/15 - 4/30 8/15 - 11/30	½"	436 LB./AC. (10 LB./1000 S.F.)	2 TONS/AC. (90 LB./1000 S.F.)
FOXTAIL MILLET	30 LBS./AC.	5/1 - 8/14	½"		

SEE SHEET ESC 4 OF 6 (C422) FOR CONTINUATION OF VEGETATIVE STABILIZATION SPECIFICATIONS.

OWNER'S/DEVELOPER'S CERTIFICATION:

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.

JM Doran — SIGNATURE OF OWNER/DEVELOPER — 1/21/2025 — DATE

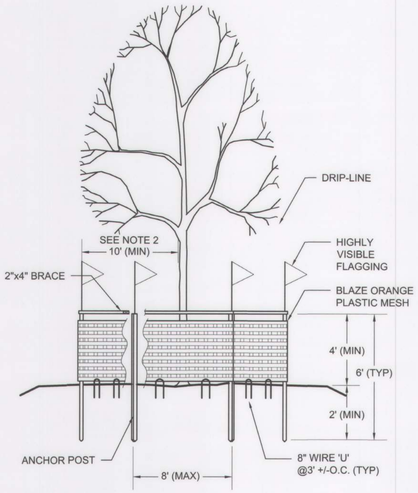
Gregory M. Doran — PRINT NAME — Chief of Capital Construction — TITLE

CONSULTANT'S CERTIFICATION:

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT AND THE CURRENT STATE OF MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

SIGNATURE — DATE 2/26/25

PETER SOPRANO — PRINT NAME — 42977 — MD LICENSE NUMBER



1. Tree protection fence shall be blaze orange plastic mesh with anchor posts. Anchor posts shall be minimum 2" steel 'U' channel or 'T' post, 6' in length, spaced 8' O.C. (maximum) marked with highly visible flagging. Anchor posts must be installed to a depth of no less than 1/3 of the total height of the post. Use 2" x 4" lumber for cross bracing along top of fence. Use 8" wire 'U' to secure fence bottom.
2. Place fence as shown on plan, at dripline around trees with greater than 20' spread. For smaller trees, place fence 10' (minimum) from trunk.
3. Root damage should be avoided during installation of anchor posts and fence.
4. Place protection signage in accordance with State and local requirements.
5. No construction equipment, materials or excavated earth permitted inside tree protection fences.
6. Maintain tree protection devices throughout construction.
7. This fence is a tree protection device only.

1 TREE PROTECTION FENCE

NOT TO SCALE

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

Baltimore County Soil Conservation District
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West 2-27-25
Date

ESC SHEET 3 OF 6

SEAL — DATE: 2/26/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977 EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NE11
			R.O.W NO.		78NE12
					79NE11
CONTRACT COMPLETION BOX					79NE12

DRAWING SCALE		PROPERTY MANAGEMENT
PLAN SCALE:	AS SHOWN	APPROVED BY: PROPERTY MANAGER
PROFILE SCALE:		DATE:

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
EROSION & SEDIMENT CONTROL NOTES I
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C421	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 22 OF 195
	DRAWING NUMBER
	2025-0240
	FILE NO.: 8

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: © SITE RESOURCES, INC. 2:\JOB\2021\3-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C421 ESC DETAILS.DWG 2/25/2025 12:07 PM L.H.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

DEFINITION
TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

PURPOSE
TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES
EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

CRITERIA

A. SEED MIXTURES
1. GENERAL USE
   a. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.
   b. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 - CRITICAL AREA PLANTING.
   c. FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY.
   d. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3 ½ POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY.
2. TURFGRASS MIXTURES
   a. AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.
   b. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.
      i. KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE INTENSIVE MANAGEMENT. IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND AND EASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUEGRASS CULTIVARS SEEDING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
      ii. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE MEDIUM TO INTENSIVE MANAGEMENT. CERTIFIED PERENNIAL RYEGRASS CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
      iii. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT-PRONE AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL SUN TO MEDIUM SHADE. RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE BLENDED.
      iv. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED TURF AREA. MIXTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT. SEEDING RATE: 1½ TO 3 POUNDS PER 1000 SQUARE FEET.

   NOTES:
   SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, TURFGRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND."

   CHOOSE CERTIFIED MATERIAL. CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC LINE.

c. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES WESTERN MD: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES: 5B, 6A) CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 6B) SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONES: 7A, 7B)
d. TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE STONES AND DEBRIS OVER 1 1/2 INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY.
e. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES.

PERMANENT SEEDING SUMMARY

HARDINESS ZONE 7A					FERTILIZER RATE (10-20-20)			LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES ****	SEEDING DEPTHS	N	P_2O_5	K_2O	
***	TALL FESCUE*	285 LB/AC**	2/15 - 4/30 8/15 - 10/31	1/4" - 1/2"	45 LB/AC (1.0 LB/ 1000SF)	90 LB/AC (2 LB/ 1000 SF)	90 LB/AC (2 LB/ 1000 SF)	2 TONS/AC (90LB/ 1000 SF)
	KENTUCKY BLUEGRASS*	15 LB/AC	2/15 - 4/30 8/15 - 10/31	1/4" - 1/2"				

* SELECT TURFGRASS VARIETIES FROM THOSE LISTED AS ELIGIBLE "RECOMMENDED VARIETIES" CONTAINED IN THE CURRENT "MARYLAND TURFGRASS VARIETY LIST" PUBLISHED BY THE STATE OF MARYLAND, DEPARTMENT OF AGRICULTURE (MDA), TURF & SEED ADMINISTRATION.
** FOR TALL FESCUE CHOOSE 3 PROVEN CULTIVARS TO BE USED IN EQUAL PROPORTIONS IN THE SEED MIX.
*** SEE 2011 MD STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL, SECTION B-4-5, PARAGRAPH A.2.B.III FOR TURFGRASS MIXTURE AND RATE AND PARAGRAPH A.2.C FOR TURFGRASS SEEDING DATES.
**** FOR THE PERIOD 5/1 TO 8/14 ADD 5% (BY WEIGHT) OF THE SEEDING RATE LISTED ABOVE OF FOXTAIL MILLET AS A NURSE CROP TO THE PERMANENT SEED MIX.

B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).
1. GENERAL SPECIFICATIONS
   a. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.
   b. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF ¾ INCH, PLUS OR MINUS ¼ INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
   c. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
   d. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
   e. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL SCIENTIST PRIOR TO ITS INSTALLATION.
2. SOD INSTALLATION
   a. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL, LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD.
   b. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.
   c. WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE UNDERLYING SOIL SURFACE.
   d. WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT HOURS.
3. SOD MAINTENANCE
   a. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO PREVENT WILTING.
   b. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT.
   c. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

GENERAL NOTES
(FOR EROSION AND SEDIMENT CONTROL PLANS ONLY)

1. REFER TO "*2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL*" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
2. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
3. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
4. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: A.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN
5. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
6. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO "*2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL*", PG. H.22, FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
7. ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
8. EXCESS CUT OR BORROW MATERIAL SHALL GO TO, OR COME FROM, RESPECTIVELY, A SITE WITH AN OPEN GRADING PERMIT AND APPROVED SEDIMENT CONTROL PLAN.
9. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE: REFER TO "*MARYLAND'S GUIDELINES TO WATERWAY CONSTRUCTION*" BY THE WATER MANAGEMENT ADMINISTRATION OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, REVISED NOVEMBER, 2000, FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.
10. PUMPING SEDIMENT LADEN WATER INTO THE WATERS OF THE STATE IS STRICTLY PROHIBITED. ANY PORTABLE DEWATERING DEVICE MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE.
11. UPON INSTALLATION OF THE BASE PAVEMENT AND AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR RELOCATE THE STABILIZED CONSTRUCTION ENTRANCE(S) AND INSTALL ADDITIONAL CONTROL MEASURES (STABILIZED CONSTRUCTION ENTRANCES, SILT FENCES, SUPER SILT FENCES) AS NEEDED TO CONTROL SEDIMENT RUNOFF FROM DISTURBED AREAS. THE ADDITIONAL CONTROLS MUST NOT ALTER DRAINAGE PATTERNS.

MAINTENANCE NOTE
CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.

UTILITY NOTE:
1. CONTRACTOR SHOULD OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWNSLOPE) OF THE TRENCH.
2. PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
3. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.

TEMPORARY STOCKPILE NOTE
TEMPORARY STOCKPILES SHALL BE:
1. LOCATED WITHIN THE LIMIT OF DISTURBANCE (LOD).
2. DRAIN TO A FUNCTIONING SEDIMENT CONTROL DEVICE.
3. POSITIONED TO NOT IMPEDE UPON, OR IMPAIR THE FUNCTION OF SAID DEVICES.
4. POSITIONED TO NOT ALTER DRAINAGE DIVIDES.

DAILY STABILIZATION NOTE
CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY.
STABILIZATION SHALL BE AS FOLLOWS:
1. FOR AREAS TO BE PAVED, THE APPLICATION OF STONE BASE.
2. FOR AREAS TO BE VEGETATIVELY STABILIZED:
   a. PERMANENT SEED AND SOIL STABILIZATION MATTING OR SOD FOR ALL STEEP SLOPES, CHANNELS OR SWALES.
   b. PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.

ANY AREAS WHICH CAN NOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWNSIDE SLOPE.

INLET PROTECTION NOTE
THE CONTRACTOR IS REQUIRED TO INSTALL INLET PROTECTION ON ALL STORM DRAIN INLETS WITH THE EXCEPTION OF THE FOLLOWING:

*1. ANY INLET OUTFALLING DIRECTLY INTO A SEDIMENT TRAPPING DEVICE.
2. INLETS ON PRIVATE OR PUBLIC PAVED ROADWAYS OPEN TO THE PUBLIC.

ALL INLET PROTECTION WILL BE INSTALLED AS DIRECTED BY THE INSPECTOR IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PAGE E.23 (OR AS MAY BE AMMENDED). THE REMOVAL OF ANY INLET PROTECTION DEVICES WILL REQUIRE APPROVAL FROM THE INSPECTOR.

*STORM DRAINS TO BE FLUSHED PRIOR TO TRAPPING DEVICE REMOVAL.

TRAP/BASIN FLOW DIVERSION NOTE:
TO PREVENT SLOPE EROSION, WITHIN SEDIMENT TRAPPING DEVICES, ADEQUATELY SIZED AND STABILIZED FLOW DIVERSION MEASURES (I.E. EARTH DIKE, TEMPORARY SWALE, PERIMETER DIKE/SWALE, SUPER FENCE DIVERSION, ETC.) SHALL BE INSTALLED AT THE UPSLOPE EXTENT OF TRAP, AND BASIN STORAGE AREAS TO DIVERT ALL FLOWS TO APPROPRIATE INFLOW PROTECTION DEVICES. THESE MEASURES WILL BE LOCATED BY THE CONTRACTOR AND THEREFORE NOT SHOWN ON THE PLAN VIEW.

SEQUENCE OF OPERATIONS
1. ALL REQUIRED STATE, FEDERAL AND LOCAL PERMITS MUST BE OBTAINED PRIOR TO THE PRECONSTRUCTION MEETING.
2. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS APPROVALS & INSPECTIONS, SEDIMENT CONTROL (PAI-SC), 410-887-3226 AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
3. IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE (HVF) SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD), WHERE THE LOD IS WITHIN 50 FEET OF THE FOREST BUFFER / CONSERVATION EASEMENT. THIS SHALL BE COMPLETED BY AND INSPECTED AT THE PRE-CONSTRUCTION MEETING.
4. CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST THREE DAYS IN ADVANCE OF STARTING WORK SHOWN ON PLANS.
5. CLEAR AND GRUB FOR SEDIMENT & EROSION CONTROL MEASURES AND DEVICES ONLY.
6. INSTALL ALL SEDIMENT & EROSION CONTROL MEASURES AND DEVICES. SEE SHEET C401.
   A. STABILIZED CONSTRUCTION ENTRANCE
   B. PERIMETER SUPER SILT FENCE. PROVIDE DOUBLE STAKED SSF (POSTS EVERY 5FT) WHERE NOTED.
   C. INLET PROTECTIONS ON EXISTING INLETS
   D. PIPE OUTLET SEDIMENT TRAP NO. 1 (REMOVE TREES AS REQUIRED)
      D.1. BEGIN ROUGH GRADING FOR POST NO. 1*
      D.2. INSTALL PIPE OUTLET SYSTEM FROM E101 TO TEMPORARY RISER AND 12" STUB. SEE PROFILE & DETAILS ON SHEET C424. SEE APPROVED SWM PLANS. ADJUST SSF AT OUTFALL IN ACCORDANCE WITH THE FILTER FENCE OUTFALL PROTECTION DETAIL.
      D.3. REMOVABLE PUMPING STATION & FILTER BAG
      D.4. BAFFLE BOARD
      D.5. FINE GRADE TRAP SLOPES & INSTALL GABION INFLOW PROTECTIONS (2)
      D.6. HORIZONTAL DRAWDOWN DEVICE W/ ANCHORS.
      D.7. COMPLETE EMBANKMENT GRADING & INSTALL TEMPORARY SAFETY FENCING.
      D.8. UPON COMPLETION OF P.O.S.T. NO. 1, AND WITH PERMISSION OF THE S.C. INSPECTOR, INSTALL THE SUPER FENCE DIVERSION & TIE INTO THE GABION INFLOW PROTECTION. CONNECT SSF TO SFD.

   *EXCAVATED MATERIAL FROM P.O.S.T.NO. 1 TO BE STOCKPILED FOR FUTURE USE IN BACKFILL OPERATIONS DURING CONVERSION TO SWM FACILITY. STOCKPILE AREA AND CONTRACTORS DESIGNATED STAGING AREA MUST BE PROVIDED PRIOR TO COMMENCING WORK. STABILIZE ALL STOCKPILES.
7. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL, UPON COMPLETION OF SAID INSTALLATION. A PARTIAL AS-BUILT MUST BE SUBMITTED FOR DUAL PURPOSE SEDIMENT BASINS AND MODIFIED PIPE OUTLET SEDIMENT TRAPS TO BALTIMORE COUNTY DEPS SWM AND PAI SEDIMENT CONTROL INSPECTION DEPARTMENT FOR REVIEW. THIS AS-BUILT MUST BE APPROVED BY THE SEDIMENT CONTROL INSPECTION DEPARTMENT PRIOR TO PROCEDING TO THE NEXT SEQUENCE STEP.
8. WITH THE APPROVAL OF BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB SITE AREA ASSOCIATED WITH THE INSTALLATION OF THE SEGMENTAL BLOCK RETAINING WALL LOCATED AT THE SE PORTION OF THE SITE.
9. INSTALL THE SEGMENTAL BLOCK RETAINING WALL IN ACCORDANCE WITH THE APPROVED STRUCTURAL PLANS. INSTALLATION SHOULD BE SUPERVISED BY A GEOTECHNICAL ENGINEER, AS THE FILL OPERATION REACHES THE FINISHED GRADE, INSTALL A TEMPORARY SWALE TO DIRECT FLOWS TO THE P.O.S.T. NO. 1 GABION INFLOW PROTECTION POINT. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL UPON COMPLETION OF SAID INSTALLATION.
10. WITH THE APPROVAL OF BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL AND THE SEDIMENT CONTROL INSPECTOR, BEGIN REMAINING DEMOLITION TO THE EXTENTS OF LOD AS SHOWN ON C401.
11. BEGIN MASS GRADING, INCLUDING PAD GRADING FOR PROPOSED BUILDING. INSTALLATION OF UTILITIES, REMAINING SITE RETAINING WALLS (IN ACCORDANCE W/ THE APPROVED STRUCTURAL PLANS), STONE SUBBASE FOR PAVING AND CURB AND GUTTER AS SHOWN ON C411. RESET THE SCE DUE TO PROPOSED GRADING. PROVIDE INLET PROTECTION WHERE SHOWN PRIOR TO INLETS BECOMING FUNCTIONAL. INSTALL TEMP STORM DRAIN PIPE AND CORRESPONDING GABION INFLOW PROTECTION AT P.O.S.T. NO.1 PRIOR TO THE UPSTREAM INLETS BECOMING FUNCTIONAL. PROVIDE TEMPORARY BULKHEAD AT S.D. MH AS SHOWN ON SHEET C411. CONTRACTOR SHALL ROUGH GRADE DEPRESSIONS WHICH ARE TO BECOME STORM WATER MANAGEMENT (SWM) FACILITIES SO THAT THE INITIAL GROUND SURFACE IS LEVEL WITH RIM ELEVATION OF THE OVERFLOW INLET WHICH IS ABOVE THE FILTER BED ELEVATION. GRADING OF THE SWM FACILITIES AND INSTALLATION OF THE PLANTING MEDIA, SAND, UNDERDRAINS AND RECHARGE STONE SHALL BE DONE ONLY WHEN THE ENTIRE CONTRIBUTING DRAINAGE AREA IS STABILIZED. FLUSH STORM DRAINS CONTRIBUTING TO P.O.S.T. NO.1, AND CLEAN OUT P.O.S.T. NO.1 FOLLOWING EACH STORM EVENT. TO PREVENT BYPASS OF INLETS, PROVIDE DIVERSION MEASURES (EARTH BERM, STONE BERM, OR TEMPORARY ASPHALT BERM) TO DIVERT FLOW TO INLETS. INSTALLATION OF STONE SUBBASE FOR THE PARKING AND DRIVE AREAS MAY BEGIN AT THIS TIME.
12. A SUBSTANTIAL AREA OF STONE SUBBASE SHALL BE INSTALLED TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR TO ALLOW FOR PARKING, STAGING AND ACCESS PRIOR TO BUILDING CONSTRUCTION. MAY OCCUR SIMULTANEOUSLY AS THE PREVIOUS STEP.
13. BEGIN BUILDING CONSTRUCTION. PROVIDE SUMP PIT(S) TO DEWATER FOUNDATION EXCAVATIONS AS REQUIRED.
14. FINE GRADE, COMPLETE HARDSCAPE & PAVING INSTALLATION AND STABILIZE DISTURBED AREAS TO THE EXTENT POSSIBLE. STEEP SLOPES, SWALES AND GhC SOIL TYPE WITH SLOPES GREATER THAN 5 PERCENT SHALL BE STABILIZED WITH PERMANENT SEED AND SOIL STABILIZATION MATTING.
15. ONCE CONTRIBUTING DRAINAGE AREA TO MICRO-BIORETENTIONS #1 - 3 ARE STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE SWM FACILITIES TO THE APPROPRIATE DEPTH. INSTALL STONE, UNDERDRAINS, PIPE OUTFALLS, SAND, PLANTING MEDIA, ETC. IN ACCORDANCE WITH THE APPROVED SWM PLANS. CONTRACTOR SHALL EXERCISE EXTRA CARE DURING THIS PROCESS SO AS TO NOT DAMAGE THE PREVIOUSLY INSTALLED STORM DRAIN OR ALLOW SEDIMENT TO ENTER THE STORM DRAIN SYSTEMS. PRIOR TO INSTALLATION OF MULCH LAYER, FLOOD SWM FACILITIES WITH CLEAN WATER TO PONDING ELEVATION AND TIME DRAW-DOWN TO ENSURE DRAW-DOWN TIME IS LESS THAN 48 HOURS AND DRAINAGE WITHIN THE SWM FACILITY IS FUNCTIONING. CONTRACTOR SHALL NOTIFY AS-BUILT ENGINEER AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF SWM FACILITIES.
16. PROVIDE LANDSCAPE INSTALLATION FOR THE AREAS OF THE SITE THAT HAVE BEEN CONSTRUCTED PER THE CONSTRUCTION DOCUMENTS.
17. ONCE THE SITE HAS BEEN COMPLETED TO THE EXTENT POSSIBLE WITH SEDIMENT CONTROLS IN PLACE AND HAS BEEN STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS EXCEPT FOR THE SSF DOWNSTREAM OF P.O.S.T. NO.1. FOR REMOVAL OF THE P.O.S.T. NO.1: FIRST, REMOVE FLOW DIVERSIONS, DEWATER AND CLEAN OUT P.O.S.T. NO.1 AND THEN REMOVE THE P.O.S.T. NO.1. FINAL DREDGE TO BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND AN OPEN GRADING PERMIT. AT THE TIME OF THE P.O.S.T. NO.1 REMOVAL, FOLLOWING DEWATERING AND CLEAN OUT, TILL/REFRACTURE SOILS TO A MINIMUM DEPTH OF 12 INCHES BELOW THE P.O.S.T. NO.1 BOTTOM. FINE GRADE AND STABILIZED DISTURBED AREAS, INSTALL PERMANENT STORM DRAIN PIPE AND INLET, AND ROUGH GRADE THE SWM FACILITY (MB #4) IN ACCORDANCE WITH THE APPROVED SWM PLANS. SEE FINAL GRADING INSET ON SHEET C411.
18. WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE REMAINING SWM FACILITY MB #4. REFER TO STEP 15 FOR CONSTRUCTION OF THIS SWM FACILITY. REMOVE TEMPORARY 12" STORM DRAIN PIPE AND REPAIR OPENING IN MANHOLE. REMOVE BULKHEAD IN DOWNSTREAM PIPE OPENING TO ALLOW DRAINAGE TO M-103.
19. PROVIDE REMAINING LANDSCAPING INSTALLATION FOR THE SITE AND SWM FACILITY, MB #4.
20. UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.

H-1 STANDARDS AND SPECIFICATIONS
FOR
MATERIALS

Table H.1: Geotextile Fabrics

		WOVEN SLIT FILM GEOTEXTILE		WOVEN MONOFILAMENT GEOTEXTILE		NONWOVEN GEOTEXTILE	
		MINIMUM AVERAGE ROLL VALUE[1]					
PROPERTY	TEST METHOD	MD	CD	MD	CD	MD	CD
Grab Tensile Strength	ASTM D-4632	200 lb	200 lb	370 lb	250 lb	200 lb	200 lb
Grab Tensile Elongation	ASTM D-4632	15%	10%	15%	15%	50%	50%
Trapezoidal Tear Strength	ASTM D-4533	75 lb	75 lb	100 lb	60 lb	80 lb	80 lb
Puncture Strength	ASTM D-6241	450 lb		900 lb		450 lb	
Apparent Opening Size[2]	ASTM D-4751	U.S. Sieve 30 (0.59 mm)		U.S. Sieve 70 (0.21 mm)		U.S. Sieve 70 (0.21 mm)	
Permittivity	ASTM D-4491	0.05 sec^{-1}		0.28 sec^{-1}		1.1 sec^{-1}	
Ultraviolet Resistance Retained at 500 hours	ASTM D-4355	70% strength		70% strength		70% strength	

[1] All numeric values except apparent opening size (AOS) represent minimum average roll values (MARV). MARV is calculated as the typical minus two standard deviations. MD is machine direction; CD is cross direction.

[2] Values for AOS represent the average maximum opening.

Geotextiles must be evaluated by the National Transportation Product Evaluation Program (NTPEP) and conform to the values in Table H.1.

The geotextile must be inert to commonly encountered chemicals and hydrocarbons and must be rot and mildew resistant. The geotextile must be manufactured from fibers consisting of long chain synthetic polymers and composed of a minimum of 95 percent by weight of polyolefins or polyesters, and formed into a stable network so the filaments or yarns retain their dimensional stability relative to each other, including selvages.

When more than one section of geotextile is necessary, overlap the sections by at least one foot. The geotextile must be pulled taut over the applied surface. Equipment must not run over exposed fabric. When placing riprap on geotextile, do not exceed a one foot drop height.

Table H.2: Stone Size

TYPE	SIZE RANGE	d_{50}	d_{100}	AASHTO	MIDSIZE WEIGHT[3]
NUMBER 57[1]	3/8 to 1 ½ inch	½ in	1 ½ in	M-43	N/A
NUMBER 1	2 to 3 inch	2 ½ in	3 in	M-43	N/A
RIPRAP[2] (CLASS 0)	4 to 7 inch	5 ½ in	7 in	N/A	N/A
CLASS I	N/A	9 ½ in	15 in	N/A	40 lb
CLASS II	N/A	16 in	24 in	N/A	200 lb
CLASS III	N/A	23 in	34 in	N/A	600 lb

[1] This classification is to be used on the upstream face of stone outlets and check dams.

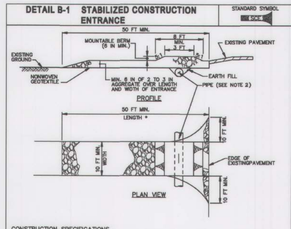
[2] This classification is to be used for gabions.

[3] Optimum gradation is 50 percent of the stone being above and 50 percent below the midsize.

Stone must be composed of a well graded mixture of stone sized so that fifty (50) percent of the pieces by weight are larger than the size determined by using the charts. A well graded mixture, as used herein, is defined as a mixture composed primarily of larger stone sizes but with a sufficient mixture of other sizes to fill the smaller voids between the stones. The diameter of the largest stone in such a mixture must not exceed the respective d_{100}

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL: SCE



CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT), USE MINIMUM WIDTH OF 10 FEET. PLACE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING AREA.
2. PIPE ALL SURFACE WATER TO BE DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE DOWNHILL, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF MUD AND STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING IS PROHIBITED UNLESS THE SCE DRAINS TO A SEDIMENT TRAP. NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

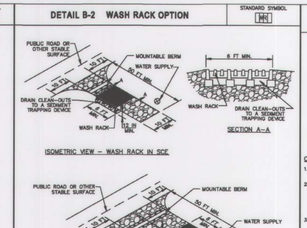
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DETAIL B-2 WASH RACK OPTION

STANDARD SYMBOL: WR



CONSTRUCTION SPECIFICATIONS

1. USE A WASH RACK DESIGNED AND CONSTRUCTED/MANUFACTURED FOR THE ANTICIPATED TRAFFIC LOADS. CONCRETE, STEEL, OR OTHER MATERIALS ARE ACCEPTABLE. PRE-FABRICATED UNITS SUCH AS CATTLE GUARDS ARE ACCEPTABLE. USE MINIMUM DIMENSION OF 6 FEET X 10 FEET. ORIENT DIRECTION OF RACK AS SHOWN ON THE DETAIL.
2. INSTALL PRIOR TO ALONG SIDE OF, OR AS PART OF THE SCE.
3. DIRECT WASH WATER TO AN APPROVED SEDIMENT TRAPPING DEVICE.
4. KEEP AREA UNDER WASH RACK FREE OF ACCUMULATED SEDIMENT, IF DAMAGED, REPAIR OR REPLACE WASH RACK.

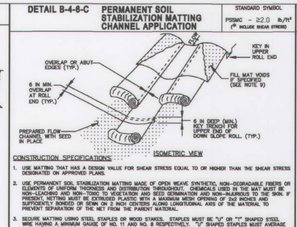
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL B-4-8-C PERMANENT SOIL STABILIZATION MATTING CHANNEL APPLICATION

STANDARD SYMBOL: PSMC

PSMC = ≥2.0 lb/ft² (* INCLUDE SHEAR STRESS)



CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-HARMFUL TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 3x2 INCHES AND SUFFICIENT STRENGTH TO HOLD THE MAT IN PLACE. REFER TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE MAT FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "I" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF 8G, 11 AND 9G, 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 6 INCH MIN LEG, 8 INCH MIN LEG IN SANDY SOILS, AND MINIMUM 4 INCH CROWN. STAPLES MUST BE A MINIMUM 8 INCH AND 11 INCH LONG IN 1 INCH SECONDARY LIFTS. MINIMUM 4 INCH CROWN. STAPLES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTER LINE. WORK FROM CENTER OF CHANNEL OUTWARD, WITH PLACING ROLLS LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ENDS OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE TOP OF SLOPE END OF MAT 8 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, OVERLAPPING THE MAT IN PLACE, REFILLING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STORE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, USE A DOUBLE ROW OF STAPLES ON 4 INCH CENTERS ALONG THE SIDES OF THE MAT. FILL MATTING WITH MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

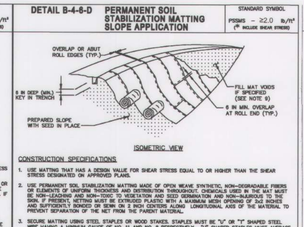
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL B-4-8-D PERMANENT SOIL STABILIZATION MATTING SLOPE APPLICATION

STANDARD SYMBOL: PSMS

PSMS = ≥2.0 lb/ft² (* INCLUDE SHEAR STRESS)



CONSTRUCTION SPECIFICATIONS

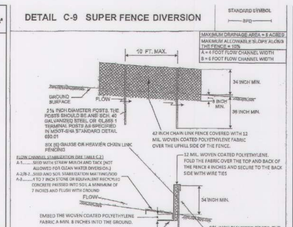
1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-HARMFUL TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 3x2 INCHES AND SUFFICIENT STRENGTH TO HOLD THE MAT IN PLACE. REFER TO MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE MAT FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "I" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF 8G, 11 AND 9G, 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 6 INCH MIN LEG, 8 INCH MIN LEG IN SANDY SOILS, AND MINIMUM 4 INCH CROWN. STAPLES MUST BE A MINIMUM 8 INCH AND 11 INCH LONG IN 1 INCH SECONDARY LIFTS. MINIMUM 4 INCH CROWN. STAPLES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWN SLOPE. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ENDS OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE TOP OF SLOPE END OF MAT 8 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, OVERLAPPING THE MAT IN PLACE, REFILLING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STORE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, USE A DOUBLE ROW OF STAPLES ON 4 INCH CENTERS ALONG THE SIDES OF THE MAT. FILL MATTING WITH MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL C-9 SUPER FENCE DIVERSION

STANDARD SYMBOL: SFD



CONSTRUCTION SPECIFICATIONS

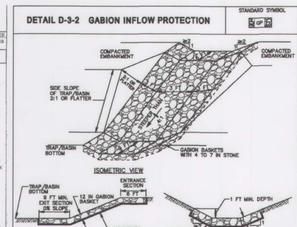
1. USE 42 INCH HIGH, 6 GAUGE OR HEAVIER CHAIN LINK FENCING (2 ¼ INCH MAXIMUM OPENING).
2. USE 2 ½ INCH DIAMETER, GALVANIZED STEEL POSTS. THE POSTS SHALL BE SIX FEET IN LENGTH SPACED NO FURTHER THAN TEN FEET APART. 5 FT POSTS DO NOT NEED TO BE SET IN CONCRETE.
3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
4. SECURE THE WOVEN COATED POLYETHYLENE FABRIC TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MIDDLE RAIL AND EVERY 8 INCHES ALONG THE TOP AND BOTTOM RAIL.
5. EMBED THE WOVEN COATED POLYETHYLENE FABRIC A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF THE FABRIC.
6. INSTALL EXTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
7. INSTALL GABIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
8. BLEND GABIONS INTO EXISTING GROUND.
9. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL D-3-2 GABION INFLOW PROTECTION

STANDARD SYMBOL: GP



CONSTRUCTION SPECIFICATIONS

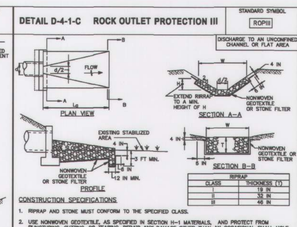
1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL GABION BASKETS.
2. USE BASKETS MADE OF MINIMUM 11 GAUGE WIRE.
3. CONSTRUCT GABION INFLOW PROTECTION BY ARRANGING 9 X 3 X 1 FOOT GABION BASKETS TO FORM A TRAPEZOIDAL SECTION WITH A 3 FOOT BOTTOM WIDTH, 1 FOOT MINIMUM DEPTH, 2:1 SIDE SLOPE WALLS, AND 2:1 OR FLATTER SIDE SLOPES. FILL GABION BASKETS WITH 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE WITHOUT REBAR OR MESH.
4. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
5. INSTALL GABIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
6. BLEND GABIONS INTO EXISTING GROUND.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL D-4-1-C ROCK OUTLET PROTECTION III

STANDARD SYMBOL: ROPIII



CLASS	RIPRAP THICKNESS (t)
I	8 IN
II	12 IN
III	16 IN

CONSTRUCTION SPECIFICATIONS

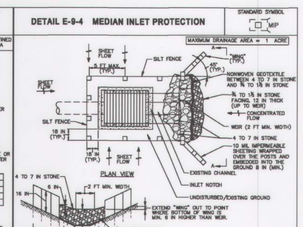
1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BEFORE PLACING STONE. USE GEOTEXTILE OVER THE DAMAGED PART OR COMPLETELY REPLACE. EXTEND TO THE TOP OF THE RIPRAP. USE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (¾ TO 1½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXCAVATE AT LEAST 6 INCHES BELOW EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. USE HAND PLACEMENT OR OTHER METHODS IF NECESSARY TO PREVENT THE FILTER BLANKET OR UNDERSOIL FABRIC FROM BEING DISPLACED.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 10 INCHES.
7. CONSTRUCT APRON WITH OR SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. INSPECT AFTER EACH HIGH FLOW. INSPECT FOR SCOUR AND RIPRAP DISLODGED. REPAIR MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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DETAIL E-9-4 MEDIAN INLET PROTECTION

STANDARD SYMBOL: MIP



CONSTRUCTION SPECIFICATIONS

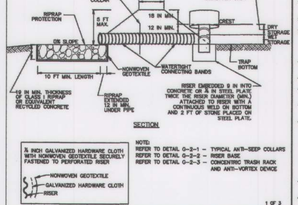
1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. INSTALL SILT FENCE ON ALL SIDES OF INLET RECEIVING SHEET FLOW. FENCE IS TO BE INSTALLED IN ACCORDANCE WITH SILT FENCE DETAIL E-1, EXCEPT POSTS ARE TO BE SPACED A MAXIMUM OF 5 FEET APART.
3. INSTALL STONE STRUCTURE WITH THE WEIR 10 INCHES ABOVE THE INVERT OF THE CHANNEL AND THE WEIR EXTENDING THE FULL WIDTH AS THE CHANNEL BOTTOM PLUS 1 FEET BEYOND EACH SIDE. USE 7 TO 15 INCH STONE OR EQUIVALENT RECYCLED CONCRETE. PLACE NONWOVEN GEOTEXTILE ON THE UPSTREAM FACE AND COVER, AND STONE WITH A 12 INCH THICK LAYER OF CLEAN 1 ½ TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
4. CONSTRUCT "MEDIAN" IN ACCORDANCE WITH DIVERSION FENCE DETAIL C-9.
5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL: SIP



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MARYLAND STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
MODIFIED FOR USE IN BALTIMORE COUNTY

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-2 STANDARD INLET PROTECTION

STANDARD SYMBOL: SIP

CONSTRUCTION SPECIFICATIONS

1. USE WOVEN GEOTEXTILE (AS INDICATED ON THE STANDARD INLET PROTECTION DETAIL) AS SPECIFIED IN SECTION H-1 MATERIALS.
2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
3. FOR TYPE A, USE NOMINAL 2x4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. DRIVE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2x4 INCH FRAME AS SHOWN. STRETCH ½ INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MIDDLE. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED/FOLDED, THEN FASTENED TO THE POST.

   FOR TYPE B, USE 2½ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.15 INCH WALL THICKNESS AND 9 FOOT LENGTH, DRIVEN A MINIMUM OF 28 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTURE. FASTEN 6 GAUGE OR HEAVIER CHAIN LINK FENCE, 42 INCHES IN HEIGHT, SECURELY TO THE FENCE POSTS WITH WIRE TIES. FASTEN GEOTEXTILE SECURELY TO THE CHAIN LINK FENCING WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 18 INCHES BELOW THE WEIR CREST.
4. BACKFILL AROUND THE INLET IN LOOSE 4 INCH LIFTS AND COMPACT UNTIL SOIL IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

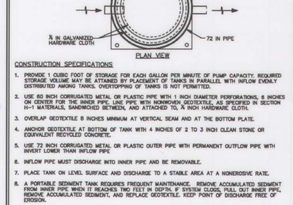
2 of 2

MARYLAND STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
MODIFIED FOR USE IN BALTIMORE COUNTY

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-2 AT-GRADE INLET PROTECTION

STANDARD SYMBOL: AGIP



CONSTRUCTION SPECIFICATIONS

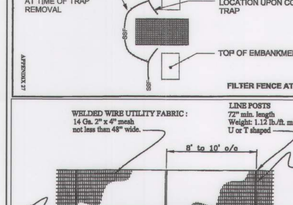
1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
3. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

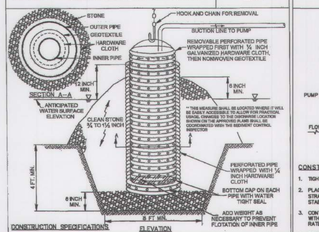
DETAIL E-9-6 COMBINATION INLET PROTECTION

STANDARD SYMBOL: MOD COMP


MAXIMUM DRAINAGE AREA = 1 ACRE
2 FT MIN. LENGTH OF 2 IN x 4 IN LUMBER
¾ TO 1½ IN STONE
1 INCH GA

DETAIL F-1 REMOVABLE PUMPING STATION

STANDARD SYMBOL: RPS



CONSTRUCTION SPECIFICATIONS

ELEVATION

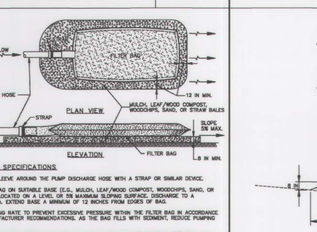
1. USE CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS 6 INCHES ON CENTER.
2. USE A MINIMUM 12 INCH DIAMETER INNER PIPE WITH AN OUTER PIPE A MINIMUM 6 INCHES LARGER IN DIAMETER. BOTTOM OF EACH PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
3. WRAP EACH PIPE WITH ½ INCH GALVANIZED HARDWARE CLOTH. ON INNER PIPE WRAP NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS OVER THE HARDWARE CLOTH.
4. EXCAVATE A FIRST 6 X FIRST 6 X FIRST DEPTH PIT FOR PIPE PLACEMENT. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
5. SET TOP OF INNER AND OUTER PIPES MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION OR RISER CREST ELEVATION WHEN DEWATERING A BASIN.
6. BACKFILL PIT AROUND THE OUTER PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
7. DISCHARGE TO A STABLE AREA AT A NONERODIBLE RATE.
8. A SUMP PIT REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, REMOVE PERFORATED PIPE AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
MODIFIED FOR USE IN BALTIMORE COUNTY

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL F-4 FILTER BAG

STANDARD SYMBOL: FB



CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (C.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM SIDES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS, AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE FILTER BAG ON APPROVED UPLAND AREAS AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE FILTER BAG TO ACCOMMODATE A MINIMUM 2 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	145 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT	ASTM D-4491
PERMITTIVITY (SEC⁻¹)	1.2 SEC⁻¹	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15–0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632

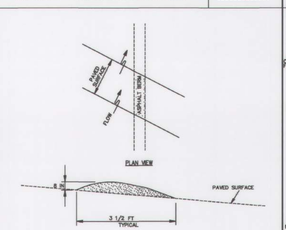
6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL C-5 TEMPORARY ASPHALT BERM

STANDARD SYMBOL: AB



CONSTRUCTION SPECIFICATIONS

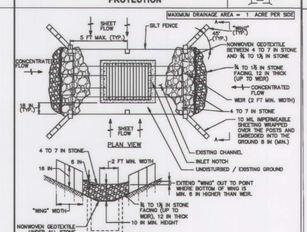
1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 6 INCHES MINIMUM AND APPROXIMATE WIDTH OF 3½ FEET.
3. PROVIDE OUTLET PROTECTION AS REQUIRED ON PLAN.
4. COMPACT ASPHALT BERM.
5. REPAIR DAMAGED ASPHALT. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.
6. UPON REMOVAL OF ASPHALT BERM, RETURN TO ORIGINAL CONDITIONS OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-5 MEDIAN SUMP INLET PROTECTION

STANDARD SYMBOL: MSP



CONSTRUCTION SPECIFICATIONS

1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS.
2. INSTALL SILT FENCE ON ALL SIDES OF INLET RECEIVING SHEET FLOW. FENCE IS TO BE INSTALLED IN A CONTINUOUS LINE. FENCE POSTS ARE TO BE SPACED A MAXIMUM OF 6 FEET APART.
3. INSTALL EACH STONE STONE STRUCTURE WITH THE WEIR 10 INCHES ABOVE THE INVERT OF THE CHANNEL AND THE WEIR SPANNING THE SAME WIDTH AS THE CHANNEL BOTTOM OR 2 FEET MINIMUM. EXTEND THE WEIR SIDES UP THE CHANNEL BANKS SUCH THAT THE TOP OF THE WEIR IS 6 INCHES HIGHER ON THE UPSTREAM FACE AND LOWER WITH A 12 INCH THICK LAYER OF CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
4. CONSTRUCT "WINGS" IN ACCORDANCE WITH DIVERSION FENCE DETAIL C–9.
5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN OR REPLACE THE GEOTEXTILE AND STONE.

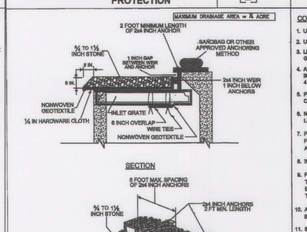
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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-6 COMBINATION INLET PROTECTION

STANDARD SYMBOL: CIP



CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH x 4 INCH LUMBER.
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS.
3. LAY GRAVEL AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. THEN SET GRATE BACK IN PLACE.
4. ATTACH A CONTINUOUS PIECE OF ½ INCH GALVANIZED HARDWARE CLOTH WITH A MINIMUM WIDTH OF 36 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2 INCH BY 4 INCH WEIR, EXTENDING 2 FEET BEYOND THE THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH IT TO THE WEIR.
6. NAIL THE 2 x 4 INCH WEIR (1 INCH BELOW THE ANCHORS) TO THE 6 INCH LONG VERTICAL SPACERS, LOCATED BETWEEN THE WEIR AND INLET FACE, (MAXIMUM 4 FEET APART).
7. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO THE 2 x 4 INCH ANCHORS (MINIMUM 2 FOOT LENGTHS) AT THE SPACER LOCATIONS. EXTEND THE 2 x 4 INCH ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
8. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
9. FORM THE ½ INCH HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THIS INLET. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE OVER THE HARDWARE CLOTH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
10. AT MOH–SUMP LOCATIONS, INSTALL A "TEMPORARY SANDBAG OR OTHER" WEIR TO PREVENT INLET BYPASSING.
11. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN OR REPLACE THE GEOTEXTILE AND STONE.

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-6 COMBINATION INLET PROTECTION

STANDARD SYMBOL: CIP

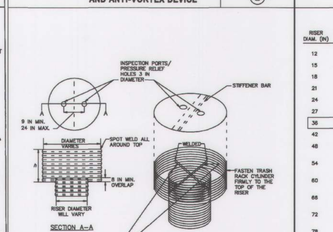
MODIFIED FOR USE IN BALTIMORE COUNTY

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL G-2-3 CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

STANDARD SYMBOL: TR



1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL G-2-3 CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

STANDARD SYMBOL: TR

TRASH RACK CYLINDER				MINIMUM TOP	
RISER DIAM. (IN)	DIAM. THICKNESS (IN)	h (IN)	MINIMUM SIZE SUPPORT BAR	THICKNESS (GAUGE)	STIFFENER
12	18	16	14	#6 REBAR	16	N/A
15	21	16	15	#6 REBAR	16	N/A
18	27	16	16	#6 REBAR	16	N/A
21	30	16	19	#6 REBAR	16	N/A
24	36	16	21	#6 REBAR	14	N/A
27	42	16	21	#6 REBAR	14	N/A
30	54	14	25	#6 REBAR	14	N/A
42	60	14	27	#6 REBAR	12	N/A
48	72	12	29	1¾ IN PIPE OR 1¾ x 1¾ x ¾ ANGLE	10	N/A
54	78	12	33	1¾ IN PIPE OR 1¾ x 1¾ x ¾ ANGLE	10	N/A
60	90	12	37	1¾ IN PIPE OR 1¾ x 1¾ x ¾ ANGLE	8	N/A
66	98	10	41	2 IN PIPE OR 2 x 2 x ¾ ANGLE	8	2 x 2 x ¼ ANGLE
72	102	10	44	2 IN PIPE OR 2 x 2 x ¾ ANGLE	8	2½ x 2½ x ¼ ANGLE
78	114	10	47	2½ IN PIPE OR 2 x 2 x ¾ ANGLE	8	2½ x 2½ x ¼ ANGLE
84	120	10	50	2½ IN PIPE OR 2½ x 2½ x ¾ ANGLE	8	2½ x 2½ x ⅝ ANGLE

NOTE:
THE ABOVE TRASH RACK AND ANTI–VORTEX DEVICE INFORMATION IS FOR CORRUGATED METAL PIPE ONLY. CONCRETE RISERS MUST MEET THE REQUIREMENTS OF MD 378.

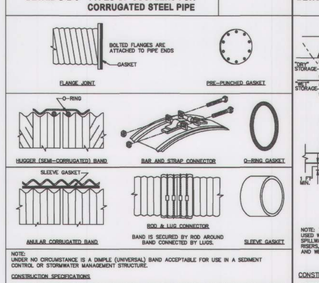
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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL G-2-5 TYPES OF COUPLERS FOR CORRUGATED STEEL PIPE

STANDARD SYMBOL: HDDD



NOTE:
UNDER NO CIRCUMSTANCE IS A DIMPLE (UNIVERSAL) BAND ACCEPTABLE FOR USE IN A SEDIMENT CONTROL OR STORMWATER MANAGEMENT STRUCTURE.

CONSTRUCTION SPECIFICATIONS

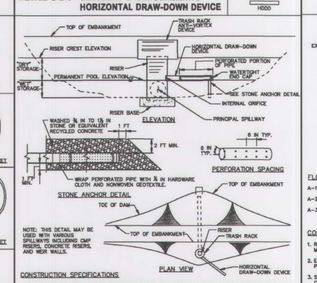
1. USE A RUBBER OR NEOPRENE GASKET WHEN JOINING PIPE SECTIONS. THE END OF EACH PIPE SHALL BE FULLY CIRCLED WITH AN ADEQUATE NUMBER OF CORRUGATIONS TO ACCOMMODATE THE BAND WIDTH.
2. FOR PIPES LESS THAN 24 INCHES IN DIAMETER, PROVIDE ONE OF THE FOLLOWING TYPES OF CONNECTIONS:
   a. CORRUGATED JOINTS WITH ¾ INCH CLOSED CELL GASKET TO BE USED WHERE PIPE ENDS ARE PRE-PUNCHED TO THE FLANGE BOLT CIRCLES, SANDWICHED BETWEEN ADJACENT FLANGES.
   b. 12 INCH WIDE HUGGER TYPE BAND WITH O–RING GASKET HAVING A MINIMUM DIAMETER OF 5 INCH GREATER THAN THE CORRUGATION DEPTH.
3. FOR PIPES 24 INCHES IN DIAMETER AND LARGER, PROVIDE ONE OF THE FOLLOWING TYPES OF CONNECTIONS:
   a. 24 INCH WIDE ANNULAR CORRUGATED BAND WITH 24 INCH WIDE BY ¾ INCH THICK CLOSED CELL CIRCULAR SLEEVE GASKET WITH 12 INCHES ON THE END OF EACH PIPE, CONNECTED WITH A MINIMUM OF 4 RODS AND LUGS, 2 ON EACH CONNECTING PIPE END, OR
   b. CONNECTING BANDS WITH ¾ INCH CLOSED CELL GASKET ON EACH SIDE OF THE FLANGE. PRE–PUNCHED TO THE FLANGE BOLT CIRCLES, AND SANDWICHED BETWEEN ADJACENT FLANGES.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL G-2-6 SEDIMENT BASIN SCHEMATIC HORIZONTAL DRAW-DOWN DEVICE

STANDARD SYMBOL: HDDD



CONSTRUCTION SPECIFICATIONS

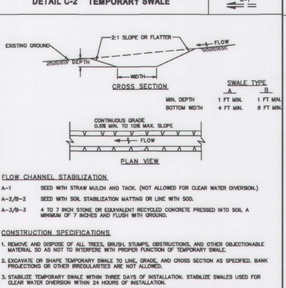
1. PERFORATE PIPE WITH 1 INCH DIAMETER PERFORATIONS SPACED 6 INCHES APART LONGITUDINALLY AND RADIALLY OR IN ACCORDANCE WITH APPROVED PLANS.
2. WRAP THE PERFORATED PORTION OF THE DRAW–DOWN DEVICE FIRST WITH A INCH GALVANIZED HARDWARE CLOTH, THEN WITH NONWOVEN GEOTEXTILE. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS. DO NOT WRAP WITH MORE THAN ONE LAYER OF GEOTEXTILE.
3. AS AN ALTERNATE TO STONE ANCHORING, SECURE DRAW–DOWN DEVICE WITH TWO 3 INCH STEEL ANGLES SET 3 FEET MINIMUM INTO THE GROUND ATTACHED TO DRAW–DOWN DEVICE BY A 1 INCH WIDE GALVANIZED STEEL STRAP OR 12 GAUGE OR HEAVIER WIRE.
4. REMOVE SEDIMENT WHEN IT ACCUMULATES TO CLEANOUT ELEVATION (50% OF THE WET STORAGE DEPTH). DEPOSIT REMOVED SEDIMENT IN AN APPROVED AREA IN A SUCH A MANNER THAT IT WILL NOT ERODE. MAINTAIN WATER TIGHT CONNECTIONS. REPLACE GEOTEXTILE AROUND PERFORATED RISER IF DRY STORAGE VOLUME DOES NOT DRAIN WITHIN 24 HOURS.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL C-2 TEMPORARY SWALE

STANDARD SYMBOL: A-1



FLOW CHANNEL STABILIZATION

A–1	SEED WITH STRAW MULCH AND TACK. (NOT ALLOWED FOR CLEAR WATER DIVERSION.)
A–2/B–2	SEED WITH SOIL STABILIZATION MATTING OR LINK WITH SOD.
A–3/B–3	4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PRESSED INTO SOIL A MINIMUM OF 7 INCHES AND FLUSH WITH GROUND.

CONSTRUCTION SPECIFICATIONS

1. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF TEMPORARY SWALE.
2. EXCAVATE OR SHAPE TEMPORARY SWALE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
3. STABILIZE TEMPORARY SWALE WITHIN THREE DAYS OF INSTALLATION. STABILIZE SWALES USED FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
4. CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
6. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP TEMPORARY SWALE AND POINT OF DISCHARGE FREE OF EROSION. REPAIR DAMAGED SWALE AND APPURTENANCES IMMEDIATELY. REVEGETATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.
7. UPON REMOVAL OF TEMPORARY SWALE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

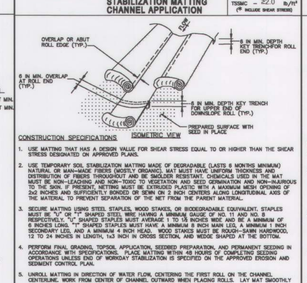
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL B-4-6-A TEMPORARY SOIL STABILIZATION MATTING CHANNEL APPLICATION

STANDARD SYMBOL: MSP

T_{DMAX} = 22.0 lb/sf (* VALUE SHOWN STRONG)



CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MANUFACTURED FIBERS (OR BLENDS THEREOF) WHOSE CONFIGURATIONS, THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT ARE BY SWELLED RESISTANT, CHEMICALLY USED IN THE MAT MUST BE NON–LEACHING AND NON–TOXIC TO VEGETATION AND SEED GERMINATION AND NON–INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 MINIMUM, RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH–SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM). WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY–IN THE UPSLOPE END OF MAT 8 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.

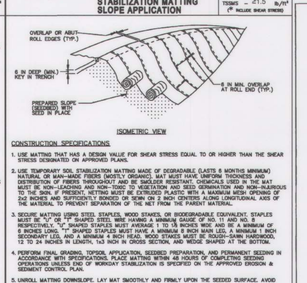
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

DETAIL B-4-6-B TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION

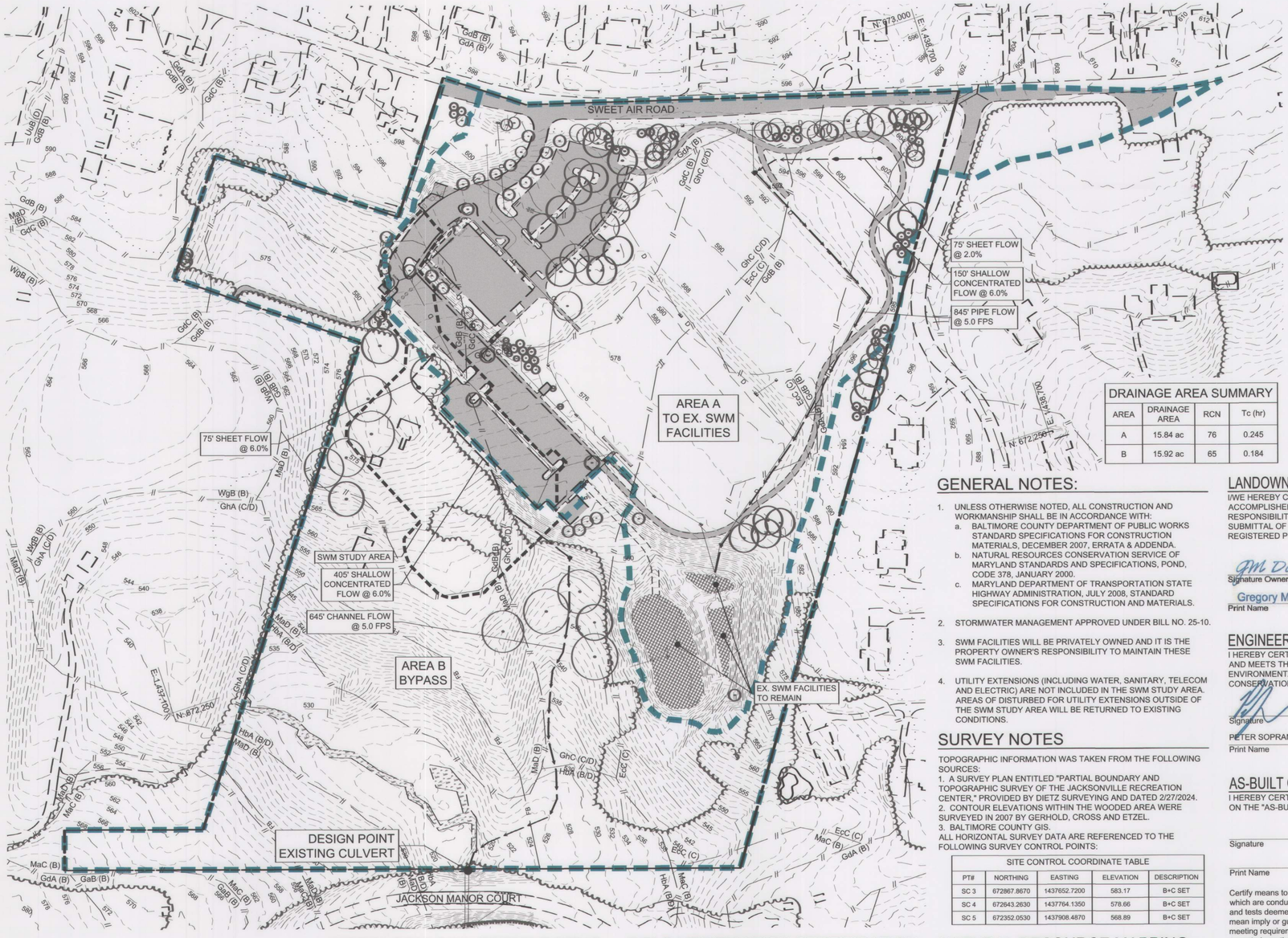
STANDARD SYMBOL: MSP

T_{DMAX} = 21.5 lb/sf (* VALUE SHOWN STRONG)



CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MANUFACTURED FIBERS (OR BLENDS THEREOF) WHOSE CONFIGURATIONS, THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT ARE BY SWELLED RESISTANT, CHEMICALLY USED IN THE MAT MUST BE NON–LEACHING AND NON–TOXIC TO VEGETATION AND SEED GERMINATION AND NON–INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, W



DRAINAGE AREA SUMMARY

AREA	DRAINAGE AREA	RCN	Tc (hr)
A	15.84 ac	76	0.245
B	15.92 ac	65	0.184

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH:
   a. BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR CONSTRUCTION MATERIALS, DECEMBER 2007, ERRATA & ADDENDA.
   b. NATURAL RESOURCES CONSERVATION SERVICE OF MARYLAND STANDARDS AND SPECIFICATIONS, POND, CODE 378, JANUARY 2000.
   c. MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION, JULY 2008, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
2. STORMWATER MANAGEMENT APPROVED UNDER BILL NO. 25-10.
3. SWM FACILITIES WILL BE PRIVATELY OWNED AND IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO MAINTAIN THESE SWM FACILITIES.
4. UTILITY EXTENSIONS (INCLUDING WATER, SANITARY, TELECOM AND ELECTRIC) ARE NOT INCLUDED IN THE SWM STUDY AREA. AREAS OF DISTURBED FOR UTILITY EXTENSIONS OUTSIDE OF THE SWM STUDY AREA WILL BE RETURNED TO EXISTING CONDITIONS.

SURVEY NOTES

TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING SOURCES:
1. A SURVEY PLAN ENTITLED "PARTIAL BOUNDARY AND TOPOGRAPHIC SURVEY OF THE JACKSONVILLE RECREATION CENTER," PROVIDED BY DIETZ SURVEYING AND DATED 2/27/2024.
2. CONTOUR ELEVATIONS WITHIN THE WOODED AREA WERE SURVEYED IN 2007 BY GERHOLD, CROSS AND ETZEL.
3. BALTIMORE COUNTY GIS.
ALL HORIZONTAL SURVEY DATA ARE REFERENCED TO THE FOLLOWING SURVEY CONTROL POINTS:

SITE CONTROL COORDINATE TABLE

PT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
SC 3	672867.8670	1437652.7200	583.17	B+C SET
SC 4	672643.2630	1437764.1350	578.66	B+C SET
SC 5	672352.0530	1437908.4870	568.89	B+C SET

HYDROLOGIC SOIL GROUP RATING

EcC	ELIOAK SILT LOAM, 8% to 15% SLOPES	C
GdA	GLENELG LOAM, 0% - 3% SLOPES	B
GdB	GLENELG LOAM, 3% - 8% SLOPES	B
GdC	GLENELG LOAM, 8% - 15% SLOPES	B
GhC	GLENVILLE SILT LOAM, 8% - 15% SLOPES	C/D
HbA	HATBORO SILT LOAMS, 0% - 3% SLOPES	B/D
MaC	MANOR LOAM, 8% - 15% SLOPES	B
MaD	MANOR LOAM, 15% - 25% SLOEPS	B

FIELD VERIFICATION CERTIFICATION

I HEREBY CONFIRM THAT I COMPLETED A FIELD VERIFICATION TO THE INFORMATION SHOWN ON THE PLANS ON JANUARY 31, 2024 AND THAT THE INFORMATION SHOWN ON THE PLANS IS IN AGREEMENT WITH THE ACTUAL FIELD CONDITIONS.

SIGNED — 2/2/24 DATE

Rebekah Wolf
PRINTED NAME

NATURAL RESOURCE MAPPING

WETLANDS (NONTIDAL)	YES
WETLANDS OF SPECIAL STATE CONCERN	NO
MAJOR WATERWAYS	NO
FLOODPLAINS	NO
PERENNIAL STREAMS	NO
INTERMITTENT STREAMS	NO
FORESTS	YES
CRITICAL AREAS	NO
STEEP SLOPES	YES
HIGHLY ERODIBLE SOILS	NO
TOPOGRAPHY / SLOPES	PROVIDED
SPRINGS	NO
SEEPS	NO
VEGETATIVE COVER	YES
SOILS	PROVIDED
BEDROCK / GEOLOGY	NO
EXISTING DRAINAGE AREAS	PROVIDED

SWM AS-BUILT NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITIES AND TO PREPARE, SUBMIT, AND PROCESS AS-BUILT DRAWINGS WITH THE AUTHORITIES HAVING JURISDICTION. "CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE OBSERVATIONS AND/OR INSPECTIONS AT CRUCIAL MILESTONES DURING CONSTRUCTION OF THE FACILITY, MATERIAL TESTS CONDUCTED DURING CONSTRUCTION, AND POST-CONSTRUCTION SURVEYING AND VERIFICATION. VERIFICATION SHALL INCLUDE PHOTODOCUMENTATION CONSISTING OF AT LEAST TEN (10) PHOTOS AT EACH STAGE OF CONSTRUCTION PROGRESS.
2. CRUCIAL MILESTONES INCLUDE, AT A MINIMUM, REGULAR INSPECTIONS MADE AND DOCUMENTED DURING AND AT COMPLETION OF THE FOLLOWING STAGES OF CONSTRUCTION:
   A) EXCAVATION TO SUBGRADE
   B) INSTALLATION OF GEOTEXTILE FABRIC
   C) INSTALLATION OF UNDERDRAIN SYSTEM WITH DRAINAGE STRUCTURE AND OUTFALL PIPE
   D) INSTALLATION ON WETLAND SOIL, PEA GRAVEL AND GRAVEL MEDIA.
   E) UPON COMPLETION OF FINAL GRADING, MULCH INSTALLATION, AND ESTABLISHMENT OF PERMANENT STABILIZATION
3. THE FOLLOWING INFORMATION SHALL BE INCLUDED IN THE SWM AS-BUILT DOCUMENTATION:
   A) COMPLY WITH INSPECTION REQUIREMENTS DURING CONSTRUCTION FOR AS-BUILT CERTIFICATION AS DESCRIBED IN THE MDE STORMWATER MANUAL AND AMENDED TO DATE.
   B) NOTE CHANGES AND DEVIATIONS FROM THE ORIGINAL APPROVED SWM PLANS BY MARKING IN RED OR GREEN ON TOP OF THE ASSOCIATED APPROVED ITEM.
   C) NOTE CONSTRUCTED DATA FOR GRADING CONTOURS, SPOT ELEVATIONS, HORIZONTAL AND VERTICAL DIMENSIONS, INVERTS, PLAN VIEWS, CROSS-SECTIONS, AND DETAILS.
   D) IF CONSTRUCTED VALUES ARE THE SAME AS DESIGN VALUES, PLACE A CHECK MARK NEXT TO THE ASSOCIATED DATA TO INDICATE THE VALUE HAS BEEN VERIFIED.
   E) COMPLETE AS-BUILT TABLES INCLUDED ON DRAWINGS AND SIGN AND SEAL CERTIFICATIONS.

   PROVIDE ADDITIONAL DOCUMENTS SUCH AS PROGRESS AND FINAL PHOTOGRAPHS, INSPECTION REPORTS AND OTHER RELEVANT INFORMATION IN SUPPORT OF THE AS-BUILT DRAWINGS AND DATA TABLES.
4. SUBMIT SWM AS-BUILTS TO THE AUTHORITIES HAVING JURISDICTION AND PROCESS FOR FINAL APPROVAL AND CLOSEOUT OF ASSOCIATED PERMIT(S).

LANDOWNER'S/DEVELOPER'S CERTIFICATION:

I/WE HEREBY CERTIFY THAT ALL WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE ACCOMPLISHED PURSUANT TO THESE PLANS. I/WE ALSO UNDERSTAND THAT IT IS MY/OUR RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF "AS-BUILT" PLANS WITHIN THIRTY (30) DAYS OF COMPLETION, BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER.

GM Doran
Signature Owner/Developer

Gregory M. Doran — 1/21/2025
Print Name — Date

ENGINEERS CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED BY ME OR UNDER MY SUPERVISION AND MEETS THE MINIMUM STANDARDS OF THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND THE BALTIMORE SOIL CONSERVATION DISTRICT.

Signature — 42977 P.E. No.

PETER SOPRANO — 02/11/2025
Print Name — Date

AS-BUILT CERTIFICATION:

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

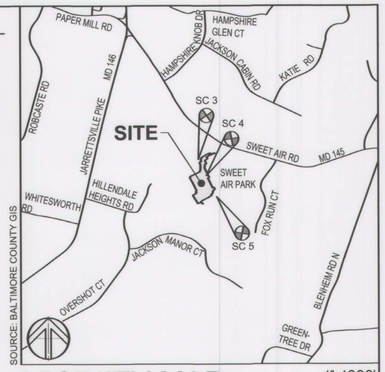
Signature — P.E. No.

Print Name — Date

Certify means to state or declare a professional opinion based upon on-site inspections and material tests which are conducted during construction. The on-site inspections and material tests are those inspections and tests deemed sufficient and appropriate by commonly accepted engineering standards. Certify does not mean imply or guarantee by the engineer nor does an engineer's certification relieve any other party from meeting requirements imposed by contract, employment, or other means, including meeting commonly accepted practices.

AS-BUILT PLANS AND CERTIFICATIONS ARE REQUIRED FOR THIS STORMWATER MANAGEMENT FACILITY. THESE MUST BE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER. BALTIMORE COUNTY WILL NOT PERFORM THE INSPECTION OR PREPARE THE AS-BUILT PLANS OR CERTIFICATION. THE STORMWATER MANAGEMENT PERMIT SECURITY WILL NOT BE RELEASED UNTIL THE AS-BUILT PLANS AND CERTIFICATION ARE APPROVED BY BALTIMORE COUNTY. IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITIES AND TO PREPARE, SUBMIT AND PROCESS AS-BUILT DRAWINGS WITH BALTIMORE COUNTY.

IN ORDER TO PREPARE THE REQUIRED AS-BUILT PLANS AND CERTIFICATION, THIS STORMWATER MANAGEMENT FACILITY MUST BE INSPECTED BY THE ENGINEER AT SPECIFIC STAGES DURING CONSTRUCTION AS REQUIRED BY THE AMENDED BALTIMORE COUNTY CODE, TITLE 4, STORMWATER MANAGEMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK SHOWN ON THESE PLANS.



VICINITY MAP 1"=1000'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN (D)
- EXISTING WATER (W)
- EXISTING SANITARY SEWER (S)
- EXISTING CONTOURS
- EXISTING WETLANDS
- EXISTING SOIL GROUP DELINEATION (UtD / GnG)
- SWM STUDY AREA
- TC PATH
- DRAINAGE AREA
- IMPERVIOUS AREA

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

#6334

Baltimore County Soil Conservation District
APPROVED FOR STORMWATER MANAGEMENT
DISTRICT OFFICIAL — 2/04/25 DATE — 028-1HA12-25 PLAN NO.
TECHNICAL REVIEW FOR DISTRICT
BY: _____ BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY — 2/04/25 DATE

PROJECT INFORMATION:

JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:

BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:

SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL — STATE OF MARYLAND — PETER SOPRANO — 07207 — PROFESSIONAL ENGINEER
DATE : 02/11/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977 , EXPIRATION DATE 06/07/2025

ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NE11
			R.O.W NO.		78NE12
					78NE11
CONTRACT COMPLETION BOX					79NE12

DRAWING SCALE — PLAN SCALE: AS SHOWN — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

SUBDIVISION: JACKSONVILLE

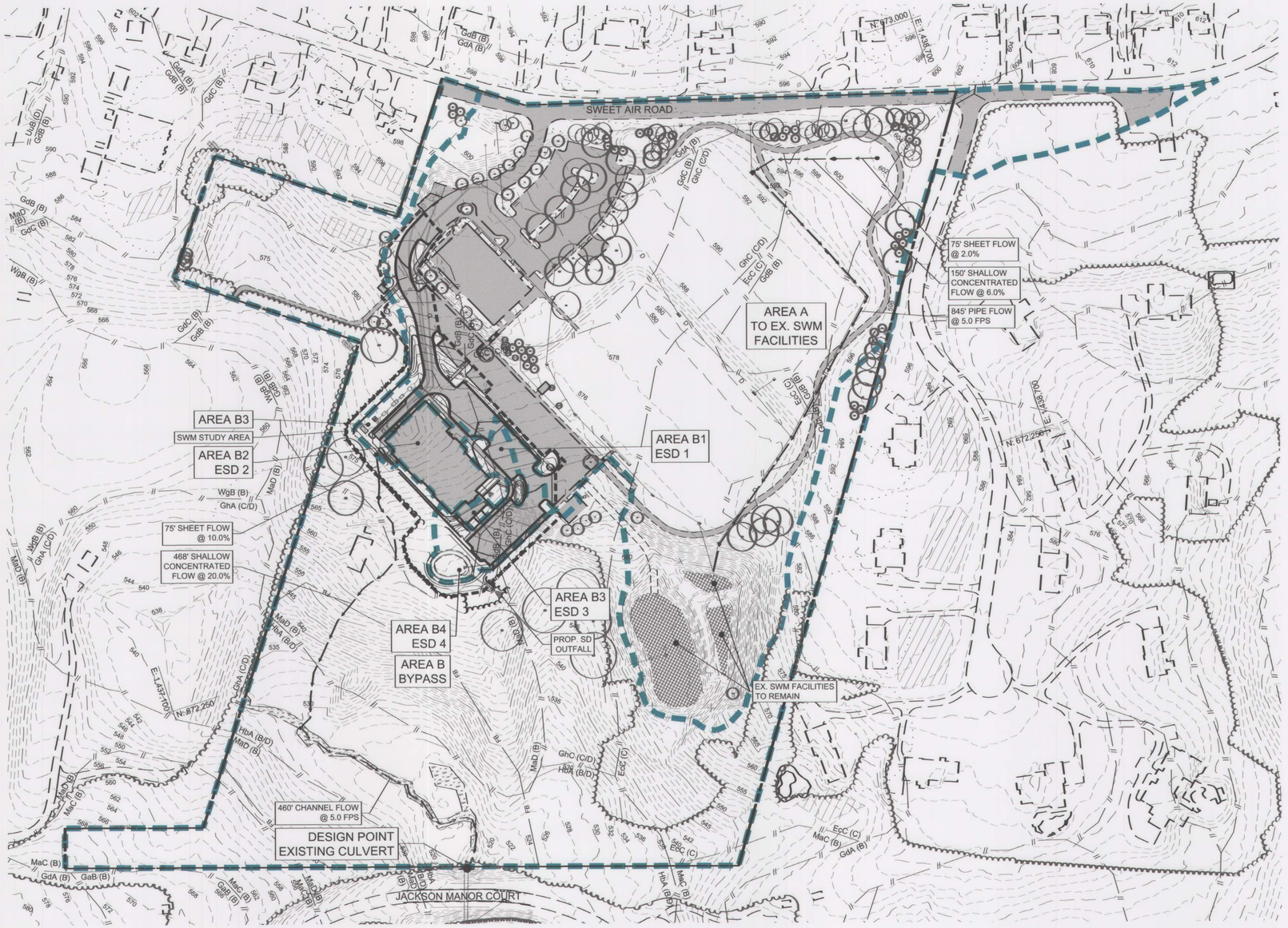
JACKSONVILLE SENIOR CENTER
RESOURCE MAPPING PLAN
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C501	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 26 OF 195
	DRAWING NUMBER
	2025-0244
	FILE NO.: 8

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: Z:\282\28113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C501 RESOURCE MAPPING PLAN.DWG 2/11/2025 1:34 PM RSW
© SITE RESOURCES, INC.



LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING CONTOURS
- EXISTING WETLANDS
- EXISTING SOIL GROUP DELINEATION
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROPOSED STORM DRAIN
- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY FORCE MAIN
- PROPOSED TELECOMMUNICATIONS
- PROPOSED ELECTRIC
- PROPOSED CONTOURS
- SWM STUDY AREA
- TC PATH
- DRAINAGE AREA
- IMPERVIOUS AREA

DRAINAGE AREA SUMMARY

AREA	DRAINAGE AREA	RCN	Tc (hr)
A	15.74 ac	75	0.245
B1	0.16 ac	87	0.100
B2	0.46 ac	95	0.100
B3	0.22 ac	79	0.100
B4	0.50 ac	84	0.100
B5	14.68 ac	66	0.142

NORTH

0 20 50 100 200 300
SCALE: 1" = 100'

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME: © SITE RESOURCES, INC. Z:\23\23113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C502 PROP DA MAP.DWG 2/10/2025 3:35 PM rsw

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
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SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
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SITERESOURCES
Creative Design Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com
DATE : 02/11/2025

DGN BY:	EAM
DWN BY:	L_H
CHKD BY:	RSW/KPR

AS-BUILT / REVISION

BY	DATE	P.W.A. NO.
		R.O.W NO.
CONTRACT COMPLETION BOX		

KEY SHEET	POSITION SHT
UNK	76NE11
	76NE12
	79NE11
	79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

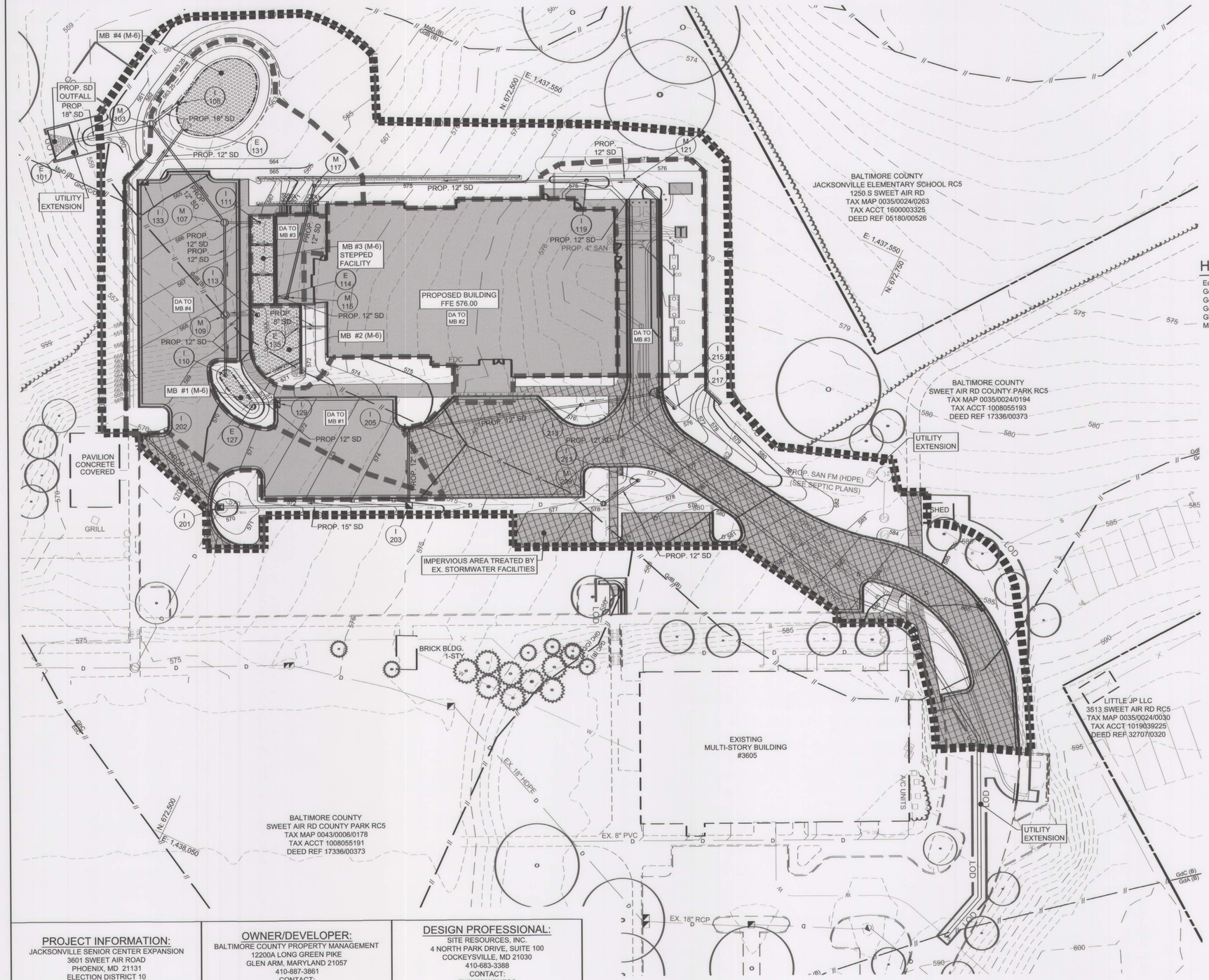
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
PROP. DRAINAGE AREA MAP
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C502	25010 P00
JOB ORDER NUMBER	
10-701-1861	
SHEET 27 OF 1195	
DRAWING NUMBER	
2025-0245	
FILE NO.: 8	

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025



GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH:
   a. BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR CONSTRUCTION MATERIALS, DECEMBER 2007, ERRATA & ADDENDA.
   b. NATURAL RESOURCES CONSERVATION SERVICE OF MARYLAND STANDARDS AND SPECIFICATIONS, POND, CODE 378, JANUARY 2000.
   c. MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION, JULY 2008, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
2. STORMWATER MANAGEMENT APPROVED UNDER BILL NO. 25-10.
3. SWM FACILITIES WILL BE PRIVATELY OWNED AND IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO MAINTAIN THESE SWM FACILITIES.
4. UTILITY EXTENSIONS (INCLUDING WATER, SANITARY, TELECOM AND ELECTRIC) ARE NOT INCLUDED IN THE SWM STUDY AREA. AREAS OF DISTURBED FOR UTILITY EXTENSIONS OUTSIDE OF THE SWM STUDY AREA WILL BE RETURNED TO EXISTING CONDITIONS.

HYDROLOGIC SOIL GROUP RATING

EcC	ELIOAK SILT LOAM, 8% to 15% SLOPES	C
GdA	GLENELG LOAM, 0% - 3% SLOPES	B
GdB	GLENELG LOAM, 3% - 8% SLOPES	B
GdC	GLENELG LOAM, 8% - 15% SLOPES	B
GhC	GLENVILLE SILT LOAM, 8% - 15% SLOPES	C/D
MaD	MANOR LOAM, 15% - 25% SLOEPS	B

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN (D)
- EXISTING WATER (W)
- EXISTING SANITARY SEWER (S)
- EXISTING CONTOURS (350 / 348)
- EXISTING SOIL GROUP DELINEATION (UtD / GnG)
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED SWM
- PROPOSED CROSSWALI
- PROP. 15" SD — PROPOSED STORM DRAIN
- PROP. 6" WATER — PROPOSED WATER
- PROP. 8" SAN — PROPOSED SANITARY SEWER
- PROP. FM — PROPOSED SANITARY FORCE MAIN
- PROP. TELECOM — PROPOSED TELECOMMUNICATIONS
- PROP. ELEC — PROPOSED ELECTRIC
- PROPOSED CONTOURS (350 / 348)
- SWM STUDY AREA
- DRAINAGE AREA
- IMPERVIOUS AREA
- IMPERVIOUS AREA ALREADY TREATED
- LOD — LIMIT OF DISTURBANCE

DESIGN SUMMARY TABLE	
SWM STUDY AREA	2.64 AC
EX. IMPERVIOUS AREA WITHIN SWM STUDY AREA	0.71 AC
PROP. IMPERVIOUS AREA WITHIN SWM STUDY	1.44 AC
IMPERVIOUS AREA ALREADY TREATED	0.51 AC
ESDV REQUIRED	6,045 CU FT
ESDV PROVIDED	6,811 CU FT
PE REQUIRED	1.80 IN
PE PROVIDED	2.03 IN

ESD SUMMARY TABLE				
ESD FACILITIES	DRAINAGE AREA	SURFACE AREA	IMPERVIOUS AREA	ESDV
M-6 Micro-Bioretention #1	6,752 SF / 0.16 AC	180 SQ FT	4,168 SF / 0.10 AC	432 CU FT
M-6 Micro-Bioretention #2	20,073 SF / 0.46 AC	1,070 SQ FT	18,081 SF / 0.42 AC	2,568 CU FT
M-6 Micro-Bioretention #3	9,782 SF / 0.22 AC	690 SQ FT	4,954 SF / 0.11 AC	1072 CU FT
M-6 Micro-Bioretention #4	21,941 SF / 0.50 AC	1,580 SQ FT	12,993 SF / 0.30 AC	2,739 CU FT
TOTAL			40,196 SF / 0.92 AC	6,811 CU FT

NORTH

0 10 20 30 50 100
SCALE: 1" = 30'

LIMIT OF DISTURBANCE: 119,529 SF / 2.74 AC
MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL
STATE OF MARYLAND — KYLE PATRICK RSW — 37211 — PROFESSIONAL ENGINEER
DATE : 02/11/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977 EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com
DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	79NE11
			R.O.W NO.		79NE12
					79NE11
CONTRACT COMPLETION BOX					79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ESD DRAINAGE AREA MAP
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C511	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 28 OF 195	
DRAWING NUMBER	2025-0246
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: Z:\22-22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C501 STORMWATER MANAGEMENT PLAN.DWG 2/10/2025 3:38 PM rsw

© SITE RESOURCES, INC.

TABLE B.4.1 MATERIAL SPECIFICATIONS FOR MICRO-BIORETENTION & SUBMERGED GRAVEL WETLANDS

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE PLANTING PLAN	N/A	PLANTINGS ARE SITE-SPECIFIC
PLANTING SOIL* (2' TO 4' DEEP)	LOAMY SAND (60-65%) & COMPOST (35-40%) OR SANDY LOAM (30%), COARSE SAND (30%) & COMPOST (40%)	N/A	USDA SOIL TYPES LOAMY SAND OR SANDY LOAM; CLAY CONTENT < 5%
ORGANIC CONTENT	MIN. 10% BY DRY WEIGHT (ASTM D 2974)		
MULCH	SHREDDED HARDWOOD		AGED 6 MONTHS, MINIMUM; NO PINE OR WOOD CHIPS
PEA GRAVEL WINDOW	PEA GRAVEL: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
CURTAIN DRAIN	ORNAMENTAL STONE: WASHED COBBLES	STONE: 2" TO 5"	
GEOTEXTILE		N/A	PE TYPE 1 NONWOVEN
GRAVEL (UNDERDRAINS AND INFILTRATION BERMS)	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (⅜" TO ¾")	DOUBLE WASHED TO REMOVE ALL FINES
UNDERDRAIN PIPING	F 758, TYPE PS 28 OR AASHTO M-278	4" TO 6" RIGID SCHEDULE 40 PVC OR SDR 35	SLOTTED OR PERFORATED PIPE; 3/8" PERF. @ 6" ON CENTER, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4 INCH GALVANIZED HARDWARE CLOTH.
POURED IN PLACE CONCRETE (IF REQUIRED)	MSHA MIX NO. 3; F'=3500 PSI @ 28 DAYS, NORMAL WEIGHT, AIR-ENTRAINED; REINFORCING TO MEET ASTM-615-60.	N/A	ON-SITE TESTING OF POURED-IN-PLACE CONCRETE REQUIRED: 28 DAY STRENGTH AND SLUMP TEST; ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) *NOT USING PREVIOUSLY APPROVED STATE OR LOCAL STANDARDS* REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF MARYLAND - DESIGN TO INCLUDE MEETING ACI CODE 350.R/89: VERTICAL LOADING (H-10 OR H-20); ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); AND ANALYSIS OF POTENTIAL CRACKING.
SAND	AASHTO-M-6 OR ASTM-C-33	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND. SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.

*SEE MATERIAL SPECIFICATIONS FOR SHA BIORETENTION SOIL MIX (BSM) THIS SHEET FOR SPECIFIC BIORETENTION SOIL MIX FOR THIS PROJECT.

920.01.05 MDSHA BIORETENTION SOIL MIX

920.01.05 Bioretention Soil Mix (BSM). A homogeneous mixture composed by loose volume of 5 parts Coarse Sand, 3 parts Base Soil, and 2 parts Fine Bark. BSM shall conform to the following:

(a) Components. Components of BSM shall be sampled, tested and approved before mixing as follows:
(1) Coarse Sand. MSMT 356. Coarse Sand shall be washed silica sand or crushed glass that conforms to ASTM Fine Aggregate C-33. Coarse Sand shall include less than 1% by weight of clay or silt size particles, and less than 5% by weight of any combination of diabase, greystone, calcareous or dolomitic sand.
(2) Base Soil. Base Soil shall be tested and certified by the producer to conform to the following requirements:

COMPOSITION - BASE SOIL				
TEST PROPERTY	TEST METHOD	TEST VALUE AND AMENDMENT		
PROHIBITED WEEDS	-	FREE OF SEED AND VIABLE PLANT PARTS OF SPECIES IN 920.06.02(a)(b)(c) WHEN INSPECTED.		
DEBRIS	-	NO OBSERVABLE CONTENT OF CEMENT, CONCRETE, ASPHALT, CRUSHED GRAVEL OR CONSTRUCTION DEBRIS WHEN INSPECTED.		
GRADING ANALYSIS	T 87	SIEVE SIZE		PASSING BY WEIGHT MINIMUM %
		2 IN.		100
		NO. 4		90
		NO. 10		80
TEXTURAL ANALYSIS	T 88	PARTICLE		% PASSING BY WEIGHT
		SIZE	mm	MINIMUM / MAXIMUM
		SAND	2.0-0.050	50 / 85
		SILT	0.050-0.002	5 / 45
		CLAY	LESS THAN 0.002	5 / 10
SOIL pH	D 4972	pH OF 5.7 TO 6.9		
ORGANIC MATTER	T 194	1.0 TO 10.0% BY WEIGHT		
SOLUBLE SALTS	EC1:2 (V:V)	500 ppm (1.25 mmhos/cm) OR LESS		
HARMFUL MATERIALS	-	920.01.01(a)		

(3) Fine Bark. Fine Bark shall be the bark of hardwood trees that is milled and screened to a uniform particle size of 2 in. or less. Fine Bark shall be composted and aged for 6 months or longer, and be free from sawdust and foreign materials. A 1 to 2 lb sample of Fine Bark shall be submitted to the Landscape Operations Division for examination.

(b) Composition. BSM shall be sampled and tested according to the requirements of MSMT 356 and conform to the following:

COMPOSITION - BIORETENTION SOIL MIX (BSM)						
TEST PROPERTY	TEST METHOD	TEST VALUE AND AMENDMENT				
WEEDS	-	FREE OF SEED AND VIABLE PLANT PARTS OF SPECIES IN 920.06.02(a)(b)(c) WHEN INSPECTED.				
DEBRIS	-	920.01.05(a)(2)				
TEXTURAL ANALYSIS	T 88	PARTICLE		% PASSING BY WEIGHT		
		SIZE	mm	MINIMUM	MAXIMUM	
		SAND	2.0-0.050	55	85	
		SILT	0.050-0.002	-	20	
		CLAY	LESS THAN 0.002	1	8	
SOIL pH	D 4972	pH OF 5.7 TO 7.1				
ORGANIC MATTER	T 194	MINIMUM 1.5% BY WEIGHT				
NUTRIENT ANALYSIS AND SOLUBLE SALTS	MEHLICH-3	CONCENTRATION				
		ELEMENT	MINIMUM ppm	MINIMUM F/V	MAXIMUM ppm	MAXIMUM F/V
		CALCIUM (Ca)	32	25	NO LIMIT	NO LIMIT
		MAGNESIUM (Mg)	15	25	NO LIMIT	NO LIMIT
		PHOSPHORUS (P)	18	25	92	100
		POTASSIUM (K)	22	25	NO LIMIT	NO LIMIT
		SULFUR (SO_4)	25	N/A	NO LIMIT	NO LIMIT
	EC1:2 (V:V)	SOLUBLE SALTS	40	N/A	500	N/A
HARMFUL MATERIALS	-	920.01.01(a)				

(c) Amendment or Failure. BSM that does not conform to composition requirements for pH or nutrient analysis shall be amended as specified by the NMP. BSM that exceeds maximum phosphorus concentration or fails other composition requirements will not be accepted, and shall not be delivered or used as BSM.
(d) Storage. 920.01.02(b). BSM shall be stored in a stockpile that is protected from weather under tarp or shed. BSM stored for 6 months or longer shall be resampled, retested, and reapproved before use.
(e) Approval. 920.01.02(c).
(f) Certification and Delivery. 920.01.02(d).

SEQUENCE OF OPERATIONS (EXCERPT FROM C422)

16. ONCE CONTRIBUTING DRAINAGE AREA TO MICRO-BIORETENTIONS #1 - 3 ARE STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE SWM FACILITIES TO THE APPROPRIATE DEPTH. INSTALL STONE, UNDERDRAINS, PIPE OUTFALLS, SAND, PLANTING MEDIA, ETC. IN ACCORDANCE WITH THE APPROVED SWM PLANS. CONTRACTOR SHALL EXERCISE EXTRA CARE DURING THIS PROCESS SO AS TO NOT DAMAGE THE PREVIOUSLY INSTALLED STORM DRAIN OR ALLOW SEDIMENT TO ENTER THE STORM DRAIN SYSTEMS. PRIOR TO INSTALLATION OF MULCH LAYER, FLOOD SWM FACILITIES WITH CLEAN WATER TO PONDING ELEVATION AND TIME DRAW-DOWN TO ENSURE DRAW-DOWN TIME IS LESS THAN 48 HOURS AND DRAINAGE WITHIN THE SWM FACILITY IS FUNCTIONING. CONTRACTOR SHALL NOTIFY AS-BUILT ENGINEER AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF SWM FACILITIES.
17. PROVIDE LANDSCAPE INSTALLATION FOR THE AREAS OF THE SITE THAT HAVE BEEN CONSTRUCTED PER THE CONSTRUCTION DOCUMENTS.
18. ONCE THE SITE HAS BEEN COMPLETED TO THE EXTENT POSSIBLE WITH SEDIMENT CONTROLS IN PLACE AND HAS BEEN STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS EXCEPT FOR THE SSF DOWNSTREAM OF SEDIMENT TRAP #1. FOR REMOVAL OF THE SEDIMENT TRAPS: FIRST, REMOVE FLOW DIVERSIONS, DEWATER AND CLEAN OUT TRAP AND THEN REMOVE THE SEDIMENT TRAP. FINAL DREDGE TO BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND AN OPEN GRADING PERMIT. AT THE TIME OF THE SEDIMENT TRAP REMOVAL, FOLLOWING DEWATERING AND CLEAN OUT, TILL/REFRACTURE SOILS TO A MINIMUM DEPTH OF 12 INCHES BELOW THE TRAP BOTTOM. FINE GRADE AND STABILIZED DISTURBED AREAS AND ROUGH GRADE THE SWM FACILITIES TO THE ELEVATION OF EACH FACILITY'S EMBANKMENT.
19. WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE REMAINING SWM FACILITY. REFER TO STEP 16 FOR CONSTRUCTION OF SWM FACILITY.
20. PROVIDE REMAINING LANDSCAPING INSTALLATION FOR THE SITE.
21. UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.

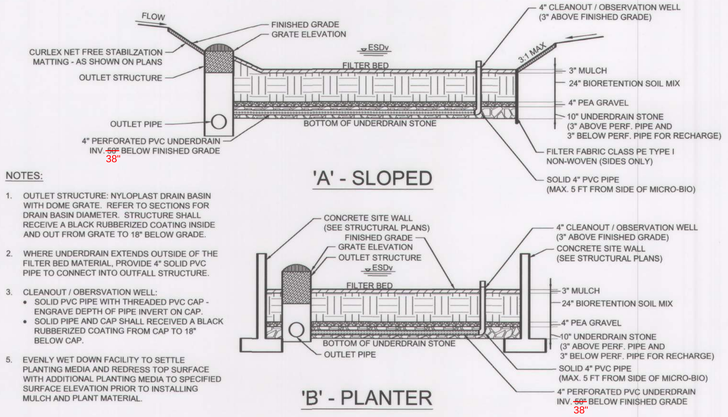
SWM AS-BUILT NOTES

1. **IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITY(IES) AND TO PREPARE, SUBMIT AND PROCESS AS-BUILT DRAWINGS WITH THE AUTHORITIES HAVING JURISDICTION.** "CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE OBSERVATIONS AND/OR INSPECTIONS AT CRUCIAL MILESTONES DURING CONSTRUCTION OF THE FACILITY, MATERIAL TESTS CONDUCTED DURING CONSTRUCTION, AND POST-CONSTRUCTION SURVEYING AND VERIFICATION. VERIFICATION SHALL INCLUDE PHOTODOCUMENTATION CONSISTING OF AT LEAST TEN (10) PHOTOS AT EACH STAGE OF CONSTRUCTION PROGRESS.
2. CRUCIAL MILESTONES INCLUDE, AT A MINIMUM, REGULAR INSPECTIONS MADE AND DOCUMENTED DURING AND AT COMPLETION OF THE FOLLOWING STAGES OF CONSTRUCTION:
   A) EXCAVATION TO SUBGRADE
   B) INSTALLATION OF GEOTEXTILE FABRIC
   C) INSTALLATION OF UNDERDRAIN SYSTEM WITH DRAINAGE STRUCTURE AND OUTFALL PIPE
   D) INSTALLATION ON WETLAND SOIL, PEA GRAVEL AND GRAVEL MEDIA.
   E) UPON COMPLETION OF FINAL GRADING, MULCH INSTALLATION, AND ESTABLISHMENT OF PERMANENT STABILIZATION
3. THE FOLLOWING INFORMATION SHALL BE INCLUDED IN THE SWM AS-BUILT DOCUMENTATION:
   A) COMPLY WITH INSPECTION REQUIREMENTS DURING CONSTRUCTION FOR AS-BUILT CERTIFICATION AS DESCRIBED IN THE MDE STORMWATER MANUAL AND AMENDED TO DATE.
   B) NOTE CHANGES AND DEVIATIONS FROM THE ORIGINAL APPROVED SWM PLANS BY MARKING IN RED OR GREEN ON TOP OF THE ASSOCIATED APPROVED ITEM.
   C) NOTE CONSTRUCTED DATA FOR GRADING CONTOURS, SPOT ELEVATIONS, HORIZONTAL AND VERTICAL DIMENSIONS, INVERTS, PLAN VIEWS, CROSS-SECTIONS, AND DETAILS.
   D) IF CONSTRUCTED VALUES ARE THE SAME AS DESIGN VALUES, PLACE A CHECK MARK NEXT TO THE ASSOCIATED DATA TO INDICATE THE VALUE HAS BEEN VERIFIED.
   E) COMPLETE AS-BUILT TABLES INCLUDED ON DRAWINGS AND SIGN AND SEAL CERTIFICATIONS.

   PROVIDE ADDITIONAL DOCUMENTS SUCH AS PROGRESS AND FINAL PHOTOGRAPHS, INSPECTION REPORTS AND OTHER RELEVANT INFORMATION IN SUPPORT OF THE AS-BUILT DRAWINGS AND DATA TABLES.
4. SUBMIT SWM AS-BUILT TO BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.

OPERATION AND MAINTENANCE SCHEDULE

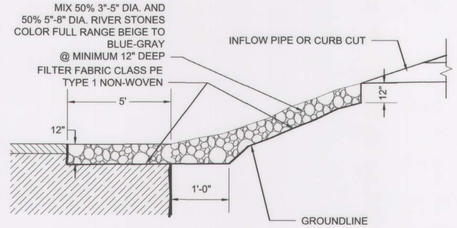
MICRO-BIORETENTION AREAS (M-6)
1. INSPECTION SHALL BE PERFORMED DURING WET WEATHER TO DETERMINE IF THE FACILITY IS FUNCTIONING PROPERLY. VISUAL INSPECTION OF ALL COMPONENTS SHALL BE COMPLETED BY THE OWNER. ALL DRAINS SHALL BE OPENED BY THE OWNER ONCE A YEAR. THE OWNER SHALL KEEP NOTES OF EACH INSPECTION.
2. ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.
3. DEBRIS AND LITTER SHALL BE REMOVED AS A REGULAR OPERATION AND AS NEEDED. ALL APPURTENANCES SHALL BE KEPT FREE OF TRASH.
4. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, TREATMENT OF ALL DISEASED TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES. WATERING OF PLANT MATERIAL MAY BE REQUIRED DURING PROLONGED DRY PERIODS.
5. MULCH SHALL BE INSPECTED EACH SPRING. REPLACE MULCH ANNUALLY WHERE PRACTICE TREATS AREAS WITH HIGH CONCENTRATIONS OF HEAVY METALS. OTHERWISE, REPLACE TOP 2-3 INCHES OF MULCH AS NECESSARY.
6. SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.
7. REMOVE ACCUMULATED SEDIMENT FROM THE SURFACE OF THE FILTER BED WHEN ACCUMULATION EXCEEDS ONE INCH.
8. REMOVE AND REPLACE THE TOP FEW INCHES OF FILTER MATERIAL IF WATER REMAINS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 24 HOURS FOLLOWING ANY STORM EVENT.
9. ALL REQUIRED MAINTENANCE SHALL BE PERFORMED BY THE OWNER OR THE OWNER'S REPRESENTATIVE AT THE OWNER'S EXPENSE.



NOTES:
1. OUTLET STRUCTURE: NYLOPLAST DRAIN BASIN WITH DOME GRATE. REFER TO SECTIONS FOR DRAIN BASIN DIAMETER. STRUCTURE SHALL RECEIVE A BLACK RUBBERIZED COATING INSIDE AND OUT FROM GRATE TO 18" BELOW GRADE.
2. WHERE UNDERDRAIN EXTENDS OUTSIDE OF THE FILTER BED MATERIAL, PROVIDE 4" SOLID PVC PIPE TO CONNECT INTO OUTFALL STRUCTURE.
3. CLEANOUT / OBERSVATION WELL:
   - SOLID PVC PIPE WITH THREADED PVC CAP - ENGRAVE DEPTH OF PIPE INVERT ON CAP.
   - SOLID PIPE AND CAP SHALL RECEIVED A BLACK RUBBERIZED COATING FROM CAP TO 18" BELOW CAP.
5. EVENLY WET DOWN FACILITY TO SETTLE PLANTING MEDIA AND REDRESS TOP SURFACE WITH ADDITIONAL PLANTING MEDIA TO SPECIFIED SURFACE ELEVATION PRIOR TO INSTALLING MULCH AND PLANT MATERIAL.

1 TYPICAL SECTION: MICRO-BIORETENTION

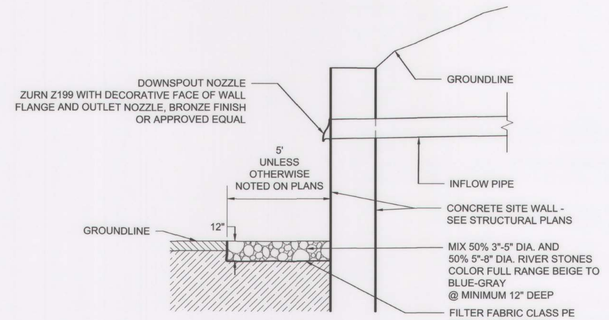
NOT TO SCALE



2 SLOPED INFLOW PROTECTION

NOTE: INSTALL FILTER FABRIC FROM SIDES OF STORMWATER FACILITY THROUGH STONE SO FABRIC IS CONTIGUOUS. WHERE ENDS OF THE FABRIC COME TOGETHER, OVERLAP THE ENDS BY 6 INCHES, FOLDED AND STAPLED.

NOT TO SCALE



3 INFLOW PROTECTION @ WALL

NOT TO SCALE

PROJECT INFORMATION:	OWNER/DEVELOPER:	DESIGN PROFESSIONAL:
JACKSONVILLE SENIOR CENTER EXPANSION 3601 SWEET AIR ROAD PHOENIX, MD 21131 ELECTION DISTRICT 10 COUNCILMANIC DISTRICT 3	BALTIMORE COUNTY PROPERTY MANAGEMENT 12200A LONG GREEN PIKE GLEN ARM, MARYLAND 21057 410-887-3861 CONTACT: LOUISA RETTEW	SITE RESOURCES, INC. 4 NORTH PARK DRIVE, SUITE 100 COCKEYSVILLE, MD 21030 410-683-3388 CONTACT: EMILY MAGNESS EMAGNESS@SITERESOURCESINC.COM

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

SEAL — STATE OF MARYLAND — 9297 — LICENSED PROFESSIONAL ENGINEER
DATE: 02/11/2025

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 42977, EXPIRATION DATE 06/07/2025.
ENGINEER: PETER SOPRANO
SITERESOURCES — Creative Design. Successfully Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com
DGN BY: EAM | DWN BY: L. H | CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	UNE	78NE11 78NE12 79NE11 79NE12
CONTRACT COMPLETION BOX					

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE:
PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
STORMWATER MANAGEMENT DETAILS
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C521	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 29 OF 195	
DRAWING NUMBER	2025-0247
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: © SITE RESOURCES, INC. Z:\2023\2311-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C521&PM DETAILS.DWG 2/10/2025 3:36 PM AMJ

GEOTECH ENGINEERS, INC.

LOG OF BORING No. SWM-1

PROJECT: Jacksonville Senior Center — PROJECT NO.: 432812E
CLIENT: Grimm and Parker Architects
PROJECT LOCATION: 3605 Sweet Air Road, Pheonix, MD
LOCATION: See Plan — ELEVATION: 572
DRILLER: Free State Drilling, Inc. — LOGGED BY: PP
DRILLING METHOD: Hollow Stem Auger — DATE: 01/12/2024
DEPTH TO - WATER> INITIAL: None — AFTER 24 HOURS: Dry — CAVING> 15'

Elevation & Depth (feet)	Description	Graphic	Stratum	Infiltration Rate, in/hr	Blow Counts	TEST RESULTS: Plastic Limit — Water Content - + — Liquid Limit; Penetration - Δ
570 / 0	Brown and gray silty SAND (SM), trace mica, moist				3 4 4	10 20 30 40 50
	(USDA: Sand)				2 3 3	6
					3 4 6	10
565 / 5	- black weathered rock fragments at 8.5'				5 6 7	13
					3 4 7	11
560 / 10	Boring terminated at 15 ft.					
555 / 15						
550 / 20						
545 / 25						
540 / 30						
535 / 35						

PVC pipe installed to a depth of 15' for overnight groundwater readings

Figure — PAGE 1 of 1

GEOTECH ENGINEERS, INC.

LOG OF BORING No. SWM-2

PROJECT: Jacksonville Senior Center — PROJECT NO.: 432812E
CLIENT: Grimm and Parker Architects
PROJECT LOCATION: 3605 Sweet Air Road, Pheonix, MD
LOCATION: See Plan — ELEVATION: 562
DRILLER: Free State Drilling, Inc. — LOGGED BY: PP
DRILLING METHOD: Hollow Stem Auger — DATE: 01/15/2024
DEPTH TO - WATER> INITIAL: None — AFTER 24 HOURS: Dry — CAVING> 15'

Elevation & Depth (feet)	Description	Graphic	Stratum	Infiltration Rate, in/hr	Blow Counts	TEST RESULTS: Plastic Limit — Water Content - + — Liquid Limit; Penetration - Δ
560 / 0	3" Topsoil				4 4 5	10 20 30 40 50
	Brown silty SAND with gravel (SM), trace mica, moist				4 5 6	8
	(USDA: Sandy Loam)				3 5 6	11
555 / 5	- black weathered rock fragments at 8.5'				5 5 6	11
					3 5 5	9
550 / 10	Boring terminated at 15 ft.					
545 / 15						
540 / 20						
535 / 25						
530 / 30						
525 / 35						

PVC pipe installed to a depth of 15' for overnight groundwater readings.

Figure — PAGE 1 of 1

GEOTECH ENGINEERS, INC.

LOG OF BORING No. SWM-3

PROJECT: Jacksonville Senior Center — PROJECT NO.: 432812E
CLIENT: Grimm and Parker Architects
PROJECT LOCATION: 3605 Sweet Air Road, Pheonix, MD
LOCATION: See Plan — ELEVATION: 566
DRILLER: Free State Drilling, Inc. — LOGGED BY: PP
DRILLING METHOD: Hollow Stem Auger — DATE: 01/15/2024
DEPTH TO - WATER> INITIAL: None — AFTER 24 HOURS: Dry — CAVING> 10'

Elevation & Depth (feet)	Description	Graphic	Stratum	Infiltration Rate, in/hr	Blow Counts	TEST RESULTS: Plastic Limit — Water Content - + — Liquid Limit; Penetration - Δ
565 / 0	3" Topsoil				3 3 4	10 20 30 40 50
	Brown silty SAND (SM), trace mica, moist				3 3 3	7
	(USDA: Sand)				5 8 8	8
560 / 5	- Brown and gray at 3.5'				6 8 13	13
						21
555 / 10	Boring terminated at 10 ft.					
550 / 15						
545 / 20						
540 / 25						
535 / 30						
530 / 35						

PVC pipe installed to a depth of 10' for overnight groundwater readings.

Figure — PAGE 1 of 1

GEOTECH ENGINEERS, INC.

LOG OF BORING No. SWM-4

PROJECT: Jacksonville Senior Center — PROJECT NO.: 432812E
CLIENT: Grimm and Parker Architects
PROJECT LOCATION: 3605 Sweet Air Road, Pheonix, MD
LOCATION: See Plan — ELEVATION: 570
DRILLER: Free State Drilling, Inc. — LOGGED BY: PP
DRILLING METHOD: Hollow Stem Auger — DATE: 01/11/2024
DEPTH TO - WATER> INITIAL: 6.5' — AFTER 24 HOURS: 6.8' — CAVING> 10'

Elevation & Depth (feet)	Description	Graphic	Stratum	Infiltration Rate, in/hr	Blow Counts	TEST RESULTS: Plastic Limit — Water Content - + — Liquid Limit; Penetration - Δ
570 / 0	3" Topsoil				1 2 2	10 20 30 40 50
	Brown sandy SILT (FILL), trace mica, moist				1 1 1	2
565 / 5	- wet at 6.0'				1 1 2	2
					2 2 3	19
560 / 10	Brown and gray silty SAND (SM), trace mica, moist — 8.5'					
	Boring terminated at 10 ft.					
555 / 15						
550 / 20						
545 / 25						
540 / 30						
535 / 35						

PVC pipe installed to a depth of 10' for overnight groundwater readings.

Figure — PAGE 1 of 1

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

DWG. FILENAME: Z:\22\2213-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C52LSWM_DETAILS.DWG 2/10/2025 3:36 PM rsw

© SITE RESOURCES, INC.

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
1220A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
DATE: 02/11/2025

SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

KEY SHEET	POSITION SHT
UNK	78NE11
	78NE12
	79NE11
	79NE12

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SWM BORINGS
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C522	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 30 OF 195	
DRAWING NUMBER	2025-0248
FILE NO.: 8	

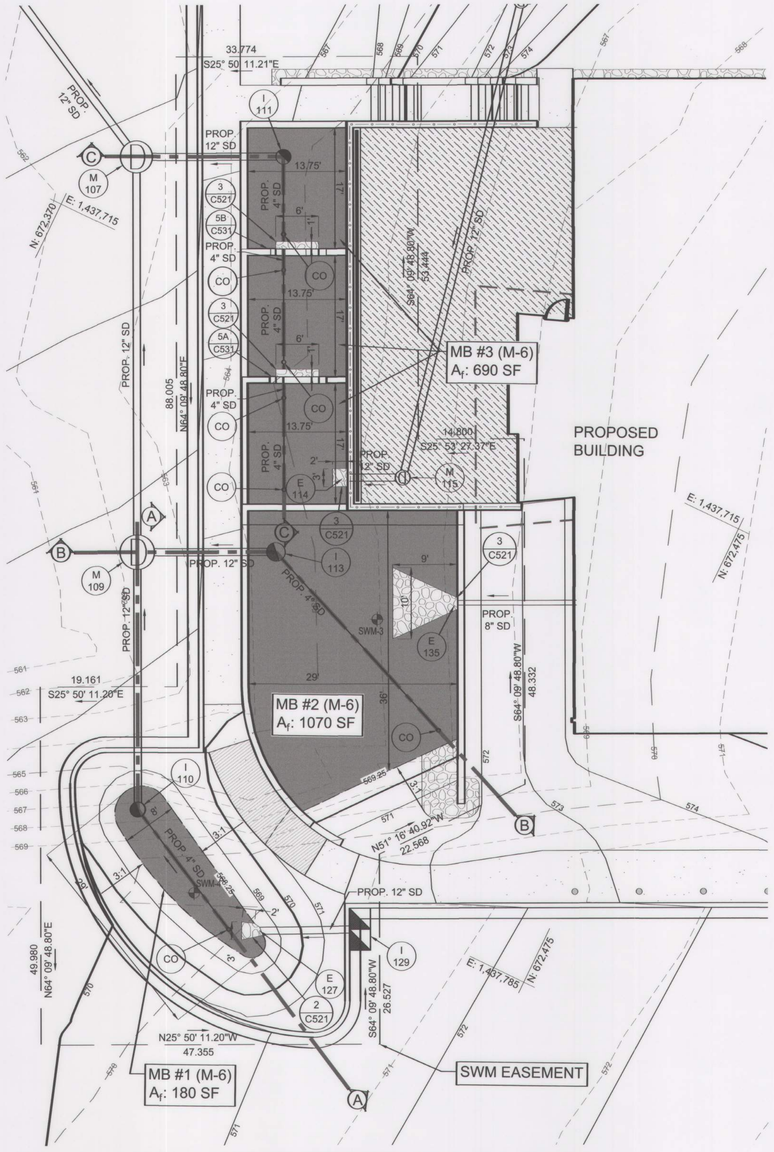
COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING SIGN
- EXISTING TREES
- EXISTING STORM DRAIN (EX. SD)
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING PROPANE TANK
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING LIGHTING
- EXISTING CONTOURS (350 / 348)
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED WOODSLINE
- PROPOSED SWM
- PROPOSED CROSSWALK
- PROPOSED STORM DRAIN (PROP. 15" SD)
- PROPOSED CONTOURS (350 / 348)

FOREST CONSERVATION VARIANCE NOTE

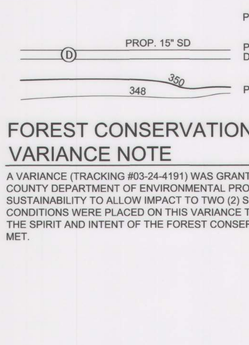
A VARIANCE (TRACKING #03-24-4191) WAS GRANTED BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY TO ALLOW IMPACT TO TWO (2) SPECIMEN TREES. CONDITIONS WERE PLACED ON THIS VARIANCE TO ENSURE THAT THE SPIRIT AND INTENT OF THE FOREST CONSERVATION LAW ARE MET.

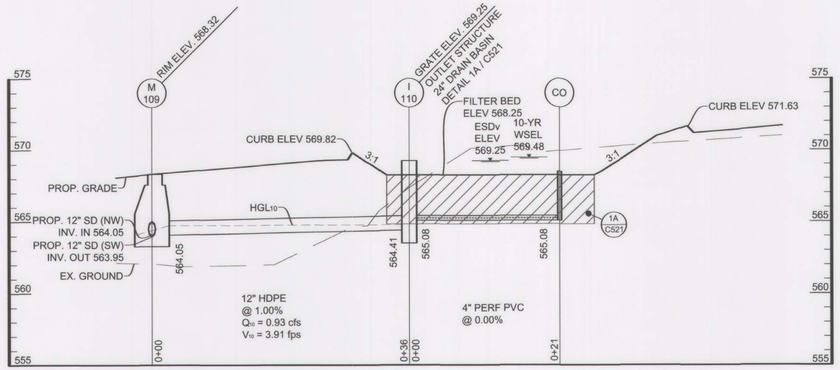


1 M-6 MICRO BIORETENTIONS #1, 2 & 3

1" = 10'

SCALE: 1" = 10'

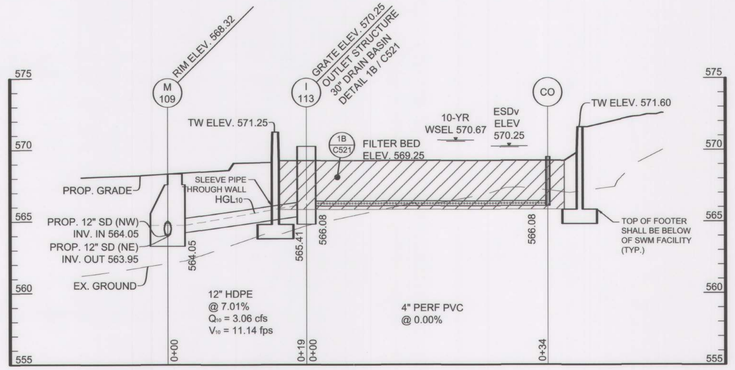




2 SECTION A-A: MB #1

NOTE: REFER TO STRUCTURE TABLE ON SHEET C302 FOR DOWNSTREAM STORM DRAIN STRUCTURE INFORMATION.

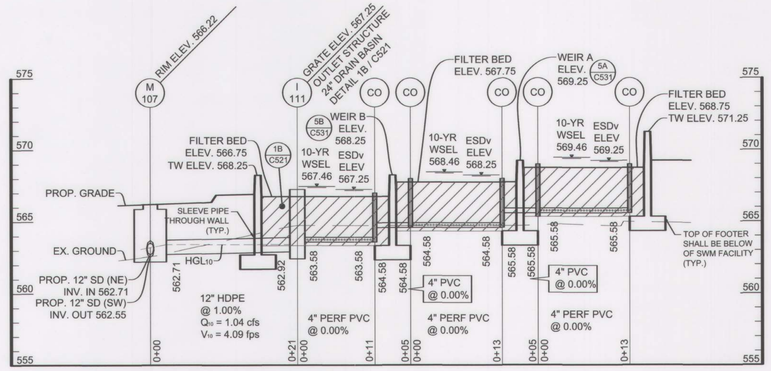
SCALES: HORIZ. 1" = 10'
VERT. 1" = 5'



3 SECTION B-B: MB #2

NOTE: REFER TO STRUCTURE TABLE ON SHEET C302 FOR DOWNSTREAM STORM DRAIN STRUCTURE INFORMATION.

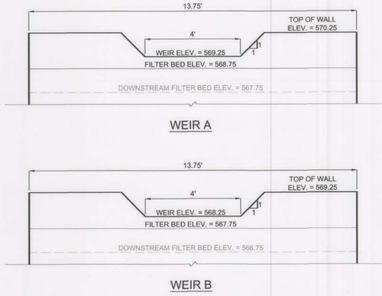
SCALES: HORIZ. 1" = 10'
VERT. 1" = 5'



4 SECTION C-C: MB #3

NOTE: REFER TO STRUCTURE TABLE ON SHEET C302 FOR DOWNSTREAM STORM DRAIN STRUCTURE INFORMATION.

SCALES: HORIZ. 1" = 10'
VERT. 1" = 5'



5 WEIR ELEVATIONS

NOTE: REFER TO STRUCTURAL PLANS FOR WALL SECTION DETAILS.

PROJECT INFORMATION:	OWNER/DEVELOPER:	DESIGN PROFESSIONAL:
JACKSONVILLE SENIOR CENTER EXPANSION 3601 SWEET AIR ROAD PHOENIX, MD 21131 ELECTION DISTRICT 10 COUNCILMANIC DISTRICT 3	BALTIMORE COUNTY PROPERTY MANAGEMENT 12200A LONG GREEN PIKE GLEN ARM, MARYLAND 21057 410-887-3861 CONTACT: LOUISA RETTEW	SITE RESOURCES, INC. 4 NORTH PARK DRIVE, SUITE 100 COCKEYSVILLE, MD 21030 410-683-3388 CONTACT: EMILY MAGNESS EMAGNESS@SITERESOURCESINC.COM

APPROVED: Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SEAL

PROFESSIONAL CERTIFICATION

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LICENSE NO. 42977, EXPIRATION DATE 06/07/2025

DATE : 02/11/2025

ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				UNE	78NR11
			R.O.W NO.		78NR12
CONTRACT COMPLETION BOX					79NR11
					79NR12

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SWM PLANS & SECTIONS I
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

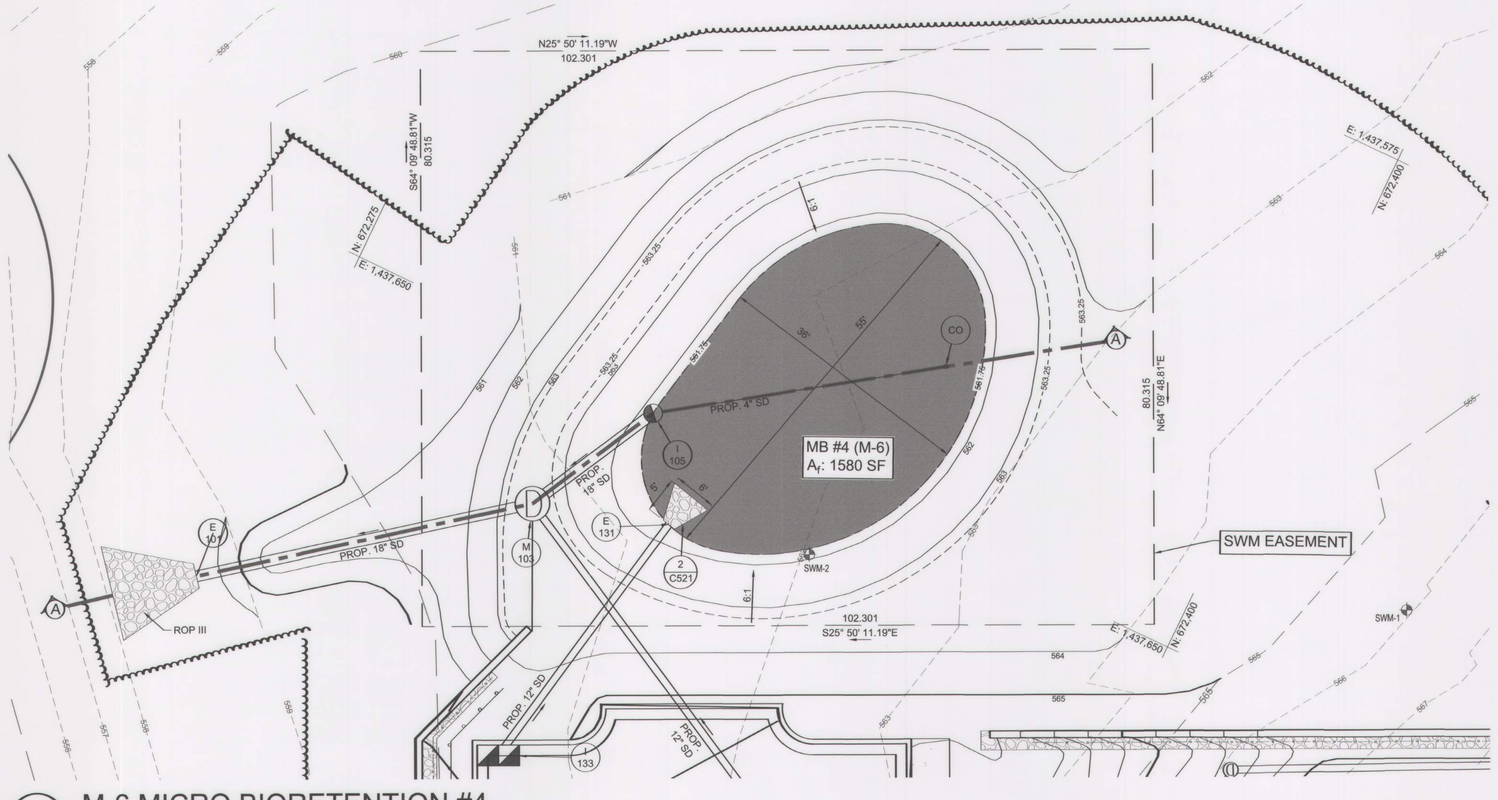
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C531	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 31 OF 195	
DRAWING NUMBER	2025-0249
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

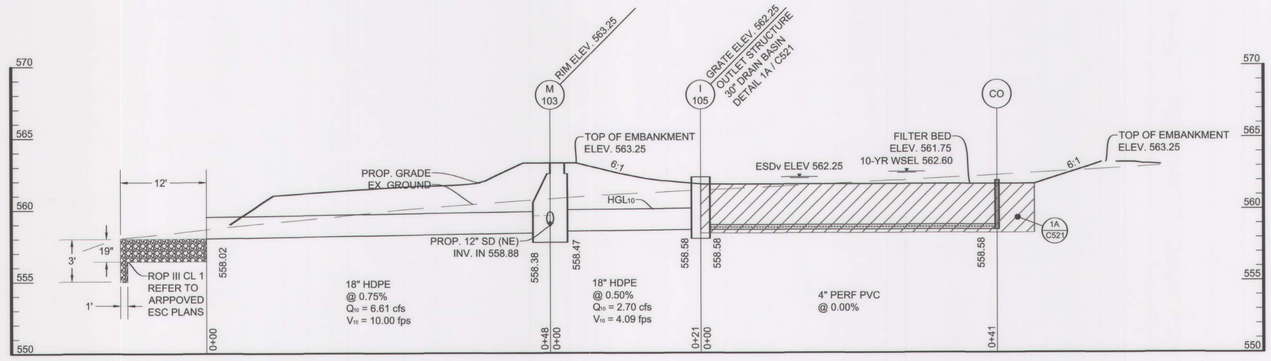
COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: © SITE RESOURCES, INC. Z:\22\22113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C531SWM PLANS AND SECTIONS.DWG 2/10/2025 3:37 PM rsw



1 M-6 MICRO BIORETENTION #4

1' = 10'



2 SECTION A-A: MB #4

NOTE: REFER TO STRUCTURE TABLE ON SHEET C302 FOR DOWNSTREAM STORM DRAIN STRUCTURE INFORMATION.

SCALES: HORIZ. 1" = 10'
VERT. 1" = 5'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING SIGN
- EXISTING TREES
- EXISTING STORM DRAIN (EX. SD D)
- EXISTING WATER (W)
- EXISTING SANITARY SEWER (S)
- EXISTING PROPANE TANK
- EXISTING TELEPHONE (T)
- EXISTING ELECTRIC (E)
- EXISTING LIGHTING
- EXISTING CONTOURS (350 / 348)
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED WOODSLINE
- PROPOSED SWM
- PROPOSED CROSSWALK
- PROPOSED STORM DRAIN (PROP. 15" SD D)
- PROPOSED CONTOURS (350 / 348)

0 2 5 10 20 30
SCALE: 1" = 10'

NORTH

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME: © SITE RESOURCES, INC. 2:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C532SWM PLANS AND SECTIONS.DWG 2/11/2025 2:21 PM rww

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL

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LICENSE NO. 42977 , EXPIRATION DATE 06/07/2025

ENGINEER: PETER SOPRANO
SITERESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE11
	78NE12
	79NE11
	79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:						
DATE REVIEWED:						

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SWM PLANS & SECTIONS II
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C532	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 32 OF 195	
DRAWING NUMBER	2025-0250
FILE NO.: 8	REV.

BALTIMORE COUNTY MARYLAND

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

PLANT SCHEDULE SWM AREA

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING	REMARKS
SHRUBS					
CK	159	CORNUS SERICEA 'KELSEYI' / KELSEY'S DWARF RED TWIG DOGWOOD	24" HT / CONT.	AS SHOWN	FULL/HEAVY; 5 CANE MIN.
IS	77	ILEX GLABRA 'SHAMROCK' / SHAMROCK INKBERRY HOLLY	36" HT / CONT.	AS SHOWN	CONSISTENT FORM; FULL/HEAVY; 5 CANE MIN
IG	16	ILEX GLABRA 'SMNIGAB17' / GEM BOX® INKBERRY HOLLY	24" HT / CONT.	AS SHOWN	FULLY BRANCHED; FULL / HEAVY
PERENNIALS, GRASSES, & GROUNDCOVERS					
AH	197	AMSONIA HUBRICHTII / ARKANSAS BLUESTAR	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
EO	57	ECHINACEA X 'TNECHKR' / KISMET® RASPBERRY CONEFLOWER	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER
ED	329	EUTROCHIUM DUBIUM 'LITTLE JOE' / LITTLE JOE PYE WEED	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
IV	337	IRIS VERSICOLOR / BLUE FLAG IRIS	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
JE	515	JUNCUS EFFUSUS / SOFT RUSH	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
MC	14	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	#2 CONT.	24" O.C.	FULLY ROOTED CONTAINER
OS	53	OPHIOPOGON JAPONICUS 'SILVER MIST' / SILVER MIST MONDO GRASS	#2 CONT.	18" O.C.	FULLY ROOTED CONTAINER
PS	98	PANICUM VIRGATUM 'SHENANDOAH' / SHENANDOAH SWITCH GRASS	#2 CONT.	24" O.C.	FULLY ROOTED CONTAINER
RG	55	RUDBECKIA X 'AMERICAN GOLD RUSH' / AMERICAN GOLD RUSH BLACK-EYED SUSAN	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER
SR	243	SOLIDAGO RUGOSA 'FIREWORKS' / FIREWORKS WRINKLELEAF GOLDENROD	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
VN	119	VERNONIA NOVEBORACENSIS / COMON IRONWEED	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER

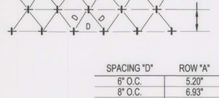
LANDSCAPE NOTES

(THESE NOTES APPLY TO ALL PLANTING IN THIS CONTRACT)

1. QUANTITIES SHOWN ON THE PLANT LIST ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. SYMBOLS ON THE PLAN SHALL TAKE PRECEDENCE. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES TO HIS OWN SATISFACTION.
2. PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
3. PLANT MATERIAL SHALL BE TAGGED AT THE SOURCE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE UNLESS THE REQUIREMENT IS SPECIFICALLY WAIVED.
4. LOCATIONS OF ALL PLANT MATERIAL SHALL BE STAKED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
5. ALL SHRUB AND GROUND COVER AREAS SHALL BE PLANTED IN CONTINUOUS PREPARED BEDS MULCHED WITH COMPOSTED HARDWOOD MULCH AS DETAILED AND SPECIFIED.
6. PLANTING BEDS SHALL HAVE POSITIVE DRAINAGE WITH A MINIMUM 2% SLOPE. REFER TO STORMWATER MANAGEMENT PLANS, DETAILS AND NOTES FOR PROPOSED GRADES WITHIN STORMWATER MANAGEMENT FACILITIES.
7. CONTRACTOR SHALL VERIFY ACCURACY OF BASE INFORMATION AND EXISTING CONDITIONS AND UTILITIES IN THE FIELD TO HIS OWN SATISFACTION. UTILITIES BID SHALL BE BASED ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF TWO WORKING DAYS PRIOR TO BEGINNING PLANTING AND CONSTRUCTION.
9. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED AND RESTORED AT THE EXPENSE OF THE CONTRACTOR.
10. ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN NURSERY & LANDSCAPE ASSOCIATION'S AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1.

GENERAL NOTES

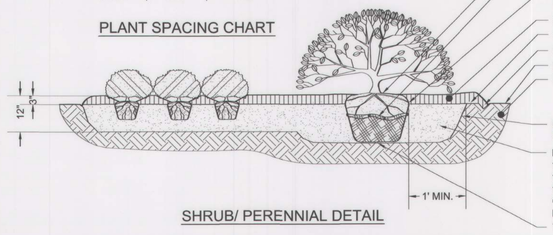
1. REFER TO SHEET C511 FOR CONSTRUCTION SPECIFICATIONS FOR MICRO-BIORETENTION.
2. REFER TO SHEET C511 FOR THE OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION AREAS (M-6).



NOTE:
FOR USE ONLY WHEN PLANTS ARE SPACED EQUIDISTANT FROM EACH OTHER AS SHOWN, AND SPECIFIED IN THE PLANT LIST.

SPACING "D"	ROW "A"	PLANTS / S.F.
6" O.C.	5.20"	4.61
8" O.C.	6.93"	2.60
10" O.C.	8.66"	1.66
12" O.C.	10.40"	1.15
15" O.C.	13.00"	.738
18" O.C.	15.60"	.512
24" O.C.	20.80"	.290
30" O.C.	26.00"	.185
36" O.C.	30.00"	.128

PLANT SPACING CHART

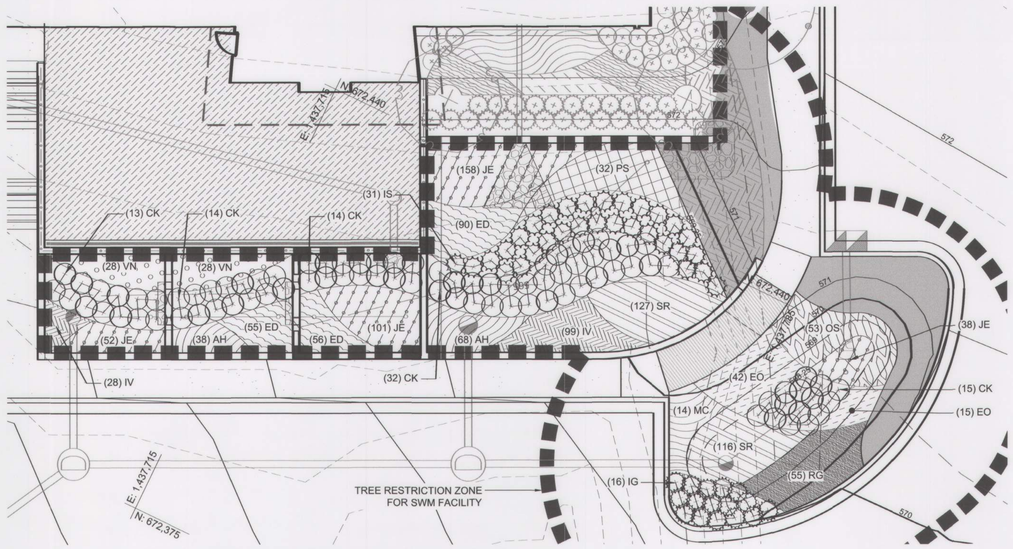


SHRUB/ PERENNIAL DETAIL

3 SHRUB/PERENNIAL PLANTING DETAILS

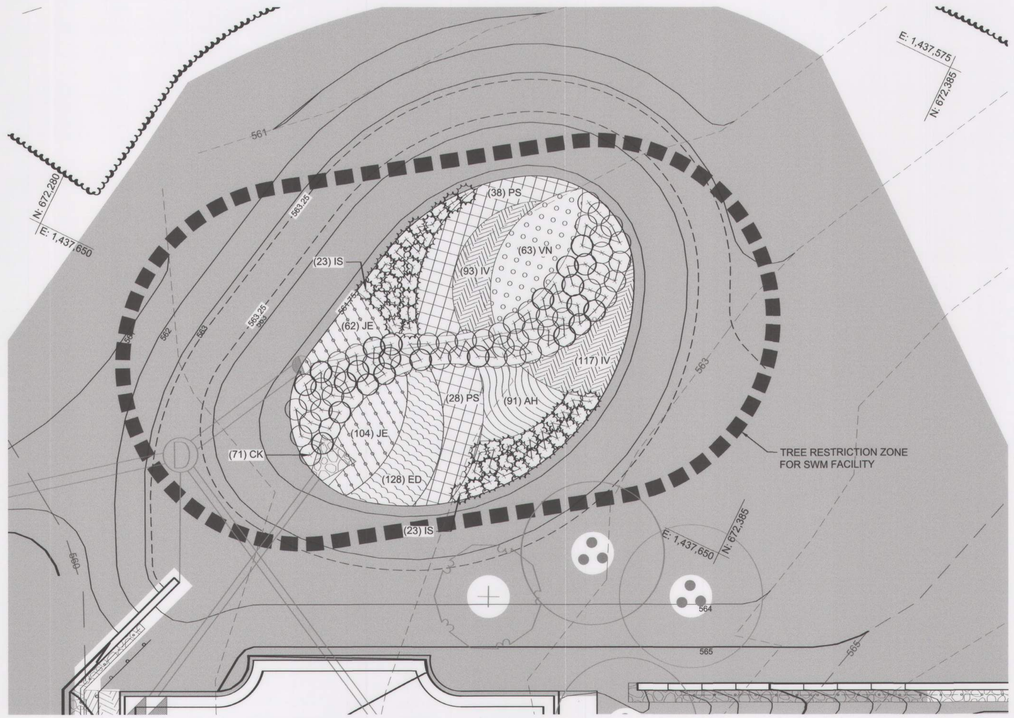
NOT TO SCALE

NOTES:
1. CONTRACTOR SHALL LOOSEN ROOTS OF ALL CONTAINER GROWN MATERIAL TO ENCOURAGE LATERAL GROWTH OF ROOTS.
2. CONTRACTOR SHALL SCARIFY SIDES OF SHRUB PIT TO ELIMINATE SPADE GLAZING.
3. PERENNIALS SHALL BE PLANTED IN 12" DEPTH



1 M-6 MICRO-BIORETENTION #1, #2 & #3

1' = 10'



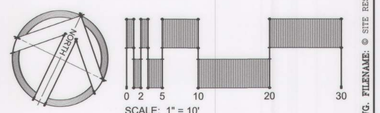
2 M-6 MICRO-BIORETENTION #4

1' = 10'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING CONTOURS (350 / 348)
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED WOODSLINE
- PROPOSED STORM DRAIN (D)
- PROPOSED CONTOURS (350 / 348)
- PROPOSED SHRUBS
- PROPOSED PERENNIALS, GRASSES
- PROPOSED SOD

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY



PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL — STATE OF MARYLAND — PETER SOPRANO — 9281 — PROFESSIONAL ENGINEER
DATE: 02/11/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 42977, EXPIRATION DATE 06/07/2025
ENGINEER: PETER SOPRANO
SITERESOURCES — Creative Design. Successfully Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com
DGN BY: EAM
DWN BY: L. H
CHKD BY: RSW/KPR

AS-BUILT / REVISION

BY	DATE	

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION
REVIEWED BY:
DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

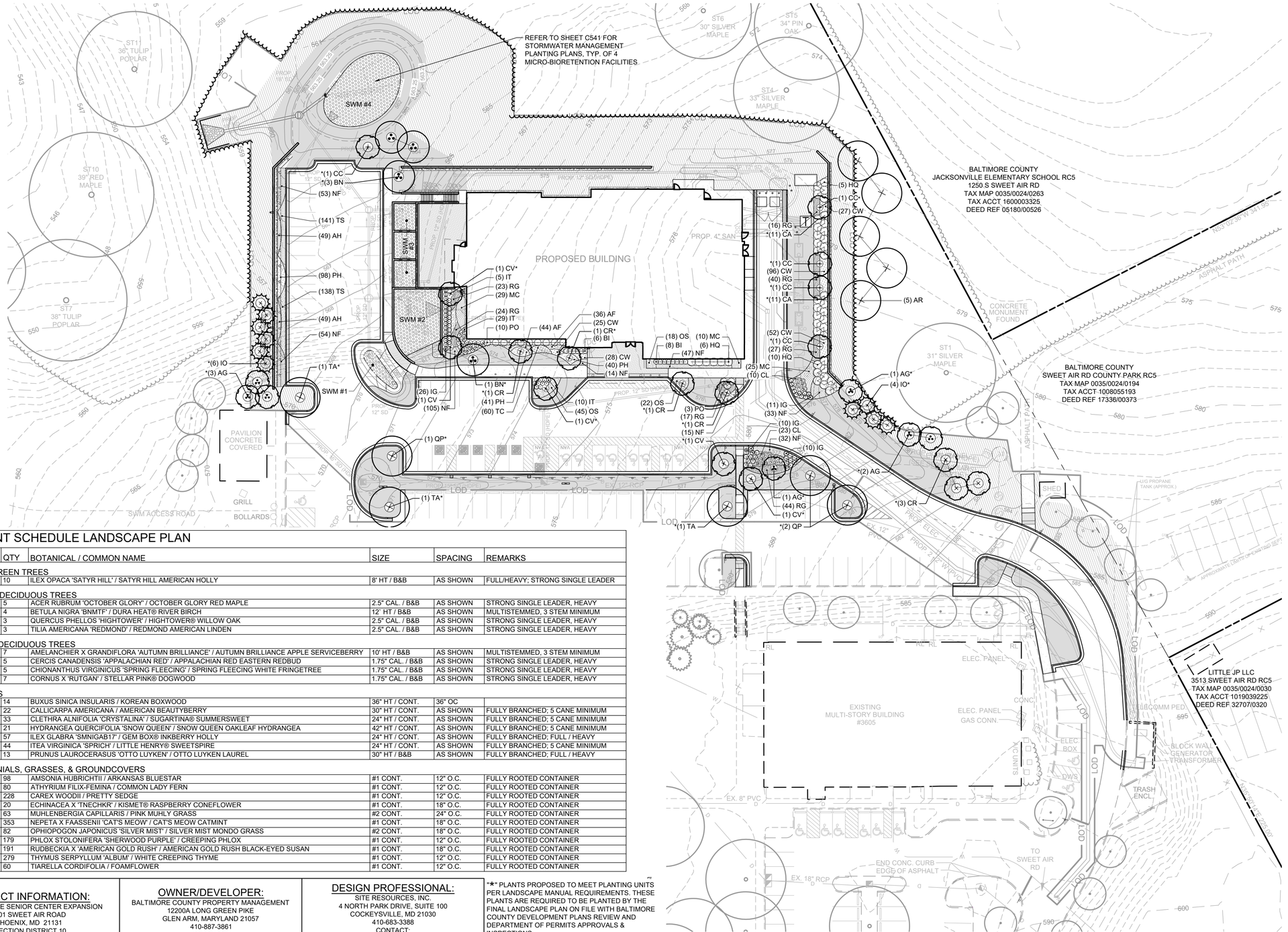
JACKSONVILLE SENIOR CENTER
SWM PLANTING PLAN
100% CONSTRUCTION DOCUMENTS 01/20/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE — ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
C541	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 33 OF 195
	DRAWING NUMBER
	2025-0251
	FILE NO.: 8

COUNTY SUBMISSIONS 02/11/25
REISSUED FOR BID DOCUMENTS 5/15/2025

DWG. FILENAME: © SITE RESOURCES, INC. Z:\25\25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\C541 SWM PLANTING PLANS.DWG 2/10/2025 3:38 PM AMT



LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING CONTOURS
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE WITH INTEGRAL COLOR
- PROPOSED GUARDRAIL
- PROPOSED SIGN
- PROPOSED STORM DRAIN
- PROPOSED WATER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY FORCE MAIN
- PROPOSED TELECOMMUNICATIONS
- PROPOSED ELECTRIC
- PROPOSED LIGHT POLE
- PROPOSED CONTOURS
- PROPOSED SWM
- LIMIT OF DISTURBANCE
- PROPOSED TREE (MULTI-STEM SHADE TREE; SINGLE STEM SHADE TREE; EVERGREEN TREE; MULTI-STEM ORNAMENTAL TREE; SINGLE STEM ORNAMENTAL TREE)
- PROPOSED SHRUBS
- PROPOSED PERENNIALS, GRASSES
- PROPOSED SOD
- PROPOSED SEEDING

PLANT SCHEDULE LANDSCAPE PLAN

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING	REMARKS
EVERGREEN TREES					
* IO	10	ILEX OPACA 'SATYR HILL' / SATYR HILL AMERICAN HOLLY	8' HT / B&B	AS SHOWN	FULL/HEAVY; STRONG SINGLE LEADER
MAJOR DECIDUOUS TREES					
AR	5	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	2.5" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
* BN	4	BETULA NIGRA 'BNMTF' / DURA HEAT® RIVER BIRCH	12' HT / B&B	AS SHOWN	MULTISTEMMED, 3 STEM MINIMUM
* QP	3	QUERCUS PHELLOS 'HIGHTOWER' / HIGHTOWER® WILLOW OAK	2.5" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
* TA	3	TILIA AMERICANA 'REDMOND' / REDMOND AMERICAN LINDEN	2.5" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
MINOR DECIDUOUS TREES					
* AG	7	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE APPLE SERVICEBERRY	10' HT / B&B	AS SHOWN	MULTISTEMMED, 3 STEM MINIMUM
* CC	5	CERCIS CANADENSIS 'APPALACHIAN RED' / APPALACHIAN RED EASTERN REDBUD	1.75" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
* CV	5	CHIONANTHUS VIRGINICUS 'SPRING FLEECING' / SPRING FLEECING WHITE FRINGETREE	1.75" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
* CR	7	CORNUS X 'RUTGAN' / STELLAR PINK® DOGWOOD	1.75" CAL. / B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
SHRUBS					
BI	14	BUXUS SINICA INSULARIS / KOREAN BOXWOOD	36" HT / CONT.	36" OC	
* CA	22	CALLICARPA AMERICANA / AMERICAN BEAUTYBERRY	30" HT / CONT.	AS SHOWN	FULLY BRANCHED; 5 CANE MINIMUM
CL	33	CLETHRA ALNIFOLIA 'CRYSTALINA' / SUGARTINA® SUMMERSWEET	24" HT / CONT.	AS SHOWN	FULLY BRANCHED; 5 CANE MINIMUM
HQ	21	HYDRANGEA QUERCIFOLIA 'SNOW QUEEN' / SNOW QUEEN OAKLEAF HYDRANGEA	42" HT / CONT.	AS SHOWN	FULLY BRANCHED; 5 CANE MINIMUM
IG	57	ILEX GLABRA 'SMNIGAB17' / GEM BOX® INKBERRY HOLLY	24" HT / CONT.	AS SHOWN	FULLY BRANCHED; FULL / HEAVY
IT	44	ITEA VIRGINICA 'SPRICH' / LITTLE HENRY® SWEETSPIRE	24" HT / CONT.	AS SHOWN	FULLY BRANCHED; 5 CANE MINIMUM
PO	13	PRUNUS LAUROCERASUS 'OTTO LUYKEN' / OTTO LUYKEN LAUREL	30" HT / B&B	AS SHOWN	FULLY BRANCHED; FULL / HEAVY
PERENNIALS, GRASSES, & GROUNDCOVERS					
AH	98	AMSONIA HUBRICHTII / ARKANSAS BLUESTAR	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
AF	80	ATHYRIUM FILIX-FEMINA / COMMON LADY FERN	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
CW	228	CAREX WOODII / PRETTY SEDGE	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
EO	20	ECHINACEA X 'TNECHKR' / KISMET® RASPBERRY CONEFLOWER	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER
MC	63	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	#2 CONT.	24" O.C.	FULLY ROOTED CONTAINER
NF	353	NEPETA X FAASSENII 'CAT'S MEOW' / CAT'S MEOW CATMINT	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER
OS	82	OPHIOPOGON JAPONICUS 'SILVER MIST' / SILVER MIST MONDO GRASS	#2 CONT.	18" O.C.	FULLY ROOTED CONTAINER
PH	179	PHLOX STOLONIFERA 'SHERWOOD PURPLE' / CREEPING PHLOX	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
RG	191	RUDBECKIA X 'AMERICAN GOLD RUSH' / AMERICAN GOLD RUSH BLACK-EYED SUSAN	#1 CONT.	18" O.C.	FULLY ROOTED CONTAINER
TS	279	THYMUS SERPYLLUM 'ALBUM' / WHITE CREEPING THYME	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER
TC	60	TIARELLA CORDIFOLIA / FOAMFLOWER	#1 CONT.	12" O.C.	FULLY ROOTED CONTAINER

GENERAL NOTES

1. REFER TO L201 AND L202 FOR PLANTING DETAILS
2. SOME PLANTS PROPOSED ON THIS PLAN ARE REQUIRED BY THE FINAL LANDSCAPE PLAN APPROVED BY BALTIMORE COUNTY. THESE PLANTS ARE INDICATED WITH AN ASTERISK (*) ON THE PLANT SCHEDULE AND NEXT TO THEIR LABEL ON THE PLAN.

FOREST CONSERVATION VARIANCE NOTE

A VARIANCE (TRACKING #03-24-4191) WAS GRANTED BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY TO ALLOW IMPACT TO TWO (2) SPECIMEN TREES. CONDITIONS WERE PLACED ON THIS VARIANCE TO ENSURE THAT THE SPIRIT AND INTENT OF THE FOREST CONSERVATION LAW ARE MET.

NORTH

0 10 20 30 50 100

SCALE: 1" = 30'

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

"★" PLANTS PROPOSED TO MEET PLANTING UNITS PER LANDSCAPE MANUAL REQUIREMENTS. THESE PLANTS ARE REQUIRED TO BE PLANTED BY THE FINAL LANDSCAPE PLAN ON FILE WITH BALTIMORE COUNTY DEVELOPMENT PLANS REVIEW AND DEPARTMENT OF PERMITS APPROVALS & INSPECTIONS.

SEAL — STATE OF MARYLAND · REBEKAH S. WOLF · 4238 · LANDSCAPE ARCHITECT · 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 4238 EXPIRATION DATE 02/03/2026

LANDSCAPE ARCHITECT: REBEKAH WOLF

SITERESOURCES — Creative Design. Sustainably Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | UNE | 78NE11 78NE12 79NE11 79NE12

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

DRAWING SCALE — PLAN SCALE: AS SHOWN — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
PLANTING PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

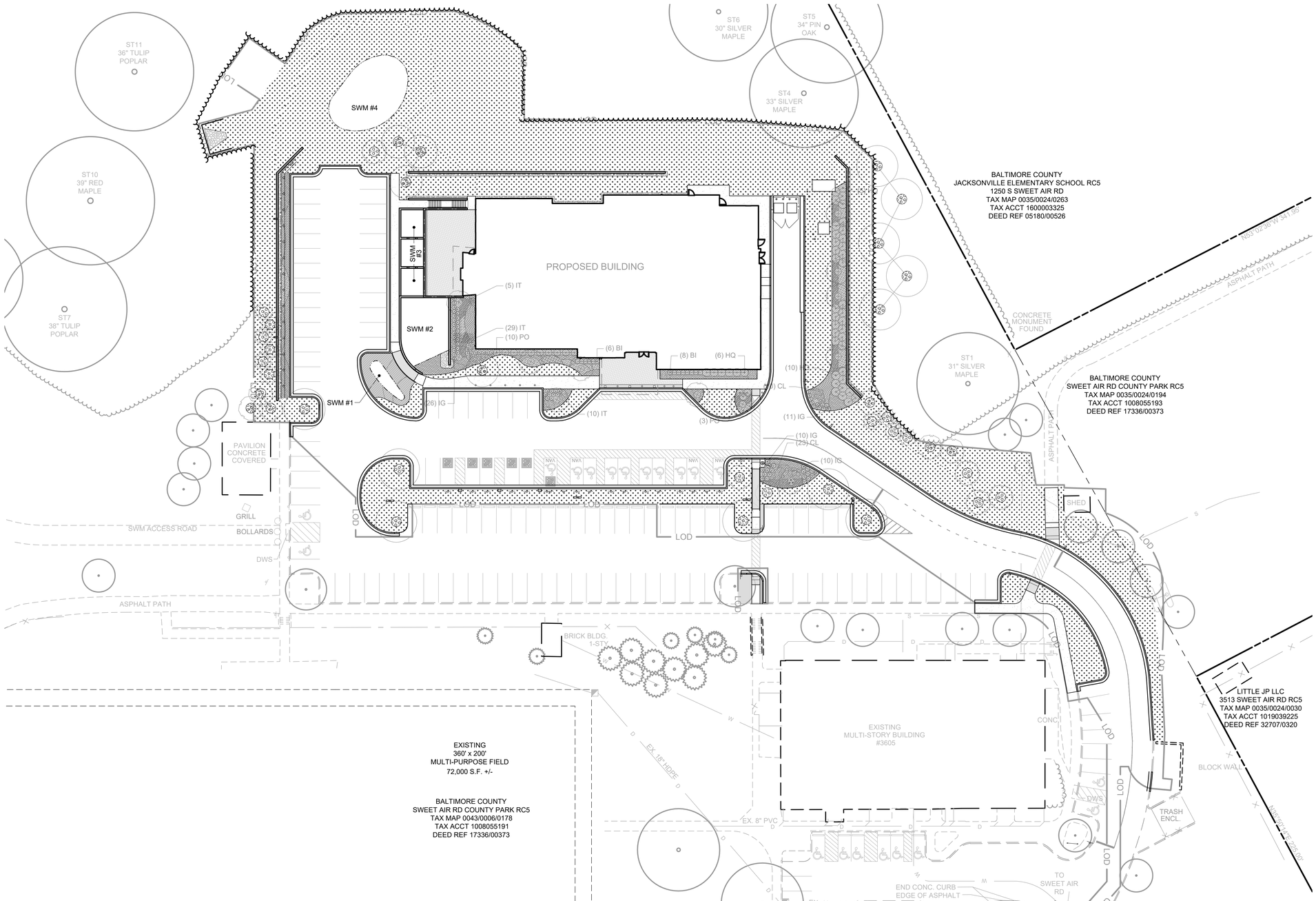
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SHEET DESIGNATION	CONTRACT NUMBER
L101	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 34 OF195
	DRAWING NUMBER
	2025-0252
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG. FILENAME: © SITE RESOURCES, INC. 2_22122113-BACO_NEW JACKSONVILLE SENIOR CENTER 04-DWG\L01 PLANTING PLAN.DWG 5/13/2025 10:07 AM rsw

BID DOCUMENTS 5/15/2025



DEPTH OF ROOTBALL/CONTAINER OR 12" MIN PLANTING SOIL

SUBSOIL

A PLANTING BED

NOT TO SCALE

2x WIDTH OF ROOTBALL

DEPTH OF ROOTBALL PER DETAIL ON L201

SUBSOIL

B TREE PLANTING AREAS

NOT TO SCALE

4" PLANTING SOIL

SUBSOIL

C LAWN AREAS

NOT TO SCALE

GENERAL SHEET NOTES

1. REFER TO DRAWING C521 FOR MDSHA BIORETENTION SOIL MIX FOR SWM #1-4

NORTH

0 10 20 30 50 100

SCALE: 1" = 30'

DWG. FILENAME: © SITE RESOURCES, INC. Z:\23\23113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\L111 SOIL PREPARATION PLAN.DWG 5/13/2025 10:07 AM FRW

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

*

SEAL

STATE OF MARYLAND — REBEKAH S. WOLF — 4238 — LANDSCAPE ARCHITECT — 05/15/2025

DATE : 05/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 4238, EXPIRATION DATE 02/03/2026

LANDSCAPE ARCHITECT: REBEKAH WOLF

SITE RESOURCES
Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
R.O.W NO.		78NE12
		79NE11
		79NE12

DRAWING SCALE

PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SOIL PREPARATION PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

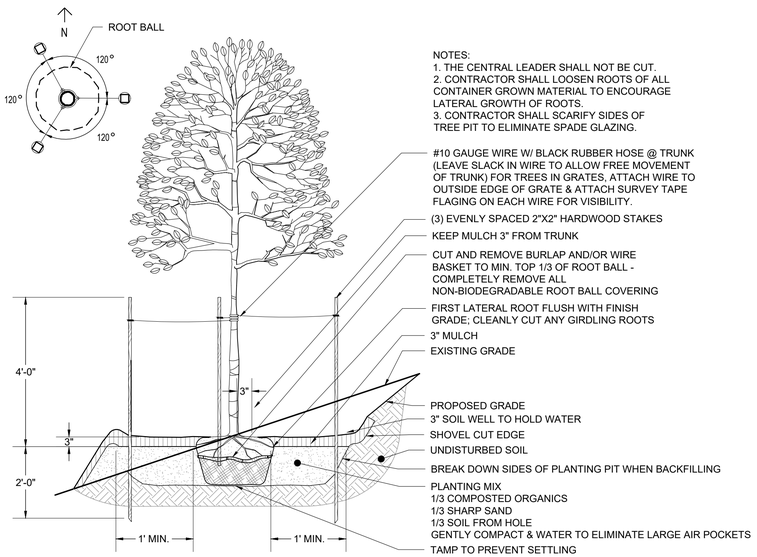
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
L111	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 35 OF195
	DRAWING NUMBER
	2025-0253
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

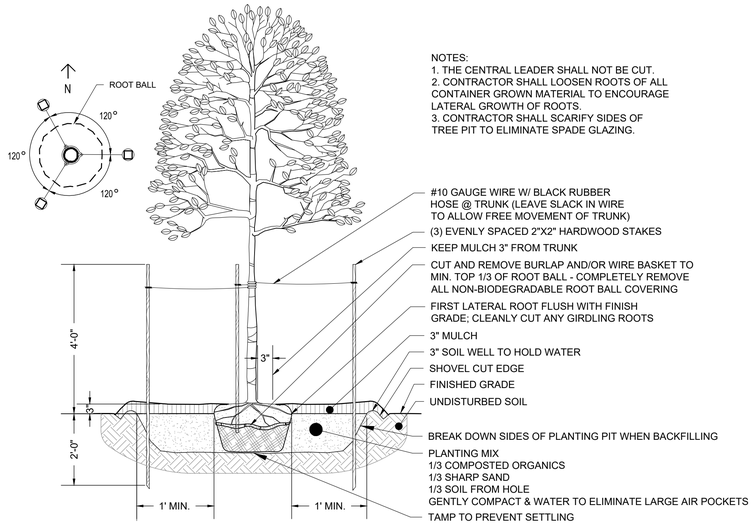
07/18/2024
BID DOCUMENTS 5/15/2025



NOTES:
1. THE CENTRAL LEADER SHALL NOT BE CUT.
2. CONTRACTOR SHALL LOOSEN ROOTS OF ALL CONTAINER GROWN MATERIAL TO ENCOURAGE LATERAL GROWTH OF ROOTS.
3. CONTRACTOR SHALL SCARIFY SIDES OF TREE PIT TO ELIMINATE SPADE GLAZING.

#10 GAUGE WIRE W/ BLACK RUBBER HOSE @ TRUNK (LEAVE SLACK IN WIRE TO ALLOW FREE MOVEMENT OF TRUNK) FOR TREES IN GRATES, ATTACH WIRE TO OUTSIDE EDGE OF GRATE & ATTACH SURVEY TAPE FLAGING ON EACH WIRE FOR VISIBILITY.
(3) EVENLY SPACED 2"X2" HARDWOOD STAKES
KEEP MULCH 3" FROM TRUNK
CUT AND REMOVE BURLAP AND/OR WIRE BASKET TO MIN. TOP 1/3 OF ROOT BALL - COMPLETELY REMOVE ALL NON-BIODEGRADABLE ROOT BALL COVERING
FIRST LATERAL ROOT FLUSH WITH FINISH GRADE; CLEANLY CUT ANY GIRDLING ROOTS
3" MULCH
EXISTING GRADE
PROPOSED GRADE
3" SOIL WELL TO HOLD WATER
SHOVEL CUT EDGE
UNDISTURBED SOIL
BREAK DOWN SIDES OF PLANTING PIT WHEN BACKFILLING
PLANTING MIX
1/3 COMPOSTED ORGANICS
1/3 SHARP SAND
1/3 SOIL FROM HOLE
GENTLY COMPACT & WATER TO ELIMINATE LARGE AIR POCKETS
TAMP TO PREVENT SETTLING

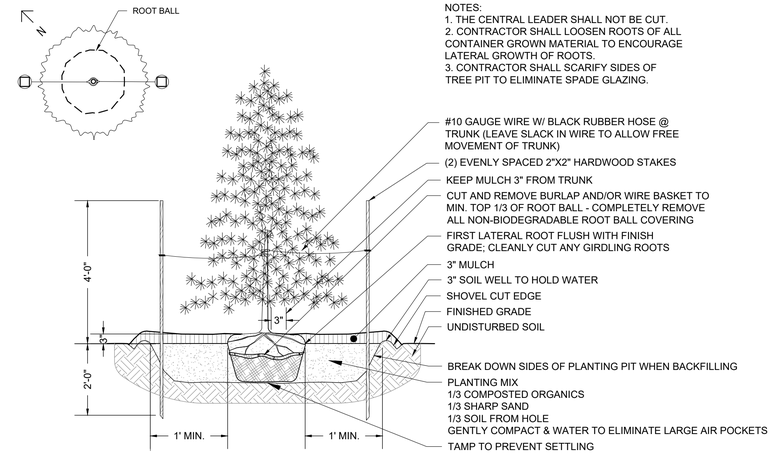
DECIDUOUS TREE ON SLOPE DETAIL



NOTES:
1. THE CENTRAL LEADER SHALL NOT BE CUT.
2. CONTRACTOR SHALL LOOSEN ROOTS OF ALL CONTAINER GROWN MATERIAL TO ENCOURAGE LATERAL GROWTH OF ROOTS.
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#10 GAUGE WIRE W/ BLACK RUBBER HOSE @ TRUNK (LEAVE SLACK IN WIRE TO ALLOW FREE MOVEMENT OF TRUNK)
(3) EVENLY SPACED 2"X2" HARDWOOD STAKES
KEEP MULCH 3" FROM TRUNK
CUT AND REMOVE BURLAP AND/OR WIRE BASKET TO MIN. TOP 1/3 OF ROOT BALL - COMPLETELY REMOVE ALL NON-BIODEGRADABLE ROOT BALL COVERING
FIRST LATERAL ROOT FLUSH WITH FINISH GRADE; CLEANLY CUT ANY GIRDLING ROOTS
3" MULCH
3" SOIL WELL TO HOLD WATER
SHOVEL CUT EDGE
FINISHED GRADE
UNDISTURBED SOIL
BREAK DOWN SIDES OF PLANTING PIT WHEN BACKFILLING
PLANTING MIX
1/3 COMPOSTED ORGANICS
1/3 SHARP SAND
1/3 SOIL FROM HOLE
GENTLY COMPACT & WATER TO ELIMINATE LARGE AIR POCKETS
TAMP TO PREVENT SETTLING

DECIDUOUS TREE DETAIL



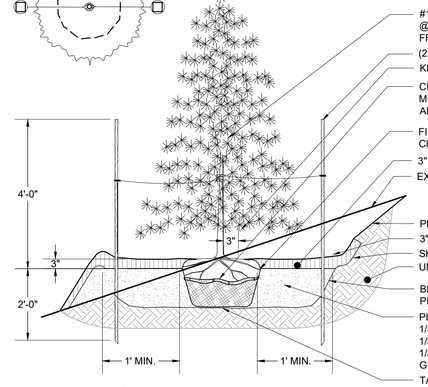
NOTES:
1. THE CENTRAL LEADER SHALL NOT BE CUT.
2. CONTRACTOR SHALL LOOSEN ROOTS OF ALL CONTAINER GROWN MATERIAL TO ENCOURAGE LATERAL GROWTH OF ROOTS.
3. CONTRACTOR SHALL SCARIFY SIDES OF TREE PIT TO ELIMINATE SPADE GLAZING.

#10 GAUGE WIRE W/ BLACK RUBBER HOSE @ TRUNK (LEAVE SLACK IN WIRE TO ALLOW FREE MOVEMENT OF TRUNK)
(2) EVENLY SPACED 2"X2" HARDWOOD STAKES
KEEP MULCH 3" FROM TRUNK
CUT AND REMOVE BURLAP AND/OR WIRE BASKET TO MIN. TOP 1/3 OF ROOT BALL - COMPLETELY REMOVE ALL NON-BIODEGRADABLE ROOT BALL COVERING
FIRST LATERAL ROOT FLUSH WITH FINISH GRADE; CLEANLY CUT ANY GIRDLING ROOTS
3" MULCH
3" SOIL WELL TO HOLD WATER
SHOVEL CUT EDGE
FINISHED GRADE
UNDISTURBED SOIL
BREAK DOWN SIDES OF PLANTING PIT WHEN BACKFILLING
PLANTING MIX
1/3 COMPOSTED ORGANICS
1/3 SHARP SAND
1/3 SOIL FROM HOLE
GENTLY COMPACT & WATER TO ELIMINATE LARGE AIR POCKETS
TAMP TO PREVENT SETTLING

EVERGREEN TREE DETAIL

TREE PLANTING DETAILS

NOT TO SCALE



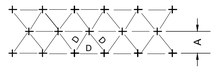
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3" MULCH
EXISTING GRADE
PROPOSED GRADE
3" SOIL WELL TO HOLD WATER
SHOVEL CUT EDGE
UNDISTURBED SOIL
BREAK DOWN SIDES OF PLANTING PIT WHEN BACKFILLING
PLANTING MIX
1/3 COMPOSTED ORGANICS
1/3 SHARP SAND
1/3 SOIL FROM HOLE
GENTLY COMPACT & WATER TO ELIMINATE LARGE AIR POCKETS
TAMP TO PREVENT SETTLING

EVERGREEN TREE ON SLOPE DETAIL

TREES ON SLOPE DETAILS

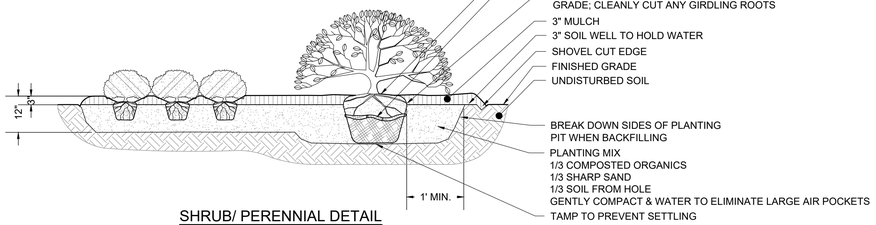
NOT TO SCALE



NOTE:
FOR USE ONLY WHEN PLANTS ARE SPACED EQUIDISTANT FROM EACH OTHER AS SHOWN, AND SPECIFIED IN THE PLANT LIST.

SPACING "D"	ROW "A"	PLANTS / S.F.
6" O.C.	5.20"	4.61
8" O.C.	6.93"	2.60
10" O.C.	8.66"	1.66
12" O.C.	10.40"	1.15
15" O.C.	13.00"	.738
18" O.C.	15.60"	.512
24" O.C.	20.80"	.290
30" O.C.	26.00"	.185
36" O.C.	30.00"	.128

PLANT SPACING CHART



NOTES:
1. CONTRACTOR SHALL LOOSEN ROOTS OF ALL CONTAINER GROWN MATERIAL TO ENCOURAGE LATERAL GROWTH OF ROOTS.
2. CONTRACTOR SHALL SCARIFY SIDES OF SHRUB PIT TO ELIMINATE SPADE GLAZING.
3. PERENNIALS SHALL BE PLANTED IN 12" DEPTH

KEEP MULCH 3" FROM TRUNK
CUT AND REMOVE BURLAP TO MIN. TOP 1/3 OF ROOT BALL - COMPLETELY REMOVE ALL NON-BIODEGRADABLE ROOT BALL COVERING
FIRST LATERAL ROOT FLUSH WITH FINISH GRADE; CLEANLY CUT ANY GIRDLING ROOTS
3" MULCH
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1/3 COMPOSTED ORGANICS
1/3 SHARP SAND
1/3 SOIL FROM HOLE
GENTLY COMPACT & WATER TO ELIMINATE LARGE AIR POCKETS
TAMP TO PREVENT SETTLING

SHRUB/ PERENNIAL DETAIL

SHRUB/PERENNIAL PLANTING DETAIL

NOT TO SCALE

LANDSCAPE NOTES

(THESE NOTES APPLY TO ALL PLANTING IN THIS CONTRACT)
1. QUANTITIES SHOWN ON THE PLANT LIST ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. SYMBOLS ON THE PLAN SHALL TAKE PRECEDENCE. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES TO HIS OWN SATISFACTION.
2. PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
3. PLANT MATERIAL SHALL BE TAGGED AT THE SOURCE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE UNLESS THE REQUIREMENT IS SPECIFICALLY WAIVED.
4. LOCATIONS OF ALL PLANT MATERIAL SHALL BE STAKED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
5. ALL SHRUB AND GROUND COVER AREAS SHALL BE PLANTED IN CONTINUOUS PREPARED BEDS MULCHED WITH COMPOSTED HARDWOOD MULCH AS DETAILED AND SPECIFIED.
6. PLANTING BEDS SHALL HAVE POSITIVE DRAINAGE WITH A MINIMUM 2% SLOPE.
7. CONTRACTOR SHALL VERIFY ACCURACY OF BASE INFORMATION AND EXISTING CONDITIONS AND UTILITIES IN THE FIELD TO HIS OWN SATISFACTION. UTILITIES BID SHALL BE BASED ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF TWO WORKING DAYS PRIOR TO BEGINNING PLANTING AND CONSTRUCTION.
9. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED AND RESTORED AT THE EXPENSE OF THE CONTRACTOR.
10. ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN NURSERY & LANDSCAPE ASSOCIATION'S AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1.

MINIMUM LANDSCAPE MAINTENANCE REQUIREMENTS

1. LAWN AREAS SHALL BE MOWED TO A HEIGHT OF 2 TO 3 INCHES AND NOT ALLOWED TO REACH A HEIGHT OF 4 INCHES BEFORE MOWING.
2. ALL CURBS AND WALKS SHALL BE EDGED AS NEEDED.
3. ALL LAWN AREAS ADJACENT TO BUILDING FACES OR STRUCTURES SHALL BE TRIMMED.
4. A SLOW RELEASE NITROGEN BALANCED FERTILIZER WITH A 2-1-1 RATIO SHALL BE APPLIED AT A RATE OF 2 POUNDS OF NITROGEN PER 1000 SQUARE FEET IN SEPTEMBER, OCTOBER, AND FEBRUARY.
5. LIME SHALL BE APPLIED AT THE RATE DETERMINED BY A SOILS REPORT.
6. IT IS RECOMMENDED THAT LAWN AREAS BE TREATED IN MID-MARCH TO EARLY APRIL WITH PRE-EMERGENT HERBICIDE (BETASAN) OR EQUAL APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE.
7. A POST-EMERGENT HERBICIDE (TRIMEC) OR EQUAL IS RECOMMENDED TO BE SPRAYED ON LAWN AREAS IN THE LATE SPRING OR THE EARLY FALL. FOLLOW MANUFACTURER'S RATES AND RECOMMENDATIONS.
8. INSECTICIDES AND FUNGICIDES ARE RECOMMENDED FOR INSECT AND DISEASE CONTROL.
9. RESEED BARE AREAS OF LAWN AS NECESSARY. YEARLY AERATION IS RECOMMENDED.
10. ALL TRASH, LITTER, AND DEBRIS SHALL BE REMOVED FROM LAWN AREAS, PARKING LOTS, AND SHRUB BEDS AS NEEDED.
11. MULCH ALL SHRUB AND GROUNDCOVER BEDS YEARLY WITH 3 INCHES OF SHREDDED HARDWOOD BARK.
12. PERMIT SHRUBS AND TREES TO GROW AND ENLARGE TO THEIR DESIGN SIZE. CONSULT PROJECT LANDSCAPE ARCHITECT FOR DETAILS.
13. PRUNE TREES IN ACCORDANCE WITH LANDSCAPE CONTRACTORS ASSOCIATION GUIDELINES.

PROJECT INFORMATION:
JACKSONVILLE SENIOR CENTER EXPANSION
3601 SWEET AIR ROAD
PHOENIX, MD 21131
ELECTION DISTRICT 10
COUNCILMANIC DISTRICT 3

OWNER/DEVELOPER:
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
410-887-3861
CONTACT:
LOUISA RETTEW

DESIGN PROFESSIONAL:
SITE RESOURCES, INC.
4 NORTH PARK DRIVE, SUITE 100
COCKEYSVILLE, MD 21030
410-683-3388
CONTACT:
EMILY MAGNESS
EMAGNESS@SITERESOURCESINC.COM

SEAL: STATE OF MARYLAND · REBEKAH S. WOLF · 4238 · LANDSCAPE ARCHITECT · 05/15/2025
DATE : 05/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 4238, EXPIRATION DATE 02/03/2026
LANDSCAPE ARCHITECT: REBEKAH WOLF
SITE RESOURCES — Creative Design. Successfully Engineered.
4 North Park Drive, Suite 100, Cockeysville, MD 21030
410.683.3388 www.siteresourcesinc.com

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

DGN BY: EFA
DWN BY: EFA
CHKD BY: RSW/KPR
BUREAU OF ENGINEERING AND CONSTRUCTION
REVIEWED BY:
DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
	UNE	78NE11
		78NE12
R.O.W NO.		79NE11
		79NE12

HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
PLANTING DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
L201	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 36 OF195
	DRAWING NUMBER
	2025-0254
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG. FILENAME: © SITE RESOURCES, INC. Z:\23\2313-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\L101 PLANTING PLAN.DWG 5/13/2025 10:08 AM RSW

BID DOCUMENTS 5/15/2025

PERMANENT PROTECTIVE SIGNAGE DETAIL

FOREST CONSERVATION AREA	FOREST BUFFER EASEMENT
DO NOT DISTURB	DO NOT DISTURB
Baltimore County Department of Environmental Protection and Sustainability (410) 887-3980	Baltimore County Department of Environmental Protection and Sustainability (410) 887-3980

Sign Specifications

The permanent protective signage shall be a minimum of 6"x8", constructed of 0.040 gauge aluminum construction with green print on white background. Signs shall be mounted approximately 4 feet of the ground on metal posts with two metal bolts. The posts shall be a minimum of 1.12 lb/sq.ft., installed to a minimum depth of 2 feet below grade.

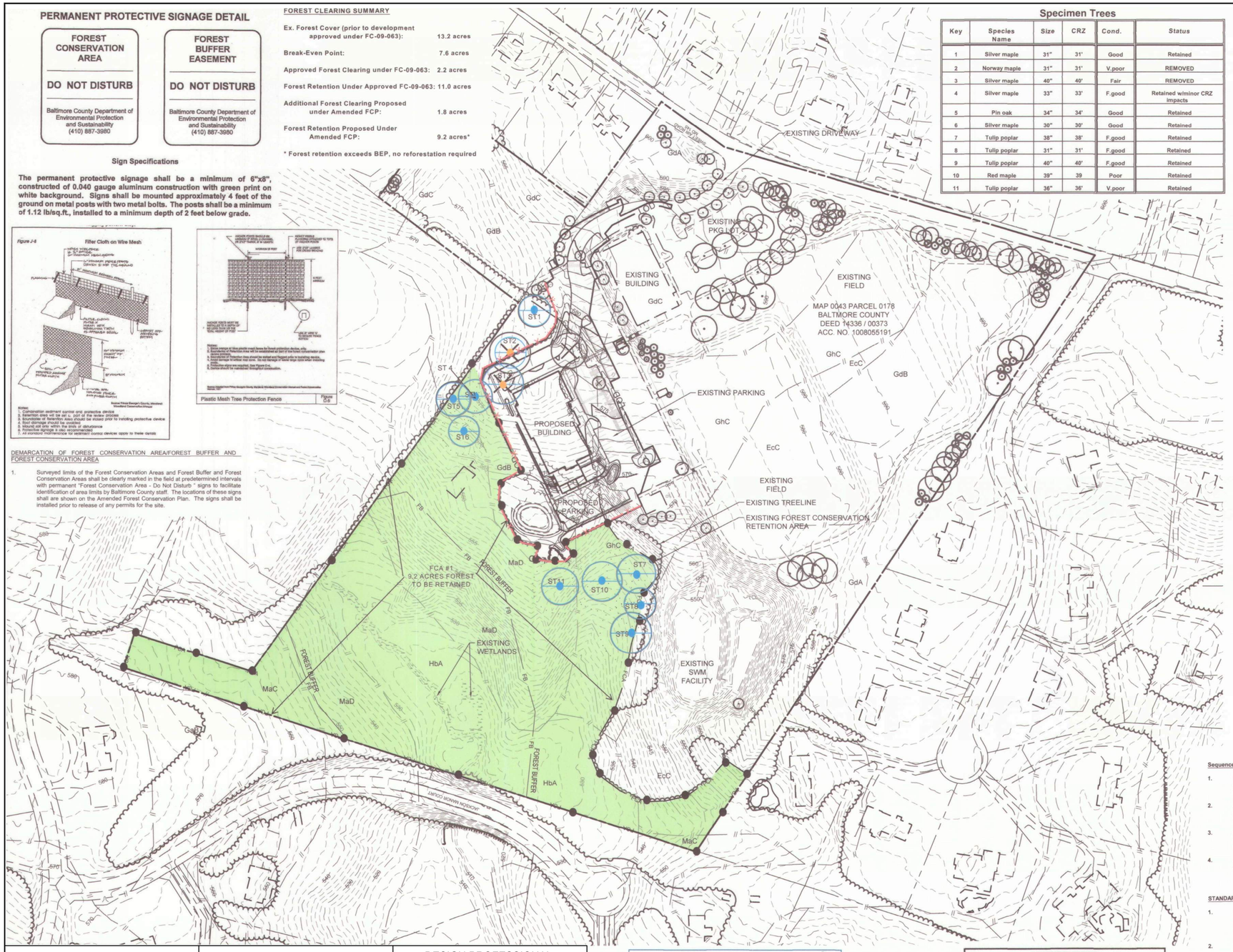
DEMARCATION OF FOREST CONSERVATION AREA/FOREST BUFFER AND FOREST CONSERVATION AREA

1. Surveyed limits of the Forest Conservation Areas and Forest Buffer and Forest Conservation Areas shall be clearly marked in the field at predetermined intervals with permanent "Forest Conservation Area - Do Not Disturb " signs to facilitate identification of area limits by Baltimore County staff. The locations of these signs shall are shown on the Amended Forest Conservation Plan. The signs shall be installed prior to release of any permits for the site.

FOREST CLEARING SUMMARY

Ex. Forest Cover (prior to development approved under FC-09-063):	13.2 acres
Break-Even Point:	7.6 acres
Approved Forest Clearing under FC-09-063:	2.2 acres
Forest Retention Under Approved FC-09-063:	11.0 acres
Additional Forest Clearing Proposed under Amended FCP:	1.8 acres
Forest Retention Proposed Under Amended FCP:	9.2 acres*

* Forest retention exceeds BEP, no reforestation required



Specimen Trees

Key	Species Name	Size	CRZ	Cond.	Status
1	Silver maple	31"	31'	Good	Retained
2	Norway maple	31"	31'	V.poor	REMOVED
3	Silver maple	40"	40'	Fair	REMOVED
4	Silver maple	33"	33'	F.good	Retained w/minor CRZ impacts
5	Pin oak	34"	34'	Good	Retained
6	Silver maple	30"	30'	Good	Retained
7	Tulip poplar	38"	38'	F.good	Retained
8	Tulip poplar	31"	31'	F.good	Retained
9	Tulip poplar	40"	40'	F.good	Retained
10	Red maple	39"	39	Poor	Retained
11	Tulip poplar	36"	36'	V.poor	Retained

FOREST CONSERVATION WORKSHEET

Project: Jacksonville Park Senior Center Expansion
Date: August 29, 2024

NET TRACT AREA		Acres
A. Total tract area		30.8
B. Area within 100 Year Floodplain		0.0
C. Area to Remain Agriculture or W/I Utility Easement		0.0
D. Net Tract Area		30.8
LAND USE CATEGORY: Institutional		
E. Conservation Threshold	(20%) x D	6.2
F. Afforestation Threshold	(15%) x D	4.6
EXISTING FOREST COVER:		
G. Existing forest cover (excluding floodplain)		13.2#
H. Area of forest above conservation threshold (G-E)		7.0
I. Area of forest above afforestation threshold (G-F)		8.6
BREAK EVEN POINT:		
J. Forest retention above threshold with no mitigation (H x 0.2)		1.4
Break-Even Point		7.6
K. Clearing permitted without mitigation		5.6
PROPOSED FOREST CLEARING		
L. Total area of forest to be Cleared or Retained Outside FCA		4.0^
M. Forest Clearing Above Conservation Threshold		4.0^
N. Forest Clearing Below Conservation Threshold		0.0
O. Total area of forest to be Retained in FCA		9.2*
PLANTING REQUIREMENTS		
P. Reforestation for clearing above Conservation Threshold (M x 0.25)		
Q. Reforestation for clearing below Conservation Threshold (N x 2)		
R. Credit for retention above conservation threshold (O - E)		
S. Total reforestation required		
T. Total afforestation required		
U. Total reforestation and afforestation required		

* Forest retention exceeds BEP, no reforestation required

\# Forest Cover Onsite Prior to Initial Park Development (Per Approved FC-09-063)

^ Includes original 2.2 acres of forest cleared per FC-09-0063 and additional 1.8 acres of forest clearing proposed under Amended FCP

FOREST RETENTION NOTE

1. **The 9.2 acres of onsite forest retention in a forest conservation area exceeds the break even point therefore no forest conservation reforestation is required.**

FOREST CONSERVATION APPROVAL NOTE

1. **Forest conservation for the original development of the park was approved under FC-09-063.**

FOREST CONSERVATION SPECIAL VARIANCE NOTE

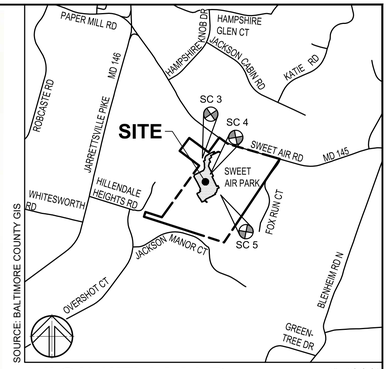
1. **A variance (Tracking #03-24-191) was granted by the Baltimore County Department of Environmental Protection and Sustainability to allow impact to two (2) specimen trees. Conditions were placed on this variance to ensure that the spirit and intent of the Forest Conservation Law were met.**

Sequence of Construction

1. **Tree protective and sediment control devices shall be installed. Pre-construction meeting shall be held with DEPS EIR inspector to ensure that devices have been properly installed.**
2. **Appropriate portions of the site shall be cleared and graded, additional parking area and stormwater management facility shall be installed, and new building constructed.. All disturbed areas shall be stabilized.**
3. **DEPS inspector shall inspect stabilization measures. Sediment control shall be removed once site is stabilized to satisfaction of DEPS inspector. Tree protective signage in poor condition shall be replaced.**
4. **Final post-construction meeting shall be held with DEPS inspector to ensure compliance with Amended FCP.**

STANDARD NON-DISTURNBANCE NOTES

1. **Any Forest Conservation Area or Forest Buffer and Forest Conservation Area shown hereon is subject to protective covenants which may be found in the Land Records of Baltimore County and which restrict the disturbance and use of these areas.**
2. **There shall be no clearing, grading, construction or disturbance of vegetation in the Forest Conservation Area or Forest Buffer and Forest Conservation Area except as permitted by Baltimore County Department of Environmental Protection and Sustainability.**
3. **No stockpiles, parking areas, equipment cleaning areas, etc. shall occur within areas designated as Forest Conservation Area or Forest Buffer and Forest Conservation Area.**
4. **Permanent signage shall be placed 100' apart or as shown along the boundaries of all areas included in the Forest Conservation Area or Forest Buffer and Forest Conservation Area.**

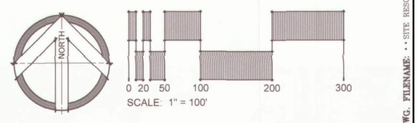


VICINITY MAP

1"=1000'

LEGEND

- PROPERTY LINE
- *EXISTING TREELINE*
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING SIGN
- EXISTING TREES (CRITICAL ROOT ZONE)
- EXISTING CONTOURS
- EXISTING SOIL GROUP DELINEATION
- SURVEY EXTENTS
- EXISTING FOREST BUFFER (FB)
- EXISTING WETLANDS
- EXISTING STREAM
- EXISTING FOREST CONSERVATION RETENTION AREA (FCA)
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED CURB
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED FLAGPOLE
- PROPOSED SIGN
- PROPOSED WOODSLINE
- PROPOSED CONTOURS
- TEMPORARY PROTECTIVE FENCING
- PERMANENT SIGNAGE
- RETAINED SPECIMEN TREE
- SPECIMEN TREE TO BE REMOVED



PROJECT INFORMATION:	OWNER/DEVELOPER:	DESIGN PROFESSIONAL:
JACKSONVILLE SENIOR CENTER EXPANSION 3601 SWEET AIR ROAD PHOENIX, MD 21131 ELECTION DISTRICT 10 COUNCILMANIC DISTRICT 3	BALTIMORE COUNTY PROPERTY MANAGEMENT 12200A LONG GREEN PIKE GLEN ARM, MARYLAND 21057 410-887-3861 CONTACT: LOUISA RETTEW	SITE RESOURCES, INC. 4 NORTH PARK DRIVE, SUITE 100 COCKEYSVILLE, MD 21030 410-683-3388 CONTACT: EMILY MAGNESS EMAGNESS@SITERESOURCESINC.COM

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS

PLAN PREPARED BY:
HENRY LESKINEN
MD DNR FCA QUALIFIED PROFESSIONAL

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY
FOREST CONSERVATION PLAN APPROVAL
Approved by: _____ Date: 2/3/25
Environmental Impact Review, DNR approved qualified professional
Forest Conservation Plan # FC-09-063-REV

MARYLAND COORDINATE SYSTEM NAD83/2011 & NAVD88

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
DATE : _____	LICENSE NO. _____, EXPIRATION DATE _____.					UNE	78NE11 78NE12 79NE11 79NE12	PLAN SCALE: AS SHOWN PROFILE SCALE: _____	APPROVED BY: _____ PROPERTY MANAGER DATE: _____
	SITE RESOURCES Creative Design. Successfully Engineered. 4 North Park Drive, Suite 100, Cockeysville, MD 21030 410.683.3388 www.siteresourcesinc.com	CONTRACT COMPLETION BOX			R.O.W NO.				
	DGN BY: _____ DWN BY: _____ CHKD BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
		REVIEWED BY:							
		DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FOREST CONSERVATION PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

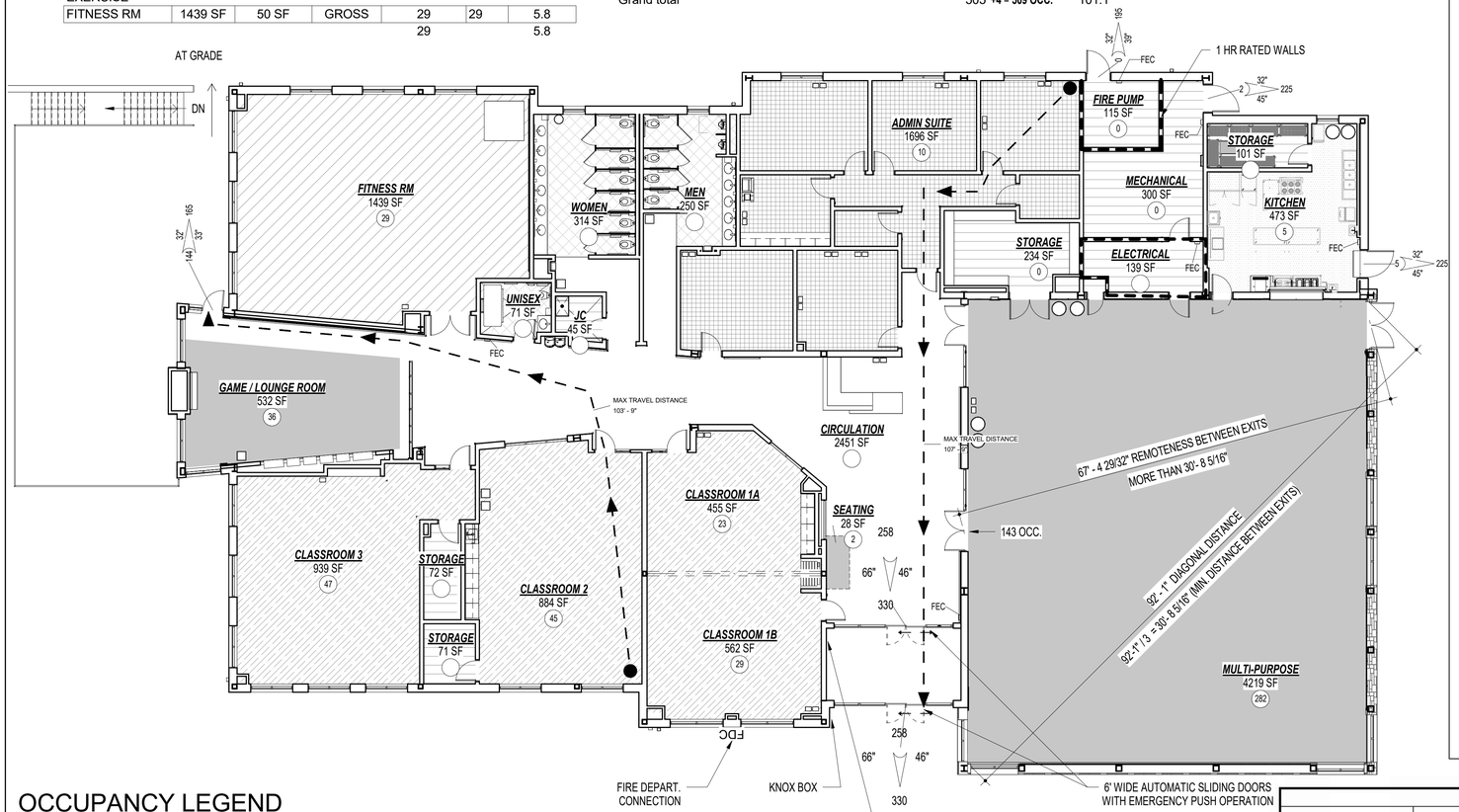
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
L301	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 37 OF 195
	DRAWING NUMBER
	2025-0255
	FILE NO.: 8

DWG. FILENAME: - - SITE RESOURCES, INC. \FILES00\PROJECTS\25-25113-BACO NEW JACKSONVILLE SENIOR CENTER\04-DWG\L301 FC PLAN.DWG 11/20/2024 9:43 PM Tyler

OCCUPANT LOAD CALCULATIONS (AREAS)						
AREA NAME	AREA (SF)	AREA PER OCCUPANT (SF)	GROSS OR NET	OCCUPANCY LOAD	OCC LOAD	EGRESS WIDTH REQ'D
ASSEMBLY (UN-CONCENTRATED)						
MULTI-PURPOSE	4219 SF	15 SF	NET	281	282	56.2
GAME / LOUNGE ROOM	532 SF	15 SF	NET	35	36	7.1
SEATING	28 SF	15 SF	NET	2	2	0.4
				319		63.7
BUSINESS AREAS						
ADMIN SUITE	1696 SF	150 SF	GROSS	11	10	2.3
				11		2.3
CIRCULATION						
CIRCULATION	2451 SF	0 SF				
				0		0.0
EDUCATIONAL (CLASSROOM)						
CLASSROOM 3	939 SF	20 SF	NET	47	47	9.4
CLASSROOM 2	884 SF	20 SF	NET	44	45	8.8
CLASSROOM 1A	455 SF	20 SF	NET	23	23	4.6
CLASSROOM 1B	562 SF	20 SF	NET	28	29	5.6
				142		28.4
EXERCISE						
FITNESS RM	1439 SF	50 SF	GROSS	29	29	5.8
				29		5.8

OCCUPANT LOAD CALCULATIONS (AREAS)						
AREA NAME	AREA (SF)	AREA PER OCCUPANT (SF)	GROSS OR NET	OCCUPANCY LOAD	OCC LOAD	EGRESS WIDTH REQ'D
KITCHEN						
KITCHEN	473 SF	100 SF	GROSS	5	5	0.9
				5		0.9
STORAGE / MECH UNOCCUPIED						
FIRE PUMP	115 SF	0 SF		SUMMARIZED	0	
STORAGE	101 SF	0 SF				
MECHANICAL	300 SF	0 SF			0	
STORAGE	234 SF	0 SF			0	
JC	45 SF	0 SF				
STORAGE	72 SF	0 SF				
STORAGE	71 SF	0 SF				
ELECTRICAL	139 SF	0 SF				
	1,129/ 300 GROSS = 3.76			0 4		0.0
TOILET						
WOMEN	314 SF	0 SF				
MEN	250 SF	0 SF				
UNISEX	71 SF	0 SF				
				0		0.0
Grand total				505 +4 = 509 OCC.		101.1



OCCUPANCY LEGEND

- ASSEMBLY (UN-CONCENTRATED)
- BUSINESS AREAS
- CIRCULATION
- EDUCATIONAL (CLASSROOM)
- EXERCISE
- KITCHEN
- STORAGE / MECH UNOCCUPIED
- TOILET

1 Level 1 - Code Study
3/32" = 1'-0"

N 0 8' 16' 32'

CODE REVIEW

PROJECT NAME AND LOCATION

NAME	JACKSONVILLE SENIOR CENTER
STREET ADDRESS	3605 SWEET AIR ROAD
COUNTY	BALTIMORE COUNTY
CITY, STATE	PHOENIX, MD 21131

PROJECT DESCRIPTION: NEW SINGLE STORY COUNTY SENIOR CENTER

APPLICABLE CODES

Building Code:
- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL PLUMBING CODE
  BALTIMORE COUNTY COUNCIL BILL #41-15
- 2023 NATIONAL ELECTRIC CODE

Life Safety Code: 2018 NFPA 101 LIFE SAFETY CODE w/ AMENDMENT BY BALTIMORE COUNTY BILL 14-21

Fire Prevention Code: 2018 NFPA 1 FIRE CODE w/ AMENDMENT BY BALTIMORE COUNTY BILL 14-21

Accessibility: AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG 2010) AND MARYLAND ACCESSIBILITY CODE (COMAR.09.12.53)

BUILDING USE AND CONSTRUCTION CLASSIFICATIONS

Use Group: NON-SEPARATED MIXED USE (SENIOR CENTER)

OFFICES	B	IBC 304.1 BUSINESS
SENIOR CENTER/ MULTIPURPOSE ROOM NO SPECTATOR SEATING	A-3	IBC 303.4 ASSEMBLY

Building Area: First Floor 16,679 GSF

Proposed Type of Construction: **IBC TYPE IIB**

Allowable Building Height: 75' (IBC TABLE 504.3) / MAX ALLOWABLE (PER IBC 504.4) 3 STORIES

Actual Building Height: 32' MAXIMUM

Allowable Building Area (A-3): 38,000 SF

OCCUPANCY LOADS AND EGRESS REQUIREMENTS

See Chart

FIRE PROTECTION SYSTEM REQUIREMENTS

	System	IBC Code	Fire Code
Automatic Sprinklers	YES	903.2.1.3	9.7
Fire Alarm System	YES	907.2.1	9.6, 12.3.2.2 (Cooking Equip)
Smoke Detection System	YES	--	--
Partial Smoke Detection	NO	--	--

INTERIOR FINISH REQUIREMENTS

Per IBC Table 803.13 & NFPA 101, Chapter 10: Table A10.2.2, Chapter 12: 12.3.3
Interior wall and ceiling finish materials shall be Class A or B in all corridors and lobbies
Interior finish materials for Waiscoting or paneling to be Classs C, max 1,000 SF
Interior wall and ceiling finish materials shall be Class C in admin spaces

TRAVEL DISTANCE TO EXITS

	IBC Code	NFPA 101
Maximum Length of Travel in Fully Sprinklered Building	250'(Table 1017.2)	250' (Table 12.2.6.2
Maximum Length Common Path of Travel in Fully Sprinklered Building	75'(Table 1006.2.1)	75' (12.2.5.1.2)
Spaces with One Means of Egress, Maximum Travel Distance to an Exit Access Door	75'(Table 1006.2.1)	-

MINIMUM CORRIDOR WIDTH REQUIREMENTS

Width	IBC Code	NFPA 101
44 IN.M EXIT CORRIDOR	Table 1020.2	12.2.3.8

PANIC HARDWARE
Per IBC Code 1010.2.9 & NFPA 101, 7.2.1.7, 12.2.2.2.3
ALL DOORS SERVING 50 OR MORE OCCUPANTS AT SMOKE BARRIER DOORS

EMERGENCY LIGHTING REQUIREMENTS
Per IBC Code 1008.3 & NFPA 101, 7.9 AND 12.2.9
ALL MEANS OF EGRESS

FIRE RATING REQUIREMENTS- STRUCTURAL ELEMENTS/ EGRESS COMPONENTS

	Rating Required	IBC Code	Fire Code
Primary Structural Frame	0	TABLE 601, TABLE 602	TABLE A.8.2.1.2
Exterior Bearing Walls	0	TABLE 601, TABLE 602	TABLE A.8.2.1.2
Exterior Non-Bearing Walls	0	TABLE 602	TABLE A.8.2.1.2
Interior Bearing Walls	0	TABLE 601	TABLE A.8.2.1.2
Floor/ Ceiling Assemblies	0	TABLE 601	TABLE A.8.2.1.2
Roof/ Ceiling Assemblies	0	TABLE 601	TABLE A.8.2.1.2
Columns	0	TABLE 601	TABLE A.8.2.1.2
Beams	0	TABLE 601	TABLE A.8.2.1.2
Egress Corridors	0	TABLE 1020.1	7.1.3.1
Shafts Other than Stairs	1, N/A	713.4	8.6.5
Corridor Doors	0	TABLE 716.1(2)	7.1.3.1
Smoke Barrier	1, N/A	709.3	8.5
Smoke Partitions	0	710.3	8.4,
Smoke Barrier Doors	20 MIN, N/A.	710.5.2, TABLE 716.1(2)	8.5
Mixed Use Separation	N/A	508, TABLE 508.4	--

EGRESS WIDTH	IBC Code	NFPA
Egress width at doors and corridors	.15"/OCC. (1005.3.2, Exception 1)	.2"/OCC.(TABLE 7.3.3.1)

NUMBER OF REMOTE EXITS REQUIRED

By Room	IBC Code	NFPA
Rooms Less Than 50 Occupants	1 Exit (Table 1006.2.1)	--
Rooms with 50 - 500 Occupants	2 Exits (Table 1006.2.1)	--
Rooms with 501 - 1000 Occupants	3 Exits (Table 1006.2.1.1)	--

By Story	IBC Code	Fire Code
1 - 500 Occupants	2 Exits (Table 1006.3.3)	2 Exits, 7.4.1.1
501 - 1000 Occupants	3 Exits (Table 1006.3.2)	3 Exits, 7.4.1.2

REMOTENESS OF EXITS

Life Safety A.7.5.1.3.3 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)
IBC 1007.1.1 Exception 2 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)

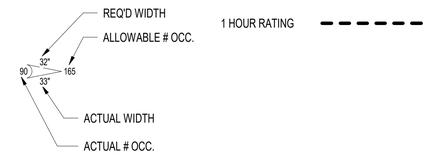
MAXIMUM DEAD END DISTANCES

IBC Code	NFPA
20 FT. (1020.5)	20 FT. (12.2.5.1.3)

NOTES:
1. Refer to the Door Schedule for doors with closers required.
2. All rated walls and partitions must be permanently identified with signs or stenciling as follows:
   a. Identification markings must be located in accessible concealed floor, floor-ceiling and attic spaces.
   b. Identification markings must be located within 15'-0" of the end of each wall and at intervals not exceeding 30'-0" measured horizontally along the wall or partiion.
   c. Lettering must not be less than 3" in height with a minimum 3/8" stroke in contrasting color incorporating the following wording: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".

PLUMBING COUNTS													
SPACES	USE	TOTAL OCCUP LOADS		HALF	WATER CLOSETS			LAVATORY			DRINKING FOUNTAINS		SERVICE SINK
					MALE	URINAL	FEMALE	MALE		FEMALE			
SENIOR CENTER													
TOTAL	A-3	499		249.5	250/125 = 2.00		250/65 = 3.84	250/200 = 1.25		250/200= 1.25	1 per 500	1	1
ADMINISTRATION													
TOTAL	B	10		5	5/25 = 0.20		5/25 = 0.2174	5/40= 0.13		5/40= 0.13	1 per 100	1	1
					MALE		FEMALE	MALE		FEMALE			
TOTAL OCCUPANTS		509											
		COUNTS REQUIRED			2.20		4.06	1.37		1.37	2		2
		PLUMBING PROVIDED			WC	URINAL	WC	LAV		LAV	FOUNTAIN		SERVICE SINK
					4	2	6	5		6	2		1
					1 Unisex WC			1 Unisex Lav					

SYMBOL KEY



DWG. FILENAME

SEAL: STATE OF MARYLAND · SISAN HAING · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker
AS--BUILT PER RECORD PRINT
BY:
DATE:

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET: UNE
POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12
DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
CODE STUDY - FIRST FLOOR
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A001	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	38 OF 195
	DRAWING NUMBER
	2025 - 0256
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

EDGE OF SLAB NOTES

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEM AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. EDGE OF SLAB DRAWINGS ARE PROVIDED FOR INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE FOR SEQUENCING, MEANS/METHOD S AND CONSTRUCTION TOLERANCES AS NEEDED.
2. CONTRACTOR TO COORDINATE EXACT EDGE OF SLAB DEPRESSIONS TO AVOID ROUGH CORNERS.



1 FIRST FLOOR PLAN - EDGE OF SLAB

1/8" = 1'-0"

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - EDGE OF SLAB

BID DOCUMENTS 5/15/2025

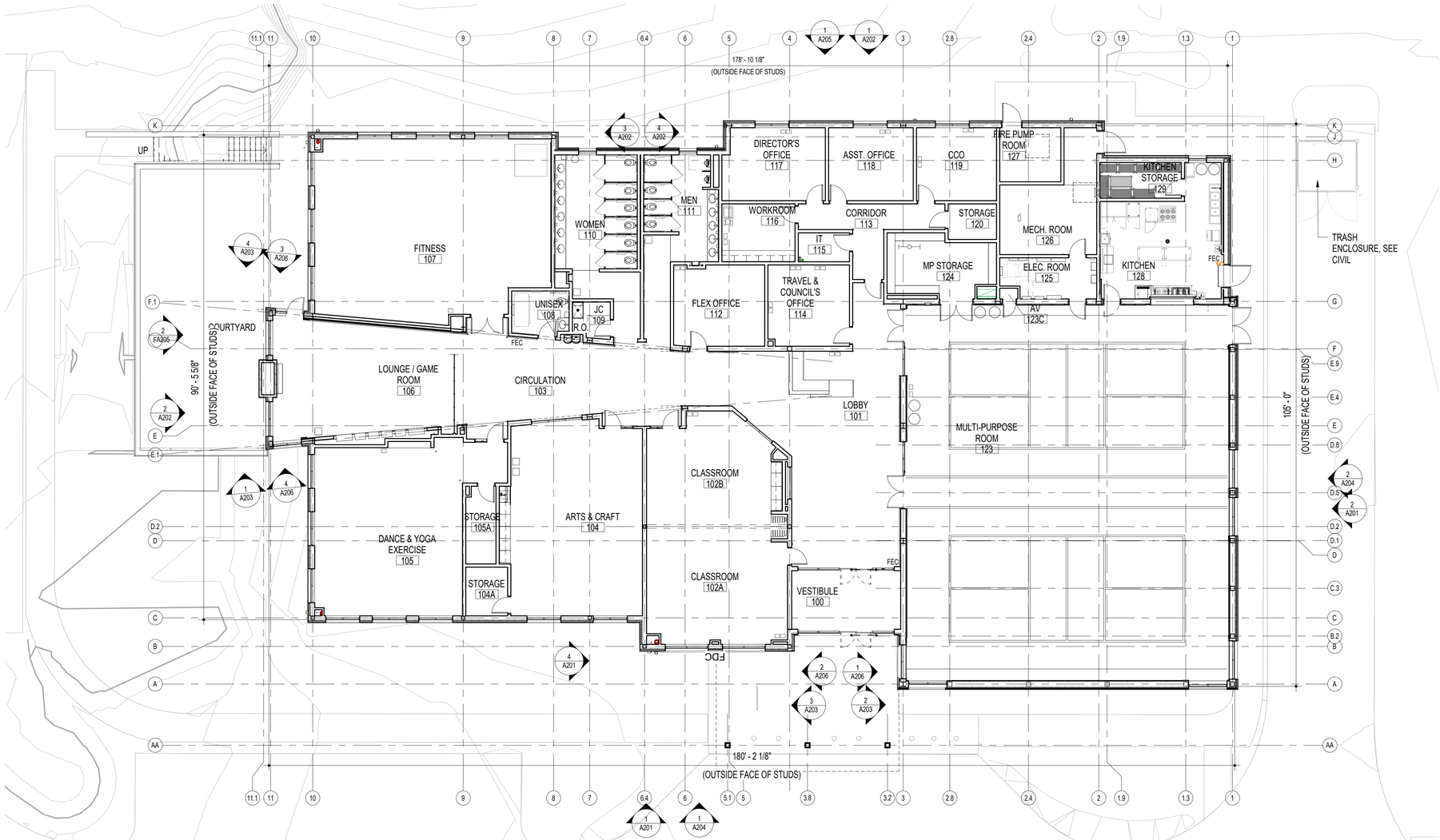
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A100	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	39 OF 195
	DRAWING NUMBER
	2025 - 0256A
	FILE NO.: 8

DWG FILENAME



1 OVERALL FIRST FLOOR PLAN

3/32" = 1'-0"

GENERAL NOTES

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. ALL CONSTRUCTION AND WORK REPRESENTED IN THE COMPLETE SET OF DOCUMENTS IS ASSUMED TO BE NEW AND FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
2. IF A CONFLICT EXISTS WITHIN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT AND MORE COSTLY REQUIREMENT TO APPLY. ITEMS SHOWN ON THE DRAWINGS, BUT NOT SPECIFIED, TO APPLY AND BE PROVIDED BY THE CONTRACTOR. IF AN ITEM IS SHOWN ON THE DRAWINGS, BUT IS NOT INCLUDED IN THE SPECIFICATIONS, PROVIDE ITEM OF A QUALITY LEVEL CONSISTENT WITH THE GENERAL QUALITY LEVEL OF THE CONTRACT REQUIREMENTS. REPORT CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
3. IF A CONFLICT EXISTS BETWEEN DRAWINGS OF DIFFERENT SCALES, CONSULT THE ARCHITECT FOR CLARIFICATION.
4. IN THE ABSENCE OF A WRITTEN DIMENSION, OR IN CASE OF DOUBT AS TO THE PROPER MEASUREMENT, CONSULT THE ARCHITECT FOR CLARIFICATION.
5. IF AN AREA OR SPACE IS SHOWN, BUT IS NOT CLEARLY DEFINED OR INDICATED BY NOTES, PROVIDE THE SAME MATERIALS AND FINISHES AS SCHEDULED OR DETAILED FOR AREAS OF SIMILAR USE ELSEWHERE IN THE BUILDING,
6. SECTIONS INDICATED ARE INTENDED TO SHOW THE SPECIFIC CONSTRUCTION WHERE REFERENCED AS WELL AS ESTABLISH THE GENERAL CONSTRUCTION DETAILS FOR SECTIONS THROUGHOUT THE PROJECT WHICH DO NOT HAVE SPECIFIC SECTIONS DRAWN. THE MOST SIMILAR SECTIONS TO BE ADAPTED TO ANY SECTIONS NOT DETAILED. ANY SPECIFIC QUESTIONS CONCERNING CONSTRUCTION NOT ADEQUATELY COVERED BY THE ABOVE SHOULD BE DIRECTED TO THE ARCHITECT DURING THE BIDDING.
7. TYPICAL DETAILS THROUGHOUT THE DRAWING SET TO APPLY FOR ALL APPLICABLE CONDITIONS EVEN IF NOT SPECIFICALLY SHOWN OR REFERENCED.
8. SEE STRUCTURAL DRAWINGS FOR ACTUAL STRUCTURAL STEEL AND BEARING ELEVATIONS.
9. REFER TO ARCHITECTURAL SITE PLAN FOR THE LAYOUT OF CONCRETE WALKS, MOW STRIPS, PAVING PATTERNS, ETC. IN THE BUILDING VICINITY. REFER TO CIVIL DRAWINGS FOR THE CONTINUATION OF THIS WORK.
10. AT ALL OUTSIDE CORNERS OF INTERIOR CMU WALLS, COLUMN ENCLOSURES, PIPE CHASES OR OTHER WALL PROJECTIONS. PROVIDE MASONRY UNITS WITH BULLNOSED (ROUNDED) EDGES WITH 1" RADIUS, UNLESS OTHERWISE NOTED OR WHERE SCHEDULED TO RECEIVE CERAMIC TILE. WHERE MASONRY CORNERS ALIGN WITH BULKHEADS, TRANSITION FROM BULLNOSE CORNER UNITS TO SQUARE CORNER UNITS.
11. UNLESS SPECIFICALLY NOTED OTHERWISE, ENCLOSE ALL VERTICAL MECHANICAL PIPES, RAIN LEADERS, ETC. WITH 4" CMU OR GYPSUM BOARD TO MATCH SURROUNDING FINISHES.
12. REFER TO PLANS AND ELEVATIONS FOR LOCATIONS OF CONTROL JOINTS (C.J.) AND EXPANSION JOINTS (E.J.) IN EXTERIOR MASONRY WALLS. IF A CONFLICT EXISTS BETWEEN JOINT LOCATIONS SHOWN ON THE ELEVATIONS AND PLANS, CONSULT THE ARCHITECT FOR CLARIFICATION PRIOR TO CONSTRUCTION. REFER TO FLOOR PLANS FOR LOCATIONS OF CONTROL JOINTS (C.J.) IN INTERIOR MASONRY WALLS.
13. ALL EXTERIOR CAVITY WALLS TO HAVE CONTINUOUS FLEXIBLE FLASHING AT THE BOTTOM OF THE CAVITY WITH WEEP VENTS TO THE OUTSIDE. ALL FLASHING BUILT INTO WALLS TO BE LAPPED AND SEALED. REFER TO FLASHING DETAILS INDICATED.
14. REFER TO BUILDING ELEVATIONS AND ELEVATION DETAILS FOR MASONRY PATTERNS.
15. INCLUDE PROJECTIONS, BEAM ENCLOSURES, RECESSES, BULKHEADS, PILASTERS AND SIMILAR ENCLOSURES AS PART OF WALL AND CEILING FINISHES AS SCHEDULED.
16. ALL APPURTENANCES BUILT INTO OR THROUGH WALLS, INCLUDING DOORS, DUCTS, WINDOWS, LOUVERS, GRILLES, MECHANICAL WORK, ETC. TO FIT TIGHT AND BE THOROUGHLY SEALED AROUND PERIMETERS. WORK AT EXTERIOR WALLS TO BE FLASHED OR OTHERWISE WATERPROOF SEALED.
17. FIELD CHECK ROUGH AND/OR FINISHED DIMENSIONS FOR ACCURATE FITTING OF CABINETS, COUNTERS, LOCKERS, DOORS, WINDOWS, FIXTURES, SHELVING, GATES AND OTHER INSTALLATIONS PRIOR TO SHOP OR FACTORY FABRICATION. PROVIDE FILLER STRIPS, SCRIBE STRIPS, BASES, CLOSURE FINISHES AND TRIM FOR A COMPLETE INSTALLATION.
18. PROVIDE APPROPRIATE TRANSITION STRIPS AT CHANGES IN FLOOR ELEVATIONS.
19. EACH CONTRACTOR MUST REFER TO ALL DRAWINGS AND BE RESPONSIBLE FOR WORK PERTAINING TO THEIR PARTICULAR TRADE. ALL CONTRACTORS MUST COORDINATE THE WORK OF ALL TRADES AND FIELD CHECK AGAINST ANY CONFLICTS BETWEEN DRAWINGS. REPORT CONFLICTS TO THE ARCHITECT FOR CLARIFICATION.
20. ACCESS PANELS, LOUVER OPENINGS, VENTILATORS, GRILLES, VALVE CABINETS, FIRE DAMPERS OR OTHER APPURTENANCES AFFECTING WALLS, CEILINGS OR FLOORS ARE SHOWN THROUGHOUT THE DRAWINGS. PROVIDE NECESSARY LINTELS, SUPPORT AND ANCHORAGE. SEE STRUCTURAL NOTES FOR LINTEL REQUIREMENTS.
21. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS OF CONCRETE PADS TO BE PROVIDED BELOW OR AROUND EQUIPMENT.
22. INSTALL ELECTRIC SWITCHES, OUTLETS, THERMOSTATS, CONTROLS, CLOCKS, SPEAKERS, FLAGPOLE HOLDERS AND OTHER WALL-MOUNTED ACCESSORIES IN LOCATIONS WHICH ARE UNOBSTRUCTED BY CABINETS, COUNTERS, RACKS, DISPLAY BOARDS, FIXTURES, SHELVING OR OTHER FURNISHINGS OR EQUIPMENT DESIGNATED FOR SPACES SHOWN ON DRAWINGS. THESE DEVICES MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS TO ALERT OTHER SUB-CONTRACTORS OF THEIR PRESENCE. COORDINATE INSTALLATION WITH THE ELECTRICAL DRAWINGS. ADVISE THE ARCHITECT OF CONFLICTS IN LOCATION OR TYPES OF DEVICES SHOWN PRIOR TO INSTALLATION. DO NOT INSTALL WALL-MOUNTED ITEMS ON, THROUGH OR INTO ANY EQUIPMENT UNLESS INDICATED.
23. MOUNT ELECTRIC SWITCHES, THERMOSTATS AND OTHER ELECTRONIC CONTROLS LOCATED IN THE SAME VICINITY AT THE SAME HEIGHT ABOVE FINISHED FLOOR IN A UNIFORM, ORDERLY FASHION UNLESS NOTED OTHERWISE.
24. FOR THE PURPOSES OF BIDDING (UNLESS OTHERWISE NOTED), ALL SYMBOLS (LABELED / TAGGED OR UNLABELED/UNTAGGED) WHICH ARE LOCATED ON THE FURNISHING/EQUIPMENT PLANS TO BE CONSIDERED AS IN CONTRACT WORK TO BE PROVIDED BY THE CONTRACTOR. ALL SYMBOLS LOCATED ON THE PLANS DENOTE EITHER FURNITURE, EQUIPMENT, CASEWORK OR MILLWORK. WHERE A SYMBOL IS LOCATED ON THE PLANS BUT IS NOT LABELED OR TAGGED TO A SCHEDULE, THE CONTRACTOR MUST SEEK CLARIFICATION FROM THE OWNER OR ARCHITECT BEFORE PROCEEDING. FOR PURPOSES OF BIDDING ONLY, IF CLARIFICATION CANNOT BE OBTAINED FROM THE OWNER OR ARCHITECT THROUGH ADDENDUM PRIOR TO THE BID DATE, THE CONTRACTOR MUST NEVERTHELESS INCLUDE THE ITEM IN QUESTION IN THEIR BID, CONSIDERING IT THE SAME AS THE TAGGED SYMBOL MOST NEARLY RESEMBLING THE UNTAGGED SYMBOL BASED ON ITS SHAPE, SIZE, LINEWEIGHT(S), LOCATION, AND SCHEDULED USAGE IN SPACES OF SIMILAR FUNCTION. THE CONTRACTOR MUST OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH SHOP DRAWINGS.
25. A CONTINUOUS AIR BARRIER IS REQUIRED. JOINTS AND SEAMS MUST BE SEALED INCLUDING ALL TRANSITIONS AND CHANGES IN MATERIALS. PENETRATIONS OF AIR BARRIER MUST BE GASKETED OR SEALED IN A MANNER COMPATIBLE WITH OTHER MATERIALS AND ACCEPTED BY AIR BARRIER MANUFACTURER.

DWG. FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
						PROFILE SCALE:	
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

SUBDIVISION: JACKSONVILLE

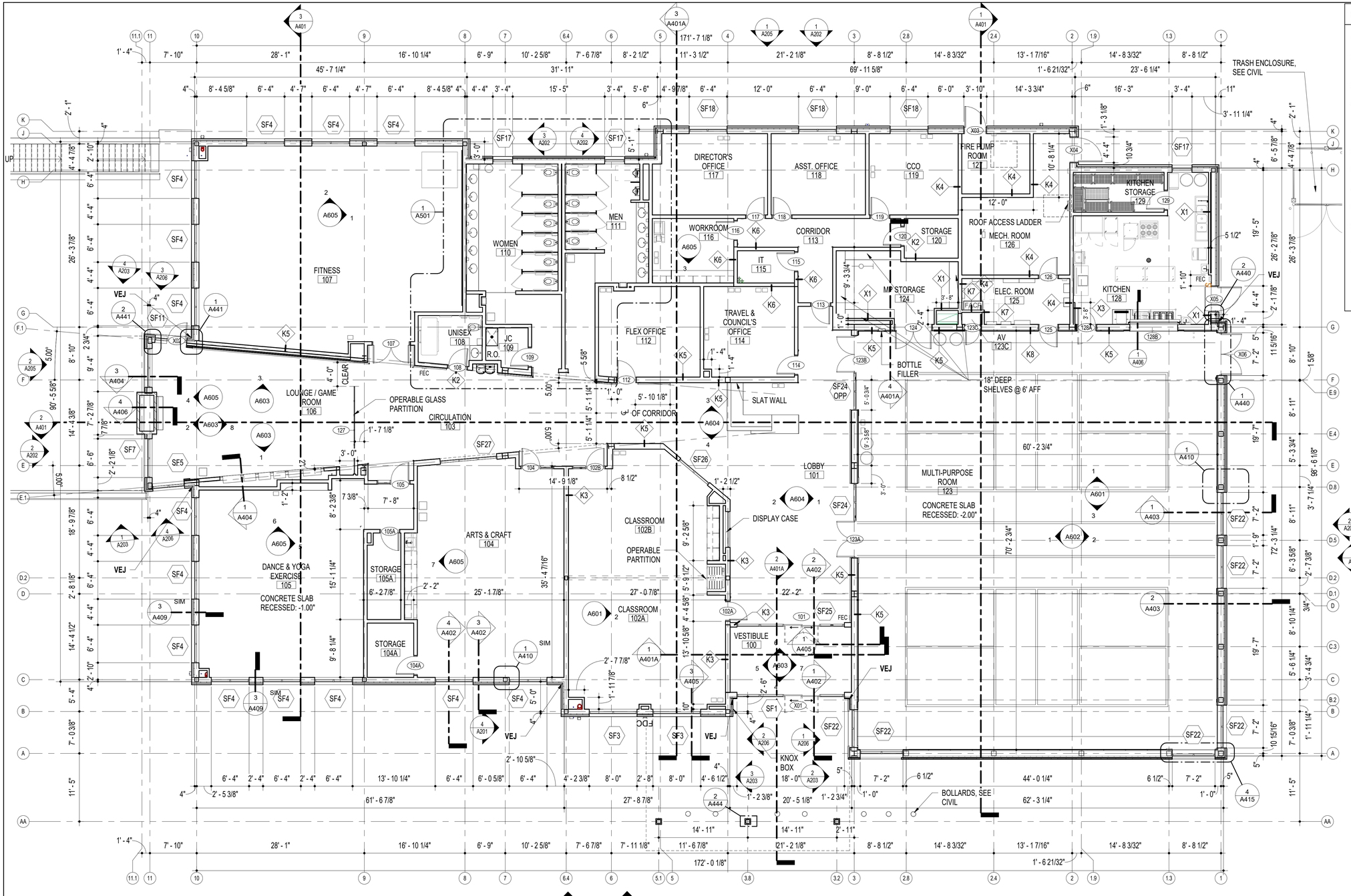
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
OVERALL FIRST FLOOR PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A101	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	40 OF 195
	DRAWING NUMBER
	2025 - 0257
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR PLAN
1/8" = 1'-0"

0 4' 8' 16'

GENERAL PLAN NOTES

1. REFER TO SHEET A301 FOR WALL TYPES AS REFERENCED ON PLANS WITH THE DIAMOND SYMBOL.
2. TYPICAL GYPSUM BOARD / STUD WALL PARTITION TO BE TYPE K2 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
3. TYPICAL GYPSUM BOARD CHASE WALLS TO BE TYPE X1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
4. UNLESS NOTED OTHERWISE, WALLS MUST EXTEND TO THE ROOF OR FLOOR DECK ABOVE AND BE SEALED IN ACCORDANCE WITH THE WALL TERMINATION DETAILS. REFER TO THE CODE STUDY PLAN FOR IDENTIFICATION OF ALL SMOKE AND FIRE WALL CONDITIONS. PERIMETER CORRIDOR AND LOBBY WALLS MUST BE BUILT TO RESIST THE PASSAGE OF SMOKE.
5. DIMENSIONS ON PLANS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD.
6. COLUMN GRID LINES ARE FOR REFERENCE ONLY, REFER TO STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS.
7. FEC - INDICATES A FIRE EXTINGUISHER WITH A RECESSED CABINET. FE - INDICATES A FIRE EXTINGUISHER WITH A WALL MOUNTING BRACKET.
8. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE SAME WALL TYPE NEXT TO A DOOR OR OPENING TO CONTINUE OVER THE DOOR OR OPENING.
9. PLAN LOCATION OF DOORS AND FRAMES RELATIVE TO THE PLANE OF THE WALL IS DIAGRAMMATIC ONLY. REFER TO THE REFERENCED JAMB AND HEAD CONDITION DETAILS TO DETERMINE ACTUAL PLACEMENT OF DOOR AND FRAME.
10. PROVIDE 2" VERTICAL EXPANSION JOINT AT INSIDE CORNERS, SEE LABEL **VEJ** FOR LOCATIONS.

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT
DATE: 5/15/2025

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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
		PROFILE SCALE:		DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FIRST FLOOR PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	2025 - 0258
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

GENERAL PLAN NOTES

1. REFER TO SHEET A301 FOR WALL TYPES AS REFERENCED ON PLANS WITH THE DIAMOND SYMBOL.
2. TYPICAL GYPSUM BOARD / STUD WALL PARTITION TO BE TYPE K2 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
3. TYPICAL GYPSUM BOARD CHASE WALLS TO BE TYPE X1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
4. UNLESS NOTED OTHERWISE, WALLS MUST EXTEND TO THE ROOF OR FLOOR DECK ABOVE AND BE SEALED IN ACCORDANCE WITH THE WALL TERMINATION DETAILS. REFER TO THE CODE STUDY PLAN FOR IDENTIFICATION OF ALL SMOKE AND FIRE WALL CONDITIONS. PERIMETER CORRIDOR AND LOBBY WALLS MUST BE BUILT TO RESIST THE PASSAGE OF SMOKE.
5. DIMENSIONS ON PLANS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD.
6. COLUMN GRID LINES ARE FOR REFERENCE ONLY, REFER TO STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS.
7. FEC - INDICATES A FIRE EXTINGUISHER WITH A RECESSED CABINET. FE - INDICATES A FIRE EXTINGUISHER WITH A WALL MOUNTING BRACKET.
8. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE SAME WALL TYPE NEXT TO A DOOR OR OPENING TO CONTINUE OVER THE DOOR OR OPENING.
9. PLAN LOCATION OF DOORS AND FRAMES RELATIVE TO THE PLANE OF THE WALL IS DIAGRAMMATIC ONLY. REFER TO THE REFERENCED JAMB AND HEAD CONDITION DETAILS TO DETERMINE ACTUAL PLACEMENT OF DOOR AND FRAME.
10. PROVIDE 2" VERTICAL EXPANSION JOINT AT INSIDE CORNERS, SEE LABEL **VEJ** FOR LOCATIONS.

LOUNGE / GAME ROOM 106

MULTI-PURPOSE ROOM 123

VESTIBULE 100

SEE ROOF PLAN FOR DETAILS

1 CLERESTORY FLOOR PLAN

1/8" = 1'-0"

0 4' 8' 16'

DWG: FLR/WAVE

SEAL	PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN		APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 16221 , EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
DATE: 5/15/2025	BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

CLERESTORY FLOOR PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

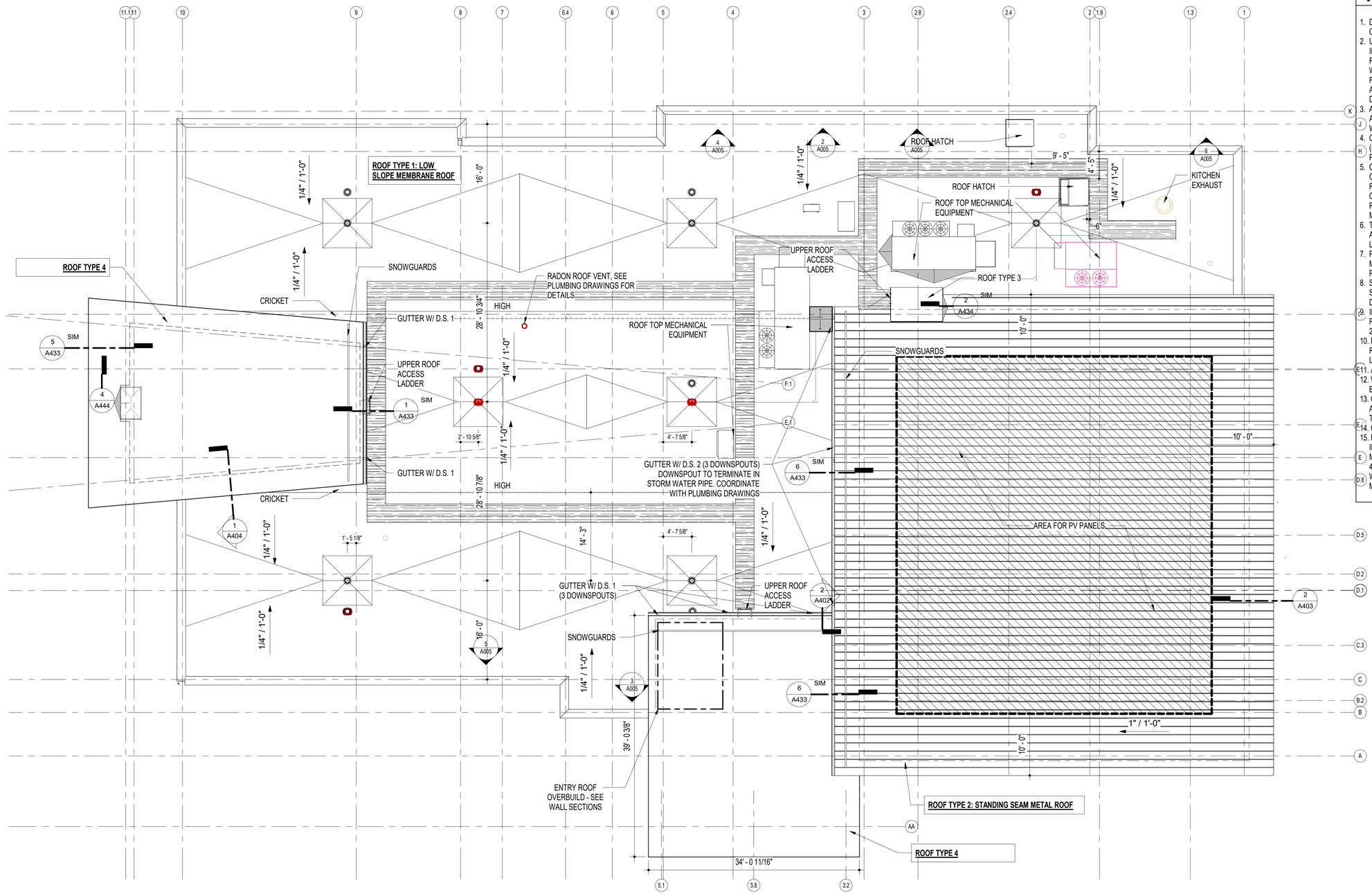
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A103	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	42 OF 195
	DRAWING NUMBER
	2025 - 0259
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



TYPICAL ROOF NOTES

1. DETAILS INDICATED ARE TYPICAL FOR ALL SIMILAR ROOFING CONDITIONS UNLESS OTHERWISE INDICATED.
2. UNLESS OTHERWISE NOTED, MINIMUM ROOF SLOPE IS 1/4" PER FOOT. PROVIDE TAPERED INSULATION (EVEN IF NOT SHOWN ON THIS PLAN) AS REQUIRED TO MAINTAIN MINIMUM REQUIRED SLOPE TO ROOF DRAINS AND ELIMINATE ANY AREAS OF POTENTIAL STANDING WATER. PROVIDE TAPERED INSULATION AT ALL CRICKETS TO MAINTAIN MINIMUM 1/2" PER FOOT SLOPE TO DRAIN IN DIRECTION INDICATED. COORDINATE HEIGHTS OF ALL FLASHINGS AND EXPANSION JOINT CAPS WITH TAPERED INSULATION TO MAINTAIN MINIMUM DIMENSIONS DETAILED.
3. ALL ROOF PENETRATIONS AND ACCESSORIES (DRAINS, VENTS, ETC.) ARE TO BE INSTALLED AND FLASHED IN COMPLIANCE WITH THE CURRENT EDITIONS OF N.R.C.A. ROOFING AND WATERPROOFING MANUAL AND S.M.A.C.N.A. (ARCHITECTURAL SHEET METAL MANUAL)
4. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ITEMS (INCLUDING UNIT SIZES AND LOCATIONS) NOT SHOWN OR SCHEMATICALLY SHOWN ON ROOF PLANS.
5. CURBS FOR ROOF TOP MECHANICAL EQUIPMENT ARE PROVIDED BY THE MECHANICAL CONTRACTOR. REFER TO TYPICAL CURB FLASHING DETAIL FOR BLOCKING AND FLASHING REQUIREMENTS. PROVIDE ALL BLOCKING NECESSARY TO ACHIEVE LEVEL MECHANICAL CURBS AT ALL LOCATIONS. MAINTAIN MINIMUM 8" FROM TOP OF CURB TO ADJACENT FINAL ROOF SURFACE. PROVIDE TAPERED CRICKETS (MINIMUM 1/2" PER FOOT SLOPE) AT ALL MECHANICAL EQUIPMENT CURBS.
6. THE ROOF DRAIN AND MECHANICAL UNIT LOCATIONS SHOWN ON THE ROOF PLAN ARE APPROXIMATE. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS.
7. PRIOR TO FLASHING OVERFLOW ROOF SCUPPERS AND ROOF DRAIN, ROOFING CONTRACTOR MUST CONFIRM MAXIMUM DRAIN PIPE HEIGHT OF 3" ABOVE ROOF IN ACCORDANCE WITH PLUMBING DRAWINGS.
8. START TAPERED INSULATION AT SUMP PLATES. INSULATION TO BE TAPERED DOWN AT SLOPE OF 1/2" PER FOOT FROM ALL (4) SIDES OF INDICATED SUMP. SEE TYPICAL ROOF DRAIN DETAIL.
9. IN ACCORDANCE WITH SPECIFICATION SECTION 07 62 00 SHEET METAL, FLASHING AND TRIM, ROOFING CONTRACTOR AND MASONRY CONTRACTOR TO COORDINATE FLEXIBLE FLASHING & 2 PART COUNTER-FLASHING INSTALLATION.
10. PROVIDE WALKWAY PROTECTION WHERE INDICATED AND AT ALL SIDES OF MECHANICAL ROOF TOP UNITS REQUIRING SERVICE AND AT TOP AND BOTTOM OF ALL ROOF STAIRS AND LADDERS.
11. ALL ROOF TOP EQUIPMENT (EXCLUDING PREFINISHED ITEMS) TO BE FIELD PAINTED.
12. WHERE INDICATED, REFER TO PLUMBING DRAWINGS FOR RADON PIPE DETAIL. FLASHING TO BE IN ACCORDANCE WITH TYPICAL DETAILS.
13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING EXT. FRT WOOD BLOCKING AS REQUIRED TO ACCOMMODATE ALL PROFILES OF FINISHED ROOFING INCLUDING AT CRICKETS AND TAPERED INSULATION AT WALLS, PARAPETS AND PERIMETER EDGE FLASHING.
14. COORDINATE HOSE BIB LOCATIONS ON ROOF WITH MEP PLANS.
15. PROVIDE INSULATION THICKNESS AS REQUIRED TO PROVIDE MIN. R-30 CONTINUOUS INSULATION ABOVE ROOF DECK TO MEET IECC REQUIREMENTS. INSULATION THICKNESS MAY BE REDUCED TO 1" MIN. AT GUTTER EDGE, ROOF DRAIN OR SCUPPER PER IECC SECTION 402.2.1.2, PROVIDED THE AREA-WEIGHTED AVERAGE IS EQUIVALENT TO THE SAME ASSEMBLY WITH THE MINIMUM REQUIRED R-VALUE OVER THE ENTIRETY OF THE ROOF. CONTRACTOR MUST PROVIDE CALCULATIONS VERIFYING IECC COMPLIANCE.

ROOF SYMBOL KEY

	ROOF DRAIN WITH OVERFLOW - TYP. SUMP TO BE 8'-0" X 8'-0" (8'-0" X 6'-0" AT SUMPS ADJACENT TO PARAPET WALL)
	DIRECTION OF SLOPE FROM HIGH POINT - ROOF SLOPES @ 1/4" PER FOOT, MINIMUM, UNLESS OTHERWISE NOTED
T.O.M. 48'-0"	TOP OF MASONRY PARAPET
BOD 48'-0"	BOTTOM OF DECK
48'-0" J.B.	JOIST BEARING
1 A101 SIM	DETAIL @ TOP OF WALL
1 A101 SIM	DETAIL @ LOW ROOF WALL - FLASHING CONDITION
	INDICATES ROOFTOP MECHANICAL EQUIPMENT - COORDINATE WITH MECHANICAL DRAWINGS
D.S. 1	DOWNSPOUT DOWN TO LOWER ROOF & SPLASH PAN . DOWNSPOUT SIZE: 3 X 4
D.S. 2	DOWNSPOUT DOWN TO LOWER ROOF TO TERMINATE IN STORM WATER PIPE, SEE PLUMBING DRAWINGS. DOWNSPOUT SIZE: 4 X 5
	ROOF WALKWAY - 36" WIDE CAPSHEET ADHERED TO ROOF PER MANUFACTURER'S RECOMMENDATIONS AT LOW SLOPE ROOF.
	INDICATES SLOPES CREATED BY BUILT-UP CRICKETS OF TAPERED INSULATION

1 ROOF PLAN

1/8" = 1'-0"

0 4' 8' 16'

DWG / FILENAME

SEAL

STATE OF MARYLAND SUSAN HAINS GRIMM No. 16221 ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer

DWN BY: Author

AS–BUILT PER RECORD PRINT

BY: CHKD BY: Checker

DATE: 5/15/2025

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

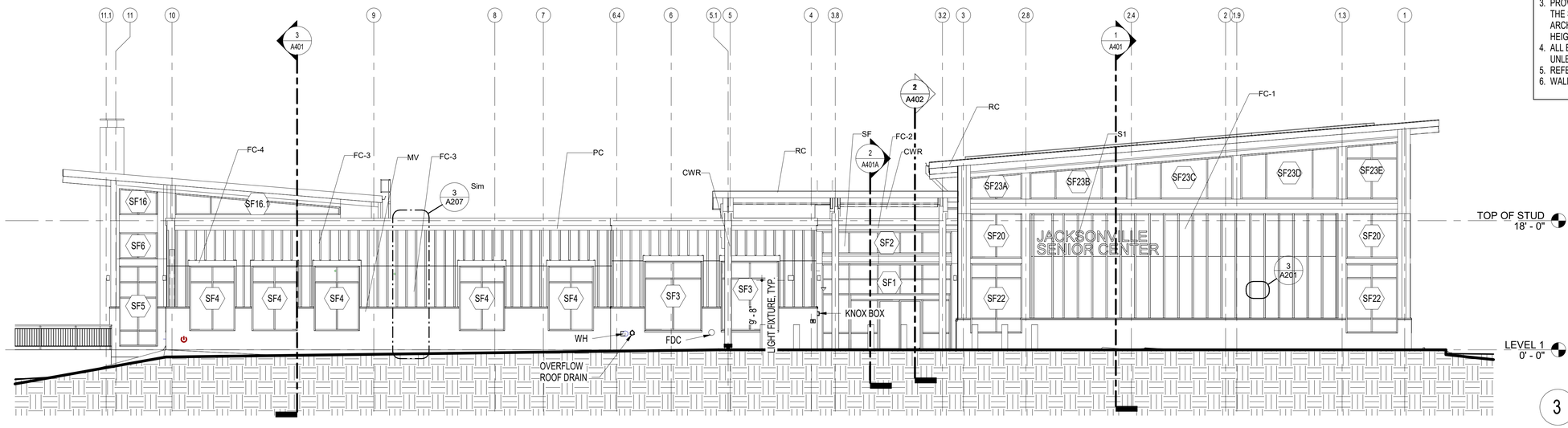
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	10-701-1861
	43 OF 195
	DRAWING NUMBER
	2025 - 0260
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

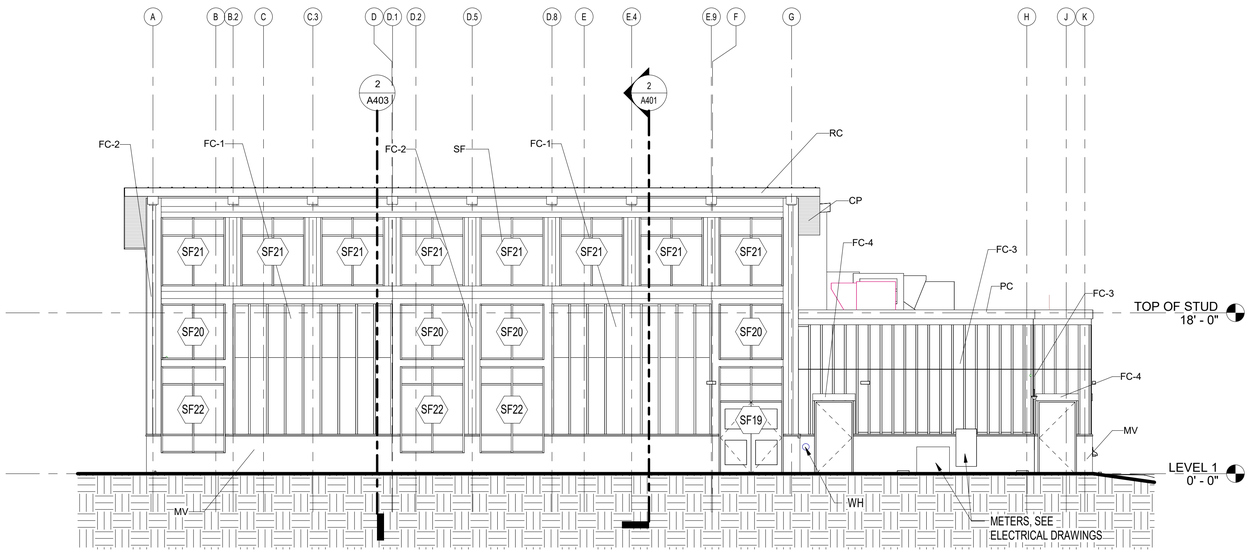
BID DOCUMENTS 5/15/2025

ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

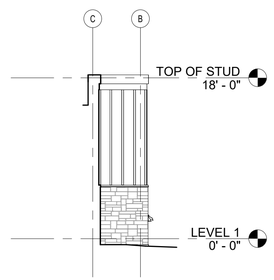
1. REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS.
2. REFER TO LARGE SCALE ELEVATION DETAILS AND SPECS FOR MASONRY PATTERNS, BONDING, SPECIAL SHAPES AND MORTAR COLOR PATTERNS.
3. PROVIDE SEALANT AT ALL INTERSECTIONS OF DISSIMILAR MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXTERIOR SEALANTS TO BE A CUSTOM COLOR SELECTED BY THE ARCHITECT. MORE THAN ONE SEALANT COLOR MAY BE SELECTED FOR USE ALONG THE HEIGHT OF THE SAME JOINT TO MATCH ADJOINING MASONRY OR MORTAR.
4. ALL EXTERIOR EXPOSED STEEL TO BE FIELD PAINTED WITH HIGH PERFORMANCE COATING UNLESS NOTED OTHERWISE. COLOR TO BE SELECTED BY THE ARCHITECT.
5. REFER TO SHEET A436 FOR TYPICAL EXTERIOR CONTROL JOINT DETAILS AND NOTES.
6. WALL HYDRANT (WH), SEE PLUMBING DRAWINGS FOR DETAILS



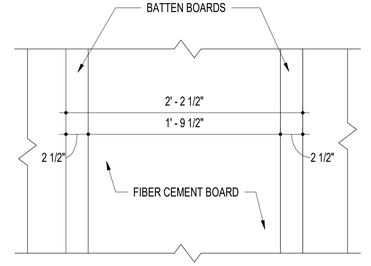
1 EAST ELEVATION (MAIN FACADE)
1/8" = 1'-0"



2 NORTH ELEVATION (MULTI-PURPOSE ROOM)
1/8" = 1'-0"



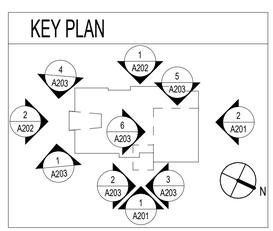
4 SIDE WALL ELEVATION
1/8" = 1'-0"



3 BATTEN SPACING @ EXT. OF MP ROOM
1 1/2" = 1'-0"

EXTERIOR MATERIAL KEY NOTES

KEYNOTE	DESCRIPTION
CP	NON-ACOUSTIC ROOF DECK
CWR	ALUMINUM EXTRUDED SIDING
FC-1	FIBER CEMENT PANELS AND TRIM
FC-2	FIBER CEMENT SIDING PANELS WITH BATTEN STRIPS, DARK COLOR
FC-3	FIBER CEMENT SIDING PANELS WITH BATTEN STRIPS, LIGHT COLOR
FC-4	FIBER CEMENT PANELS AND TRIM
MV	SIMULATED STONE VENEER
PC	PREFINISHED METAL COPING SYSTEM
RC	METAL FASCIA
S1	ALUMINUM DIMENSIONAL SIGNAGE, 18" HIGH LETTERS
SF	PREFINISHED ALUMINUM STOREFRONT FRAMING SYSTEM
WS	ADHERED MASONRY VENEER WATER TABLE AND WINDOW SILL



0 4' 8' 16'

DWG FILENAME

SEAL

STATE OF MARYLAND SUSAN HAWKS No. 16221 ARCHITECT

DATE: 5/15/2025

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

BUILDING ELEVATIONS

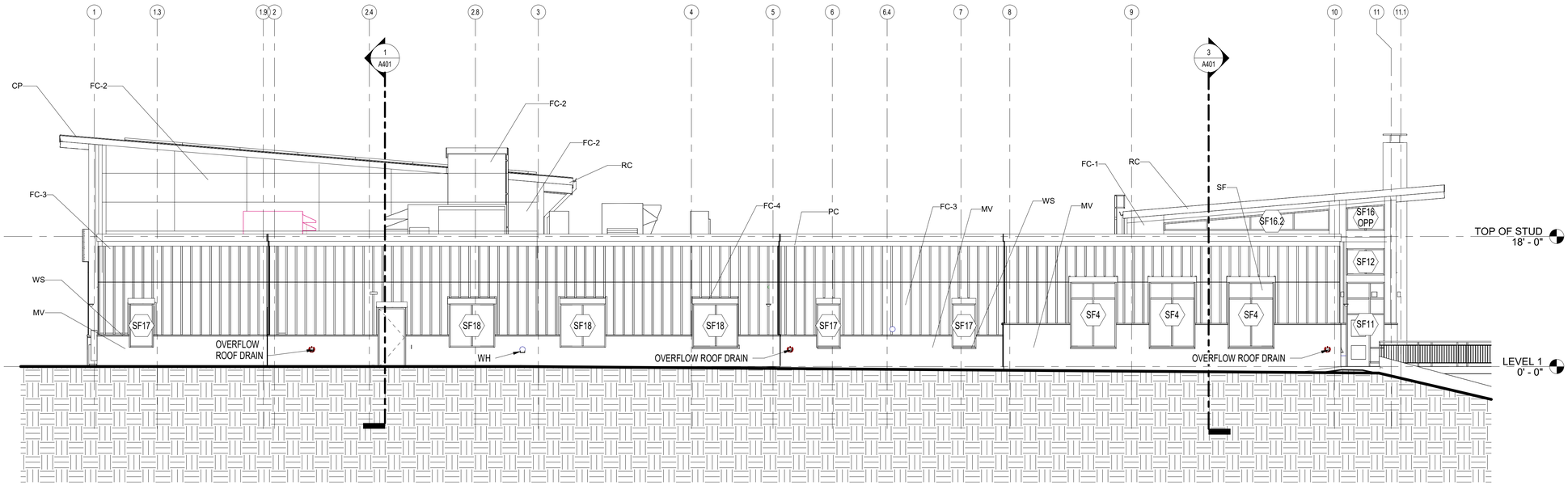
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

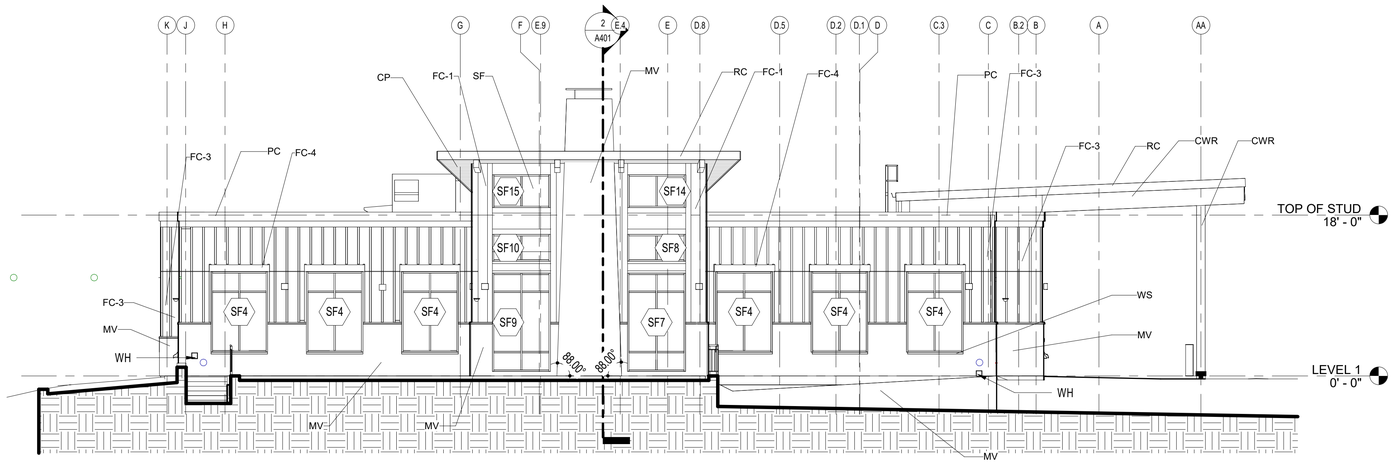
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A201	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	44 OF 195
	DRAWING NUMBER
	2025 - 0261
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



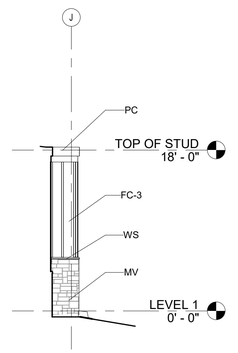
1 WEST ELEVATION (REAR FACADE)

1/8" = 1'-0"



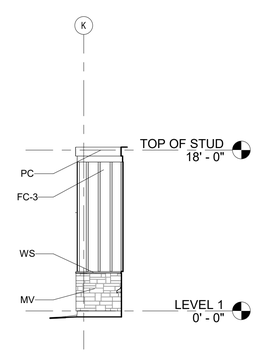
2 SOUTH ELEVATION (PATIO AREA)

1/8" = 1'-0"



3 SIDE WALL ELEVATION 1

1/8" = 1'-0"



4 SIDE WALL ELEVATION 2

1/8" = 1'-0"

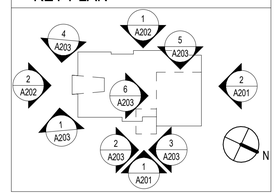
0 4' 8' 16'

ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

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6. WALL HYDRANT (WH), SEE PLUMBING DRAWINGS FOR DETAILS

EXTERIOR MATERIAL KEY NOTES	
KEYNOTE	DESCRIPTION
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FC-1	FIBER CEMENT PANELS AND TRIM
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RC	METAL FASCIA
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SF	PREFINISHED ALUMINUM STOREFRONT FRAMING SYSTEM
WS	ADHERED MASONRY VENEER WATER TABLE AND WINDOW SILL

KEY PLAN



SEAL

STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT

DATE: 5/15/2025

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PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
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CONTRACT COMPLETION BOX								

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

BUILDING ELEVATIONS

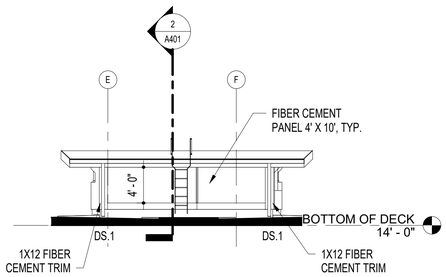
BID DOCUMENTS 5/15/2025

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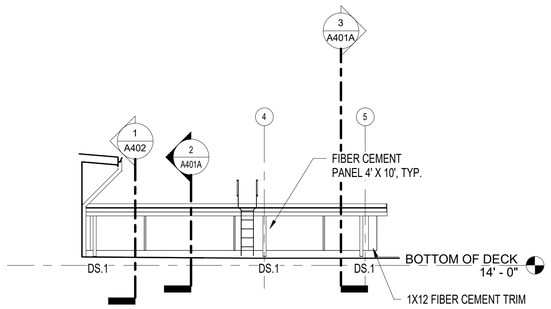
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	45 OF 195
	DRAWING NUMBER
	2025 - 0262
	FILE NO.: 8

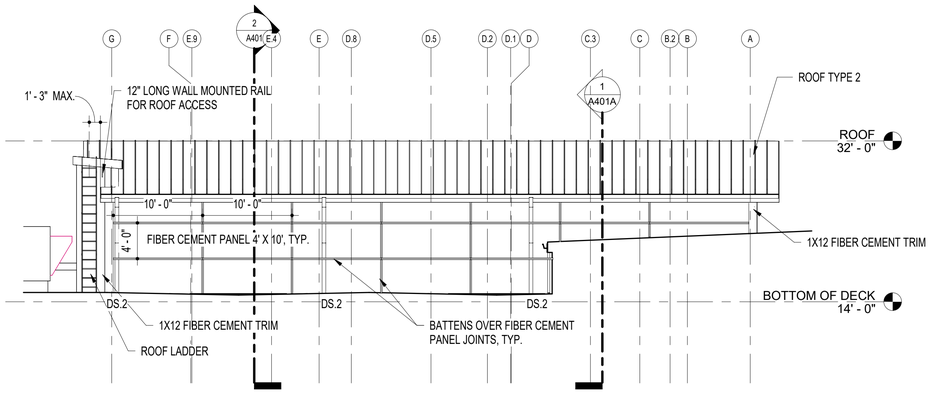
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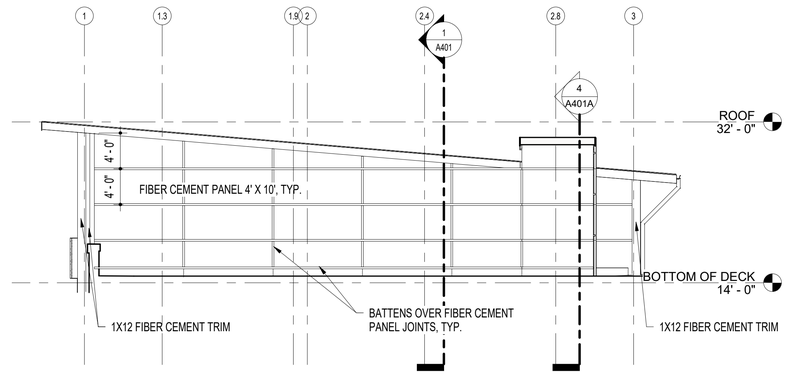
7 EXT ELEVATION AT LOUNGE
1/8" = 1'-0"



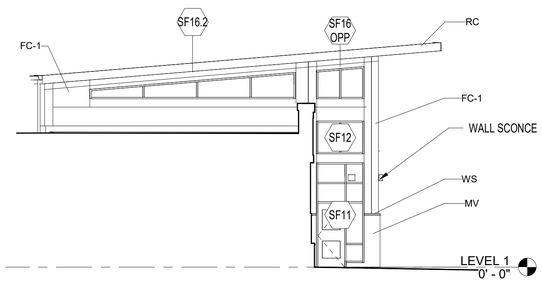
8 EXT. ELEVATION AT LOUNGE
1/8" = 1'-0"



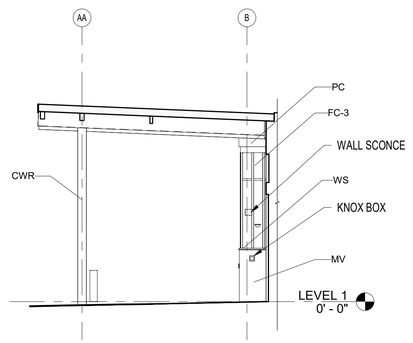
6 ROOF - SOUTH MP ELEVATION
1/8" = 1'-0"



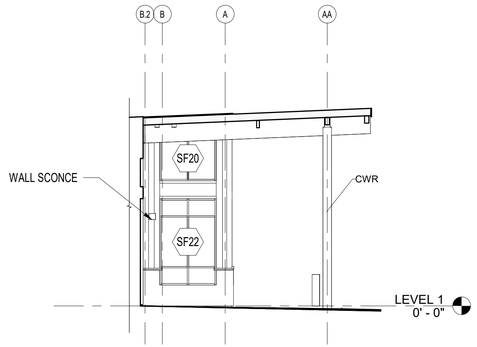
5 ROOF - WEST MP ELEVATION
1/8" = 1'-0"



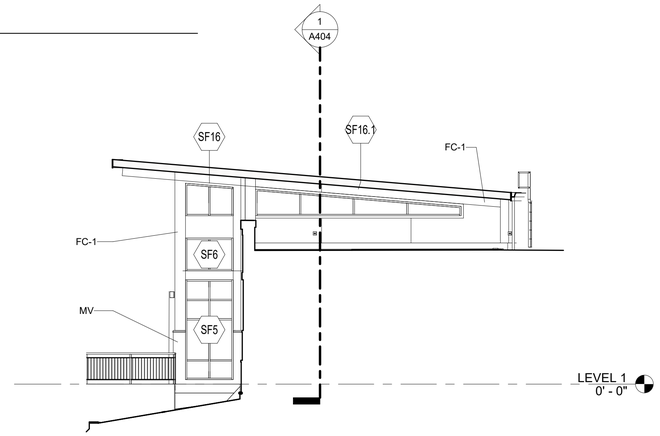
4 LOUNGE - WEST ELEVATION
1/8" = 1'-0"



3 ENTRANCE - SOUTH ELEVATION
1/8" = 1'-0"



2 ENTRANCE - NORTH ELEVATION
1/8" = 1'-0"



1 LOUNGE - EAST ELEVATION
1/8" = 1'-0"

0 4' 8' 16'

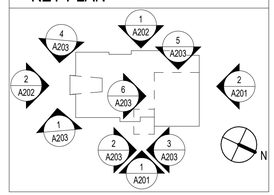
DWG FILENAME

ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

1. REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS.
2. REFER TO LARGE SCALE ELEVATION DETAILS AND SPECS FOR MASONRY PATTERNS, BONDING, SPECIAL SHAPES AND MORTAR COLOR PATTERNS.
3. PROVIDE SEALANT AT ALL INTERSECTIONS OF DISSIMILAR MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXTERIOR SEALANTS TO BE A CUSTOM COLOR SELECTED BY THE ARCHITECT. MORE THAN ONE SEALANT COLOR MAY BE SELECTED FOR USE ALONG THE HEIGHT OF THE SAME JOINT TO MATCH ADJOINING MASONRY OR MORTAR.
4. ALL EXTERIOR EXPOSED STEEL TO BE FIELD PAINTED WITH HIGH PERFORMANCE COATING UNLESS NOTED OTHERWISE. COLOR TO BE SELECTED BY THE ARCHITECT.
5. REFER TO SHEET A436 FOR TYPICAL EXTERIOR CONTROL JOINT DETAILS AND NOTES.
6. WALL HYDRANT (WH), SEE PLUMBING DRAWINGS FOR DETAILS

EXTERIOR MATERIAL KEY NOTES	
KEYNOTE	DESCRIPTION
CP	NON-ACOUSTIC ROOF DECK
CWR	ALUMINUM EXTRUDED SIDING
FC-1	FIBER CEMENT PANELS AND TRIM
FC-2	FIBER CEMENT SIDING PANELS WITH BATTEN STRIPS, DARK COLOR
FC-3	FIBER CEMENT SIDING PANELS WITH BATTEN STRIPS, LIGHT COLOR
FC-4	FIBER CEMENT PANELS AND TRIM
MV	SIMULATED STONE VENEER
PC	PREFINISHED METAL COPING SYSTEM
RC	METAL FASCIA
S1	ALUMINUM DIMENSIONAL SIGNAGE, 18" HIGH LETTERS
SF	PREFINISHED ALUMINUM STOREFRONT FRAMING SYSTEM
WS	ADHERED MASONRY VENEER WATER TABLE AND WINDOW SILL

KEY PLAN



SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
BUILDING ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A203	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	46 OF 195
	DRAWING NUMBER
	2025 - 0263
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

EXTERIOR COLORED ELEVATION NOTES

1. COLOR ELEVATIONS FOR FOR COLOR REFERENCE ONLY. REFER TO SHEETS A201 THRU A203 FOR ALL EXTERIOR ELEVATION NOTES AND DETAILS.



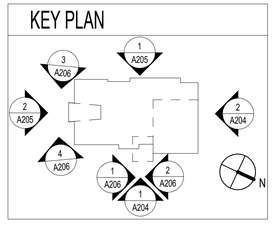
1 EAST ELEVATION (MAIN FACADE) - COLORED
1/8" = 1'-0"



2 NORTH ELEVATION (MULTI-PURPOSE ROOM) - COLORED
1/8" = 1'-0"

0 4' 8' 16'

KEY PLAN



DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
DATE: 5/15/2025	LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS–BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:							
	BY: DATE: CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
BUILDING ELEVATIONS - COLORED
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

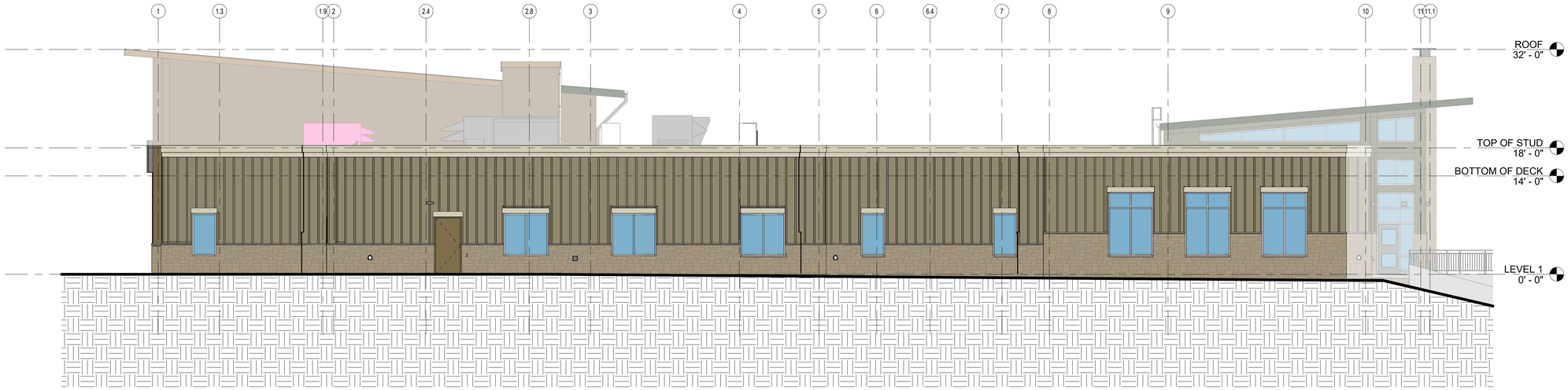
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A204	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	47 OF 195
	DRAWING NUMBER
	2025 - 0264
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

EXTERIOR COLORED ELEVATION NOTES

1. COLOR ELEVATIONS FOR FOR COLOR REFERENCE ONLY. REFER TO SHEETS A201 THRU A203 FOR ALL EXTERIOR ELEVATION NOTES AND DETAILS.



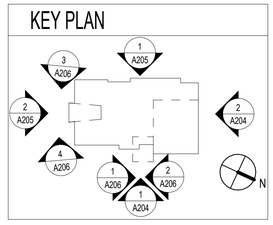
1 WEST ELEVATION (REAR FACADE) - COLORED
1/8" = 1'-0"



2 SOUTH ELEVATION (PATIO AREA) - COLORED
1/8" = 1'-0"

0 4' 8' 16'

KEY PLAN



DWG FILENAME

SEAL

STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

BUILDING ELEVATIONS - COLORED

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

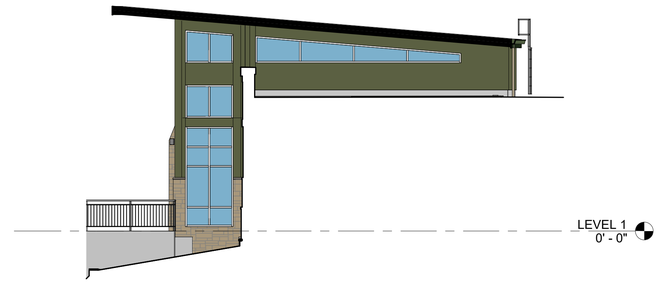
SHEET DESIGNATION	CONTRACT NUMBER
A205	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	48 OF 195
	DRAWING NUMBER
	2025 - 0265
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

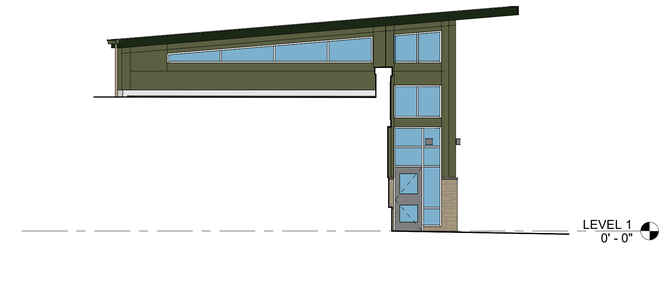
BID DOCUMENTS 5/15/2025

EXTERIOR COLORED ELEVATION NOTES

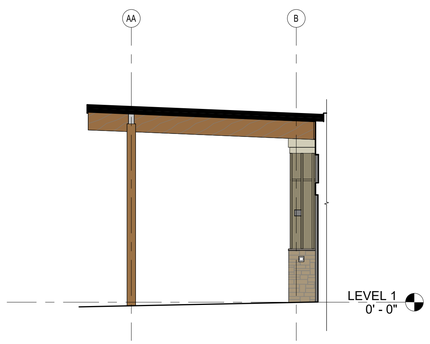
1. COLOR ELEVATIONS FOR FOR COLOR REFERENCE ONLY. REFER TO SHEETS A201 THRU A203 FOR ALL EXTERIOR ELEVATION NOTES AND DETAILS.



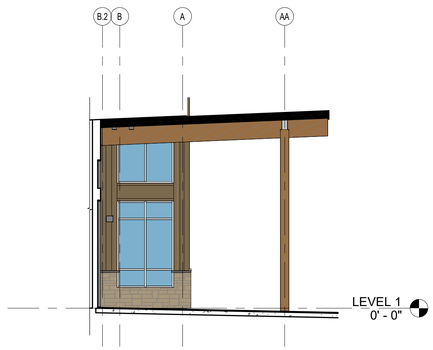
4 LOUNGE - EAST ELEVATION - COLORED
1/8" = 1'-0"



3 LOUNGE - WEST ELEVATION - COLORED
1/8" = 1'-0"



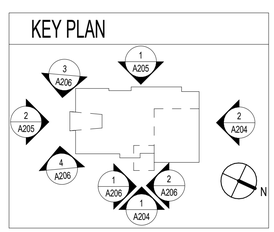
2 ENTRANCE - SOUTH ELEVATION - COLORED
1/8" = 1'-0"



1 ENTRANCE - NORTH ELEVATION - COLORED
1/8" = 1'-0"

0 4' 8' 16'

KEY PLAN



DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HAWKS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN		APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:									
DATE: 5/15/2025	BY: DATE:	CHKD BY: Checker	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
BUILDING ELEVATIONS - COLORED
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

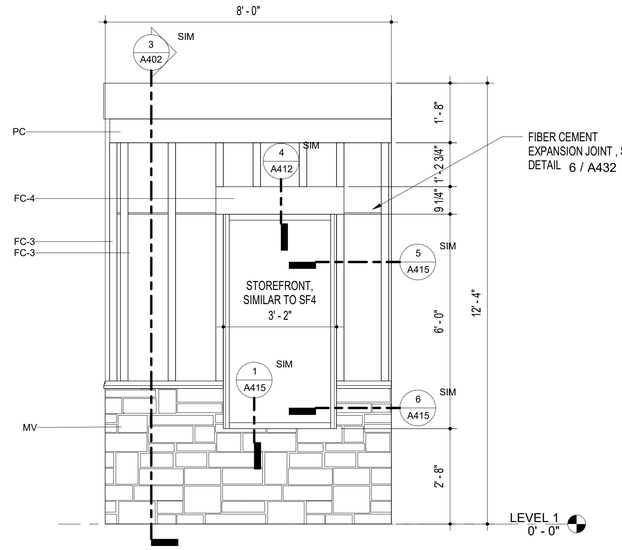
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A206	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	49 OF 195
	DRAWING NUMBER
	2025 - 0266
	FILE NO.: 8

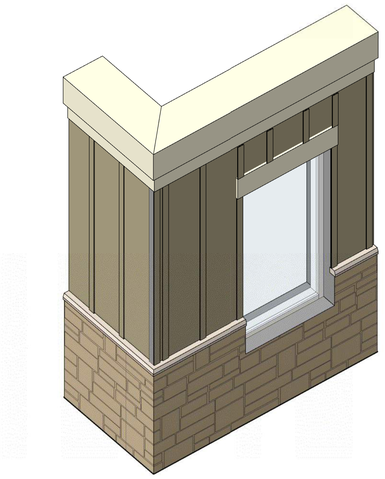
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

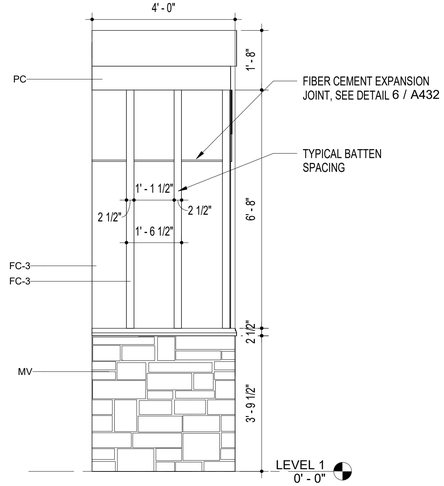


4 MOCK UP WALL ELEVATION 1

1/2" = 1'-0"

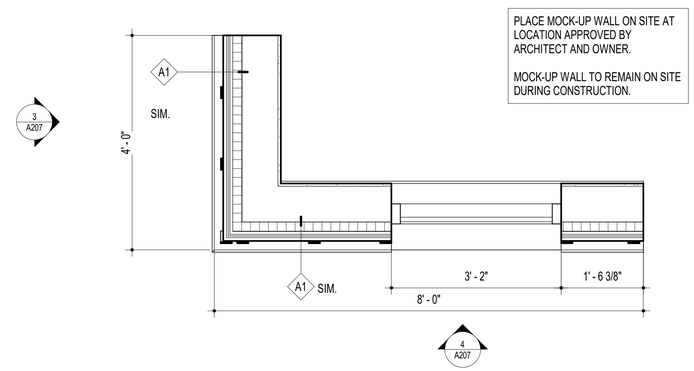


2 MOCK UP 3D AXON



3 MOCK UP WALL ELEVATION 2

1/2" = 1'-0"



1 MOCK UP WALL PLAN

3/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MOCK UP WALL
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A207	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	50 OF 195
	DRAWING NUMBER
	2025 - 0267
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 VIEW OF MAIN ENTRANCE
1 1/2" = 1'-0"



2 VIEW FROM MAIN DRIVE
1 1/2" = 1'-0"



3 AERIAL VIEW
1 1/2" = 1'-0"



4 VIEW OF PLAZA
1 1/2" = 1'-0"

DWG. FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

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CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
EXTERIOR RENDERINGS

BID DOCUMENTS 5/15/2025

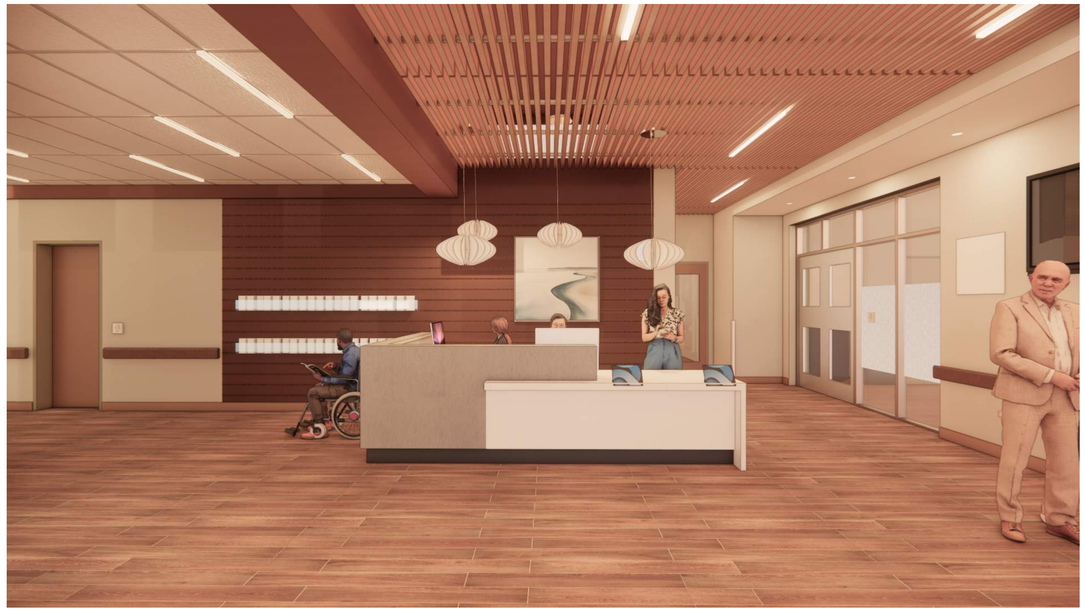
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A208	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	51 OF 195
	DRAWING NUMBER
	2025 - 0268
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 LOBBY/RECEPTION DESK
1 1/2" = 1'-0"



2 GAME ROOM
1 1/2" = 1'-0"



3 MULTIPURPOSE ROOM
1 1/2" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: 5/15/2025	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX							
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS--BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:							
	BY: DATE: CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
INTERIOR RENDERINGS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

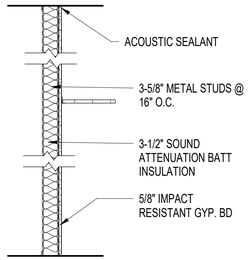
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A209	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	52 OF 195
	DRAWING NUMBER
	2025 - 0269
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

INTERIOR WALL TYPES



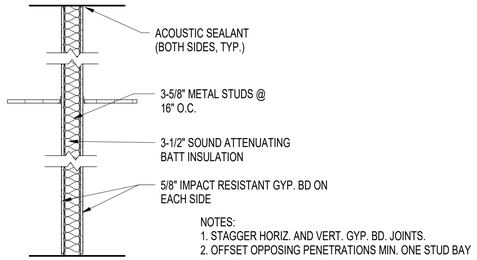
X1 AS SHOWN, STC 34

X2 AS SHOWN EXCEPT WITH 6" MTL STUDS

X3 AS SHOWN EXCEPT WITH 2-1/2" MTL STUDS

X4 AS SHOWN WITH (2) LAYERS 5/8" IMPACT RESISTANT GYP. BD.

X5 AS SHOWN EXCEPT WITH 10" MTL STUDS



K1 IMPACT RESISTANT GYP. BD. WALL (AS SHOWN), STC 49

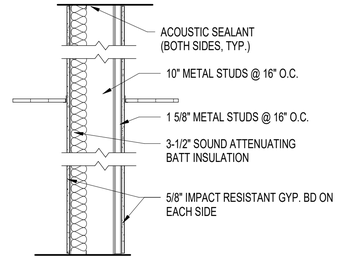
K2 IMPACT RESISTANT GYP. BD. WALL AS SHOWN EXCEPT WITH 6" METAL STUDS

K3 IMPACT RESISTANT GYP. BD. WALL AS SHOWN EXCEPT WITH 8" METAL STUDS

K4 SAME AS ABOVE, EXCEPT WITH 6" METAL STUDS; 1 HR RATED UL # U419

K6 AS SHOWN WITH PLYWOOD ON INTERIOR OF IT ROOM

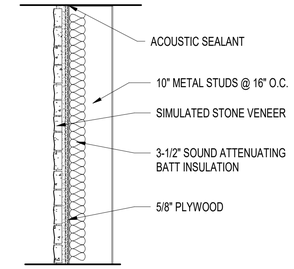
K7 SAME AS ABOVE, EXCEPT 1 HR RATED UL # U419



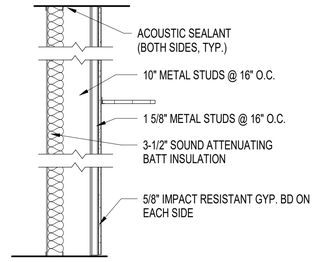
K5 IMPACT RESISTANT GYP. BD. WALL (AS SHOWN)

NOTES:
1. STAGGER HORIZ. AND VERT. GYP. BD. JOINTS.
2. OFFSET OPPOSING PENETRATIONS MIN. ONE STUD BAY

K8 SAME AS ABOVE, EXCEPT 1 HOUR RATED UL # U419



S1 IMPACT RESISTANT GYP. BD. WALL (AS SHOWN)



X5 IMPACT RESISTANT GYP. BD. WALL (AS SHOWN)

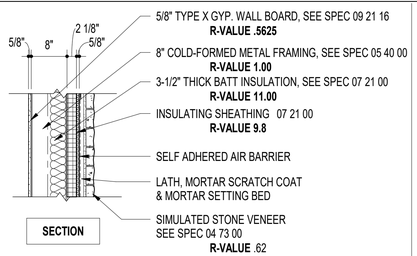
NOTES:
1. STAGGER HORIZ. AND VERT. GYP. BD. JOINTS.
2. OFFSET OPPOSING PENETRATIONS MIN. ONE STUD BAY

EXTERIOR WALL TYPES

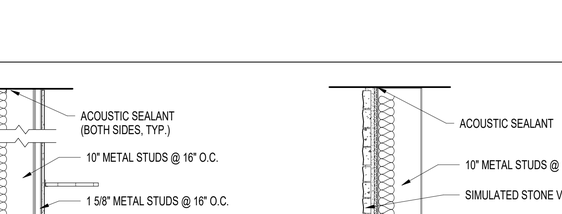
A1

TOTAL R-VALUE 22.98

(min. R-13 + R-7.5 ci)



SECTION



PLAN

A2

TOTAL R-VALUE 22.98

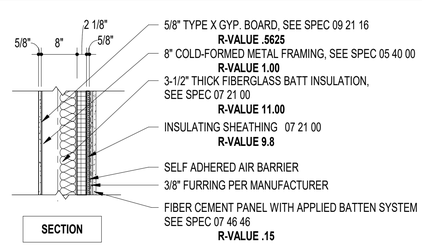
(min. R-13 + R-7.5 ci)

A2.1

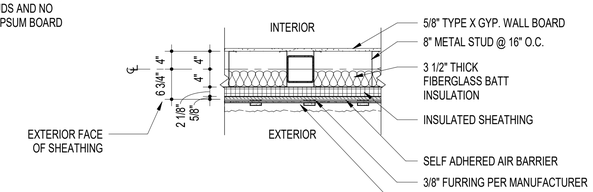
AS SHOWN EXCEPT WITH NO INTERIOR GYPSUM BOARD

A2.2

AS SHOWN EXCEPT WITH 6" METAL STUDS AND NO INTERIOR GYPSUM BOARD



SECTION



PLAN

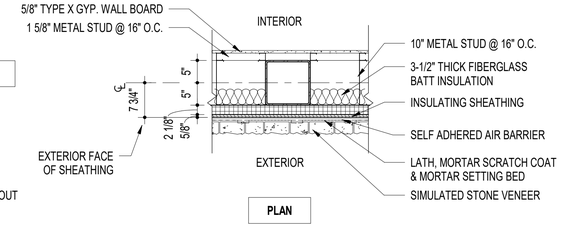
B1

TOTAL R-VALUE 22.98

(min. R-13 + R-7.5 ci)

B1.1

AS SHOWN EXCEPT WITHOUT 1 5/8" METAL STUD



PLAN

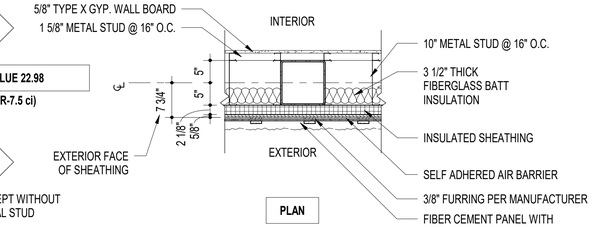
B2

TOTAL R-VALUE 22.98

(min. R-13 + R-7.5 ci)

B2.1

AS SHOWN EXCEPT WITHOUT 1 5/8" METAL STUD



PLAN

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HANKS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

DGN BY: Designer

DWN BY: Author

AS-BUILT PER RECORD PRINT

BY:

DATE:

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

INTERIOR/EXTERIOR WALL TYPES

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A301	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	53 OF 195
	DRAWING NUMBER
	2025 - 0270
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

COMcheck Software Version COMcheckWeb
Envelope Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title:
Location: Baltimore, Maryland
Climate Zone: 4a
Project Type: New Construction
Vertical Glazing / Wall Area: 25%

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 10.0 Required 19.0 Proposed
- Heat pump water heater, 0.0 credit
- Enhanced envelope performance, 7.0 credit
- Reduced lighting power, 0.0 credit
- On-site renewable energy, 9.0 credit
- Energy monitoring, 3.0 credit

Building Area	Floor Area
1-Senior Center (Town Hall) : Nonresidential	16679

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 1 - Senior Center] (c)	587	---	15.0	0.520	0.520
Roof: Metal Building, Standing Seam, Double Insulation Layer with Thermal Blocks (d), [Bldg. Use 1 - Senior Center]	7500	0.0	31.0	0.031	0.035
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Senior Center]	10600	---	31.0	0.031	0.032
NORTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Senior Center]	2943	13.0	10.0	0.055	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID EFCO 403X, SHGC 0.26, [Bldg. Use 1 - Senior Center] (b)	912	---	---	0.270	0.360
EAST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Senior Center]	3980	13.0	10.0	0.055	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID EFCO 403X, SHGC 0.26, [Bldg. Use 1 - Senior Center] (b)	1263	---	---	0.270	0.360
SOUTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Senior Center]	2050	13.0	10.0	0.055	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID EFCO 403X, SHGC 0.26, [Bldg. Use 1 - Senior Center] (b)	571	---	---	0.270	0.360
WEST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Senior Center]	3364	13.0	10.0	0.055	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID EFCO 403X, SHGC 0.26, [Bldg. Use 1 - Senior Center] (b)	347	---	---	0.270	0.360

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.
(d) Thermal spacer block with minimum R-3.5 must be installed above the purlin/batt, and the roof deck secured to the purlins.

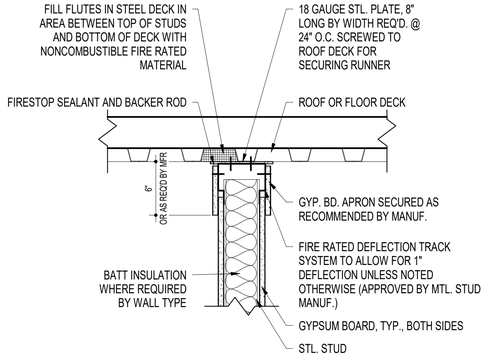
Envelope PASSES: Design 15% better than code

Envelope Compliance Statement

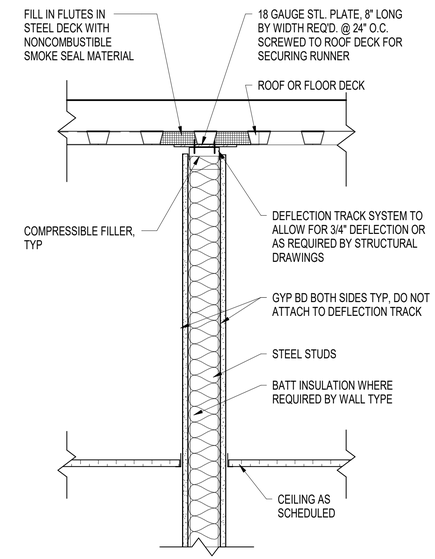
Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Susan Hains — Name - Title
Susan Hains — Signature
1/28/2025 — Date

WALL TERMINATION DETAILS

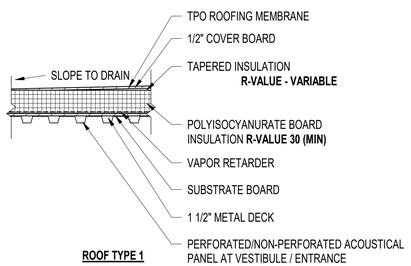


2 JOIST OR BEAM. PERP TO DECK
1 1/2" = 1'-0"



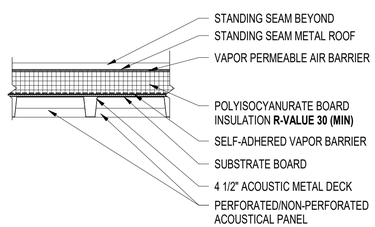
NON-RATED
1 STUD WALL TO DECK
1 1/2" = 1'-0"

ROOF TYPES



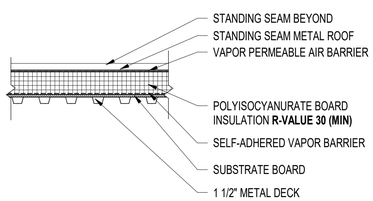
ROOF TYPE 1

TPO ROOF SYSTEM



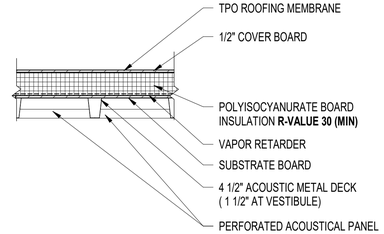
ROOF TYPE 2

STANDING SEAM METAL ROOF OVER ACOUSTIC DECK



ROOF TYPE 3

STANDING SEAM METAL ROOF



ROOF TYPE 4

TPO ROOF OVER ACOUSTICAL DECK

DWG FILENAME

SEAL: STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
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AS-BUILT PER RECORD PRINT
BY:
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CHKD BY: Checker

AS-BUILT / REVISION
PERMIT REVISIONS # 1
CONTRACT COMPLETION BOX
BY: 1
DATE: 3/19/25
P.W.A NO.
KEY SHEET: UNE
POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12
DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ROOF TYPES AND WALL TERMINATION DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A302	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	54 OF 195
	DRAWING NUMBER
	2025 - 0271
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

FINISH SCHEDULE

RM. NO.	NAME	FLOOR	BASE	WALLS				CLG. MATL.	REMARKS
				A	B	C	D		
100	VESTIBULE	PT/WOC	WB	PTD	PTD	PTD	PTD	WT/MAD	
101	LOBBY	PT-1	WB	PTD	PTD	PTD	PTD	WS/APC1	
102A	CLASSROOM	RF	RST	PTD	PTD	PTD	PTD	APC1	
102B	CLASSROOM	RF	RST	PTD	PTD	PTD	PTD	APC1	
103	CIRCULATION	PT-1	WB	PTD/ CT	PTD	PTD	PTD	WS/APC1	
104	ARTS & CRAFT	RF	RST	PTD	PTD	PTD	PTD	APC1	
104A	STORAGE	VCT	RST	PTD	PTD	PTD	PTD	APC1	
105	DANCE & YOGA EXERCISE	RPF	VB	PTD	PTD	PTD	PTD	APC1	
105A	STORAGE	VCT	RST	PTD	PTD	PTD	PTD	APC1	
106	LOUNGE / GAME ROOM	PT-2	WB	AP/PTD	AP/PTD	AP/PTD	AP/PTD	WT/MAD	1, 3 - SEE INTERIOR ELEVATIONS
107	FITNESS	SPORT	RES	PTD	PTD	PTD	PTD	APC1	
108	UNISEX	RES	RES	PTW-1/2	PTW-1/2	PTW-1/2	PTW-1/2	GYP	6 - SEE INTERIOR ELEVATIONS
109	JC	CONC1	NONE	PTD	PTD	PTD	PTD	EXP	5
110	WOMEN	RES	RES	PTW-1/2	PTW-1/2	PTW-1/2	PTW-1/2	GYP	6 - SEE INTERIOR ELEVATIONS
111	MEN	RES	RES	PTW-1/2	PTW-1/2	PTW-1/2	PTW-1/2	GYP	6 - SEE INTERIOR ELEVATIONS
112	FLEX OFFICE	CPT	RST	PTD	PTD	PTD	PTD	APC2	
113	CORRIDOR	PT-1	WB	PTD	PTD	PTD	PTD	WS/APC1	
114	TRAVEL & COUNCIL'S OFFICE	CPT	RST	PTD	PTD	PTD	PTD	APC2	
115	IT	VCT	RST	PTD	PTD	PTD	PTD	EXP	
116	WORKROOM	CPT	RST	PTD	PTD	PTD	PTD	APC2	
117	DIRECTOR'S OFFICE	CPT	RST	PTD	PTD	PTD	PTD	APC2	
118	ASST. OFFICE	CPT	RST	PTD	PTD	PTD	PTD	APC2	
119	CCO	CPT	RST	PTD	PTD	PTD	PTD	APC2	
120	STORAGE	VCT	RST	PTD	PTD	PTD	PTD	APC1	
123	MULTI-PURPOSE ROOM	WAF	VB	WP-1/2 / PTD /AP-1	WP-1/2 / PTD /AP-1	WP-1/2 / PTD /AP-1	WP-1/2 / PTD /AP-1	WT/MAD	1, 3 - SEE INTERIOR ELEVATIONS
123C	AV	VCT	RST	PTD	PTD	PTD	PTD	APC1	
124	MP STORAGE	VCT	RST	PTD	PTD	PTD	PTD	EXP	
125	ELEC. ROOM	CONC1	NONE	PTD	PTD	PTD	PTD	EXP	
126	MECH. ROOM	CONC1	NONE	PTD	PTD	PTD	PTD	EXP	
127	FIRE PUMP ROOM	CONC1	NONE	PTD	PTD	PTD	PTD	EXP	
128	KITCHEN	RES	RES	PTD	PTD	PTD	PTD	APC-3	
129	KITCHEN STORAGE	RES	RES	PTD	PTD	PTD	PTD	APC-3	

TYPICAL NOTES

1. REFER TO FLOOR PLANS, CEILING PLANS, INTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION AND EXTENT OF EACH FINISH WHEN MORE THAN ONE FINISH IS INDICATED FOR ANY SPACE.
2. SEE CEILING PLANS FOR HEIGHTS OF CEILINGS AND LOCATIONS AND HEIGHTS OF BULKHEADS, SOFFITS, ETC.
3. PAINT ALL EXPOSED STEEL LADDERS, LINTELS, HUNG PLATES, HAND AND GUARD RAILS, STAIRS AND STRINGERS.
4. PAINT ALL EXPOSED STEEL COLUMNS, TRUSSES, JOISTS, BEAMS, DECK, AND MISCELLANEOUS BRIDGING, ANGLES, PLATES, ETC.
5. INSTALL CERAMIC/PORCELAIN TILE COVE BASE FLUSH WITH FLOOR TILE AND FLUSH WITH CERAMIC/PORCELAIN WALL TILE.
6. FIELD PAINT ALL EXPOSED, NON-FACTORY FINISHED STRUCTURAL AND MEP COMPONENTS.
7. PROVIDE SEALANT AT INTERSECTIONS OF DISSIMILAR MATERIALS, COMPLYING WITH SPECIFICATIONS.
8. REFER TO INTERIOR ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION. PROVIDE ALL FINISH MATERIALS SHOWN IN PLANS, ELEVATIONS OR SECTIONS AS NOTED OR DEPICTED ON THE DRAWINGS AND SPECIFICATIONS.
9. BRING CONFLICTS TO THE ARCHITECTS ATTENTION DURING THE BIDDING PERIOD FOR CLARIFICATION.
10. WALL AND CEILING FINISHES TO INCLUDE ALL PROJECTIONS, BEAM ENCLOSURES, RECESSES, BULKHEADS, MATERIAL CHANGES, OR OTHER ENCLOSURES.
11. ELECTRICAL OUTLETS, CLOCKS, P.A. SPEAKERS OR OTHER DEVICES SHOWN ON THE ARCHITECTURAL DRAWINGS SERVE TO CALL ATTENTION TO THE PRESENCE OF SUCH DEVICES. NOT ALL DEVICES MAY BE SHOWN ON ARCHITECTURAL DRAWINGS. CONSULT THE OTHER DRAWINGS FOR FURTHER INFORMATION AND ADVISE ARCHITECT OF ANY CONFLICT OF LOCATION OR TYPE OF DEVICES SHOWN. COORDINATE ALL WORK, FINISHES AND DEVICES.
12. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT TOILET ROOMS, & SERVICE CLOSETS FOR WALLS DESIGNATED AS GYPSUM BOARD WALL TYPES. PROVIDE TILE BACKER BOARD AT WALLS DESIGNATED AS GYPSUM BOARD WALL TYPES WITH TILE FINISH.
13. FIELD PAINT ELECTRICAL PANELS EXCEPT PANELS LOCATED IN ELECTRICAL CLOSETS AND MECHANICAL ROOMS.
14. BRING CONFLICTS BETWEEN THE FINISH SCHEDULE AND MATERIALS SHOWN ON OTHER DRAWINGS (AND/OR SPECIFICATIONS) TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. IF A CONFLICT EXISTS IN/BETWEEN DRAWINGS (AND/OR SPECIFICATIONS), THE MORE STRINGENT AND MORE COSTLY REQUIREMENT TO APPLY.
16. RESINOUS FLOORING TO EXTEND WALL TO WALL AND CONTINUE BELOW ANY CASEWORK WITHIN SPACE.
17. ALL RESILIENT FLOORING SHALL EXTEND BELOW CASEWORK AND BE SCRIBED TO WALLS, COLUMNS, FLOOR OUTLETS AND OTHER APURTENANCES.

NUMBERED REMARKS

WHEN SHOWN IN THE REMARKS COLUMN OF THE FINISH SCHEDULE:

1. EXPOSED CONSTRUCTION (STRUCTURE, ROOF DECK, MECHANICAL EQUIPMENT, AND DUCTS) WILL EACH BE PAINTED SEPERATE COLORS.
2. EXPOSED CONSTRUCTION PAINTED FLAT BLACK.
3. SEE INTERIOR ELEVATIONS FOR ACOUSTIC PANEL LOCATIONS.
4. SEE REFLECTED CEILING PLAN FOR INTERACTIVE ACOUSTIC PANEL LOCATIONS.
5. PROVIDE STAINLESS STEEL BACKPLASH AT WALL BEHIND MOP SINK. WIDTH OF SURFACING TO MATCH WIDTH OF SINK AND HEIGHT TO EXTEND TO 6" ABOVE FAUCET PIPING CENTERLINE. SEAL ALL PANEL BUTT JOINTS AND JOINT TO BASE CONDITION WITH SANITARY SEALANT.
6. PROVIDE PORCELAIN TILE FULL HEIGHT AT ALL WET WALLS TO INCLUDE TOILETS AND SINKS WITH BASE AS SCHEDULED. AT NON WET WALLS IN TOILET, PROVIDE HPC. ALL OTHER AREAS TO RECEIVE PTD.
7. CORNER GUARDS, TO BE FULL HEIGHT, STARTS ABOVE BASE AND TERMINATE 7'-0" AFF, SEE FINISH FLOOR PLAN FOR LOCATIONS

TYPICAL FINISHES

SPACES NOT LISTED ON THE SCHEDULE TO HAVE THE TYPICAL FINISHES LISTED BELOW:

FLOORS:	VCT
BASE:	RST
WALLS:	PTD
CEILING:	APC1

GYP. BD. ABOVE H.M. FRAMES AS INDICATED ON SECTIONS. DETAILS TO RECEIVE SAME TOP COATS AS ADJACENT WALLS UNLESS OTHERWISE NOTED.

FINISH MATERIALS

FLOORS

CONC1	CONCRETE WITH HARDENER
CPT	CARPET
PT	PORCELAIN TILE
RES	RESINOUS FLOORING W/ INTEGRAL BASE
RF	RESILIENT FLOORING
RPF	RESILIENT PERFORMANCE FLOORING
SPORT	RUBBER SPORTS FLOOR
VCT	VINYL COMPOSITION TILE
WAF	WOOD ATHLETIC FLOORING
WOC	WALK OFF CARPET

BASES

NONE	NO BASE
CT	CERAMIC TILE
PT	PORCELAIN TILE
RES	RESINOUS BASE
RST	RESILIENT BASE
VB	VENTED RUBBER BASE
WB	WALL BASE

CEILINGS

APC1	ACOUSTIC PANEL CLG. - 2'X4'
APC2	ACOUSTIC PANEL CLG. - 2'X2'
APC3	VINYL ACOUSTIC PANEL
EXP	EXPOSED CONSTRUCTION - PAINTED
GYP	GYPSUM BOARD CEILING - PAINTED
WS	WOOD SLAT CEILING
MAD	METAL ACOUSTIC DECK
WT	WOOD TRUSS

WALLS

CT	CERAMIC TILE
PT	PORCELAIN TILE
PTD	PAINTED
HPC	HIGH PERFORMANCE COATING
AP	ACOUSTIC PANELS
WP	WALL PROTECTION

WALL KEY

WALLS ON FINISH SCHEDULE ARE DENOTED THUS:



TYPICAL UNLESS OTHERWISE NOTED.

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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AS-BUILT PER RECORD PRINT

BY:

DATE:

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DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FINISH SCHEDULE

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

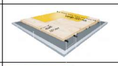
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A303	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	55 OF 195
	DRAWING NUMBER
	2025 - 0272
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

JACKSONVILLE SENIOR CENTER INTERIOR FINISHES

100% CD SUBMISSION

DESIGNATION	MATERIAL	MANUFACT.	STYLE/COLOR/FINISH	SIZE	NOTES/REMARKS	IMAGE
INTERIOR MATERIALS						
FLOORING and BASE						
CPT	CARPET TILE	SHAW CARPET TILE	GLIMMER TILE 593329 Color: GLEAM 27585 Pattern: ASHLAR	24" x 24" TILE	IN ADMIN AREAS SPEC 096813	
PT-1	PORCELAIN TILE - LOBBY DARK BROWN	CAESAR CERAMICHE BEST TILE REP rep: Eva Godwin egodwin@besttile.com	COCOON - COLOR: PEACE	8"x 48" PLANK	IN LOBBY , VESTIBULE and CORRIDOR - SEE DRAWING FOR PATTERNS SPEC 093013	
PT-2	PORCELAIN TILE - LOBBY LIGHT BROWN	CAESAR CERAMICHE BEST TILE REP rep: Eva Godwin egodwin@besttile.com	COCOON - COLOR: BLISS	8"x 48" PLANK	LOUNGE/GAME RM SPEC 093013	
RF	RESILIENT FLOORING	MATTER SURFACES	PURLINE 8"X48" LARGE PLANKS COLOR: NOBLE ELM	8" x 48" PLANK	IN CLASSROOMS and ARTS and CRAFTS, WORK ROOM. SPEC 096519	
VCT	VINYL COMPOSITE TILE	TARKETT	VCT II 504 COPPER	12" x 12"	STORAGE ROOMS / UTILITY	
WAF	WOOD ATHLETIC FLOORING	TARKETT	TARKETT - CLUTCH COURT - PERFORMANCE VERT - FIRST GRADE MAPLE WITH STAIN COLOR : MINWAX EARLY AMERICAN MW 230 WITH BLACK PAINTED STRIPES FOR PICKLEBALL.	2" deep	MULTI-PURPOSE ROOM SPEC 096466	
VB	VENTED BASE	JOHNSONITE	JOHNSONSITE VENTED WALL BASE COLOR 47 - BROWN	4" HIGH - 3" LONG	MP ROOM and DANCE ROOM	
RPF	RESILIENT PERFORMANCE FLOORING	ENTERTAINMENT FLOORING SYSTEMS	TIMBERFLOOR DANCE SURFACE ON EFS SPRUNG FLOOR. TIMBERFLOOR IS SHEET VINYL THAT LOOKS LIKE WOOD. COLOR: OAK	2MM THICK FINISH - TOTAL FLOOR 1.25"	DANCE/ YOGA ROOM SPEC 096567	
SPORT	RUBBER FITNESS FLOOR	MONDO	SPORT IMPACT - COLOR: 011 MEDIUM GREY	10mm thick 3' x 3' TILES	FITNESS ROOM SPEC 096565	
RES	RESINIOUS EPOXY FLOORING	SHERWIN WILLIAMS	SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING - FasTop Deco Flakes with Elladure 4850 polyaspartic topcoats. 1/8" FLAKE. RESTROOM COLOR: DESSERT MIRAGE KITCHEN COLOR: MILKY WAY		RESTROOMS / KITCHEN SPEC 096723	
RSB	RESINOUS EPOXY INTEGRAL BASE	SHERWIN WILLIAMS	SHERWIN WILLIAMS HIGH PERFORMANCE INTEGRAL BASE- DECO FLAKE 1/8" FLAKE RESTROOM COLOR: DESSERT MIRAGE KITCHEN COLOR: MILKY WAY		RESTROOMS / KITCHEN SPEC 096723	SAME AS RES
CONC-1	CHEMICALLY HARDENED CONCRETE - "SEALED"		SEE SPEC 033546.23		MECH ROOM / JAN CLOSET	
RST	VINYL WALL BASE	JOHNSONITE	COLORS TO VARY - WILL PICK FROM STANDARD PALETTE	6"	TYPICAL ADMIN, CLASSROOM and MISC SPACES	
WOC	WALK-OFF CARPET	MATS, INC MATTER SURFACES	SUPER NOP 52 - SN6TP - CARPET WITH ADA RUBBER EDGE - COLOR "CHOCO"	SIZE TO FIT VESTIBULE	ENTRY VESTIBULE SPEC 124813	
WB	WALL BASEBOARD	CONSTRUCTION SPECIALTIES	WALL BASE SRF-WB COLOR : BURMESE TEAK WOOD GRAIN 1312	6" TALL	VESTIBULE, CORRIDORS	
WALLS						
PTW-1	PORCELAIN WALL TILE	BEST TILE BEST TILE REP rep: Eva Godwin egodwin@besttile.com	OAHU/ PORCELAIN COLOR: IVORY	12" x 24"	RESTROOM WALLS SPEC 093013	
PTW-2	PORCELAIN WALL TILE ACCENT	BEST TILE BEST TILE REP rep: Eva Godwin egodwin@besttile.com	OAHU/ PORCELAIN COLOR: HONEY	2.5" x 24" TRIM	RESTROOM WALLS	
CT	CERAMIC TILE	DALTILE	CERAMIC WALL TILE - REMEDY - COLOR: HERBAL RD 21	2" x 10" run vertical	AT WATER COOLER NICHE SPEC 093013	
WP-1	WALL PROTECTION WAINSCOTT / CHAIRRAIL/ TRIM	CONSTRUCTION SPECIALTIES	ACROVYN WALL PANELS : 3/8" RELIEF PANEL w 1/2" RECESSED REVEAL, WRAPPED EDGE 1 1/2": ACROVYN STRIPE IN BACK OF 1/2" REVEAL. SQUARE CHAIR RAIL FR 259 in MP RM COLOR: BEIGE 103	SEE DRAWINGS CHAIR RAIL 4" x 3/4"	MULTI-PURPOSE ROOM SPEC 102623	
WP-2	WALL PROTECTION / TRIM	CONSTRUCTION SPECIALTIES	ACROVYN WALL PANELS : TRIM - SEE DRWGS FOR DEPTH AND SIZES COLOR: CUCUMBER 1595	SEE DRAWINGS	MULTI-PURPOSE ROOM SPEC 102623	
WP-3	WALL PROTECTION HANDRAIL AND TRIM	CONSTRUCTION SPECIALTIES	OTHER WALL TRIM- AT CEILING AND BASE IN CORRIDOR: ASSORTED SIZES: BURMESE TEAK WOOD GRAIN 1312	SEE DRAWINGS	MP ROOM, LOBBY and CORRIDOR SPEC 102623	

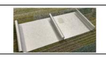
JACKSONVILLE SENIOR CENTER INTERIOR FINISHES

100% CD SUBMISSION

DESIGNATION	MATERIAL	MANUFACT.	STYLE/COLOR/FINISH	SIZE	NOTES/REMARKS	IMAGE
INTERIOR MATERIALS						
HANDRAIL	WALL HANDRAIL	CONSTRUCTION SPECIALTIES	HANDRAIL HRB 20C : COLOR : BURMESE TEAK WOOD GRAIN 1312	HANDRAIL 5 5/8"H x 3" D	LOBBY and CORRIDOR SPEC 102623	
AP-1	ACOUSTICAL WALL PANELS	3-FORM	WALL PANELS - SWELL COLORS : BASE COLOR: DUNE ACCENT LINE : SILT	WALL PANELS SEE DWGS	MULTI-PURPOSE ROOM SPEC 098400	
AP-2	ACOUSTICAL WALL PANELS	3-FORM	WALL PANELS - SWELL COLORS TBD	WALL PANELS SEE DWGS	LOUNGE/ GAME ROOMS SPEC 098400	
SW	SLAT WALL	MARLITE	SLATWALL MDF - 23325 NORTHERN OAK		LOBBY/ CORRIDOR	
CEILING						
APC-1 & 2	ACOUSTICAL PANEL CEILING TILE	ARMSTRONG / USG	ARMSTRONG ULTIMA SQUARE LAY-IN 1910 GRID: USG DONN-DX 15/16" EXPOSED TEE FLAT WHITE or ARMSTRONG PRELUDE 15/16" BLIZZARD WHITE	2 x 2 PANELS - AND 2 x 4 SEE DWGS	TYPICAL ACT SPEC 095113	
WT	INTERIOR WOOD TRUSS	NORDIC STRUCTURES NordicLam+	STAINED TO MATCH SANSIN.COM STAINED SANSIN COLOR ACORN		MULTI-PURPOSE ROOM and LOUNGE/GAME ROOM	
WS	LINEAR WOOD SLAT CEILING	ARMSTRONG	WOODWORKS LINEAR SOLID WOOD PANELS - 3" COLOR: MAPLE (GMP) ON POPLAR	3" wide panels in 12" x 96" - 3/4 thick boards	LOBBY LINEAR LIGHT FIXTURES COORD WITH THIS. SPEC 095435	
MAD	METAL ACOUSTICAL DECK	EPIC METALS	ENVISTA ACOUSTICAL ROOF DECK - FA 4.5 " DECK (GAUGE BY STRUCT ENG) FINISH: DARK CHERRY	SEE DWGS	MULTI-PURPOSE ROOM, ENTRY VESTIBULE, AND LOUNGE	
APC-3	ACOUTICAL CEILNG PANELS - WATER RESISTANT (for KITCHEN)	ARMSTRONG	VINYL COATED ACOUSTICAL CEILING PANELS FOR KITCHENS	SEE DWGS	KITCHEN	
COUNTERTOPS / SILLS						
SS-1	SOLID SURFACE: WINDOW INTERIOR SILLS and COUNTERTOPs.	CORIAN	COLOR : SAVANNAH	SEE DWGS	COUNTERTOP IN CLASSROOM, ARTS/CRAFTS, WORK ROOM, MP PASS THRU, RESTROOM and WINDOW SILLS. SPEC 123600	
CASEWORK						
PL-1	PLASTIC LAMINATE	FORMICA	WHEAT STRAND - MATTE TEXTURE 6212-58		CASEWORK IN CLASSROOM, ART/CRAFTS and WORK ROOM SPEC 064023	
PL-2	BOOKSHELVES/CUBBIES	STEVENS CASEWORK	LAMINATE: WILSONART - RIVER CHERRY 7937-38	SEE DRAWINGS	LOUNGE / GAME ROOM / DRANCE ROOM	
TOILET PARTITION, FIREPLACE, MILLWORK, GLASS FILM						
SQ-1	SOLID QUARTZ	CORIAN	CALACATTA MEDALLIAN	2 cm	RECEPTION DESK	
SQ-2	SOLID QUARTZ	CORIAN	GEO GRIGIO	2 cm	RECEPTION DESK	
PL-2	PLASTIC LAMINATE	FORMICA	GREEN FELT 4974		RECEPTION DESK front	
PL-3	PLASTIC LAMINATE	FORMICA	WHITE 949		RECEPTION DESK inside	
PL-4	PLASTIC LAMINATE	FORMICA	GRAPHITE 837		RECEPTION DESK - base	
TSP	TOILET STALL PARTITIONS	SCRANTON PRODUCTS	HINY HIDERS 1" SOLID HIGH DENSITY PARTITIONS - FLOOR MOUNTED W HEADRAIL. COLOR: MOCHA ORANGE PEEL CONTINUOUS HINGES, SHIPLAP EDGES FOR NO VISIBILITY, OCCUPANCY INDICATORS	VARIES	RESTROOMS - SEE DRAWINGS FOR LOCATION SPEC 102113.19	
GF	INTERIOR GLASS PRIVACY FILM	SOLYX	STATIC CLING: SX- SC 576- WHISPER	36" WIDE - PATTERN TO CONTINUE	INTERIOR GLASS - SEE DRAWINGS	
FP	INTERIOR ELECTRIC FIREPLACE	MODERN BLAZE	Modern Blaze - Built-In Redstone 54" - Electric		LOUNGE/ GAME ROOM SPEC 103001	

JACKSONVILLE SENIOR CENTER EXTERIOR FINISHES

100% CD SUBMISSION

DESIGNATION	MATERIAL	MANUFACT.	STYLE/COLOR/FINISH	SIZE	NOTES/REMARKS	IMAGE
EXTERIOR MATERIALS						
MV	ADHERED MASONRY VENEER -(SIMULATED STONE) WITH SILL TO MATCH	EL DORADO STONE	EL DORADO: CLIFFSTONE CAMBRIA		SPEC 047300	EL DORADO: 
WS	ADHERED MASONRY VENEER SILL TO MATCH MV	EL DORADO STONE OR NITTERHOUSE	COLOR TO MATCH STONE			
FC-1	FIBERCEMENT PANELS AND TRIM COLOR 1 - GREEN	HARDIE PLANK VERTICAL SIDING	SMOOTH FINISH - COLOR: MOUNTAIN SAGE	4'x 12' PANELS with BATTEN TRIM and LARGER TRIM at WINDOWS	SPEC 074646	
FC-2	FIBERCEMENT PANELS AND TRIM COLOR 2 - BROWN	HARDIE PLANK VERTICAL SIDING	SMOOTH FINISH - COLOR: KHAKI BROWN		SPEC 074646	
FC-3	FIBERCEMENT PANELS AND TRIM , COLOR 3 - DARKER BEIGE	HARDIE PLANK	SMOOTH FINISH - COLOR: MONTEREY TAUPE			
FC-4	FIBERCEMENT PANELS AND TRIM COLOR 4 - LIGHTER BEIGE	HARDIE PLANK	SMOOTH FINISH - COLOR: COBBLE STONE			
SF	ALUMINUM EXTERIOR STOREFRONT	EFCO	EFCO 403X COLOR: CHAMPAGNE ULTRA-ESCENT II MICA	2" x 4.5" SYSTEM	ALL STOREFRONT SPEC 084113	
CWR	ALUMINUM EXTRUDED SIDING COLUMN WRAPS and CANTILEVER TRUSS WRAPS AT EXTERIOR	LONG BOARD	LONG BOARD STYLE: COLOR LIGHT CHERRY		AT ENTRY COLUMNS AND CANTILEVER BEAMS AT ROOF EDGE	
CP	EXTERIOR METAL SOFFIT PANEL	EPIC METALS TIMBERLOCK, ENVISTA ROOF AND FLOOR DECK CEILING SYSTEM	DARK CHERRY		AT ENTRY FRONT DOOR CEILING	
PC	METAL PARAPET WALL COPING		COLOR TO MATCH FC-4			
RC	METAL FASCIA AT STANDING SEAM METAL ROOF		TO MATCH DARKER GREEN/ BROWN COLOR			
R-2	STANDING SEAM METAL ROOF	PAC CLAD	STONE WHITE		SPEC 074213.16	
R-1	FLAT ROOF - ROOF TYPE 2		OFF WHITE COLOR SELECTED TO MEET SRC COEFFICIENT FOR LEED			
MOW	BONDED DECORATIVE PEBBLE SYSTEM (Mow Strip)	Gravel-lok w PEBBLES	ROCKS TO MATCH COLORS OF STONE ABOVE			
	EXTERIOR PATIO FINISH		SEE SPECS			

SEAL

STATE OF MARYLAND · SUSAN RAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MATERIAL SCHEDULE
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

DWG FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
A304	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	56 OF 195
	DRAWING NUMBER
	2025 - 0273
	FILE NO.: 8

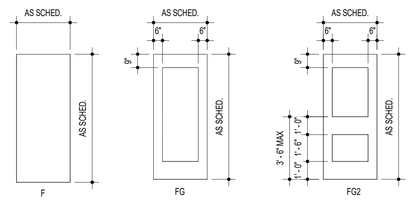
BALTIMORE COUNTY MARYLAND

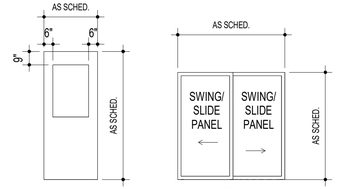
BID DOCUMENTS 5/15/2025

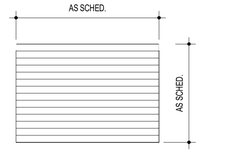
DOOR SCHEDULE

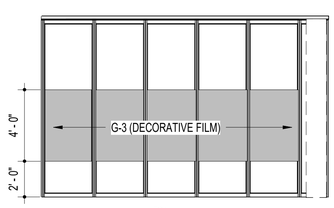
ROOM NAME	DOOR NO.	DOOR NOMINAL SIZE WIDTH	DOOR NOMINAL SIZE HEIGHT	DOOR NOMINAL SIZE THK.	DOOR TYPE	DOOR MATL	FRAME MATL	FRAME TYPE	FRAME SECTIONS JAMB	FRAME SECTIONS HEAD	FRAME SECTIONS SILL	DOOR LABEL FIRE RATING	HARDWARE SET	REMARKS
VESTIBULE	101	6' - 0"	6' - 11"	1 3/4"	FG3	ALUM	ALUM	SF25	J3/A307	H3/A307	NONE		1.0	2
CLASSROOM	102A	3' - 0"	8' - 0"	1 3/4"	HG	SCWD	HM	1	J1/A307	H1/A307	S3/A307		14.0	
CLASSROOM	102B	3' - 0"	8' - 0"	1 3/4"	FG	SCWD	HM	10	J1/A307	H1/A307 &J5/A307	S3/A307		14.0	5
ARTS & CRAFT	104	3' - 0"	8' - 0"	1 3/4"	FG	SCWD	HM	10	J1/A307	H1/A307 &J5/A307	S3/A307		13.0	5
STORAGE	104A	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S2/A307		7.1	
DANCE & YOGA EXERCISE	105	3' - 0"	8' - 0"	1 3/4"	FG	SCWD	HM	10	J1/A307	H1/A307 &J5/A307	S6/A307		13.0	5
STORAGE	105A	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S6/A307		7.1	
FITNESS	107	6' - 0"	8' - 0"	1 3/4"	FG	SCWD	HM	9	J1/A307	H1/A307	S4/A307		16.0	
UNISEX	108	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		17.0	
JC	109	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S1/A307		7.0	
FLEX OFFICE	112	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
CORRIDOR	113	3' - 0"	8' - 0"	1 3/4"	FG	SCWD	HM	1	J1/A307	H1/A307	NONE		10.0	4
TRAVEL & COUNCIL'S OFFICE	114	3' - 0"	8' - 0"	1 3/4"	HG	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
IT	115	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		6.0	3
WORKROOM	116	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
DIRECTOR'S OFFICE	117	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
ASST. OFFICE	118	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
CCO	119	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		11.0	
STORAGE	120	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	S3/A307		8.0	
MULTI-PURPOSE ROOM	123A	6' - 0"	8' - 0"	1 3/4"	FG2	ALUM	ALUM	SF24	J3/A307	H3/A307	S7/A308		2.0	
MULTI-PURPOSE ROOM	123B	6' - 0"	7' - 11"	1 3/4"	FG2	ALUM	ALUM	SF24OPP	J3/A307	H3/A307	S7/A308		2.0	
AV	123C	2' - 4"	8' - 0"	1 3/4"	F	HM	HM	1	J2/A307	H2/A307	S10/A308		1.0	7
MP STORAGE	124	6' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J2/A307	H2/A307	S8/A308		9.0	6
ELEC. ROOM	125	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J2/A307	H2/A307	S9/A308	45 MIN.	18.1	6
MECH. ROOM	126	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J1/A307	H1/A307	NONE	45 MIN.	18.0	
LOUNGE / GAME ROOM	127	14' - 8"	9' - 6"	3/8"	FG4	ALUM	ALUM							
KITCHEN	128A	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM	1	J2/A307	H2/A307	S10/A308		19.0	1, 6
KITCHEN	128B	8' - 0"	5' - 6"		S	ALUM	ALUM		2/A406	1/A406	NONE			
KITCHEN STORAGE	129	3' - 0"	8' - 0"	1 3/4"	F	SCWD	HM		J1/A307	H1/A307	NONE		12.0	
VESTIBULE	X01	6' - 0"	6' - 11"	1 3/4"	FG3	ALUM	ALUM	SF1	5/A415 & 6/A415	3/A415	S13/A308		1.0	2
LOUNGE / GAME ROOM	X02	3' - 0"	7' - 2"	1 3/4"	FG2	ALUM	ALUM	1	5/A415 & 6/A415	3/A415	S13/A308		5.0	
FIRE PUMP ROOM	X03	3' - 6"	8' - 0"	1 3/4"	F	HM	HM	1	4/411 & 5/A411	3/A411	S12/A308		15.0	
MECH. ROOM	X04	4' - 0"	8' - 0"	1 3/4"	F	HM	HM	1	4/411 & 5/A411	3/A411	S12/A308		15.0	
KITCHEN	X05	4' - 0"	8' - 0"	1 3/4"	F	HM	HM	1	4/411 & 5/A411	3/A411	S12/A308		15.0	
MULTI-PURPOSE ROOM	X06	6' - 10"	8' - 0"	1 3/4"	FG2	ALUM	ALUM	SF19	5/A415 & 6/A415	3/A415	S11/A308		4.0	

DOOR TYPES



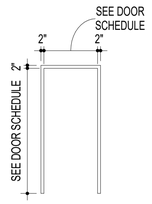






NOTE: (UNLESS OTHERWISE NOTED)
1. ALL GLASS IN EXTERIOR DOORS TO BE G-4
2. ALL GLASS IN INTERIOR DOORS TO BE G-1

HM FRAME TYPES



TYPICAL DETAILS

DOORS NOT LISTED ON THE SCHEDULE TO HAVE THE TYPICAL FINISHES LISTED BELOW:

DOOR:		FRAME:
WIDTH:	3'-0"	MATERIAL: HM
HEIGHT:	7'-0"	TYPE: 1
THICKNESS:	1-3/4"	JAMB: J1
TYPE:	F	HEAD: H1
MATERIAL:	SCWD	SILL: NONE
DOOR LABEL:	NONE	

TYPICAL DOOR NOTES

1. COORDINATE AND PROVIDE HARDWARE AS DETAILED IN THE SPECIFICATIONS OR, IF NOT SPECIFIED, PROVIDE HARDWARE (OF EQUAL QUALITY TO THAT SPECIFIED, AND MOST SIMILAR IN FUNCTION TO TYPE OF DOOR) REQUIRED FOR DOORS TO OPERATE AND APPEAR AS INTENDED ON DRAWINGS.
2. PROVIDE BRUSHED STAINLESS STEEL KICK PLATES ON PUSH SIDE OF DOORS WITH PUSH BARS OR CLOSER DEVICES. KICK PLATE TO BE INSET 1/2" FROM EACH SIDE OF DOOR, AND MAXIMUM 8" HIGH OR 1/2" BELOW EDGE OF GLASS LIGHT (IF PRESENT).
3. PROVIDE EXPOSED HARDWARE WITH BRUSHED-IN FINISH AND "SILVER" METALLIC IN COLOR (ALUMINUM, CHROME, OR STEEL).
4. WHEN EXPOSED CLEAR FINISHED WOOD DOORS ARE PAIRED, TAKE CARE TO SELECT MATCHING GRAIN TYPE AND COLOR FOR EACH DOOR IN PAIR.
5. IF CONFLICT EXISTS BETWEEN DOOR RATING AS SCHEDULED AND WALL/PARTITION TYPE FIRE RATING AS SHOWN ON PLANS, PROVIDE DOOR(S) WITH THE GREATER FIRE RATING OF THE TWO.
6. VERIFY ALL DIMENSIONS AND CLEARANCES, AND COORDINATE UNDERCUTTING REQUIRED TO CLEAR ADJACENT FLOOR MATERIALS.
7. IF A DISCREPANCY EXISTS BETWEEN THE DOOR SCHEDULE REMARKS AND THE HARDWARE SCHEDULE IN THE SPECIFICATIONS, PROVIDE THE HARDWARE NEEDED TO MEET THE MORE STRINGENT OF THE REQUIREMENTS.
8. SEE SPECIFICATIONS FOR SCHEDULED HARDWARE SETS.
9. PROVIDE CONTINUOUS WEATHERSTRIPPING AND DOOR BOTTOM SEALS AT EXTERIOR DOORS AS SPECIFIED.

DOOR UNDERCUTS

PROVIDE THE FOLLOWING UNDERCUTS AT ALL DOORS:

- EXTERIOR DOORS WITH THRESHOLDS: 1/8" ABOVE THERSHOLD HEIGHT
- DOOR WITH AUTOMATIC DOOR BOTTOMS: AMOUNT REQUIRED BY DOOR BOTTOM MFR
- DOORS WITH THRESHOLD AND AUTOMATIC DOOR BOTTOM: HEIGHT OF THRESHOLD AND AMOUNT REQUIRED BY DOOR BOTTOM MFR
- ALL OTHER DOORS: 5/8" ABOVE FINISH FLOOR

NOTES FOR REMARKS COLUMN

NOTE: NOT ALL NOTES MAY BE USED ON THIS PROJECT. SEE SPECIFICATIONS FOR ADDITIONAL DOOR INFORMATION. REFERENCE SPECIFICATIONS FOR DETAILED HARDWARE REQUIREMENTS.

1. DOUBLE EGRESS DOOR.
2. AUTOMATIC SLIDING DOORS WITH EMERGENCY BREAKOUT FEATURE.
3. PROVIDE WITH CARD READER AND ASSOCIATED HARDWARE.
4. PROVIDE WITH MAGNETIC LOCKS AND OPEN RELEASE BUTTON - CONNECT TO FIRE ALARM SYSTEM TO OPEN UPON ACTIVATION - SEE ELECTRICAL DRAWINGS.
5. PAINT HM FRAME TO MATCH STOREFRONT: CchampagNE
6. PAINT DOORS AND TRIM TO MATCH WALL COLOR
7. PAINT AV CLOSET DOOR TO MATCH WP-1

DWG FILENAME

SEAL: STATE OF MARYLAND · SUSAN RAINS · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS–BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET: UNE
POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12
DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
DOOR SCHEDULE
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A305	25010 PO0
JOB ORDER NUMBER	10-701-1861
57 OF 195	
DRAWING NUMBER	2025 - 0274
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

Hardware Sets

Set: 1.0

Doors: 101, 106, X01
Description: HARDWARE BY OTHERS

1 HARDWARE BY OTHERS	HARDWARE BY OTHERS		OT
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Exterior Master *(for door X01 only)*	26	MC

Set: 2.0

Doors: 123A, 123B
Description: PAIR - ALUM

2 Continuous Hinge	CFMSLF-HD1		PE
2 Push/Pull Set	BF15847	US32D	RO
2 Surface Closer	DC6200 A2 (PA-HO)	689	RU
2 Drop Plate	Closer Drop Plate as Required		YA
1 Door Stop	441H or 403 as required	US26D	RO
2 Weatherseal	BY ALUMINUM DOOR SUPPLIER		

Set: 3.0

Not Used

Set: 4.0

Doors: X06
Description: EXT - PAIR - ALUM

2 Continuous Hinge	CFMSLF-HD1		PE
2 Rim Exit Device	M9900	US32D	MX
1 Removable Mullion			
2 Surface Closer	DC6200 A3 (PA)	689	RU
2 Drop Plate	Closer Drop Plate as Required		YA
1 Door Stop	441H or 403 as required	US26D	RO
2 Weatherseal	BY ALUMINUM DOOR SUPPLIER		
2 Sweep	315CN		PE
1 Threshold	2005AV		PE

Set: 5.0

Doors: X02
Description: EXT - SINGLE - ALUM

1 Continuous Hinge	CFMSLF-HD1		PE
1 Rim Exit Device	M9900	US32D	MX
1 Exit Device Trim	MESC600RF W/ MEDECO IC CORE	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Exterior Master	26	MC
1 Surface Closer	DC6200 A3 (PA)	689	RU
1 Drop Plate	Closer Drop Plate as Required		YA
1 Door Stop	441H or 403 as required	US26D	RO
1 Weatherseal	BY ALUMINUM DOOR SUPPLIER		
1 Sweep	315CN		PE
1 Threshold	2005AV		PE

Set: 6.0

Doors: 115
Description: IT- CARD READER

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Electric Strike	1006	630	HS
1 Surface Closer	DC6200 A10 (Reg)	689	RU
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE
1 ElectroLynx Harness	QC-C x LENGTH REQ'D		MK
1 Position Switch	DPS		SU
1 Power Supply	AQL Series as Required		SU
1 Card Reader	HID Signo Reader 40		HD

Notes: Operational Narrative:
1. Door normally closed and secure.
2. Authorized access by card reader releasing electric strike. Strike can remain released for open access.
3. Egress free for immediate exit.
4. Electric strike latch bolt switch monitors door open/closed/latched status.
5. Electric strike remains locked (fail secure) in event of power loss. Keyed cylinder override for emergency access.

Set: 7.0

Doors: 109
Description: SINGLE - STOREROOM

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Surface Closer w/ HO	DC6200 A1 (Reg)	689	RU
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Wall Stop	409	US32D	RO
3 Silencer	608-RKW		RO

Set: 7.1

Doors: 104A, 105A
Description: SINGLE - STOREROOM

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Wall Stop	409	US32D	RO
3 Silencer	608-RKW		RO

Set: 8.0

Doors: 120
Description: SINGLE - STOREROOM -PA

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Surface Closer	DC6200 A3 (PA)	689	RU
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 9.0

Doors: 124
Description: PAIR - STOREROOM - HO

8 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
2 Flush Bolt	555/557 (TO SUIT)	US26D	RO
1 Dust Proof Strike	570 x Interior Master	US26D	RO

1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY	26	MC
2 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Gasketing	S88D		PE

Set: 10.0

Doors: 113
Description: SINGLE – PASSAGE – HOLD OPEN

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Passage Latch	175N	US26D	MX
1 Wall Stop	409	US32D	RO
1 Surface Closer	DC6210 A2 (PA-HO)	689	RU
3 Silencer	608-RKW		RO

Set: 11.0

Doors: 112, 114, 116, 117, 118, 119
Description: SINGLE - OFFICE

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Entry Lock	175RAB F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Door Stop	441H or 403 as required	US26D	RO
4 Silencer	608-RKW		RO
1 Coat Hook	806	US26D	RO

Set: 12.0

Doors: 129
Description: SINGLE - CLASSROOM

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Entry Lock	175RAB F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 13.0

Doors: 104, 105
Description: SINGLE - CLASSROOM -

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Classroom Lock	175RS F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 14.0

Doors: 102A, 102B
Description: SINGLE - CLASSROOM - EXIT - PA

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device (indicator)	M99LD	US32D	MX
1 Exit Device Trim	MESC600RA W/ MEDECO IC CORE	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 15.0

Doors: X03, X04, X05
Description: EXT - SINGLE - PA

4 Hinge, Full Mortise	TA2314 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Storeroom Lock	175RF F21	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Exterior Master	26	MC
1 Surface Closer	DC6200 A4	689	RU
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Gasketing	S88D		PE
1 Rain Guard	346C		PE
1 Sweep	315CN		PE
1 Threshold	2005AV		PE

Set: 16.0

Doors: 107
Description: PAIR - CLASSROOM

8 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
2 Flush Bolt	555/557 (TO SUIT)	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Deadlock	MS185X x 4066	628	AD
2 Push/Pull Set	BF15847	US32D	RO
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
2 Surface Closer (w/ HO)	DC6200 A2 (PA-HO)	689	RU
2 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
2 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 17.0

Doors: 108
Description: SINGLE - TOILET

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Privacy Lock	AU YPL02	626	YA
1 Surface Closer	DC6200 A10 (Reg)	689	RU
1 Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO
1 Door Stop	441H or 403 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 18.0

Doors: 126
Description: SINGLE - PASSAGE

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device	M9900F	US32D	MX
1 Exit Device Trim	MESC600N	US26D	MX
1 Surface Closer	DC6200 A10 (Reg)	689	RU
1 Wall Stop	409	US32D	RO
1 Gasketing	S88D		PE

Set: 18.1

Doors: 125
Description: SINGLE – EXIT - STOREROOM

4 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device	M9900F	US32D	MX
1 Exit Device Trim	MESC600RF W/ MEDECO IC CORE	US26D	MX
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Exterior Master	26	MC
1 Surface Closer	DC6200 A10 (Reg)	689	RU
1 Wall Stop	409	US32D	RO
1 Gasketing	S88D		PE

Set: 19.0

Doors: 128A
Description: SINGLE - DOUBLE ACTING

1 Deadbolt	D111 Temp Core-6 pin	626	YA
1 IC Core	IC Core as Required X4 6-PIN "BCP" KEYWAY x Interior Master	26	MC
2 Push Plate	70C (4 x 16)	US32D	RO
1 Concealed Closer	73N	626	RF

END OF SECTION 087100

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND · SUSAN HAINS · NO. 16221 · ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN		APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
DATE: 5/15/2025	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:							
	BY: DATE:	CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
DOOR HARDWARE
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A306	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	58 OF 195
	DRAWING NUMBER
	2025 - 0275
	FILE NO.: 8

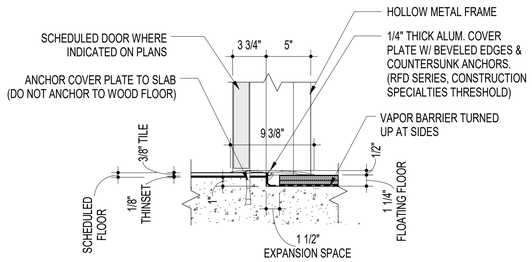
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SCALE: 1 1/2"= 1' - 0"

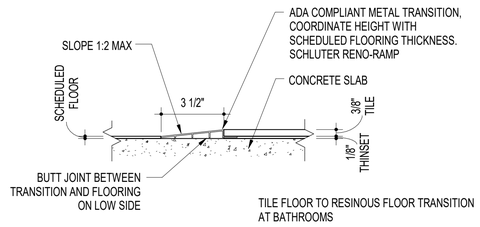
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SCALE: 3"= 1' - 0"

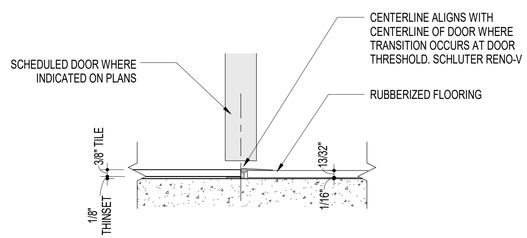
0 1 ½" 3" 6" 9"



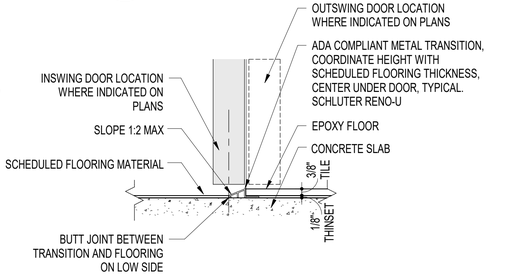
S6 WOOD FLOOR THRESHOLD
1 1/2" = 1'-0"



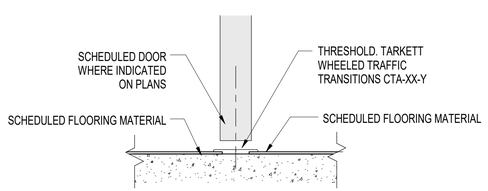
S5 METAL EDGE TRANSITION
3" = 1'-0"



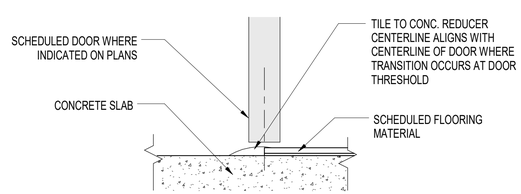
S4 METAL EDGE TRANSITION
3" = 1'-0"



S3 METAL EDGE TRANSITION
3" = 1'-0"

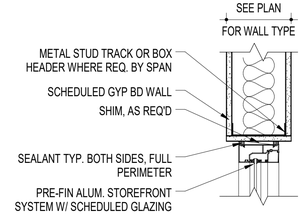


S2 TRANSITION STRIP
3" = 1'-0"

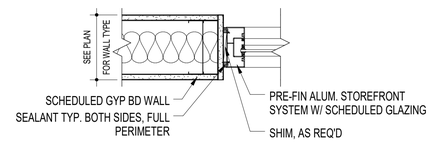


S1 TRANSITION STRIP
3" = 1'-0"

TYPICAL INTERIOR STOREFRONT DETAILS

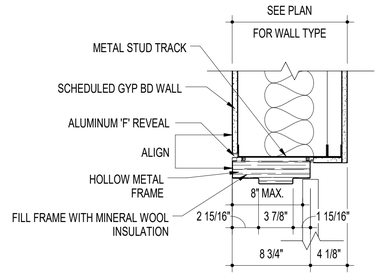


H3 HEAD DETAIL - SF @ MTL STUDS
1 1/2" = 1'-0"

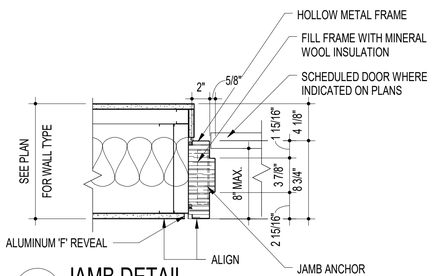


J3 JAMB/ SILL DETAIL - SF @ MTL. STDS.
1 1/2" = 1'-0"

TYPICAL INTERIOR HM FRAME DETAILS

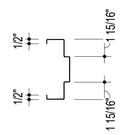


H2 HEAD DETAIL
1 1/2" = 1'-0"



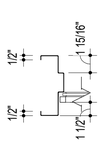
J2 JAMB DETAIL
1 1/2" = 1'-0"

TYPICAL HOLLOW METAL FRAME PROFILES



TYPICAL FRAME

NOTE: 9/16" RETURN DIMENSION INDICATED ON PLANS IS FROM FACE OF FRAME TO FACE OF WALL

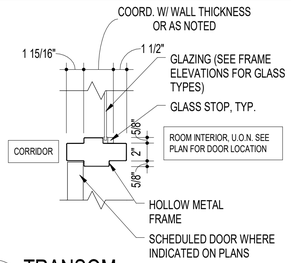


TYPICAL BORROWED LIGHT FRAME

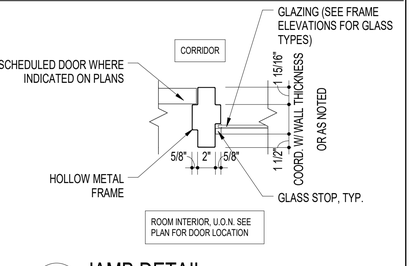
NOTE: 9/16" RETURN DIMENSION INDICATED ON PLANS IS FROM FACE OF FRAME TO FACE OF WALL

BORROWED LIGHT DETAILS

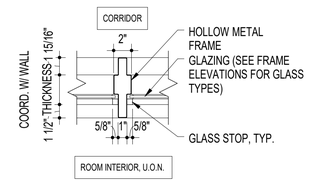
THESE DETAILS APPLY TO ALL BORROWED LIGHT LOCATIONS



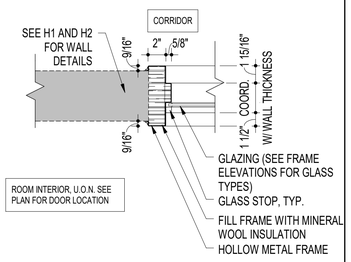
H4 TRANSOM
1 1/2" = 1'-0"



J6 JAMB DETAIL
1 1/2" = 1'-0"

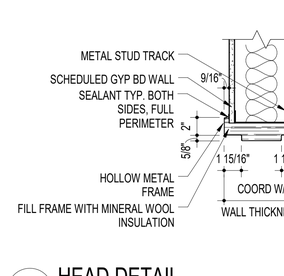


J5 INTERMEDIATE MULLION
1 1/2" = 1'-0"

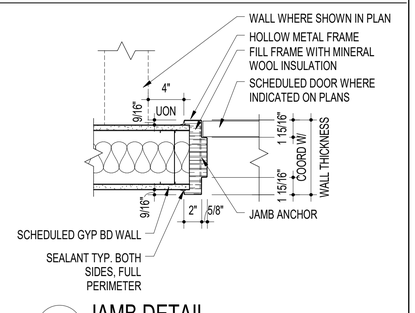


J4 HEAD/JAMB/SILL DETAIL
1 1/2" = 1'-0"

SEE DETAIL J3 FOR FRAMES WITH GLASS LITES



H1 HEAD DETAIL
1 1/2" = 1'-0"



J1 JAMB DETAIL
1 1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY:
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE: PROPERTY MANAGER
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS--BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

HEAD, SILL, AND JAMB DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

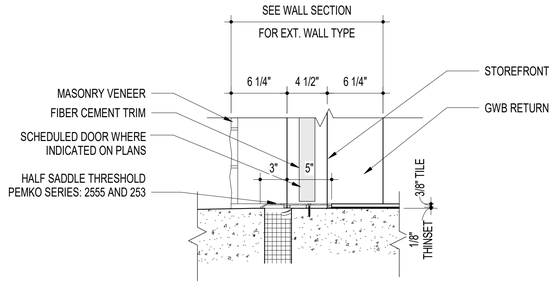
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A307	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	59 OF 195
	DRAWING NUMBER
	2025 - 0276
	FILE NO.: 8

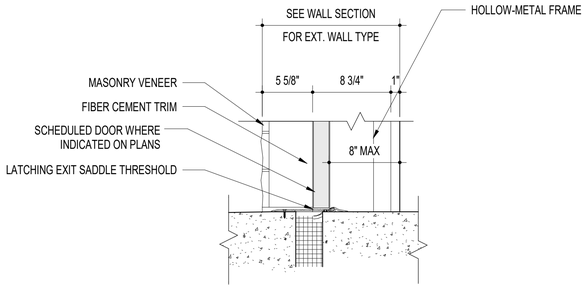
BALTIMORE COUNTY MARYLAND

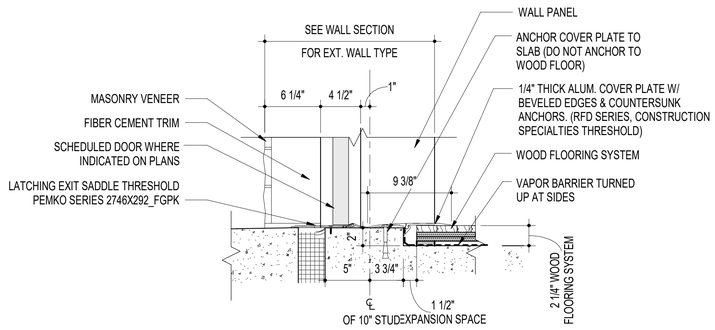
BID DOCUMENTS 5/15/2025

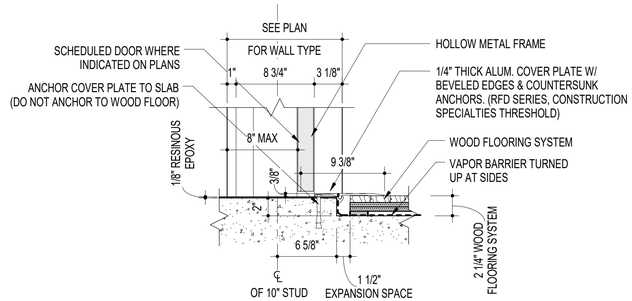


S13 EXT THRESHOLD (DRS# X01, X02)

1 1/2" = 1'-0"

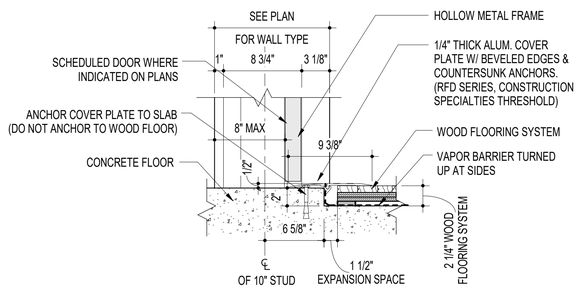






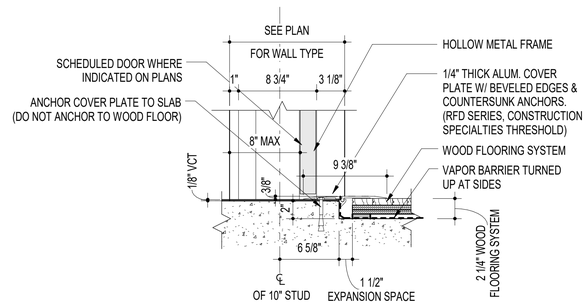
S12 EXT THRESHOLD (DRS# X03, X04, X05)

1 1/2" = 1'-0"



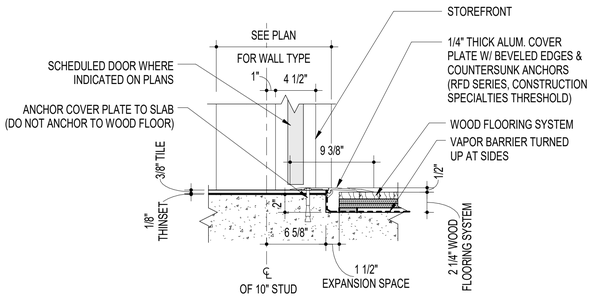
S11 MP ROOM EXT THRESHOLD (DR# X06)

1 1/2" = 1'-0"



S10 MP ROOM THRESHOLD (DRS # 123C, 128A)

1 1/2" = 1'-0"



S9 MP ROOM THRESHOLD (DR# 125)

1 1/2" = 1'-0"

S8 MP ROOM THRESHOLD (DR# 124)

1 1/2" = 1'-0"

S7 MP ROOM THRESHOLD (DRS # 123A, 123B)

1 1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12
CONTRACT COMPLETION BOX					

DRAWING SCALE	
PLAN SCALE:	PER PLAN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

HEAD, SILL, AND JAMB DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

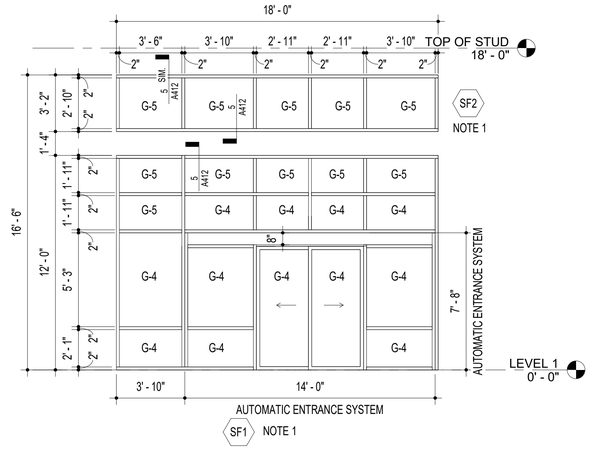
SHEET DESIGNATION	CONTRACT NUMBER
A308	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	60 OF 195
	DRAWING NUMBER
	2025 - 0277
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

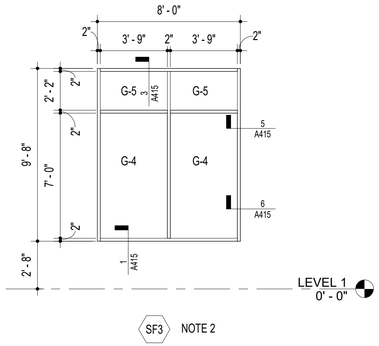
BID DOCUMENTS 5/15/2025

STOREFRONT TYPES

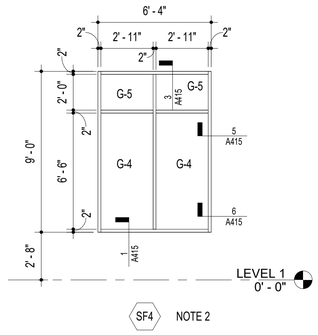
SCALE 1/4" = 1'-0"



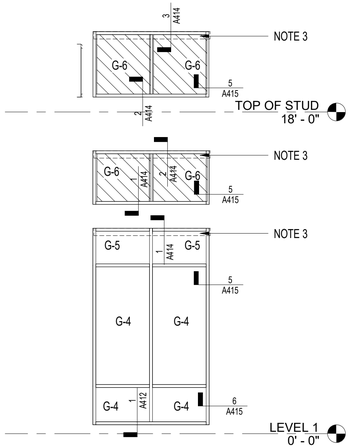
6 SF1 + SF2
1/4" = 1'-0"



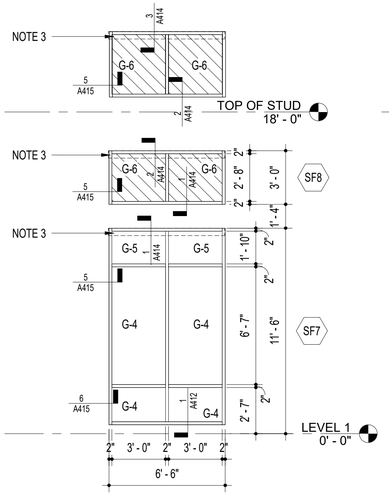
5 SF 3
1/4" = 1'-0"



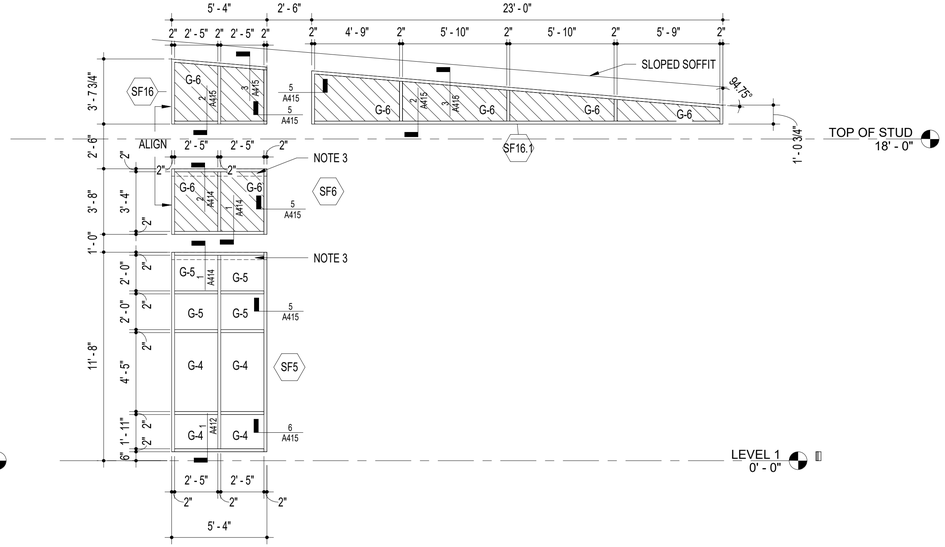
4 SF 4
1/4" = 1'-0"



3 SF9 + SF10 + SF15
1/4" = 1'-0"



2 SF 7 + SF 8 + SF 14
1/4" = 1'-0"



1 SF 5 + SF 6 + SF 16 + SF 16.1
1/4" = 1'-0"

STOREFRONT NOTES

NOTES APPLY TO ALL FRAME ELEVATION SHEETS

1. VERIFY ROUGH OPENINGS, INCLUDING BUT NOT LIMITED TO STRUCTURAL LINTEL LOCATIONS, PRIOR TO FABRICATION.
2. COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL WINDOWS AND STOREFRONT INCLUDING SUBFRAMES, AS REQUIRED.
3. CONTINUOUSLY SEAL ALL SIDES OF STOREFRONT AND SUBFRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY.
4. PROVIDE APPROPRIATE ANCHORAGE SYSTEM FOR ALL CONDITIONS. PROVIDE SUBFRAMING AS SHOWN ON DETAILS OR SPECIFIED.
5. PROVIDE FOR THERMAL EXPANSION AT ALL FRAMING SYSTEMS.
6. COORDINATE FRAMES WITH PLAN WHEN MORE THAN ONE CONSTRUCTION DETAIL IS REFERENCED.
7. AS REQUIRED FOR DESIGN LOADING, MANUFACTURER TO PROVIDE MULLION REINFORCING AND VERTICAL EXTENSIONS UP TO STRUCTURE ABOVE (ATTACHMENT TO STRUCTURE BY MANUFACTURER). SEE SECTIONS AND DETAILS FOR ADDITIONAL WORK RELATING TO FRAMING SYSTEM.
8. IDENTIFICATION OF OPENING TYPES AS STOREFRONT IS BASED ON SYSTEM REQUIREMENTS OF A PARTICULAR MANUFACTURER. CONTRACTOR IS TO DETERMINE BEST APPLICATION OF SUBMITTED MANUFACTURER AND SYSTEM BASED ON PERFORMANCE REQUIREMENTS, SIZE OF OPENING, AND INSTALLATION CONDITION.
9. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL STOREFRONT, INCLUDING SUBFRAMES, AS REQUIRED. CONTRACTOR MUST VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS, PRIOR TO FABRICATION.
10. COORDINATE FRAMING SYSTEMS WITH AIR BARRIER TRANSITION MEMBRANE SYSTEM AND MANUFACTURER-RECOMMENDED DETAILS FOR A COMPLETE AIR BARRIER SYSTEM.

HOLLOW METAL FRAME NOTES

1. VERIFY ALL ROUGH OPENINGS WITH HOLLOW METAL FRAME SIZES.
2. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURER AND INSTALL HOLLOW METAL FRAMES. VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS.
3. CONTINUOUSLY SEAL ALL SIDES OF HOLLOW METAL FRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY (EXCEPT AT DOOR SILLS UNLESS OTHERWISE NOTED).
4. TYPICAL WIDTH OF RETURNS ON HOLLOW METAL FRAMES IS 1 15/16" AT HEADS, JAMBS, AND SILLS. CENTER SECTION OF FRAME VARIES IN WIDTH WITH RESPECTIVE WALL TYPE. SEE PLANS.

GLASS TYPE KEY

INTERIOR

G-1 1/2" CLEAR TEMPERED SAFETY GLASS

G-2 1/2" CLEAR GLASS

G-3 1/2" CLEAR TEMPERED GLASS WITH PRIVACY FILM

EXTERIOR

G-4 1" INSULATING GLASS; CONSISTING OF

1/4" CLEAR TEMPERED SAFETY GLASS, EXTERIOR LITE WITH LOW E COATING
1/2" AIR SPACE, AND
1/4" CLEAR TEMPERED SAFETY GLASS

G-5 1" INSULATING GLASS; CONSISTING OF

1/4" CLEAR GLASS, EXTERIOR LITE WITH LOW E COATING
1/2" AIR SPACE, AND
1/4" CLEAR GLASS

G-6 1" INSULATING GLASS; CONSISTING OF

1/4" CLEAR GLASS, EXTERIOR LITE WITH LOW E COATING
1/2" AIR SPACE, AND
1/4" TEMPERED GLASS WITH LOW E COATING CERAMIC FRIT PATTERN
50% DOT PATTERN

G-7 1" INSULATING GLASS; CONSISTING OF

1/4" CLEAR GLASS, EXTERIOR LITE WITH LOW E COATING
1/2" AIR SPACE, AND
1/4" TRANSLUCENT LAMINATED SAFETY GLASS

NUMBERED REMARKS

NOTE 1: PROVIDE NO SHADES AT THIS FRAME OPENING.

NOTE 2: PROVIDE MANUAL ROLLER SHADES AT THIS FRAME OPENING.

NOTE 3: PROVIDE ELECTRIC TRANSLUCENT ROLLER SHADES AT THIS FRAME OPENING.

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION

PERMIT REVISIONS # 1

CONTRACT COMPLETION BOX

BY	DATE	P.W.A NO.
1	3/19/25	

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FRAME ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

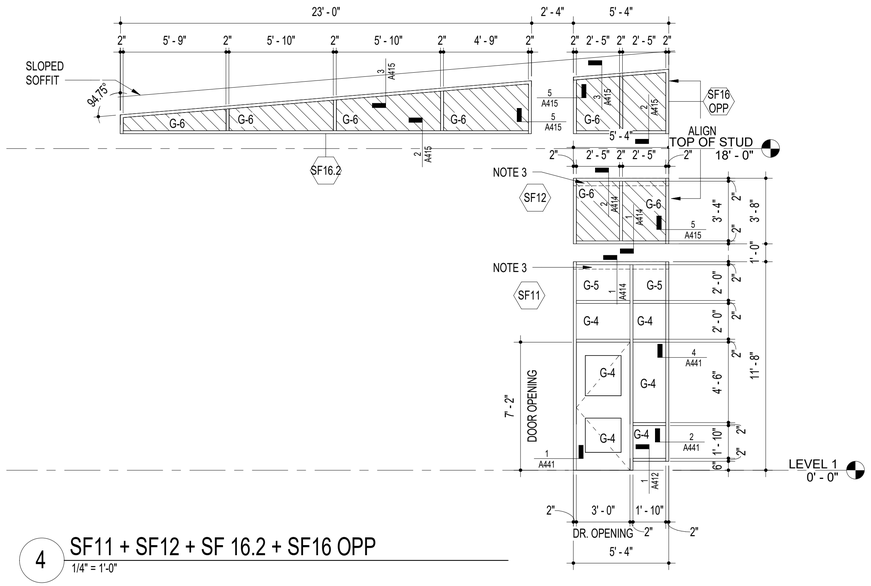
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	61 OF 195
	DRAWING NUMBER
	2025 - 0278
	FILE NO.: 8

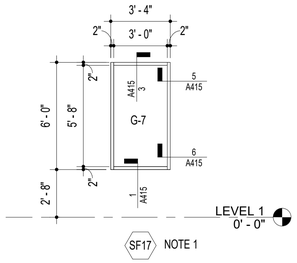
BALTIMORE COUNTY MARYLAND

STOREFRONT TYPES

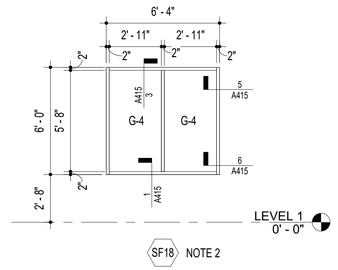
SCALE 1/4" = 1'-0"



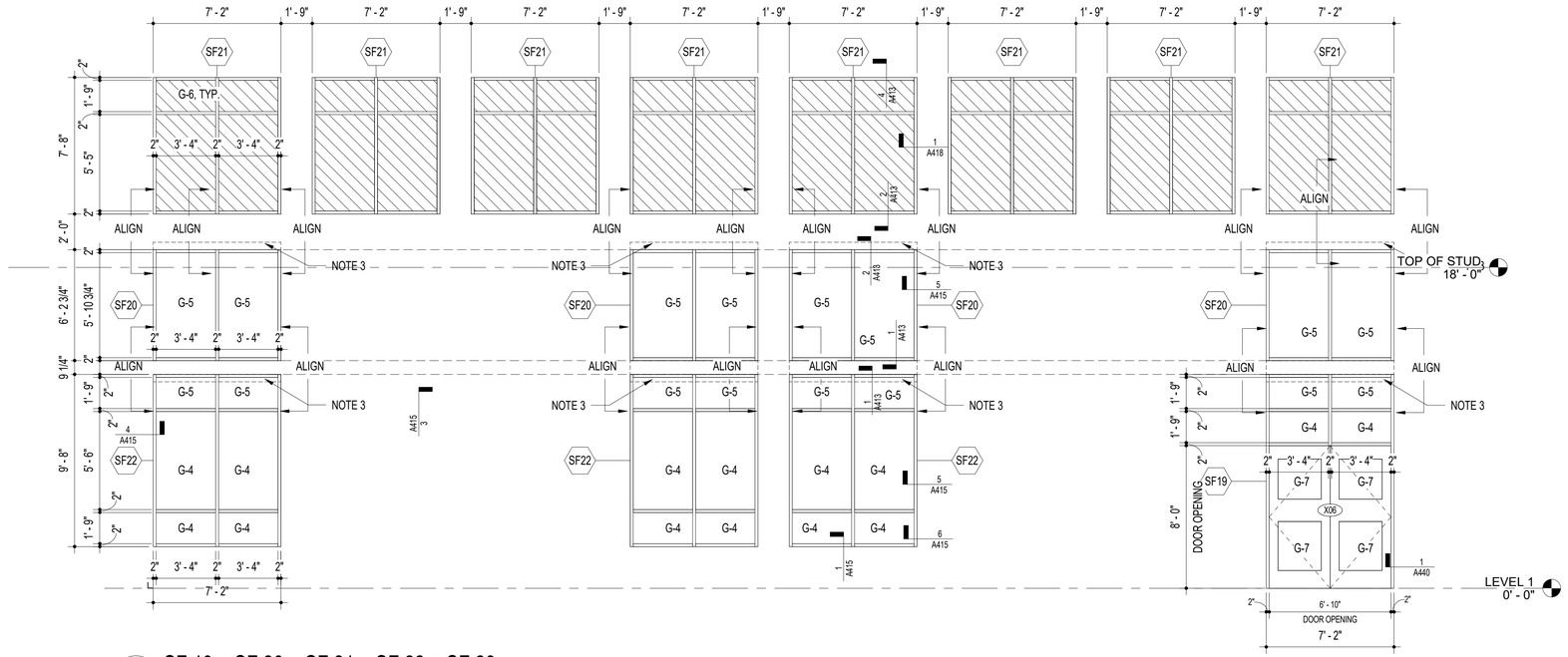
4 SF11 + SF12 + SF 16.2 + SF16 OPP
1/4" = 1'-0"



3 SF 17
1/4" = 1'-0"



2 SF 18
1/4" = 1'-0"



1 SF 19 + SF 20 + SF 21 + SF 22 + SF 28
1/4" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY:
	LICENSE NO. 16221 , EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE: PROPERTY MANAGER
DATE: 5/15/2025	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS--BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:							
	BY: DATE: CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FRAME ELEVATIONS

BID DOCUMENTS 5/15/2025

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SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

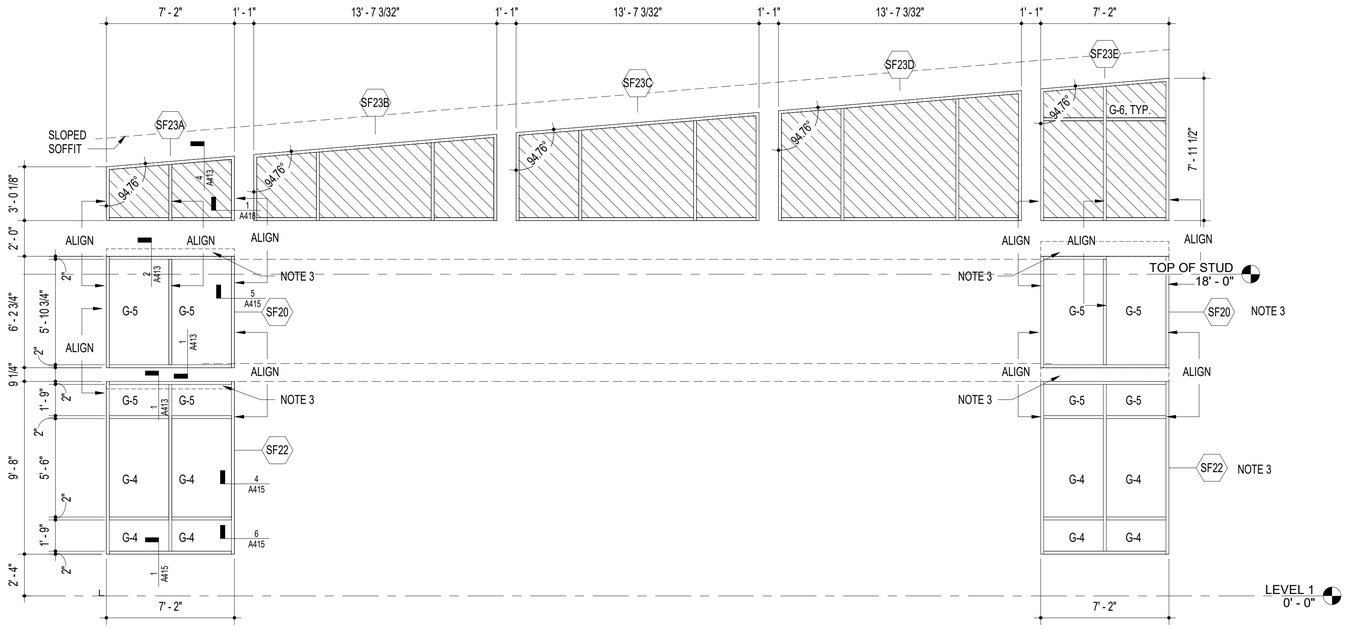
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A310	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	62 OF 195
	DRAWING NUMBER
	2025 - 0279
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

STOREFRONT TYPES

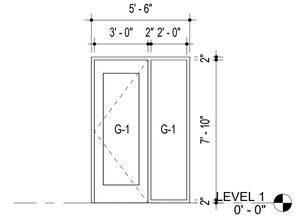
SCALE 1/4" = 1'-0"



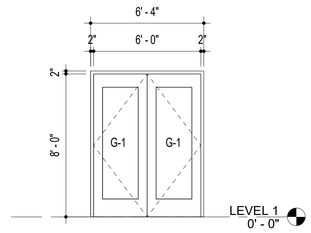
8 SF 23
1/4" = 1'-0"

HOLLOW METAL TYPES

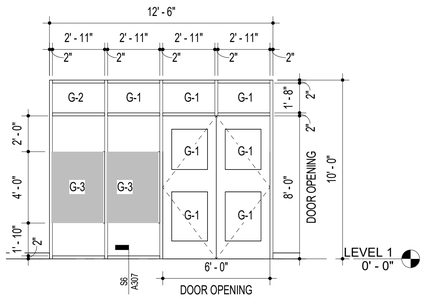
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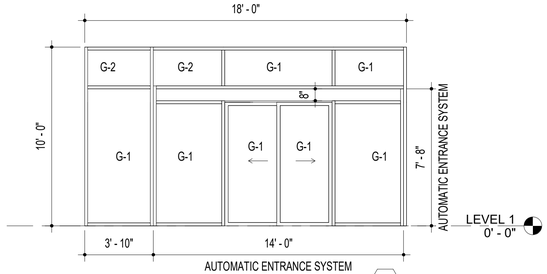
10 HM FRAME - SINGLE DOOR W/ SIDELITE
1/4" = 1'-0"



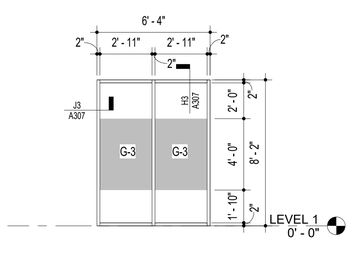
9 HM FRAME - DOUBLE DOOR
1/4" = 1'-0"



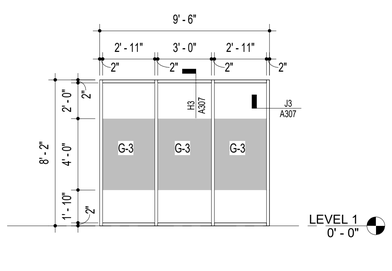
6 SF 24 + SF 24 OPP
1/4" = 1'-0"



5 SF 25
1/4" = 1'-0"



7 SF 26
1/4" = 1'-0"



4 SF 27
1/4" = 1'-0"

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

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P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
	UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
			PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

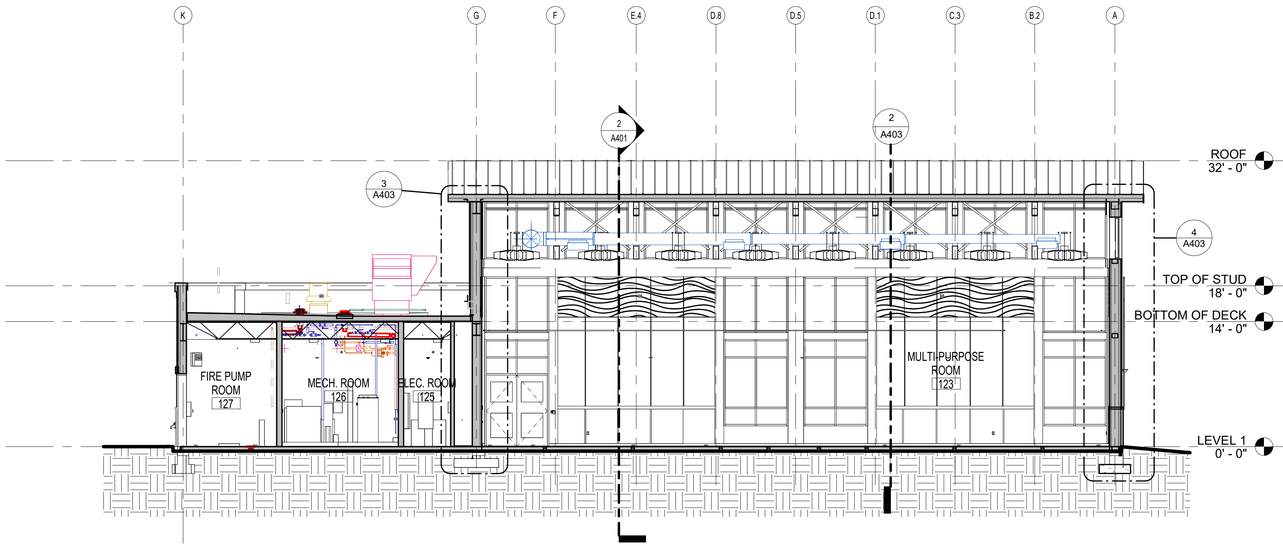
JACKSONVILLE SENIOR CENTER
FRAME ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

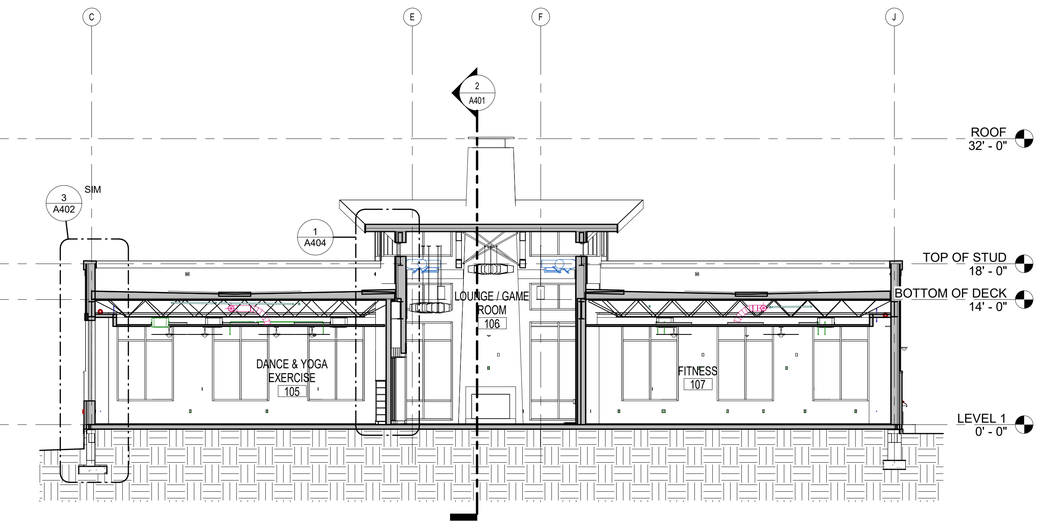
SHEET DESIGNATION	CONTRACT NUMBER
A311	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	63 OF 195
	DRAWING NUMBER
	2025 - 0280
	FILE NO.: 8

DWG FILENAME

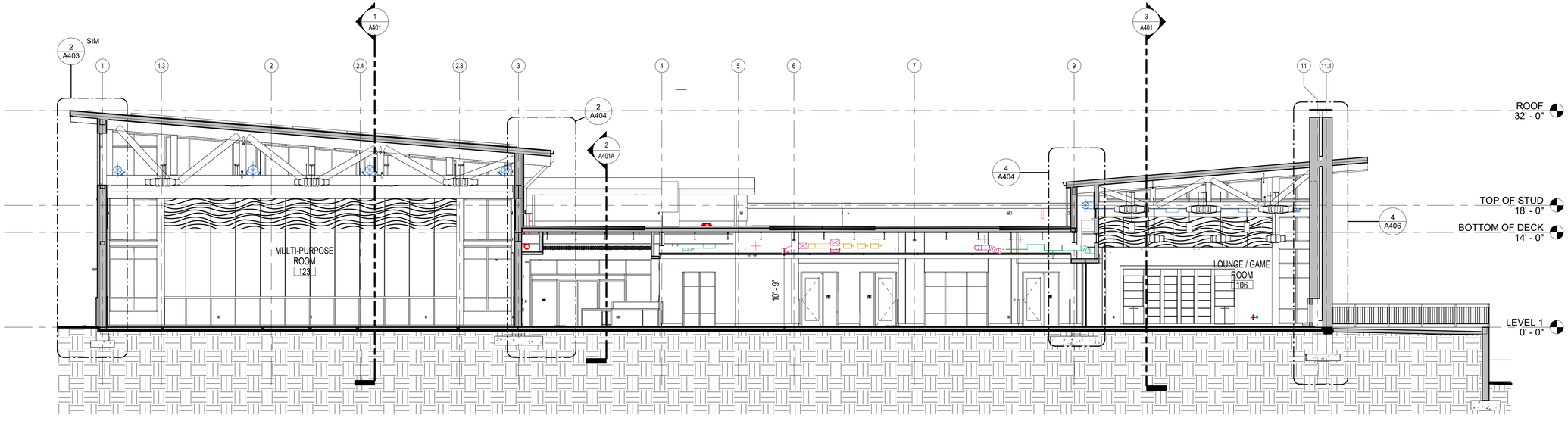
BID DOCUMENTS 5/15/2025



1 SECTION AT MULTI-PURPOSE ROOM
1/8" = 1'-0"



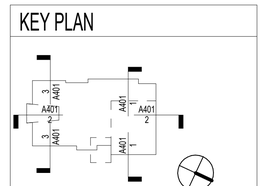
3 CROSS SECTION AT YOGA AND EXERCISE
1/8" = 1'-0"



2 MAIN CORRIDOR SECTION
1/8" = 1'-0"

0 4' 8' 16'

KEY PLAN



DWG FILENAME

SEAL

STATE OF MARYLAND SUSAN HAHN No. 16221 ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
BUILDING SECTIONS

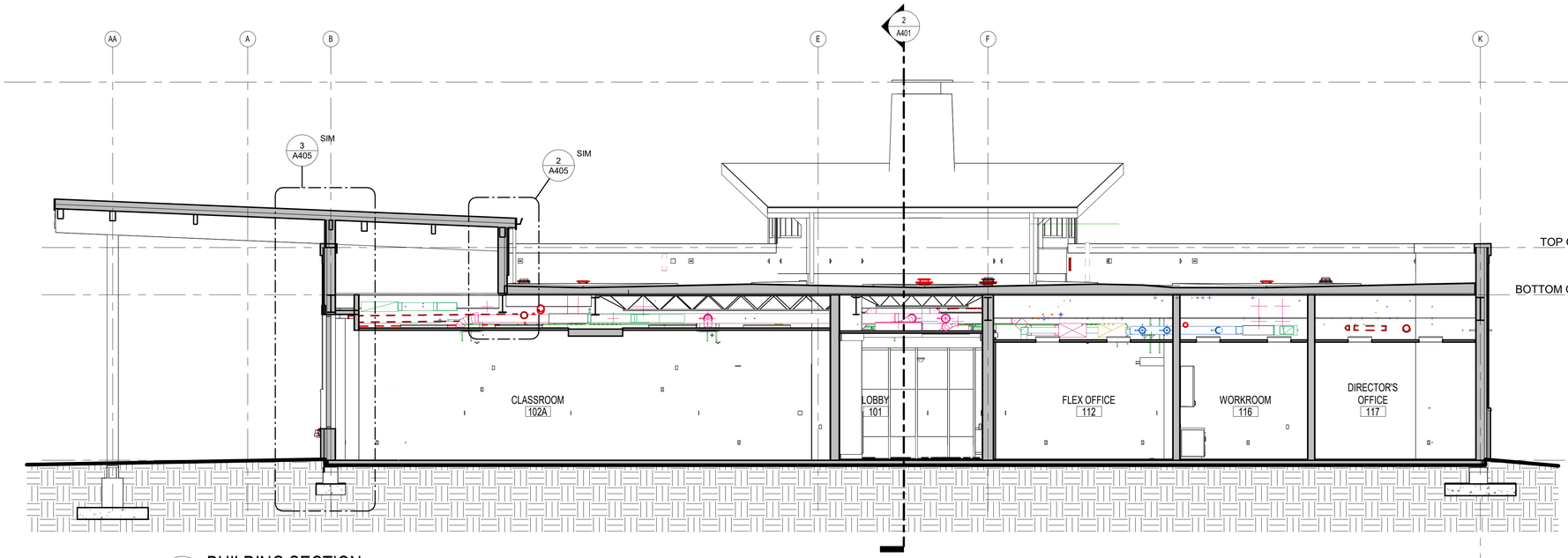
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

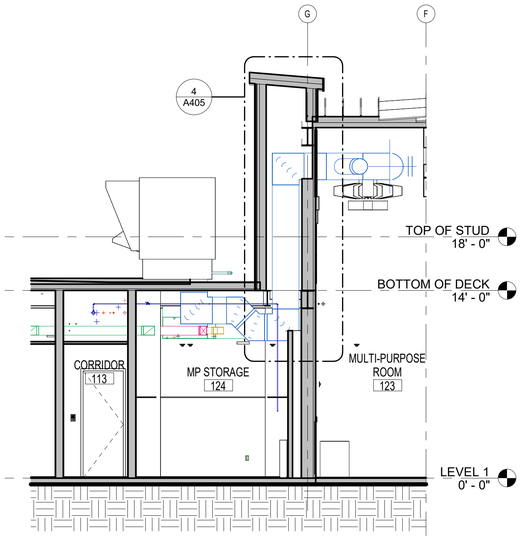
SHEET DESIGNATION	CONTRACT NUMBER
A401	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	64 OF 195
	DRAWING NUMBER
	2025 - 0281
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



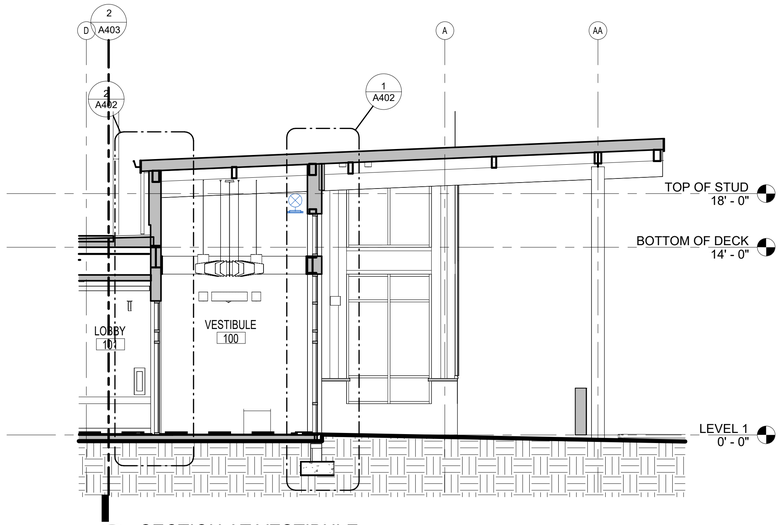
3 BUILDING SECTION

3/16" = 1'-0"



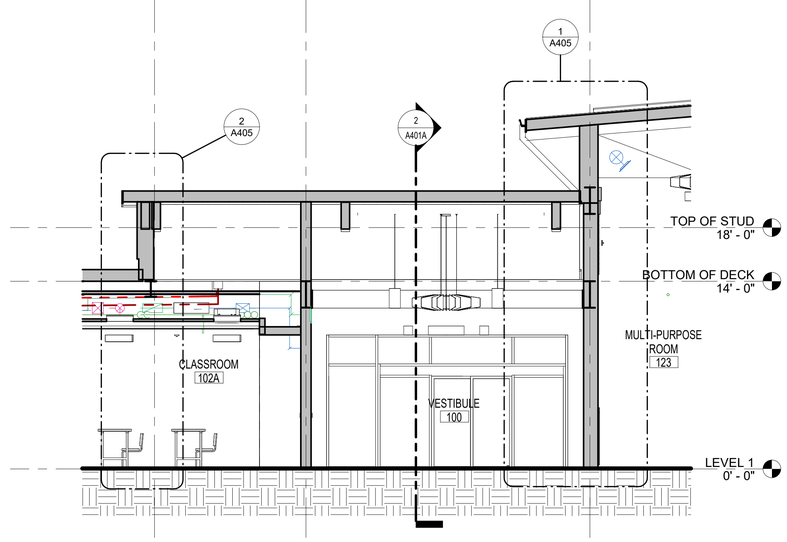
4 SECTION AT MECHANICAL DUCT

3/16" = 1'-0"



2 SECTION AT VESTIBULE

3/16" = 1'-0"



1 CROSS SECTION AT VESTIBULE

3/16" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

BUILDING SECTIONS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

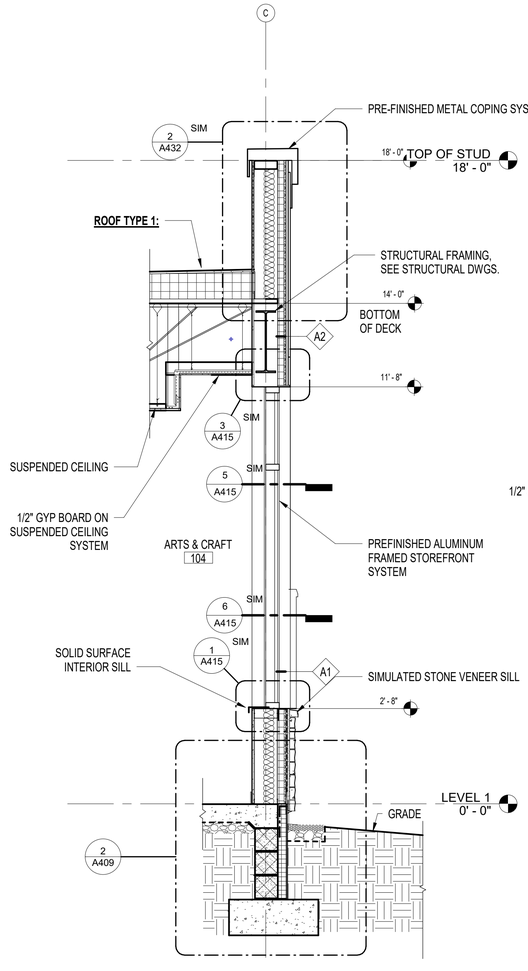
SHEET DESIGNATION	CONTRACT NUMBER
A401A	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	65 OF 195
	DRAWING NUMBER
	2025 - 0282
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

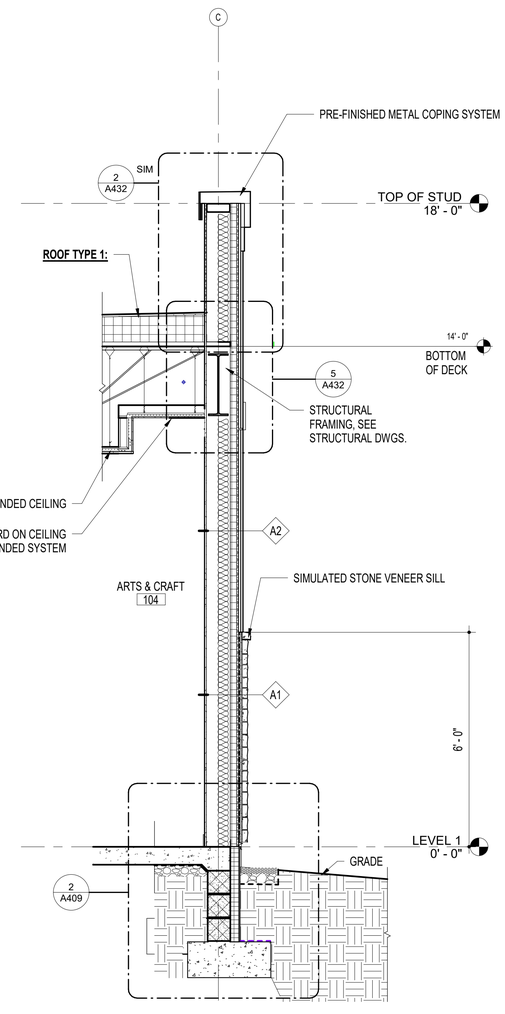
GENERAL SECTION NOTES

ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.



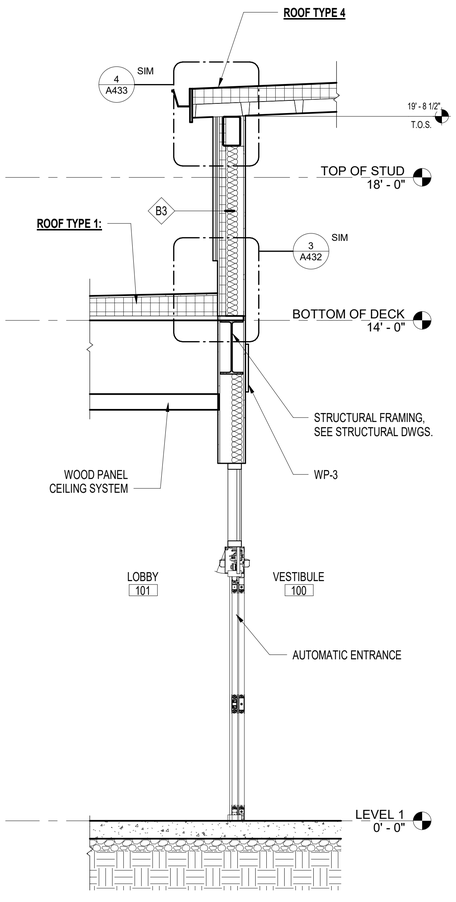
4 WALL SECTION AT STOREFRONT

1/2" = 1'-0"



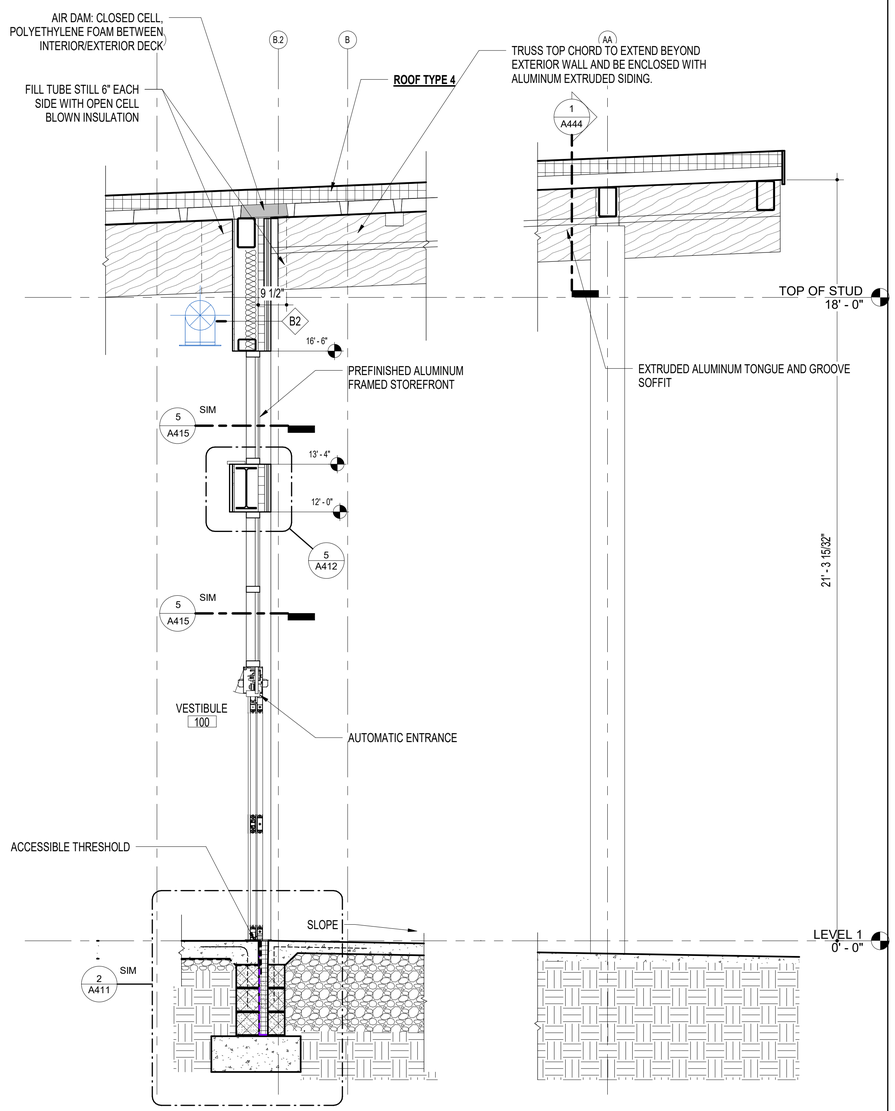
3 WALL SECTION

1/2" = 1'-0"



2 WALL SECTION AT BUILDING ENTRANCE1

1/2" = 1'-0"



1 WALL SECTION AT BUILDING ENTRANCE

1/2" = 1'-0"

0 2' 4' 8'

DWG FILENAME

SEAL

STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
WALL SECTIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

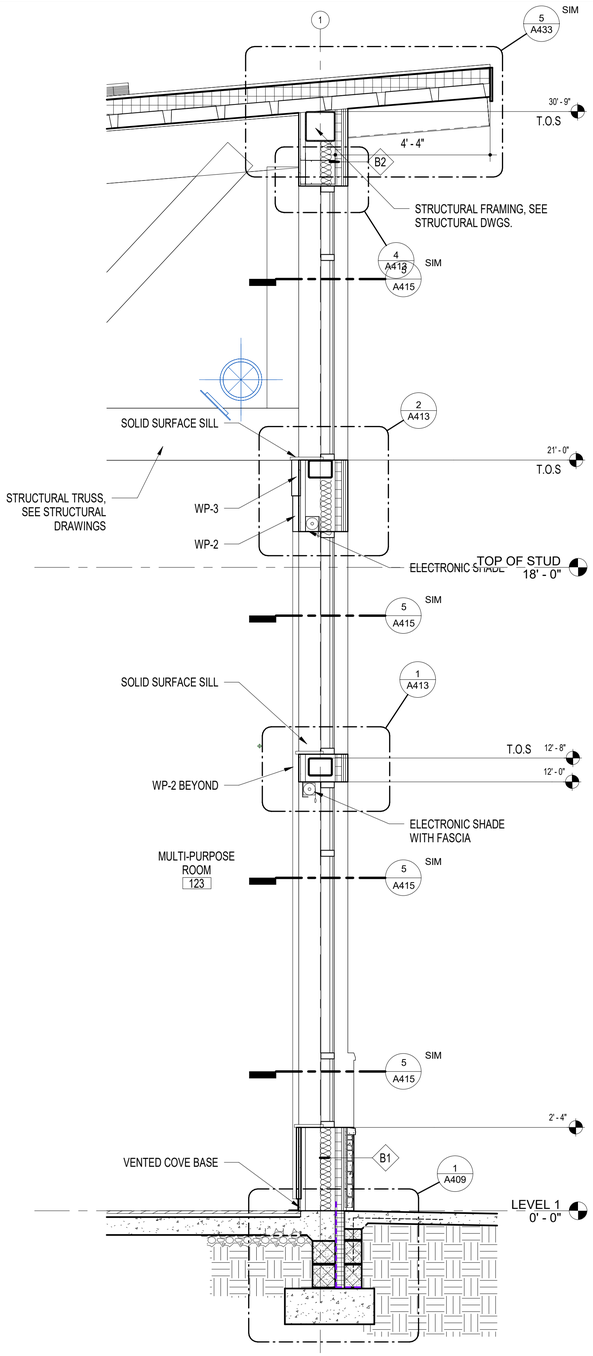
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A402	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	66 OF 195
	DRAWING NUMBER
	2025 - 0283
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

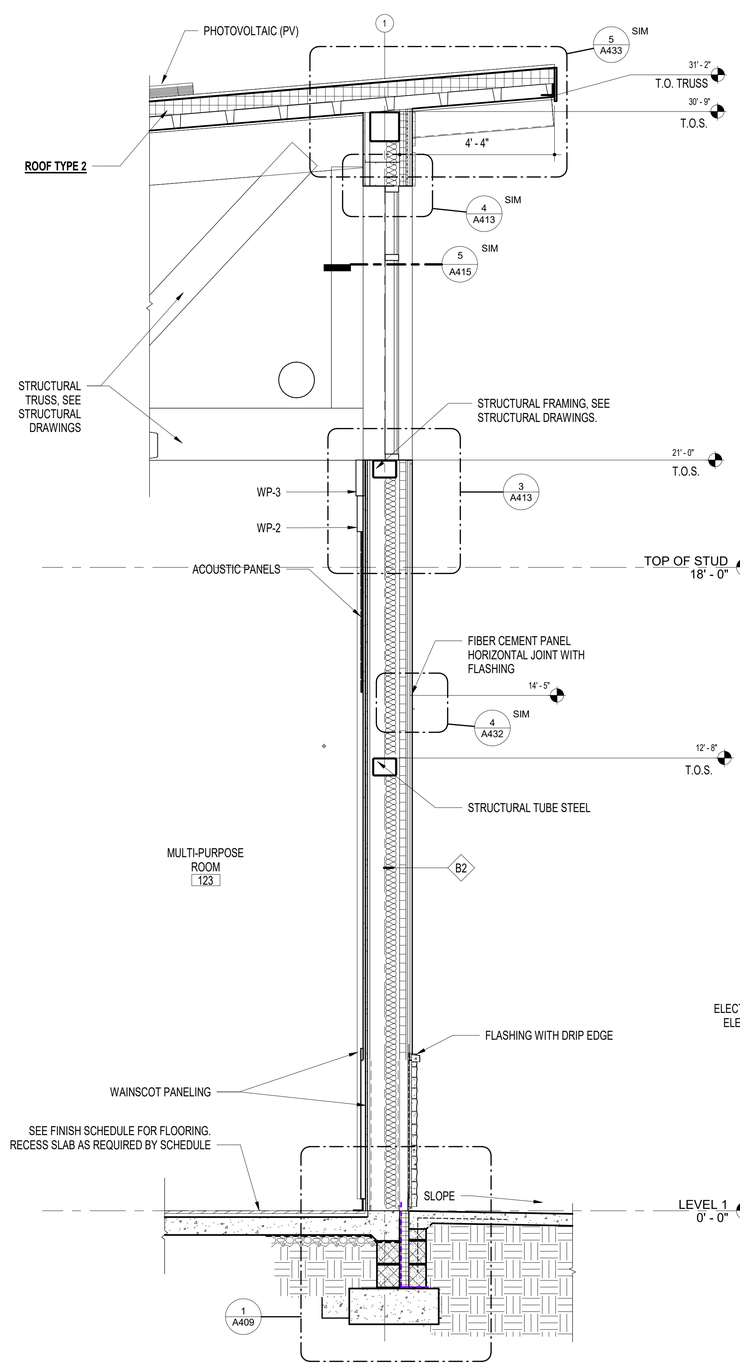
GENERAL SECTION NOTES

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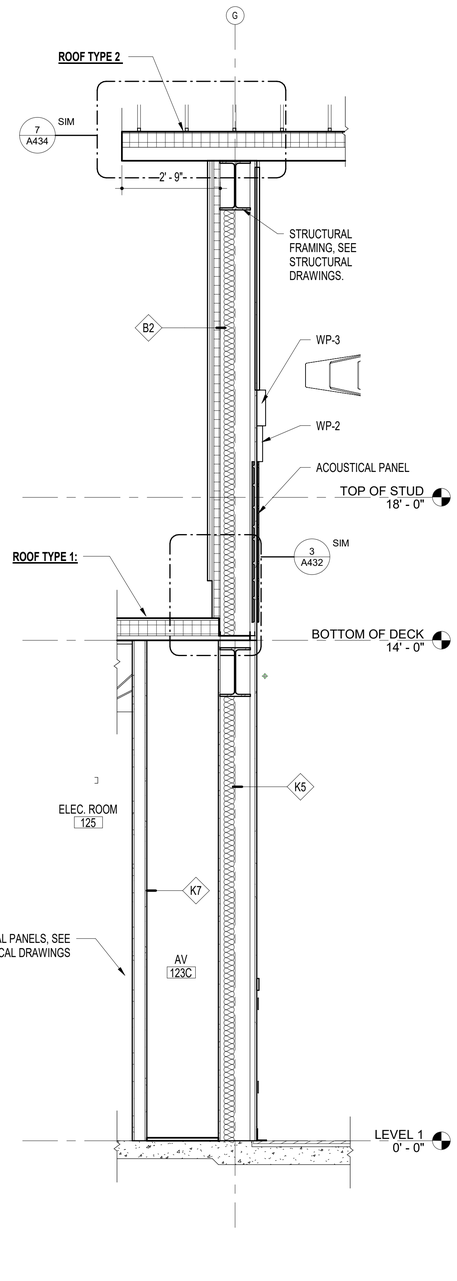
1 WALL SECTION AT MP ROOM NORTH1

1/2" = 1'-0"



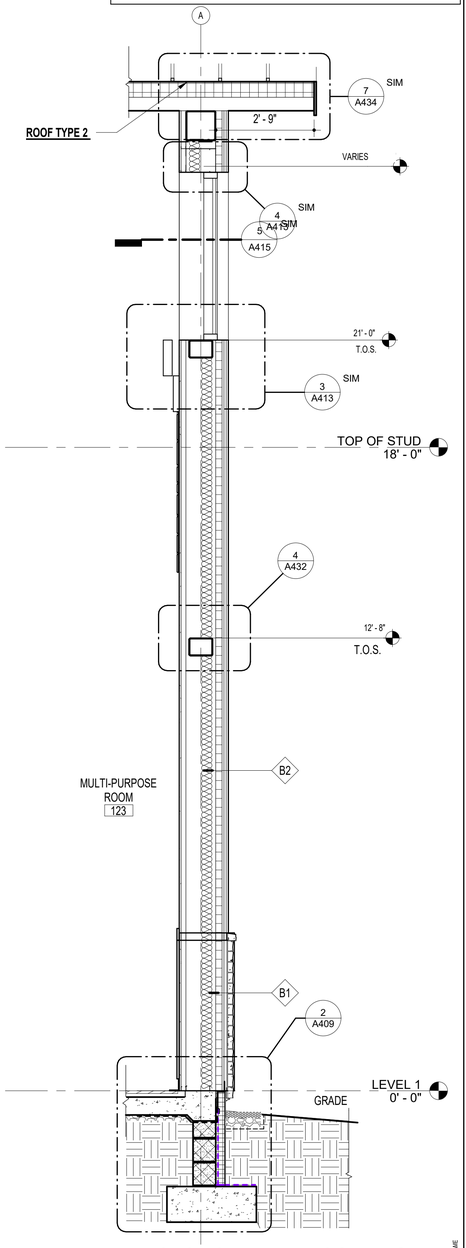
2 WALL SECTION AT MP ROOM NORTH

1/2" = 1'-0"



3 WALL SECTION AT MP ROOM WEST

1/2" = 1'-0"



4 WALL SECTION AT MP ROOM EAST

1/2" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HAINS NO. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN		APPROVED BY: PROPERTY MANAGER
DATE: 5/15/2025	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS--BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:								
	BY: DATE: CHKD BY: Checker	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
WALL SECTIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

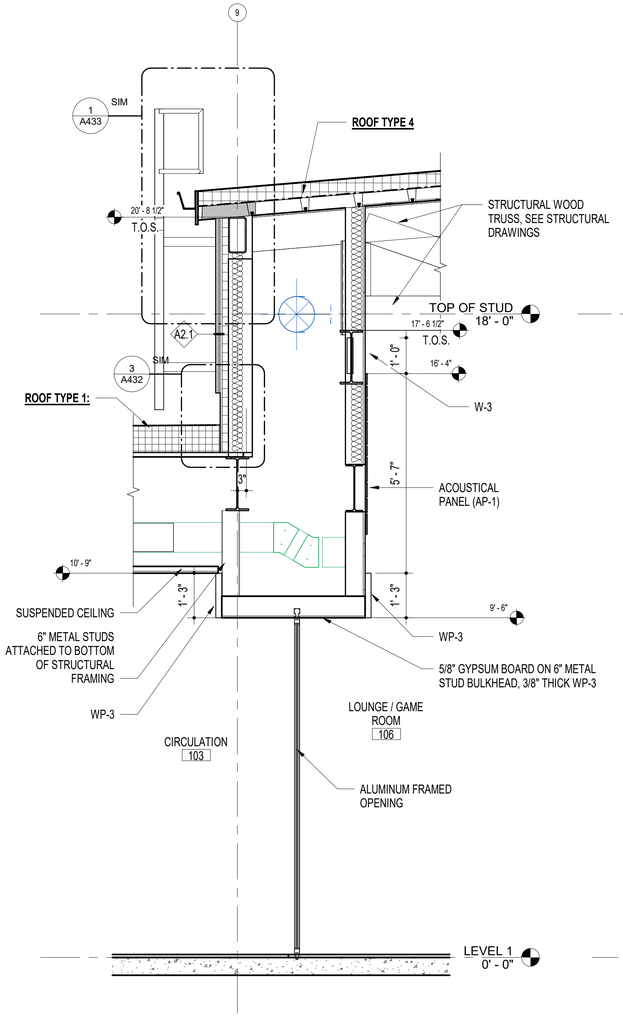
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	67 OF 195
	DRAWING NUMBER
	2025 - 0284
	FILE NO.: 8

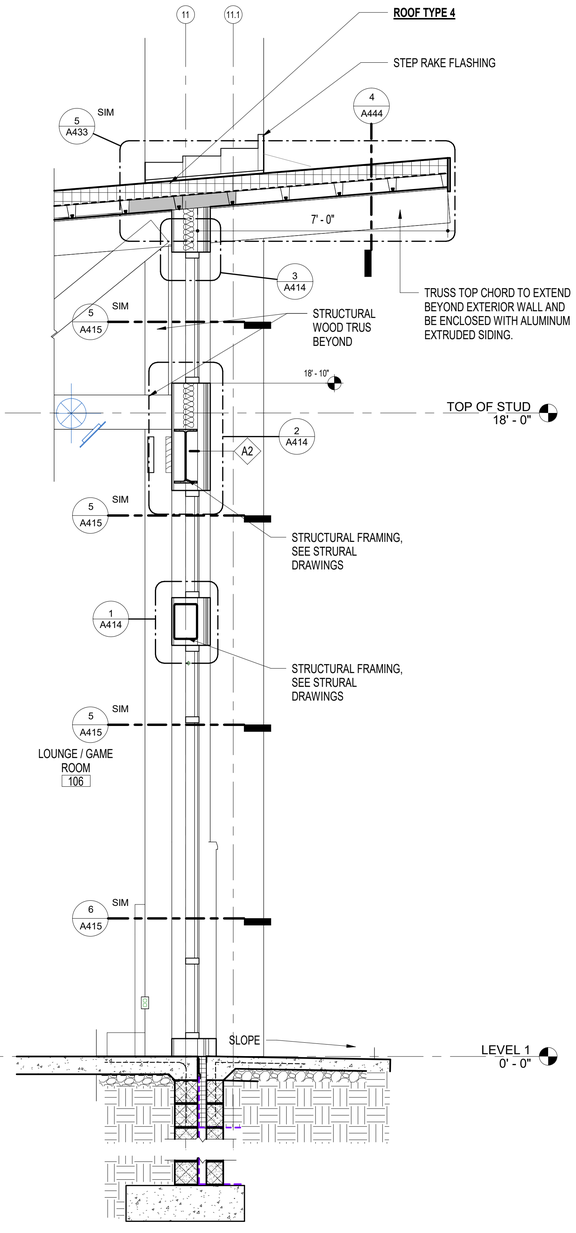
BALTIMORE COUNTY MARYLAND

GENERAL SECTION NOTES

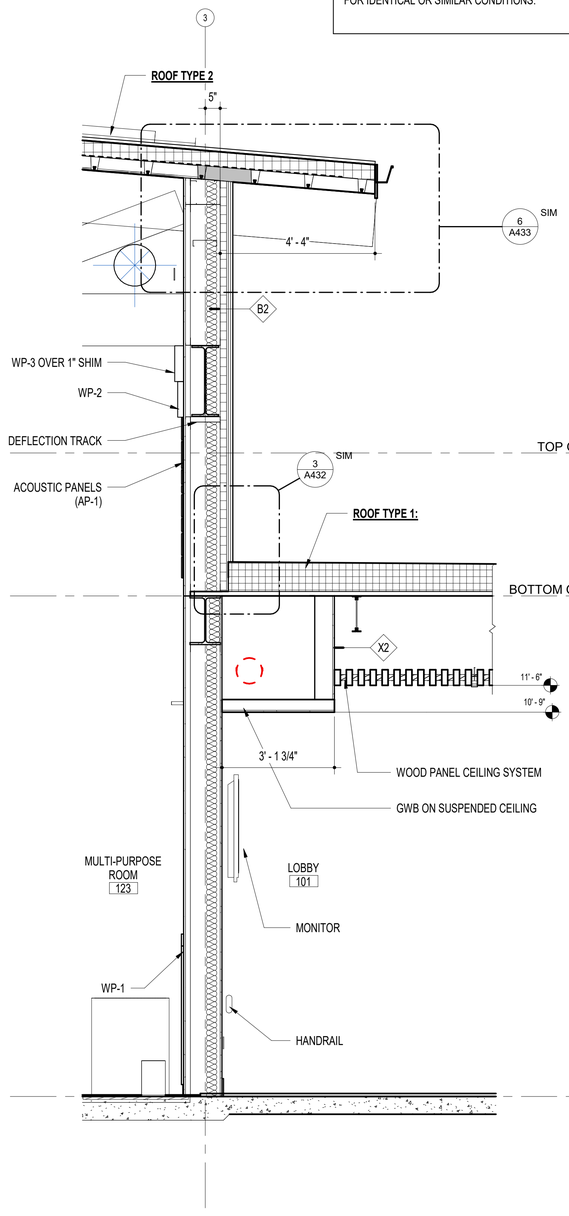
ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.



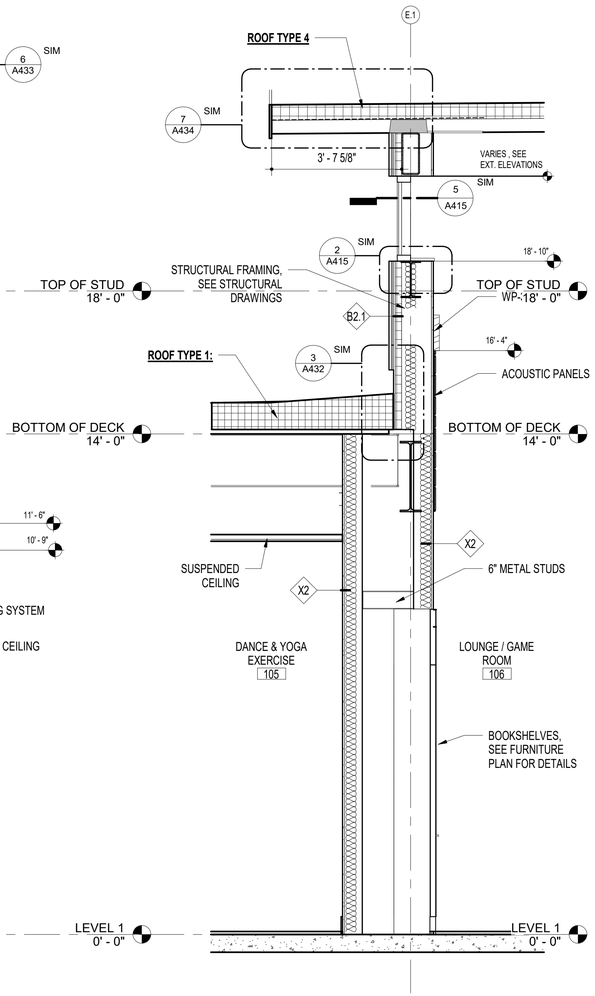
4 WALL SECTION - LOW TO HIGH @ LOUNGE
1/2" = 1'-0"



3 WALL SECTION AT LOUNGE
1/2" = 1'-0"



2 WALL SECTION - LOW TO HIGH WALL @ MP
1/2" = 1'-0"



1 WALL SECTION AT LOUNGE SIDE WALL
1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HANKS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 16221 , EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	DWN BY: Author	REVIEWED BY:								
AS–BUILT PER RECORD PRINT BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
WALL SECTIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

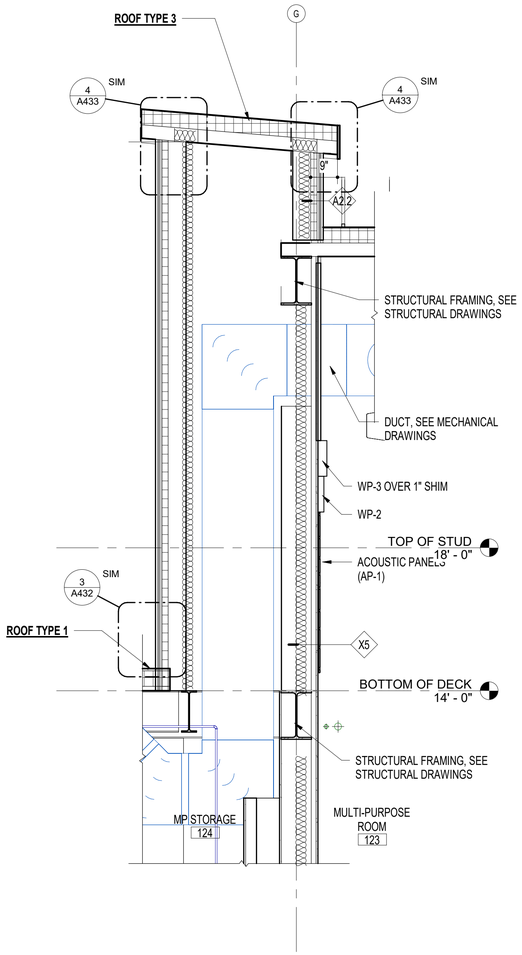
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	68 OF 195
	DRAWING NUMBER
	2025 - 0285
	FILE NO.: 8

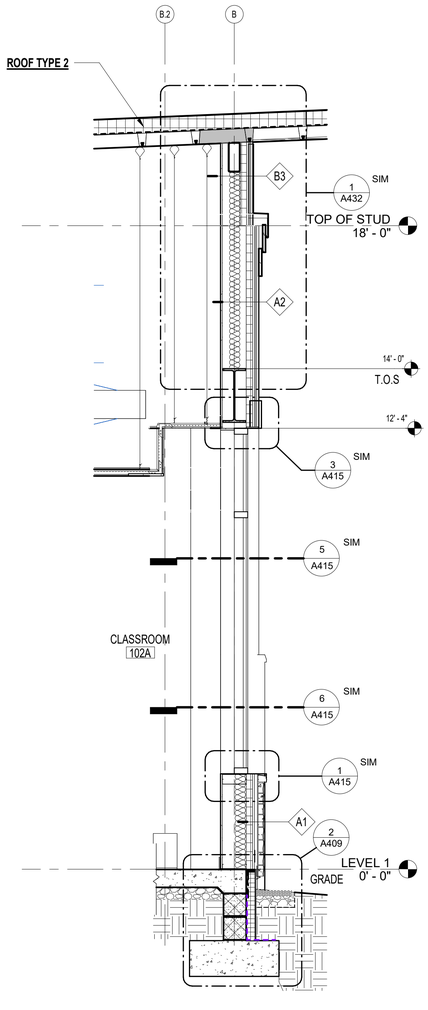
BALTIMORE COUNTY MARYLAND

GENERAL SECTION NOTES

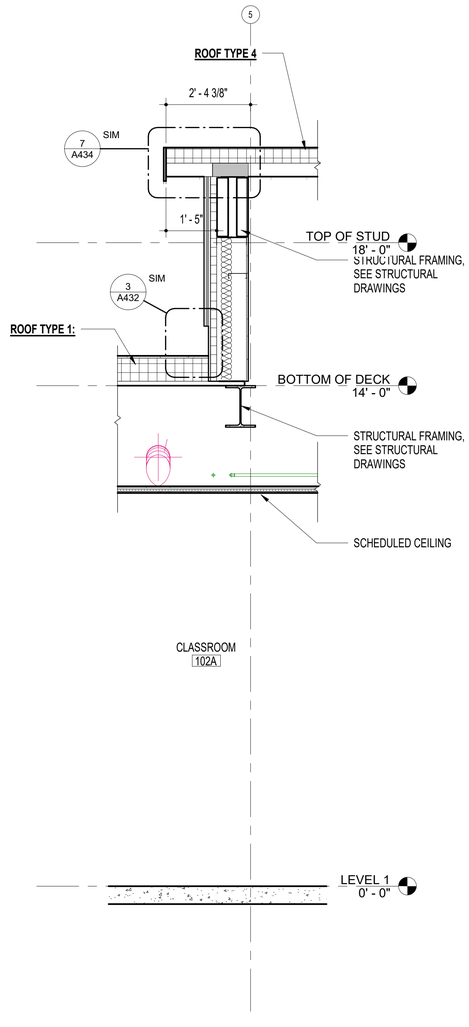
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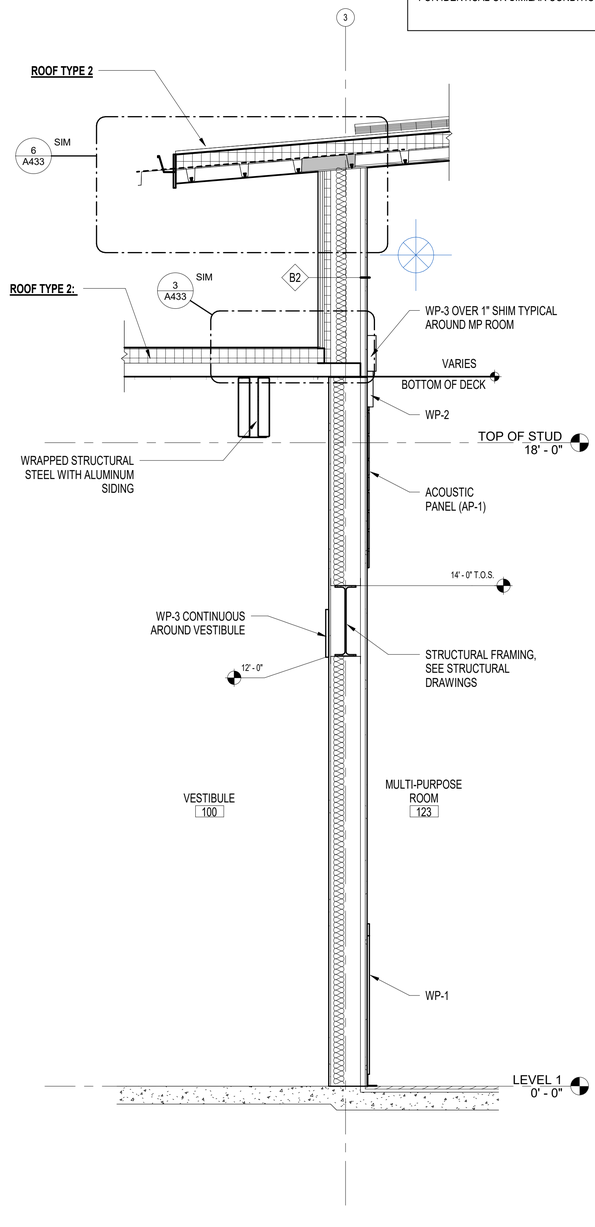
4 MECHANICAL DUCT SECTION FOR MP
1/2" = 1'-0"



3 WALL SECTION AT BUILDING ENTRANCE OVERBUILD
1/2" = 1'-0"



2 WALL SECTION AT VESTIBULE OVERBUILD
1/2" = 1'-0"



1 WALL SECTION HIGH ROOF INTERSECTION AT ENTRY
1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
WALL SECTIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

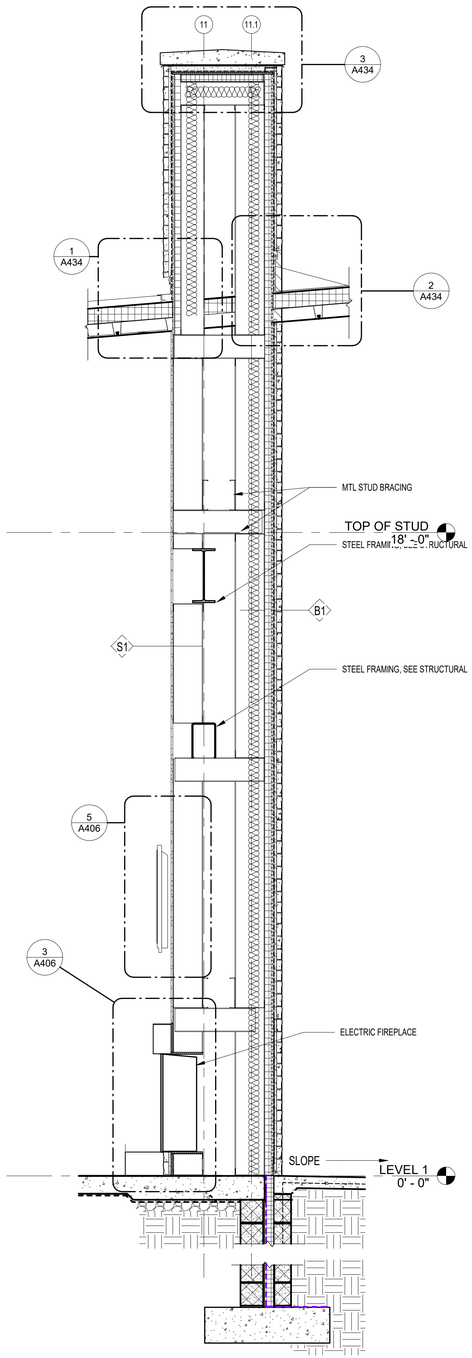
SHEET DESIGNATION	CONTRACT NUMBER
A405	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	69 OF 195
	DRAWING NUMBER
	2025 - 0286
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

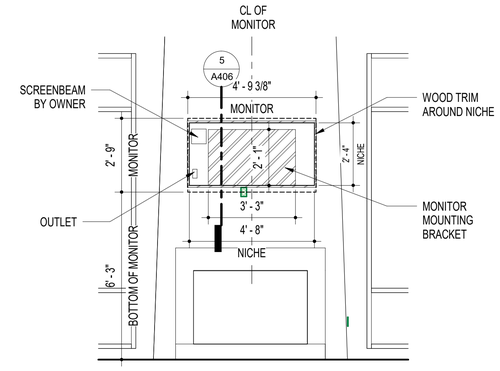
BID DOCUMENTS 5/15/2025

GENERAL SECTION NOTES

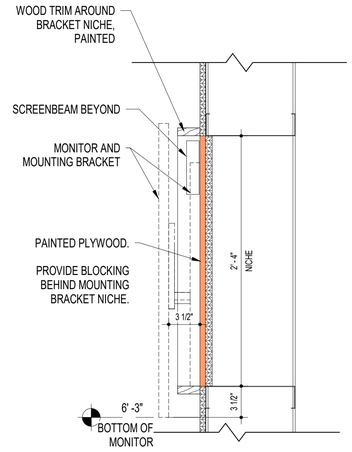
ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.



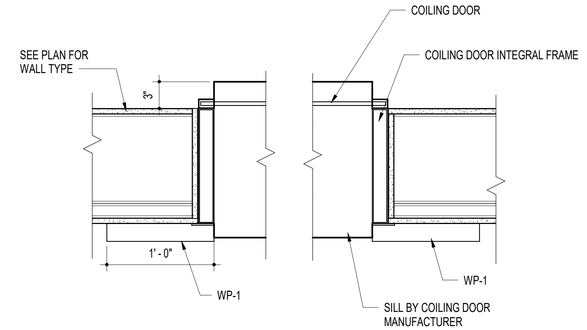
4 SECTION AT FIREPLACE
1/2" = 1'-0"



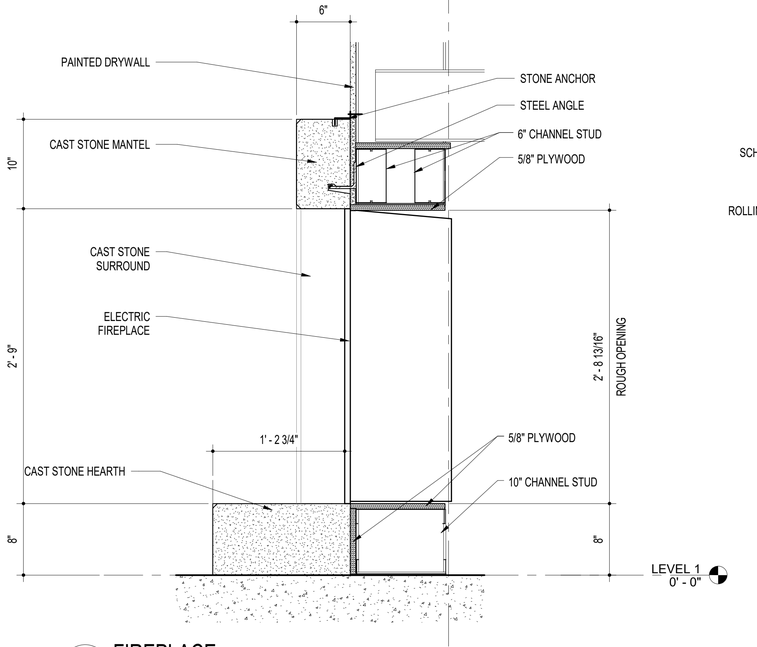
6 LOUNGE MONITOR NICHE ELEVATION
3/8" = 1'-0"



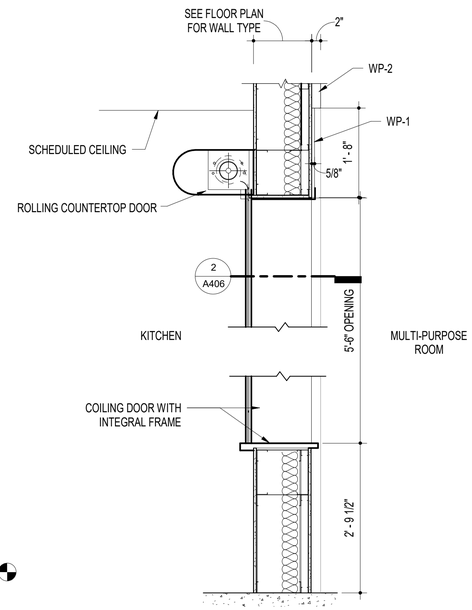
5 LOUNGE MONITOR NICHE DETAIL
1 1/2" = 1'-0"



2 JAMB DTL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"



3 FIREPLACE
1 1/2" = 1'-0"



1 DETAIL - ROLLING COUNTER SHUTTER
3/4" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAWKS · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION

BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1						
1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX					PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
WALL SECTIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A406	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	70 OF 195
	DRAWING NUMBER
	2025 - 0287
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

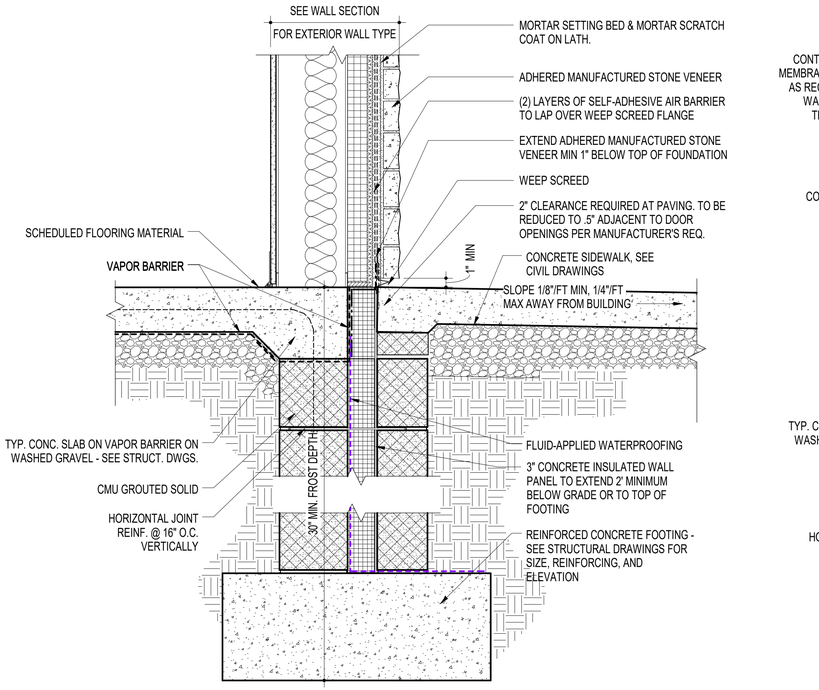
SCALE: 1 1/2"= 1' - 0"

0 3" 6" 1' 1' 6"



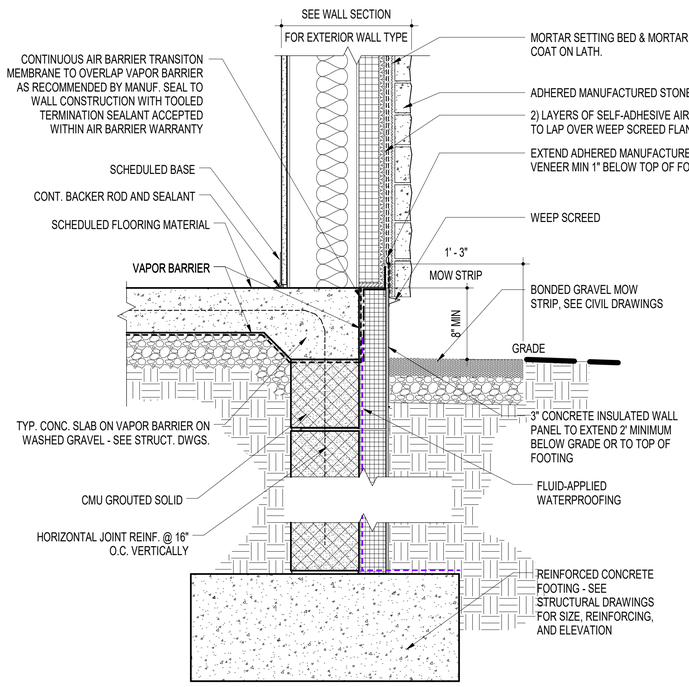
4 OVERFLOW SCUPPER DETAIL - SECTION

1 1/2" = 1'-0"



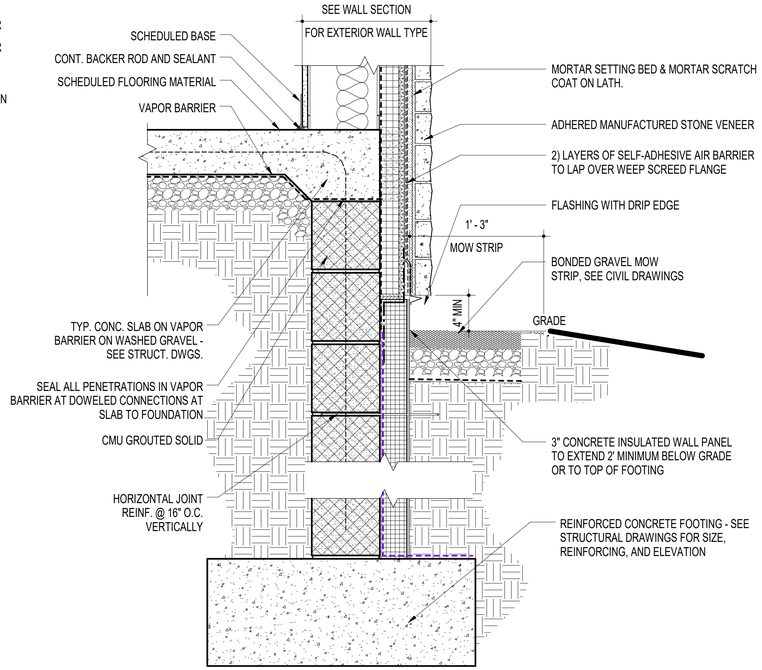
1 TYP. FOUNDATION DETAIL AT SIDEWALK

1 1/2" = 1'-0"



2 TYP. FOUNDATION DETAIL

1 1/2" = 1'-0"



3 ELEVATED FOUNDATION DETAIL

1 1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT

DATE: 5/15/2025

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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FOUNDATION DETAILS

BID DOCUMENTS 5/15/2025

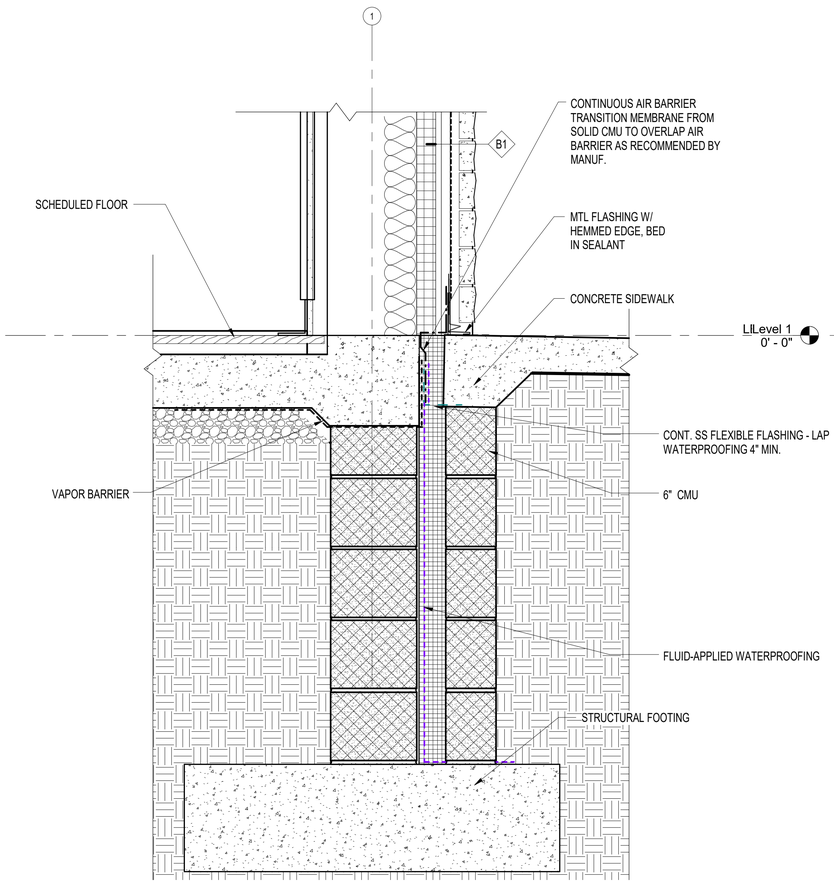
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

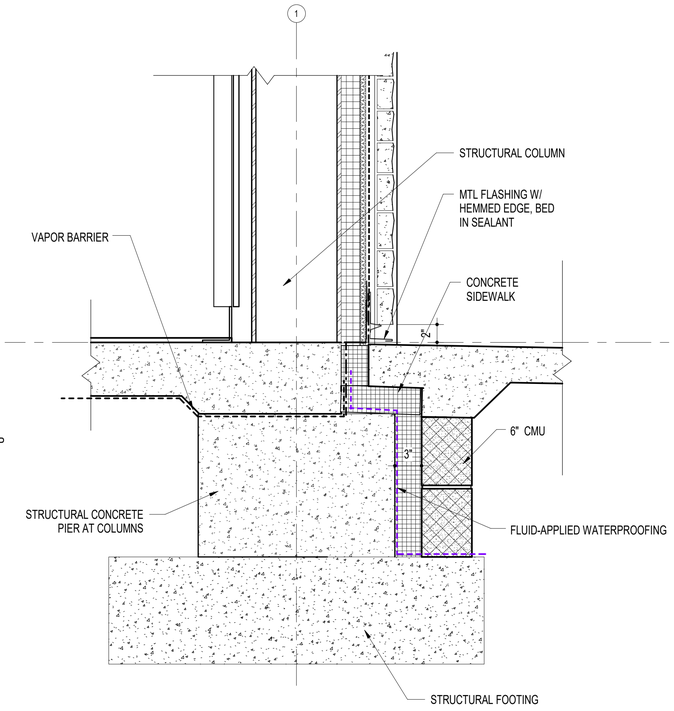
SHEET DESIGNATION	CONTRACT NUMBER
A409	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	71 OF 195
	DRAWING NUMBER
	2025 - 0288
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

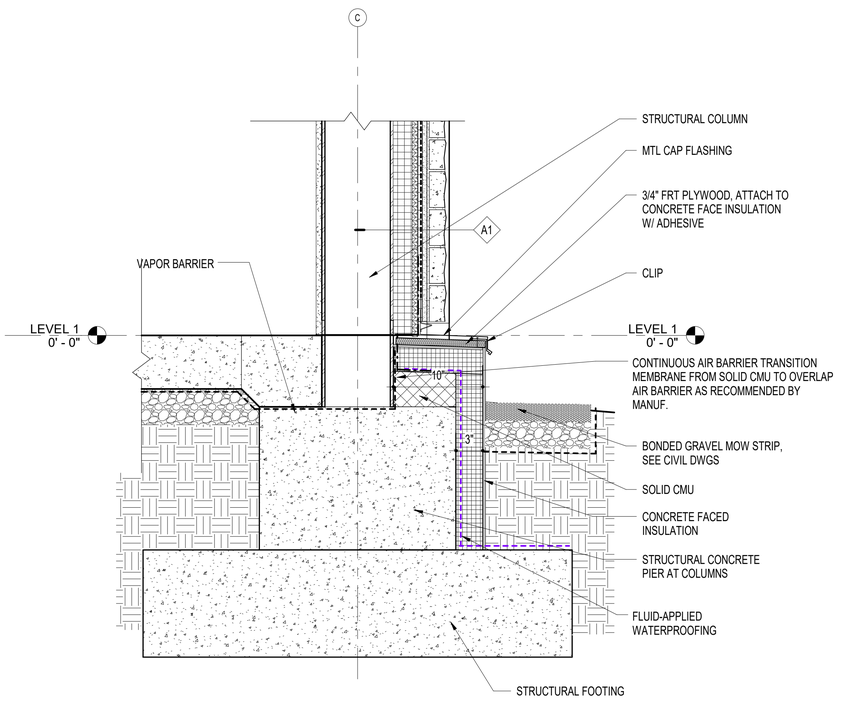
BID DOCUMENTS 5/15/2025



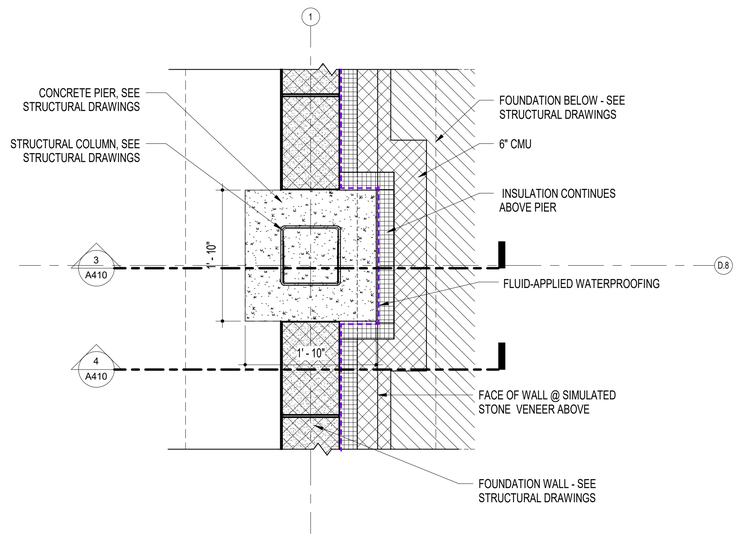
4 SECTION AT MP SIDEWALK
1 1/2" = 1'-0"



3 SECTION AT MP COLUMN PIER
1 1/2" = 1'-0"



2 SECTION DETAIL AT COLUMN PIER
1 1/2" = 1'-0"



1 FOUNDATION PLAN DETAIL AT COLUMN PIER
1" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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BY:
DATE:

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CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE
PERMIT REVISIONS # 1	1	3/19/25
CONTRACT COMPLETION BOX		

P.W.A NO.:

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FOUNDATION DEAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

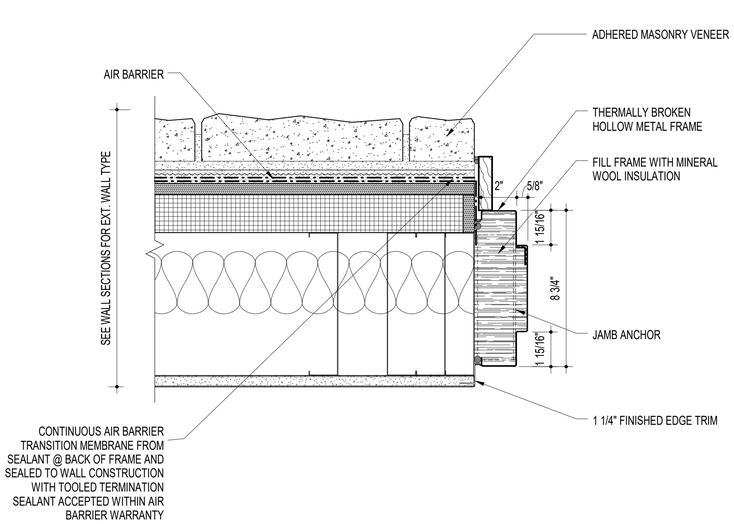
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A410	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	72 OF 195
	DRAWING NUMBER
	2025 - 0289
	FILE NO.: 8

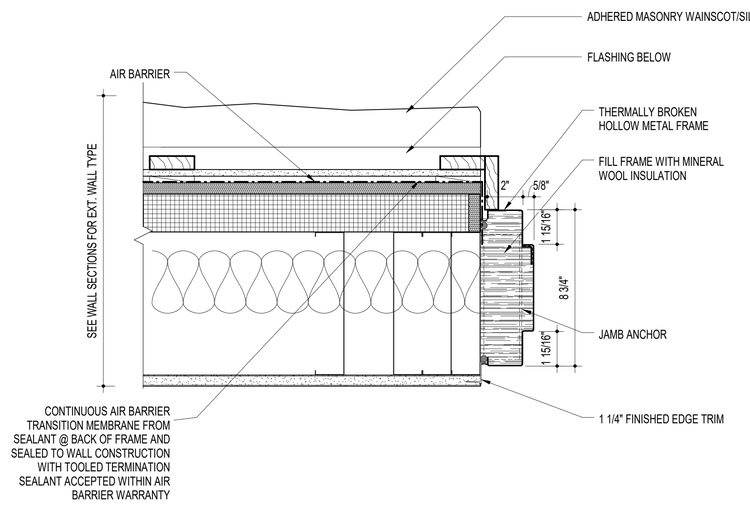
BALTIMORE COUNTY MARYLAND

EXTERIOR FRAME DETAIL NOTES

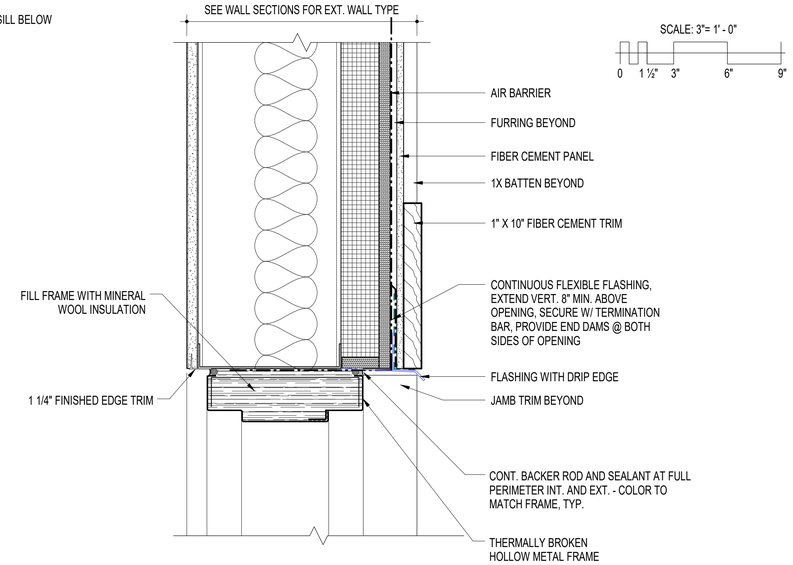
1. A CONTINUOUS AIR BARRIER IS REQUIRED. JOINTS AND SEAMS MUST BE SEALED INCLUDING ALL TRANSITIONS AND CHANGES IN MATERIALS. PENETRATIONS OF AIR BARRIER MUST BE GASKETED OR SEALED IN A MANNER COMPATIBLE WITH OTHER MATERIALS AND ACCEPTED BY AIR BARRIER MANUFACTURER. LINE OF PRIMARY SEALANT AT CW AND SF TO ENGAGE AIR BARRIER OR AIR BARRIER TRANSITION MEMBRANE AT ALL LOCATIONS.



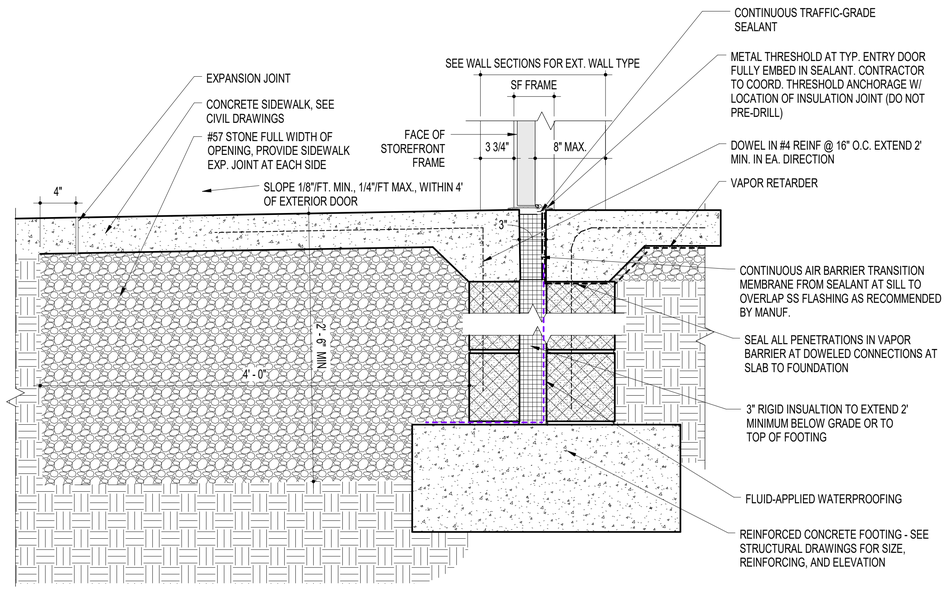
5 JAMB DETAIL MASONRY - HM @ MTL STUDS
3" = 1'-0"



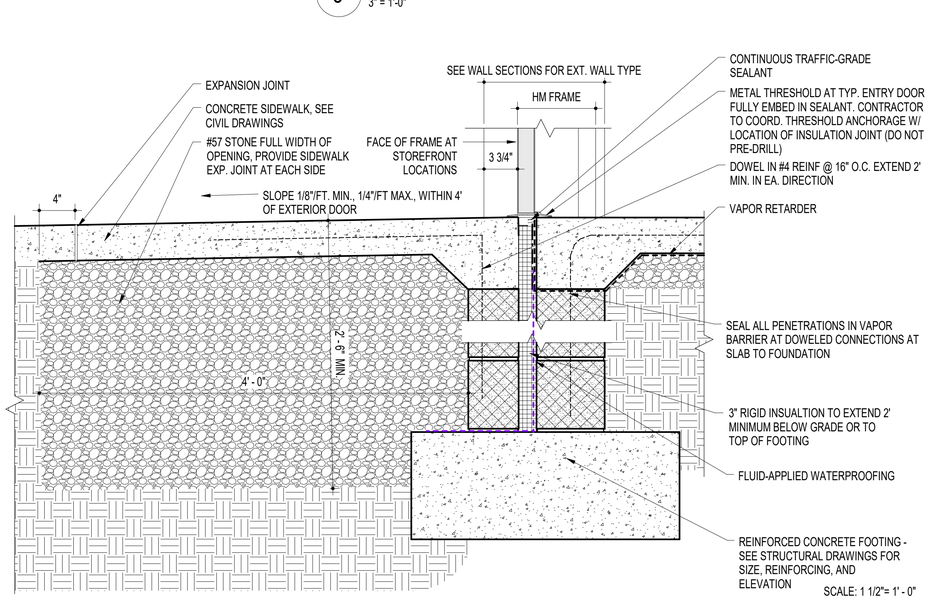
4 JAMB DETAIL SIDING - HM @ MTL STUDS
3" = 1'-0"



3 HEAD DETAIL SIDING - HM @ MTL STUDS
3" = 1'-0"



2 DETAIL - TYPICAL ENTRY - STOREFRONT
1 1/2" = 1'-0"



1 DETAIL - TYPICAL ENTRY - HOLLOW METAL
1 1/2" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS–BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
DOOR DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

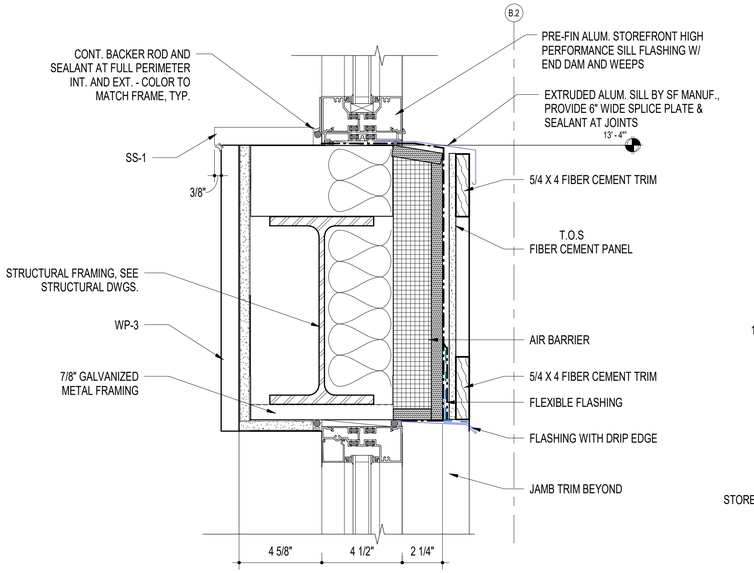
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A411	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	73 OF 195
	DRAWING NUMBER
	2025 - 0290
	FILE NO.: 8

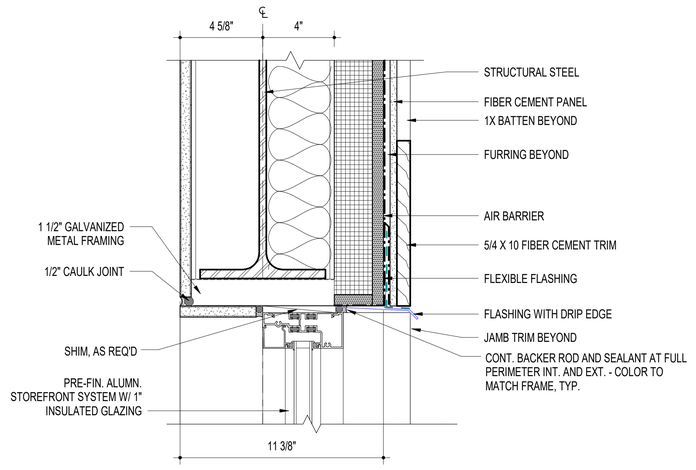
BALTIMORE COUNTY MARYLAND

EXTERIOR FRAME DETAIL NOTES

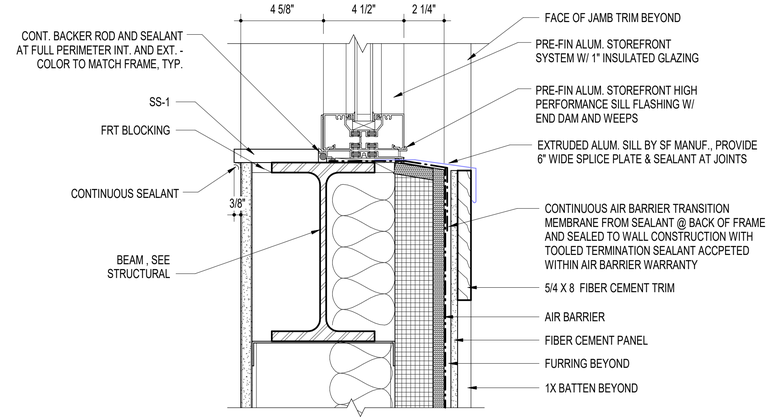
1. A CONTINUOUS AIR BARRIER IS REQUIRED. JOINTS AND SEAMS MUST BE SEALED INCLUDING ALL TRANSITIONS AND CHANGES IN MATERIALS. PENETRATIONS OF AIR BARRIER MUST BE GASKETED OR SEALED IN A MANNER COMPATIBLE WITH OTHER MATERIALS AND ACCEPTED BY AIR BARRIER MANUFACTURER. LINE OF PRIMARY SEALANT AT CW AND SF TO ENGAGE AIR BARRIER OR AIR BARRIER TRANSITION MEMBRANE AT ALL LOCATIONS.



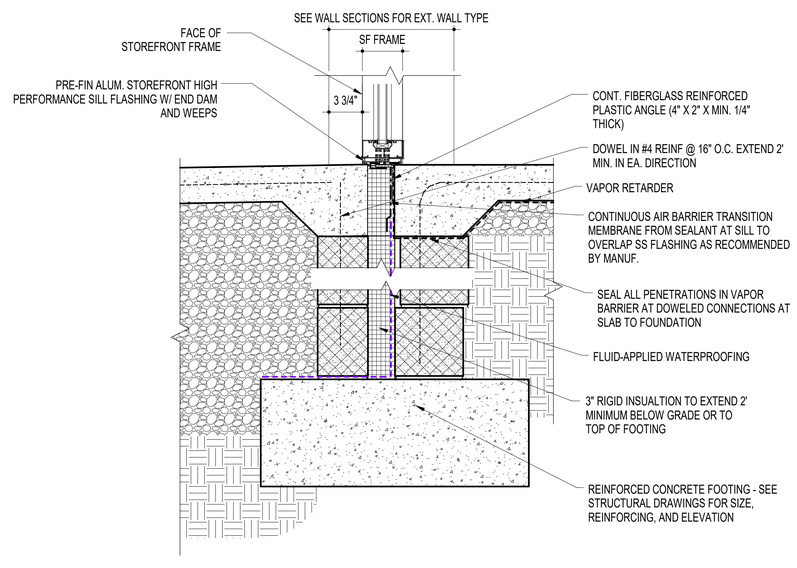
5 HEAD AND SILL DETAIL AT ENTRANCE
3" = 1'-0"



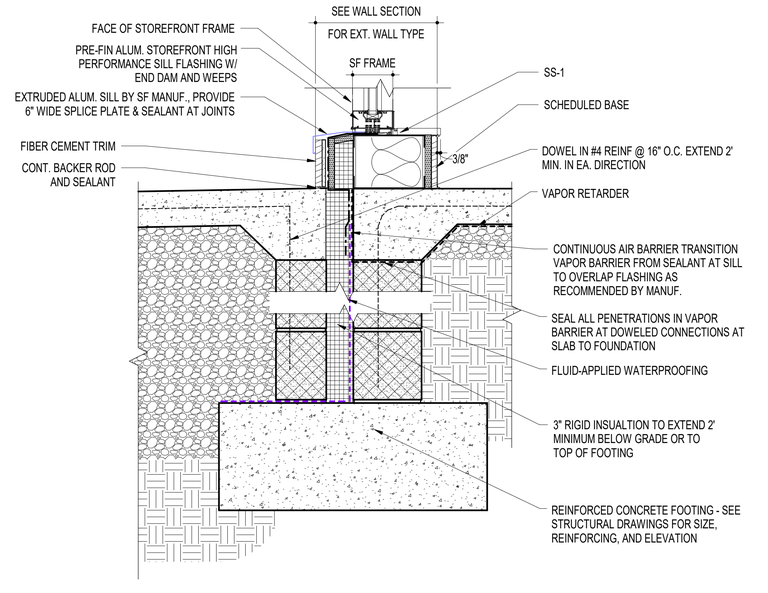
4 HEAD DETAIL - STOREFRONT @ FC PANEL (10" TRIM)
3" = 1'-0"



3 SILL DETAIL - STOREFRONT @ FC PANEL W/BEAM
3" = 1'-0"



2 DETAIL - STOREFRONT AT ENTRY
1 1/2" = 1'-0"



1 DETAIL - STOREFRONT CURB
1 1/2" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
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CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
STOREFRONT HEAD, JAMB AND SILL DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

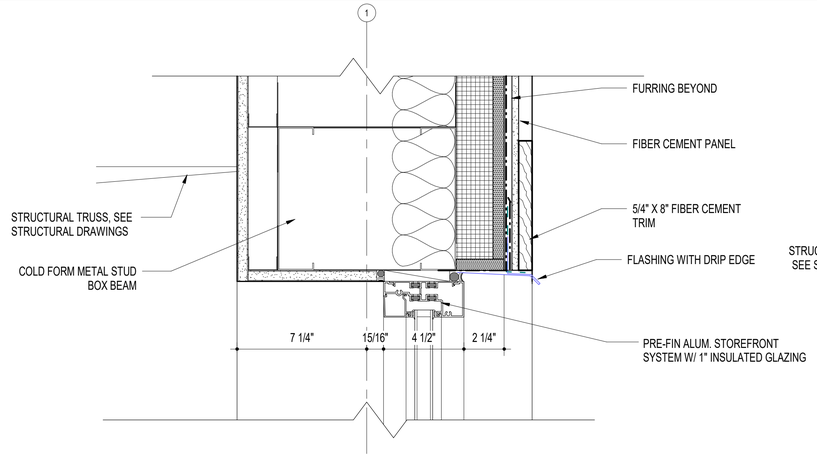
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A412	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	74 OF 195
	DRAWING NUMBER
	2025 - 0291
	FILE NO.: 8

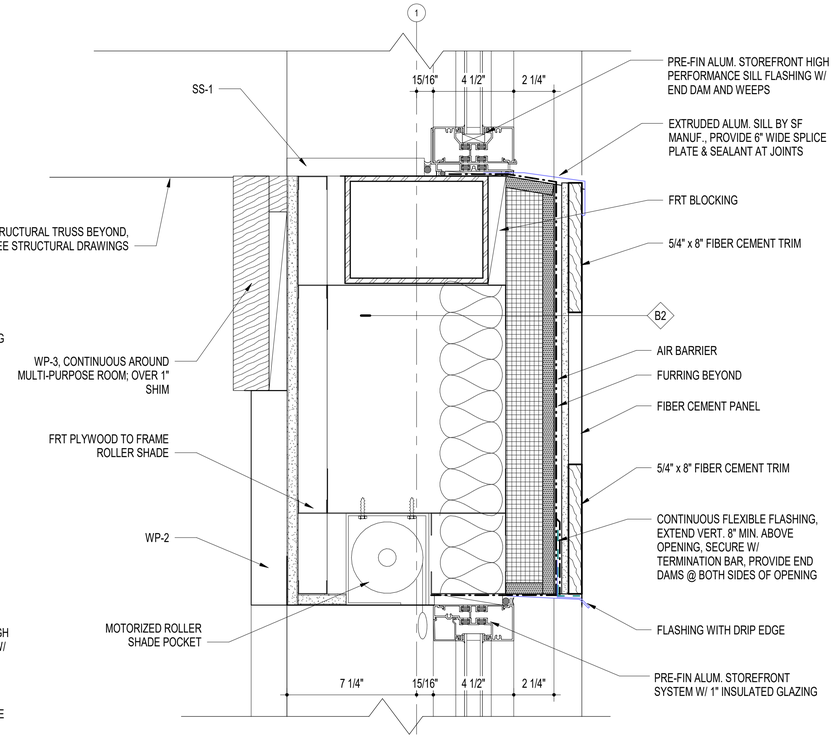
BALTIMORE COUNTY MARYLAND

EXTERIOR FRAME DETAIL NOTES

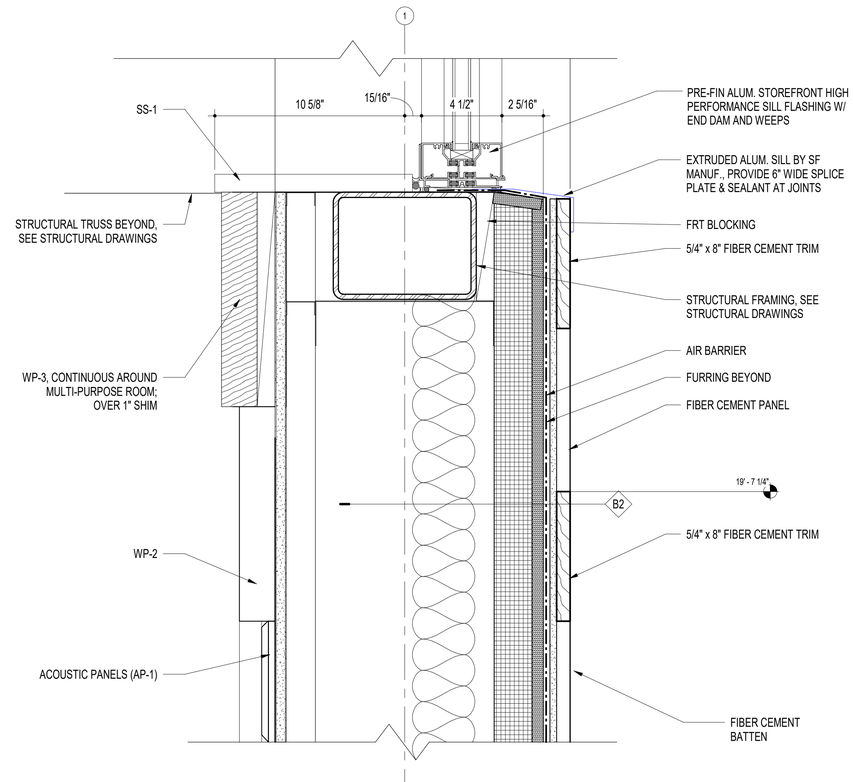
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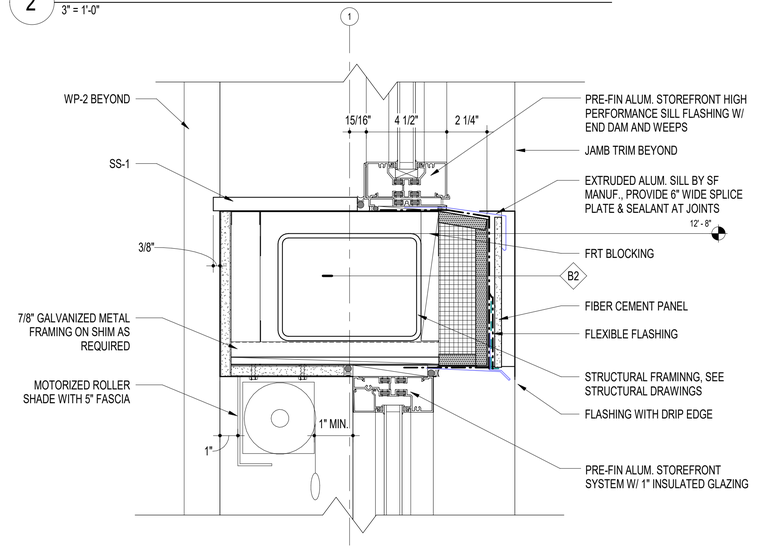
4 HEAD AT HIGH WINDOWS - MP
3" = 1'-0"



2 HEAD/SILL DETAIL AT HIGH WINDOWS - MP
3" = 1'-0"



3 SILL AT HIGH WINDOWS - MP
3" = 1'-0"



TOP OF STUD 18' - 0"

4 HEAD/SILL DETAIL AT MID WINDOWS - MP
3" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

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CONTRACT COMPLETION BOX			

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UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

STOREFRONT HEAD, JAMB AND SILL DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

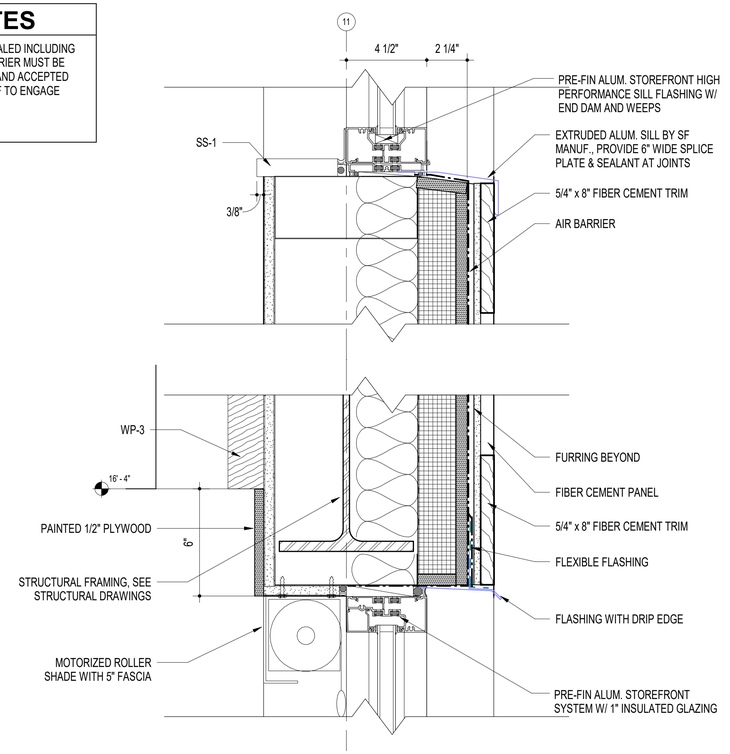
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SHEET DESIGNATION	CONTRACT NUMBER
A413	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	75 OF 195
	DRAWING NUMBER
	2025 - 0292
	FILE NO.: 8

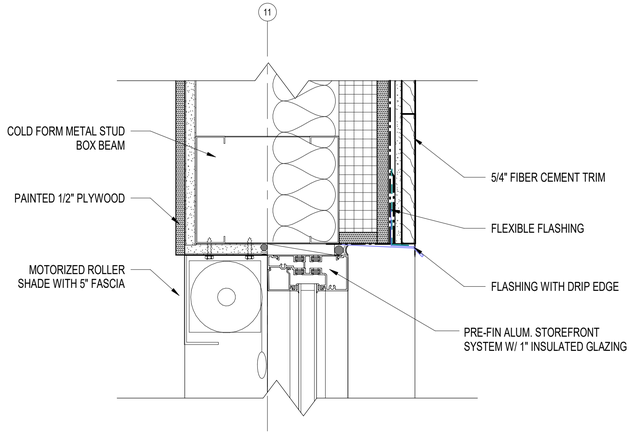
BALTIMORE COUNTY MARYLAND

EXTERIOR FRAME DETAIL NOTES

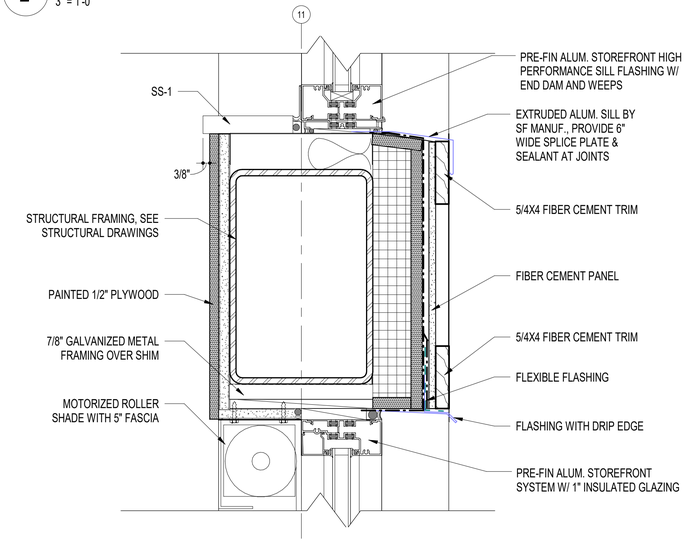
1. A CONTINUOUS AIR BARRIER IS REQUIRED. JOINTS AND SEAMS MUST BE SEALED INCLUDING ALL TRANSITIONS AND CHANGES IN MATERIALS. PENETRATIONS OF AIR BARRIER MUST BE GASKETED OR SEALED IN A MANNER COMPATIBLE WITH OTHER MATERIALS AND ACCEPTED BY AIR BARRIER MANUFACTURER. LINE OF PRIMARY SEALANT AT CW AND SF TO ENGAGE AIR BARRIER OR AIR BARRIER TRANSITION MEMBRANE AT ALL LOCATIONS.



2 HEAD AND SILL DETAIL AT MID LOUNGE SF
3" = 1'-0"



3 HEAD DETAIL AT HIGH LOUNGE SF
3" = 1'-0"



1 HEAD AND SILL DETAIL AT LOW LOUNGE SF
3" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
STOREFRONT HEAD, JAMB AND SILL DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A414	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	76 OF 195
	DRAWING NUMBER
	2025 - 0293
	FILE NO.: 8

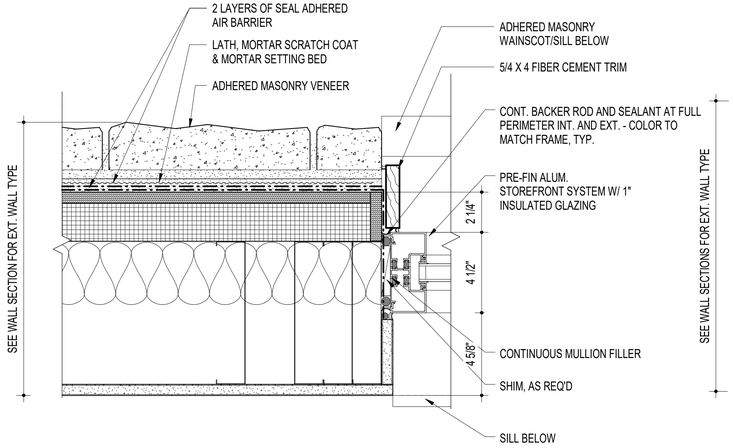
BALTIMORE COUNTY MARYLAND

SCALE: 3"= 1' - 0"

0 1 ½" 3" 6" 9"

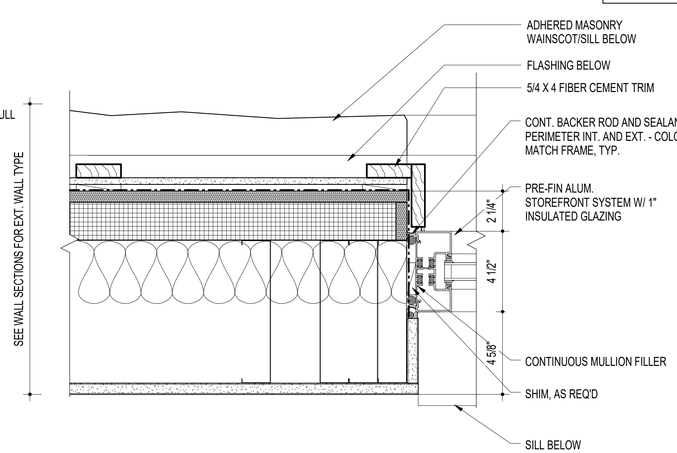
EXTERIOR FRAME DETAIL NOTES

1. A CONTINUOUS AIR BARRIER IS REQUIRED. JOINTS AND SEAMS MUST BE SEALED INCLUDING ALL TRANSITIONS AND CHANGES IN MATERIALS. PENETRATIONS OF AIR BARRIER MUST BE GASKETED OR SEALED IN A MANNER COMPATIBLE WITH OTHER MATERIALS AND ACCEPTED BY AIR BARRIER MANUFACTURER. LINE OF PRIMARY SEALANT AT CW AND SF TO ENGAGE AIR BARRIER OR AIR BARRIER TRANSITION MEMBRANE AT ALL LOCATIONS.



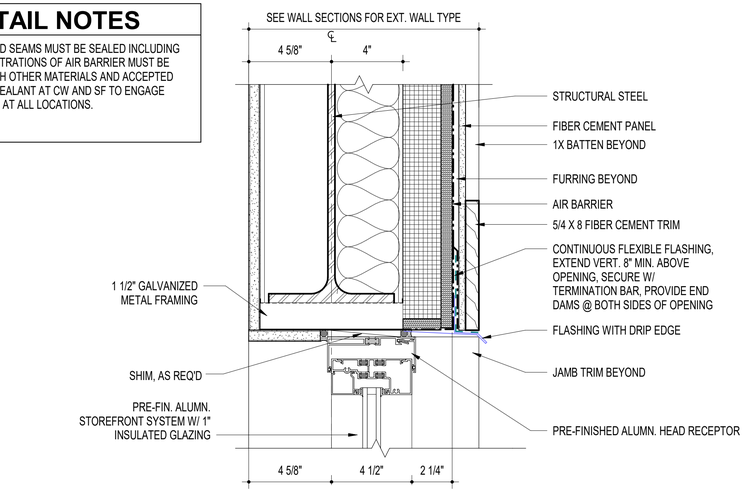
6 JAMB DETAIL - STOREFRONT @ MASONRY VENEER

3" = 1'-0"



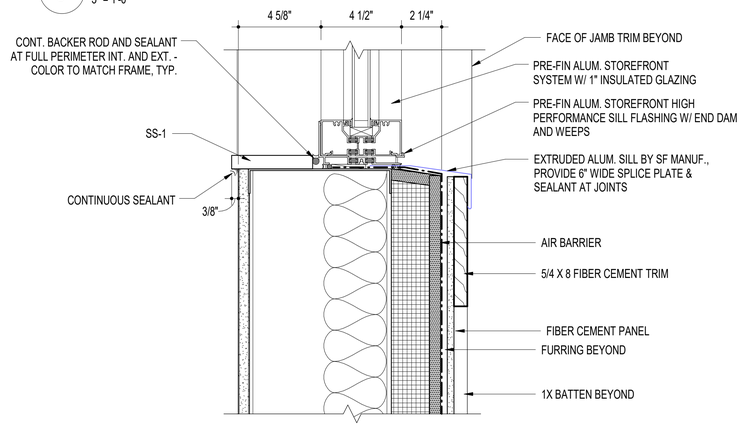
5 JAMB DETAIL - STOREFRONT @ FC PANEL

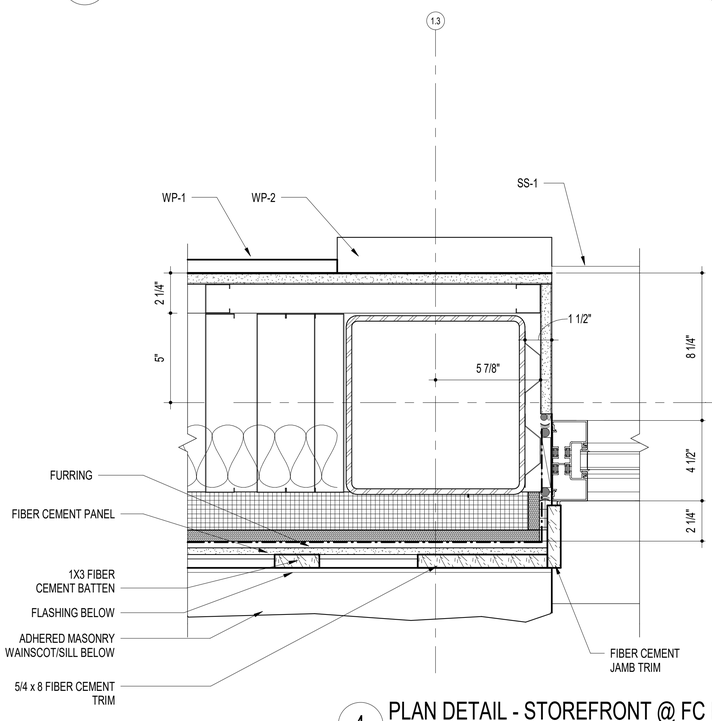
3" = 1'-0"

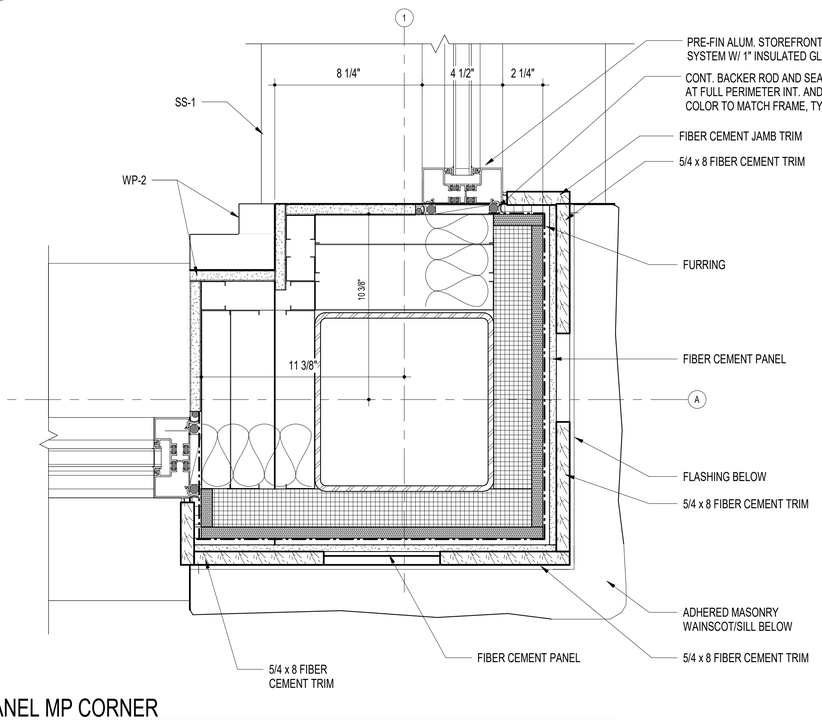


3 HEAD DETAIL - STOREFRONT @ FC PANEL

3" = 1'-0"

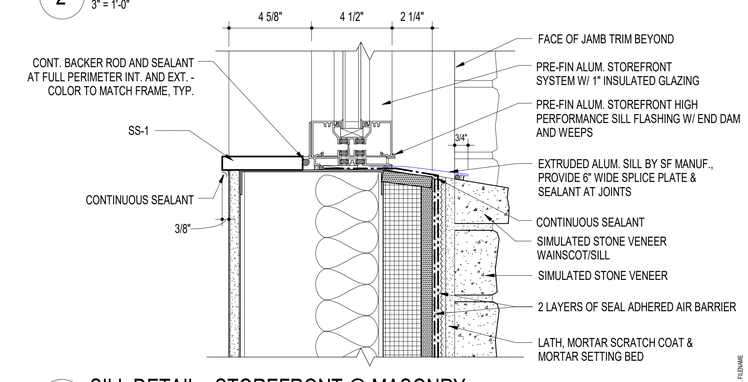






4 PLAN DETAIL - STOREFRONT @ FC PANEL MP CORNER

3" = 1'-0"



2 SILL DETAIL - STOREFRONT @ FC PANEL

3" = 1'-0"

1 SILL DETAIL - STOREFRONT @ MASONRY

3" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

STOREFRONT HEAD, JAMB, AND SILL DETAILS

BID DOCUMENTS 5/15/2025

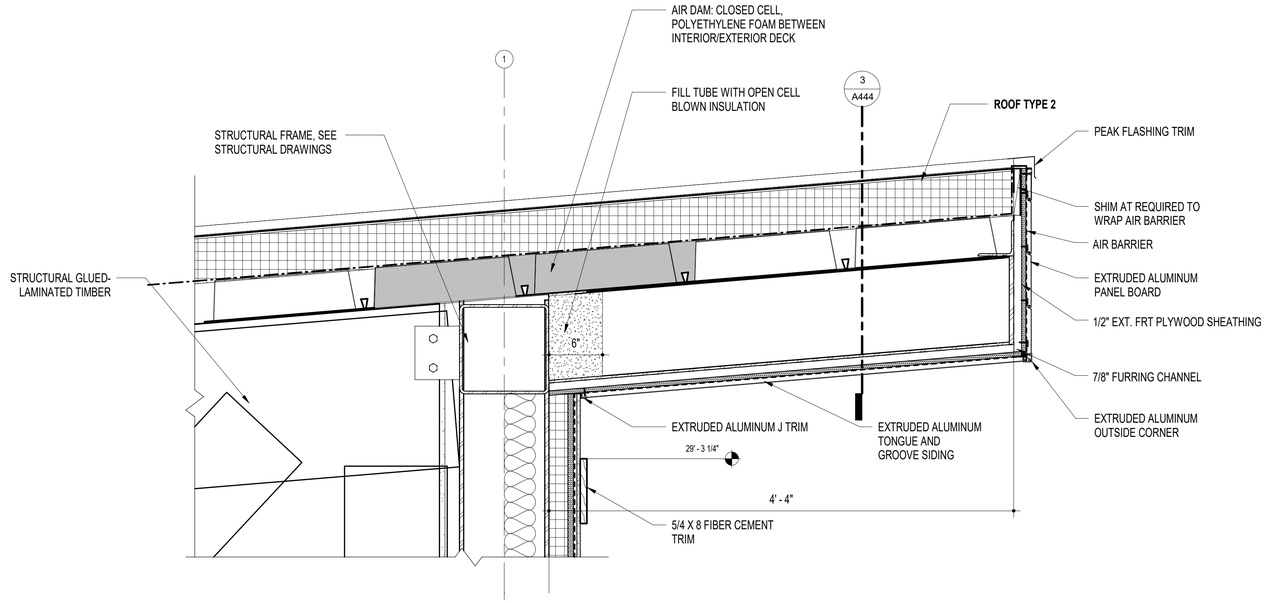
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A415	25010 PO0
JOB ORDER NUMBER	
10-701-1861	
77 OF 195	
DRAWING NUMBER	
2025 - 0294	
FILE NO.: 8	

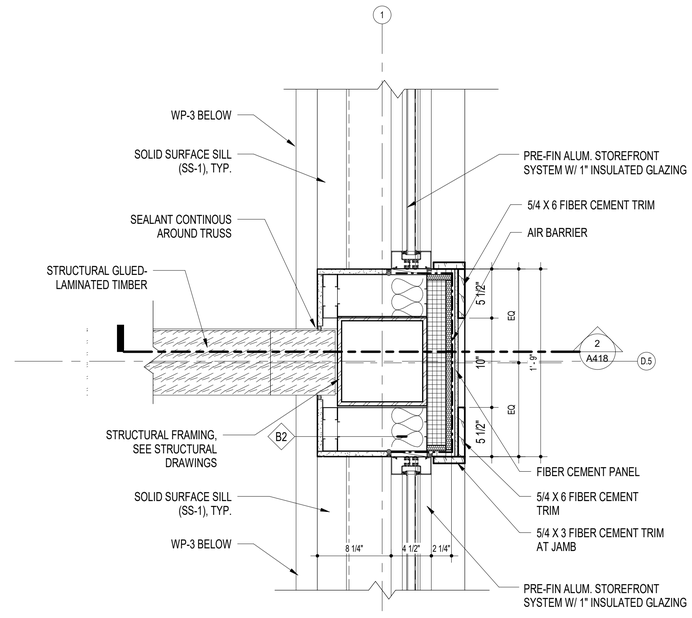
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



2 SECTION DETAIL AT MP TRUSS

1 1/2" = 1'-0"



1 TRUSS @ SF DETAIL IN MP ROOM

1 1/2" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:									
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

WOOD TRUSS SECTION DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

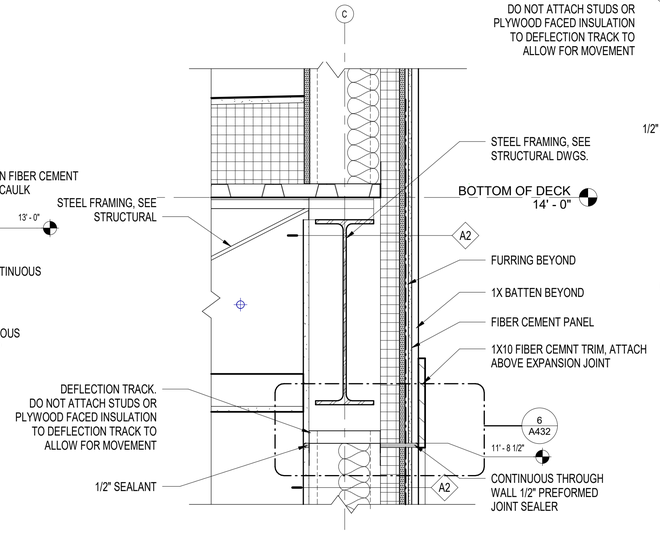
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

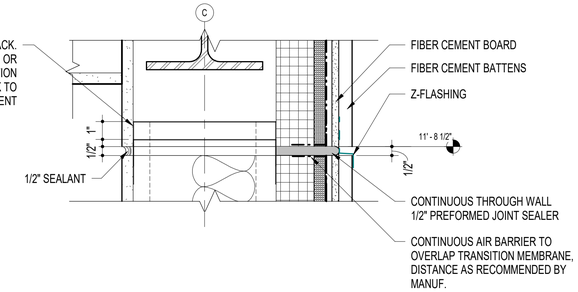
SHEET DESIGNATION	CONTRACT NUMBER
A418	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	78 OF 195
	DRAWING NUMBER
	2025 - 0295
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

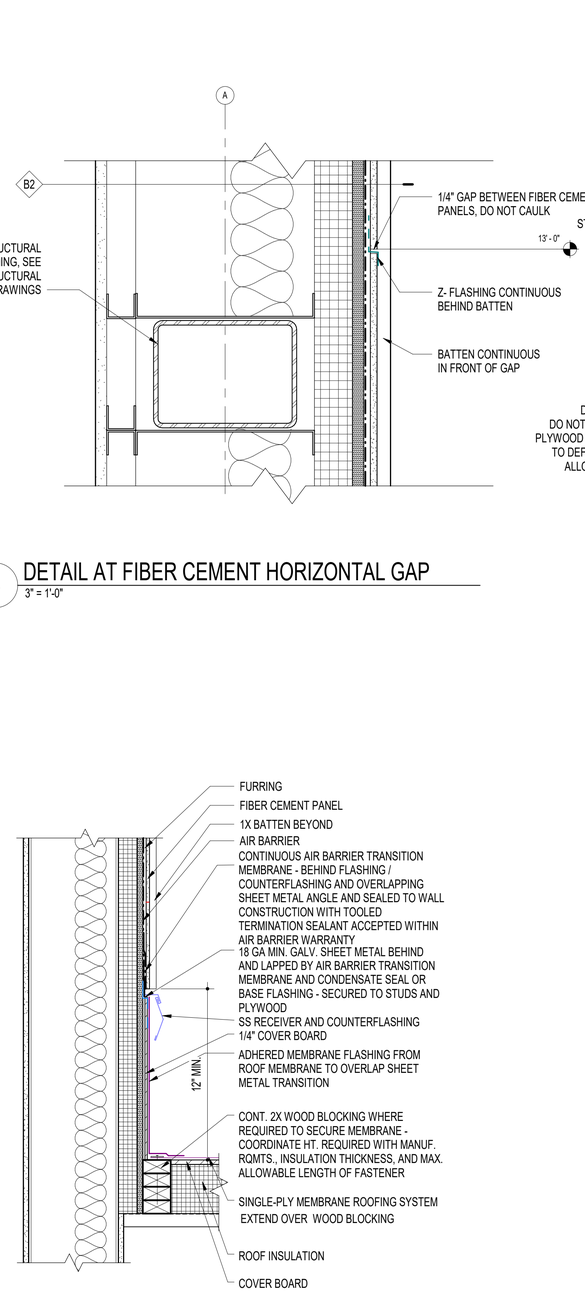
4 DETAIL AT FIBER CEMENT HORIZONTAL GAP
3" = 1'-0"



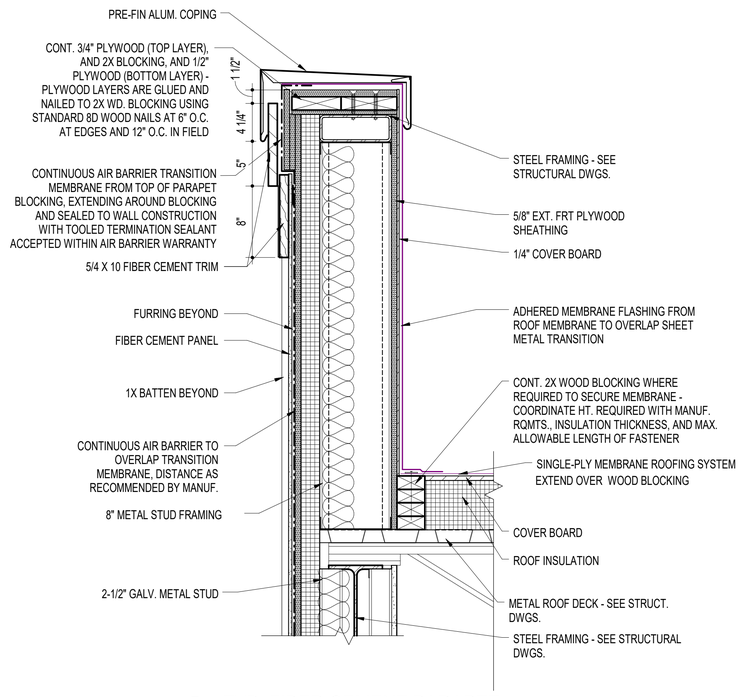
5 DETAIL AT FIBER CEMENT EXPANSION JOINT
1 1/2" = 1'-0"



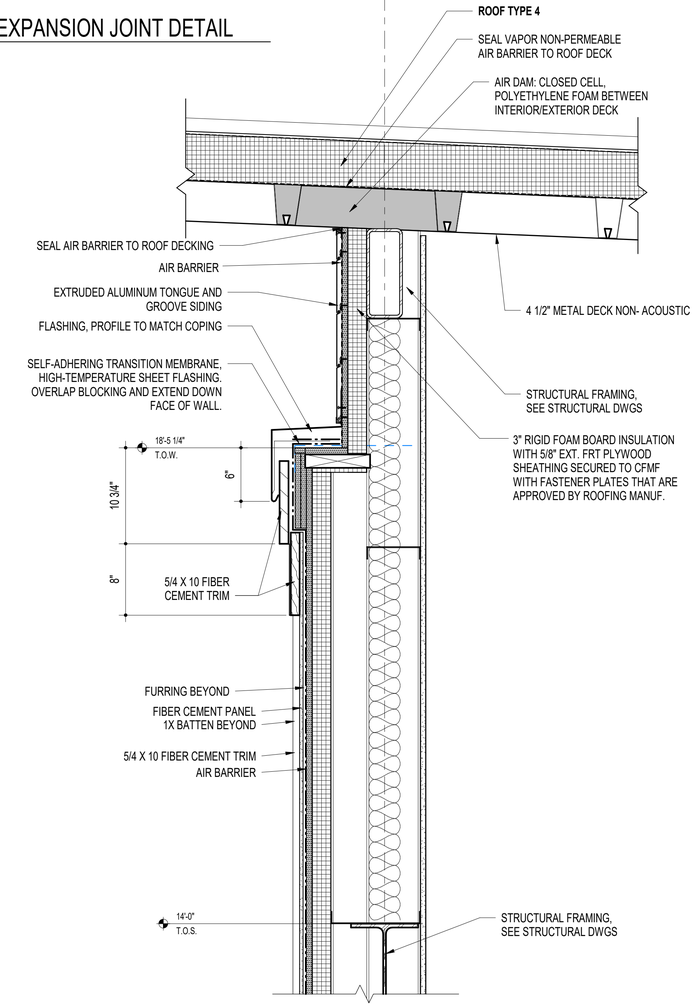
6 FIBER CEMENT EXPANSION JOINT DETAIL
3" = 1'-0"



3 TYP. LOW ROOF FLASHING W/ FIBER CEMENT PANEL
1 1/2" = 1'-0"



2 TYP. FIBER CEMENT PARAPET
1 1/2" = 1'-0"



1 FIBER CEMENT PARAPET @ SLOPED SOFFIT
1 1/2" = 1'-0"

SCALE: 1 1/2"= 1' - 0"

0 3" 6" 1' 1' 6"

DWG: FLEXWARE

SEAL

STATE OF MARYLAND · SUSAN HAHN · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

DGN BY: Designer

DWN BY: Author

AS–BUILT PER RECORD PRINT

BY:

DATE:

CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:		APPROVED BY: PROPERTY MANAGER DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF DETAILS

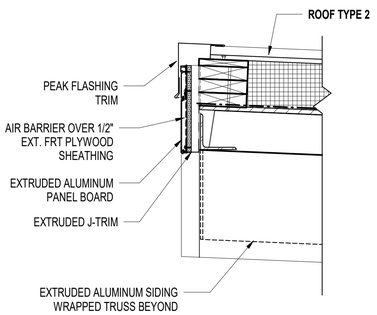
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

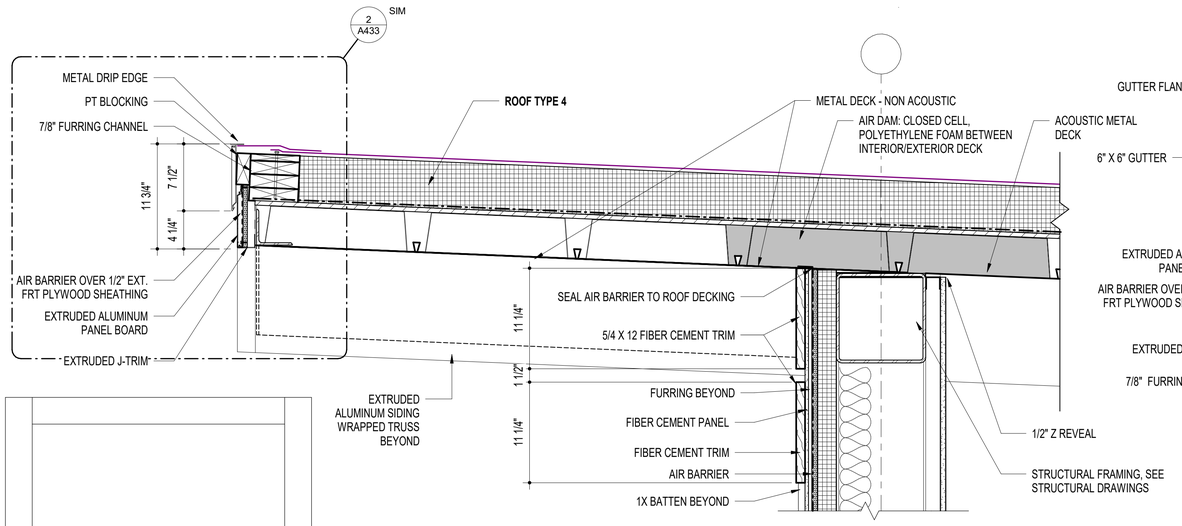
SHEET DESIGNATION	CONTRACT NUMBER
A432	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	79 OF 195
	DRAWING NUMBER
	2025 - 0296
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



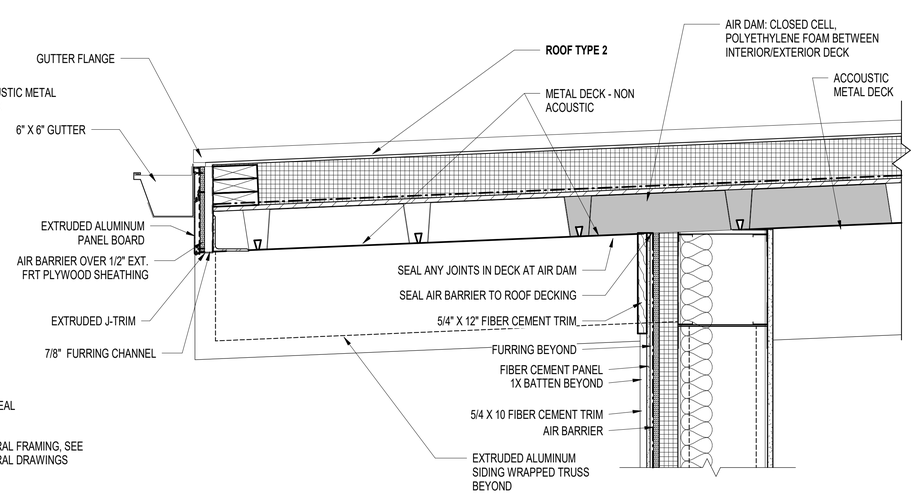
ALT # 02 - METAL ROOF - HIGH OVERHANG FASCIA

2 — 1 1/2" = 1'-0"



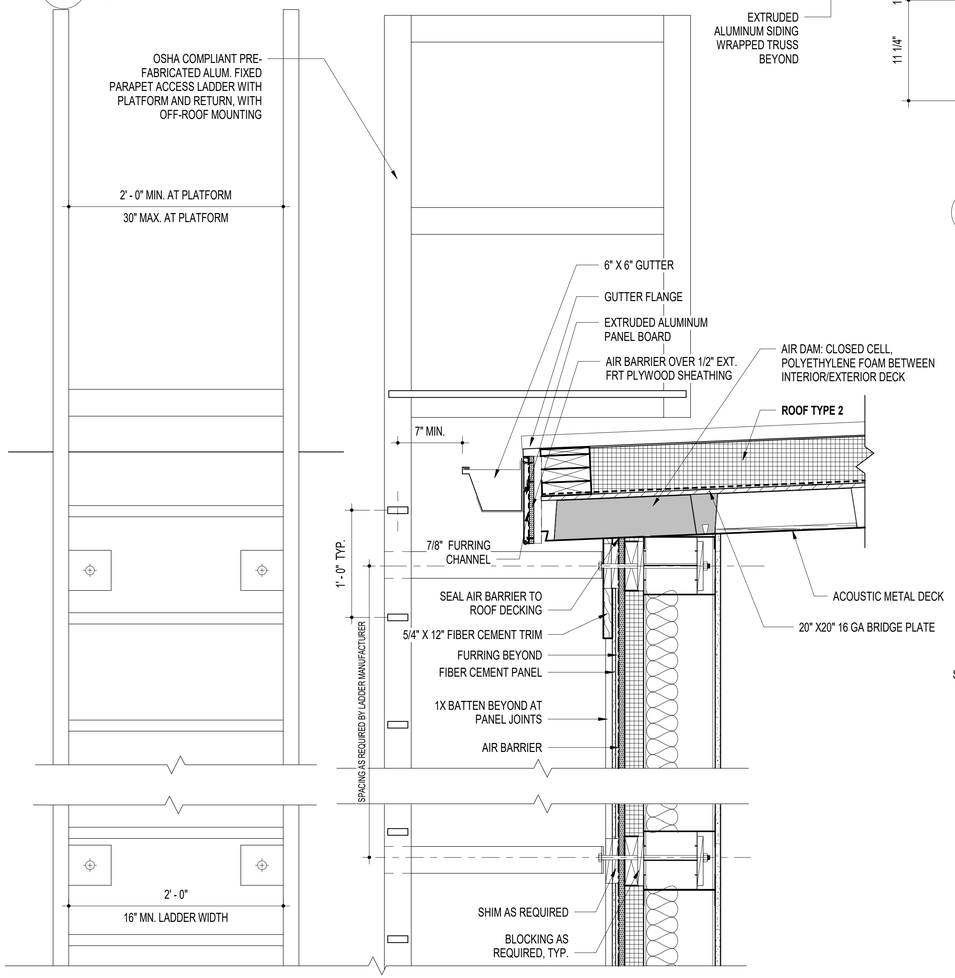
5 TPO - HIGH OVERHANG W/ FASCIA

1 1/2" = 1'-0"



6 METAL ROOF - LOW OVERHANG W/ GUTTER

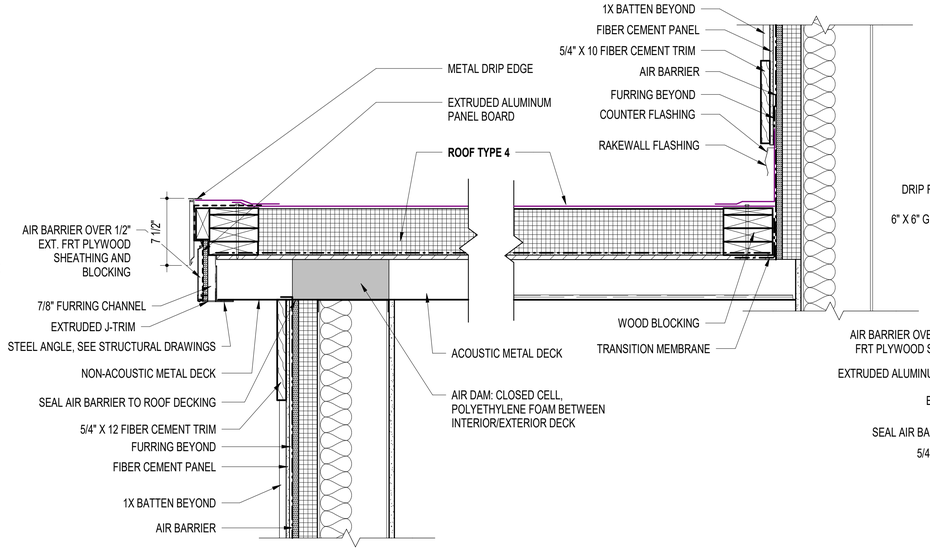
1 1/2" = 1'-0"



ELEVATION

1 METAL ROOF - LOW W/ LADDER

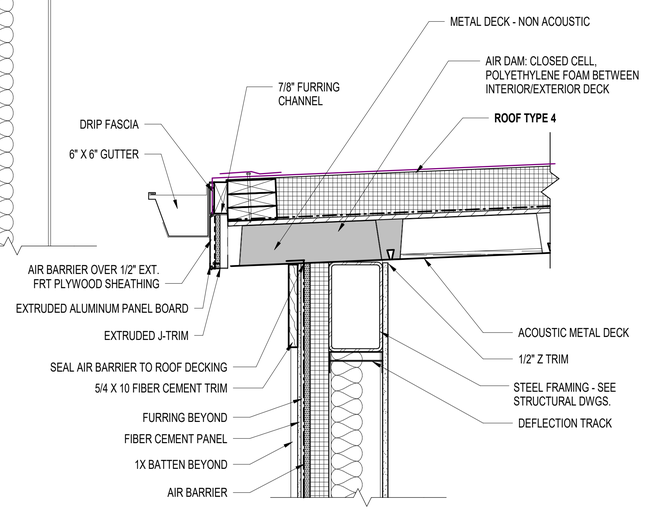
1 1/2" = 1'-0"



7 TPO - FASCIA DETAIL

1 1/2" = 1'-0"

SEE SHEET A434 FOR ALT # 02 ROOF DETAILS



3 TPO - RAKEWALL

1 1/2" = 1'-0"

SEE SHEET A434 FOR ALT # 02 ROOF DETAILS

4 TPO - LOW W/ GUTTER

1 1/2" = 1'-0"

SEE SHEET A434 FOR ALT # 02 ROOF DETAILS

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HANKS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

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CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12
CONTRACT COMPLETION BOX					

DRAWING SCALE	
PLAN SCALE:	PER PLAN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF DETAILS

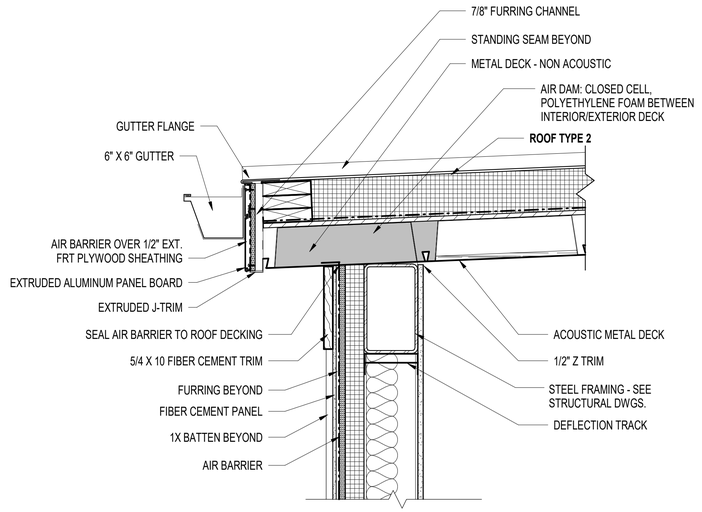
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

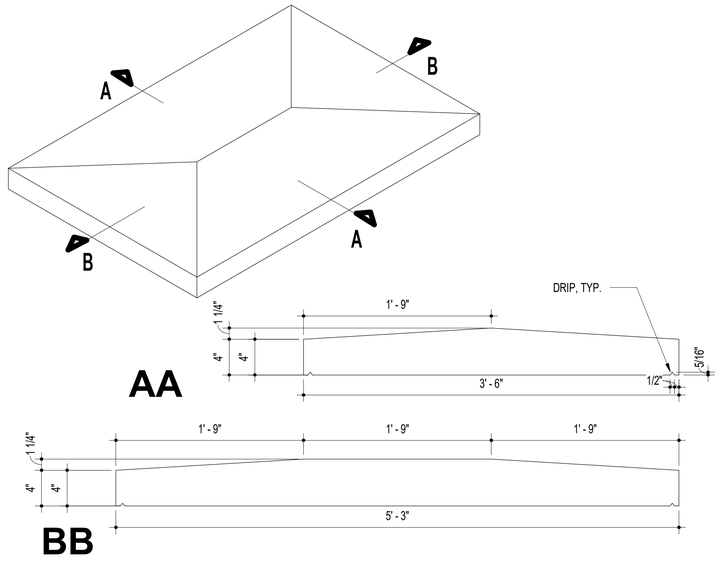
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A433	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	80 OF 195
	DRAWING NUMBER
	2025 - 0297
	FILE NO.: 8

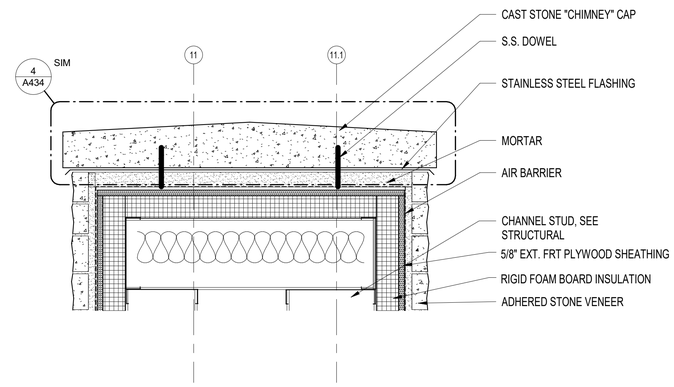
BALTIMORE COUNTY MARYLAND



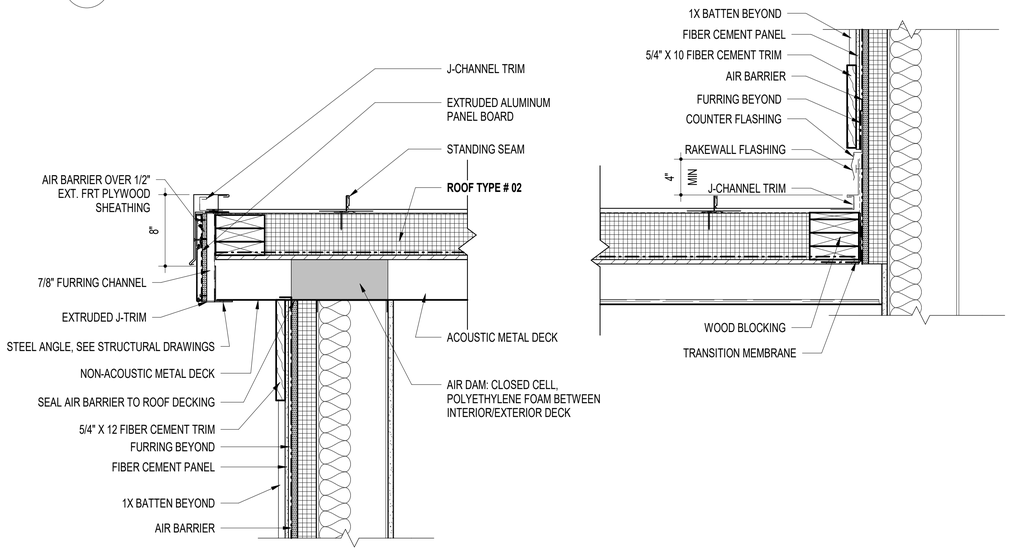
5 ALT #02 - METAL ROOF - LOW W/ GUTTER
1 1/2" = 1'-0"



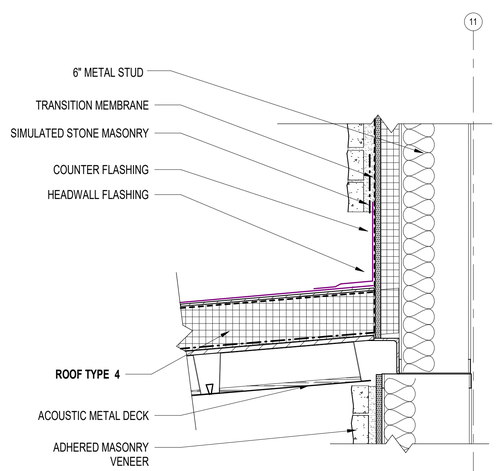
4 CAST STONE "CHIMNEY" CAP
1 1/2" = 1'-0"



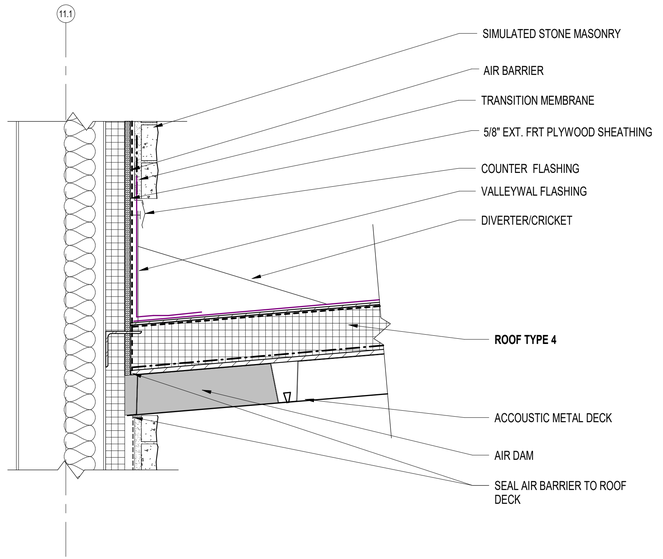
3 "CHIMNEY" CAP
1 1/2" = 1'-0"



7 ALT # 02 - METAL ROOF - FASCIA
1 1/2" = 1'-0"



6 ALT # 02 METAL ROOF - RAKEWALL
1 1/2" = 1'-0"



1 HEADWALL DETAIL
1 1/2" = 1'-0"

2 VALLEY WALL DETAIL
1 1/2" = 1'-0"

DWG: FLEXWARE

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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BY:
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DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ROOF DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

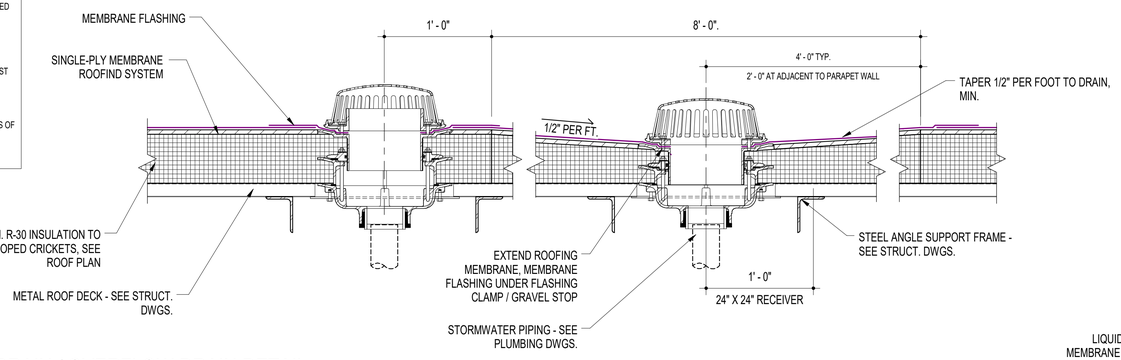
SHEET DESIGNATION	CONTRACT NUMBER
A434	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	81 OF 195
	DRAWING NUMBER
	2025 - 0298
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

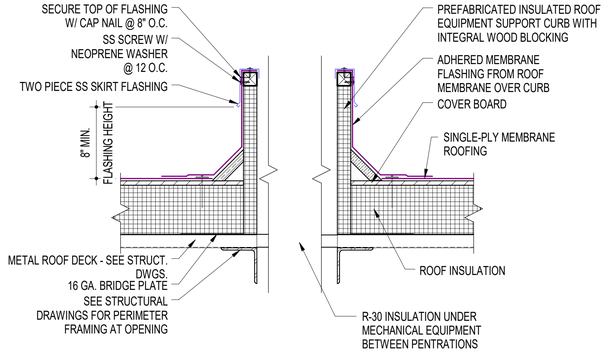
BID DOCUMENTS 5/15/2025

NOTE: IECC REQUIRES R-30 CONTINUOUS INSULATION ABOVE ROOF DECK. INSULATION THICKNESS MAY BE REDUCED TO 1" MIN. AT GUTTER EDGE, ROOF DRAIN OR SCUPPER PER IECC SECTION 402.2.1.2, PROVIDED THE AREA-WEIGHTED AVERAGE IS EQUIVALENT TO THE SAME ASSEMBLY WITH THE MINIMUM REQUIRED R-VALUE OVER THE ENTIRETY OF THE ROOF.

EXTEND ROOFING MEMBRANE, UNDER ROOF DRAINS CLAMPING RING. SET CAST IRON ROOF DRAIN ONLY ON DRAIN RECEIVER AND SECURE TO ROOF CONSTRUCTION WITH DECK CLAMP ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR PLANS AND LOCATIONS OF DRAIN/SUMP AREAS. SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR ROOF DRAIN TYPES AND SIZES.



5 TYP. ROOF DRAIN / OVERFLOW DRAIN DETAIL
1 1/2" = 1'-0"

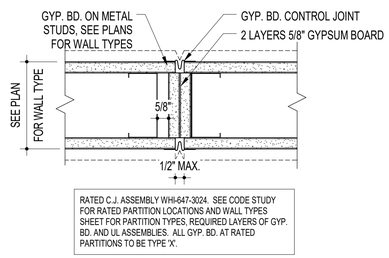


4 TYPICAL CURB DETAIL
1 1/2" = 1'-0"

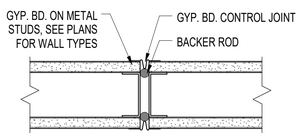
TYPICAL CONTROL JOINT NOTES

1. BRICK AND FIBER CEMENT PANELS AND ADHERED MASONRY VENEERS JOINTS ARE SHOWN ON THE PLANS OR ELEVATIONS. PROVIDE ALL JOINTS SHOWN ON EITHER THE PLANS, ELEVATIONS OR DETAILS. SEE DETAILS ON THIS SHEET FOR TYPICAL DETAILS.
2. GYPSUM BOARD CONTROL JOINTS MAY NOT BE SHOWN. THEY MUST BE PROVIDED AND SPACED AS RECOMMENDED IN THE GYPSUM BOARD MANUFACTURERS PUBLISHED LITERATURE AND PER ASTM STANDARDS. CONTRACTOR MUST SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED LOCATIONS OF THESE JOINTS TO THE ARCHITECT FOR REVIEW AND APPROVAL. SOME GYPSUM BOARD CONTROL JOINTS ARE SHOWN WHERE SPECIAL AESTHETIC EFFECT IS DESIRED, HOWEVER THIS MAY NOT REPRESENT ALL JOINTS THAT ARE REQUIRED. ADDITIONAL JOINTS TO BE PROVIDED IF NEEDED TO COMPLY WITH THE SPECIFICATIONS.

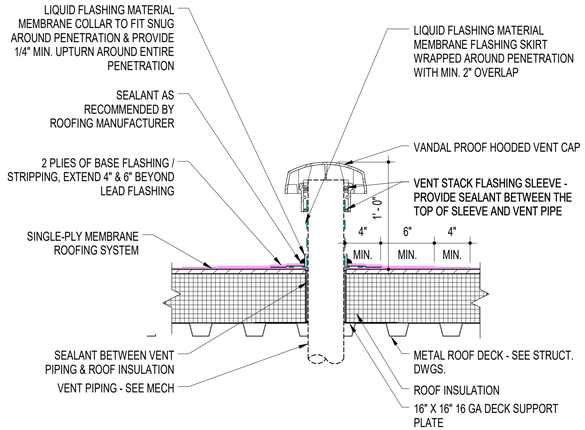
SCALE: 3"= 1' - 0"
0 1 ½" 3" 6" 9"



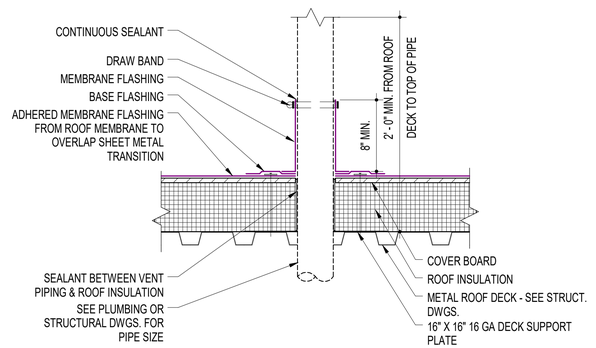
7 RATED GYP. BD. CONTROL JOINT
3" = 1'-0"



6 GYP. BD. CONTROL JOINT
3" = 1'-0"

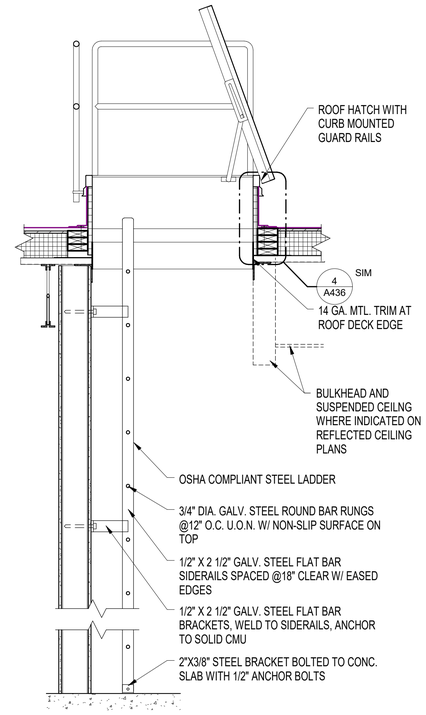


3 TYPICAL ROOF VENT
1 1/2" = 1'-0"



2 DETAIL - TYPICAL PIPE PENETRATION
1 1/2" = 1'-0"

SCALE: 1 1/2"= 1' - 0"
0 3" 6" 1' 1' 6"



1 DETAIL - ROOF HATCH
3/4" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker
AS--BUILT PER RECORD PRINT
BY:
DATE:

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

SUBDIVISION: JACKSONVILLE

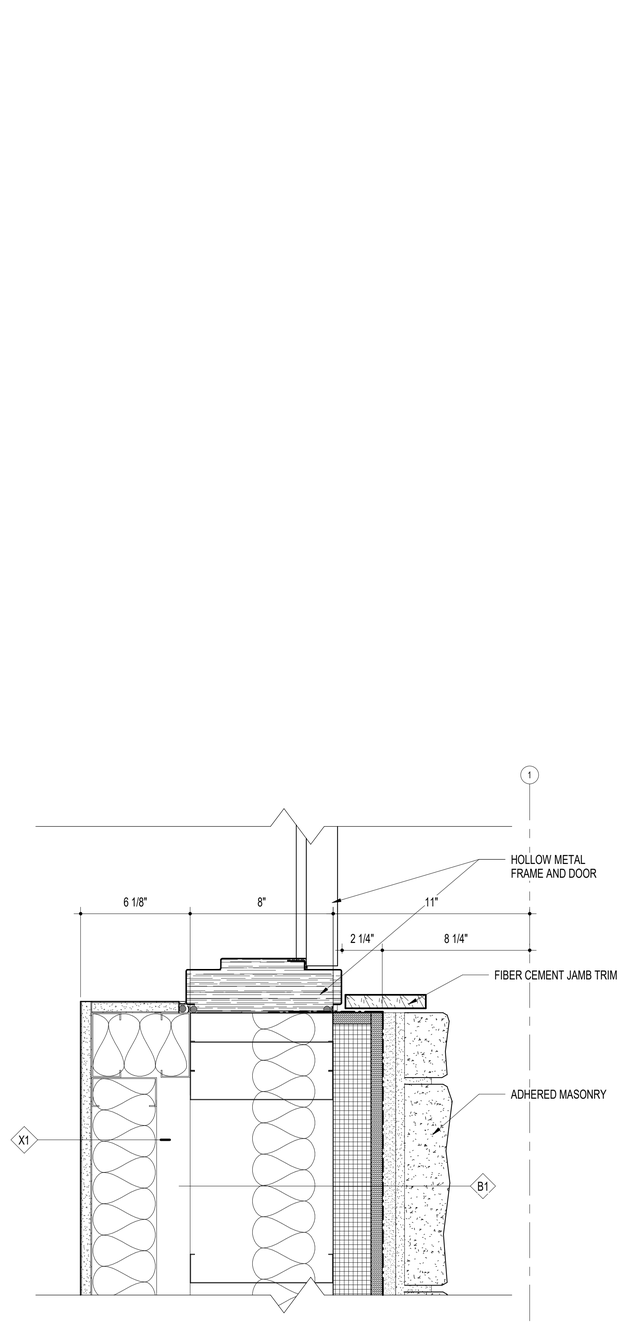
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ROOF DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

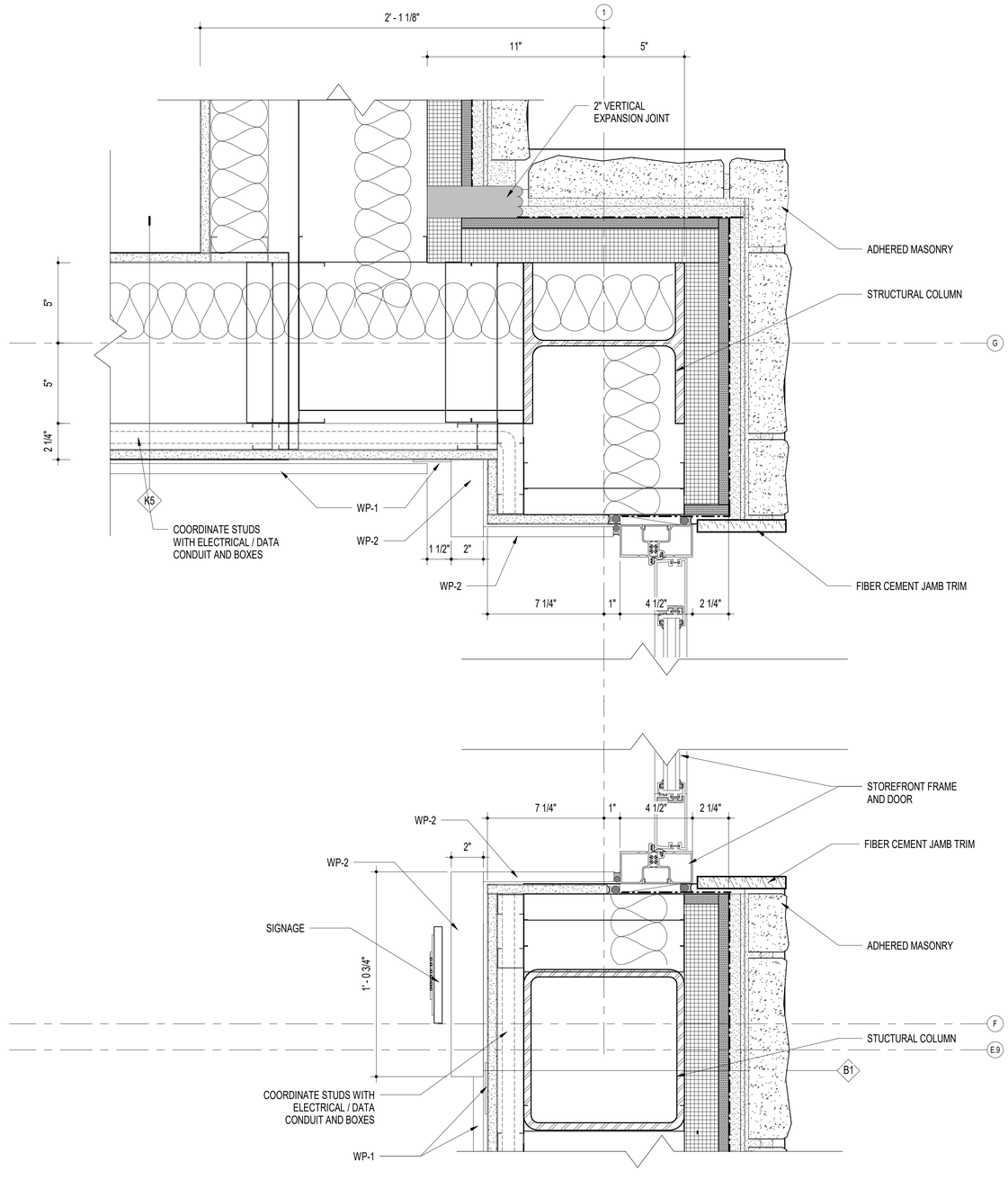
SHEET DESIGNATION	CONTRACT NUMBER
A436	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	82 OF 195
	DRAWING NUMBER
	2025 - 0299
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



2 JAMB AT HM FRAME - X05

3" = 1'-0"



1 JAMB AT STOREFRONT - X06

3" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLAN DETAILS

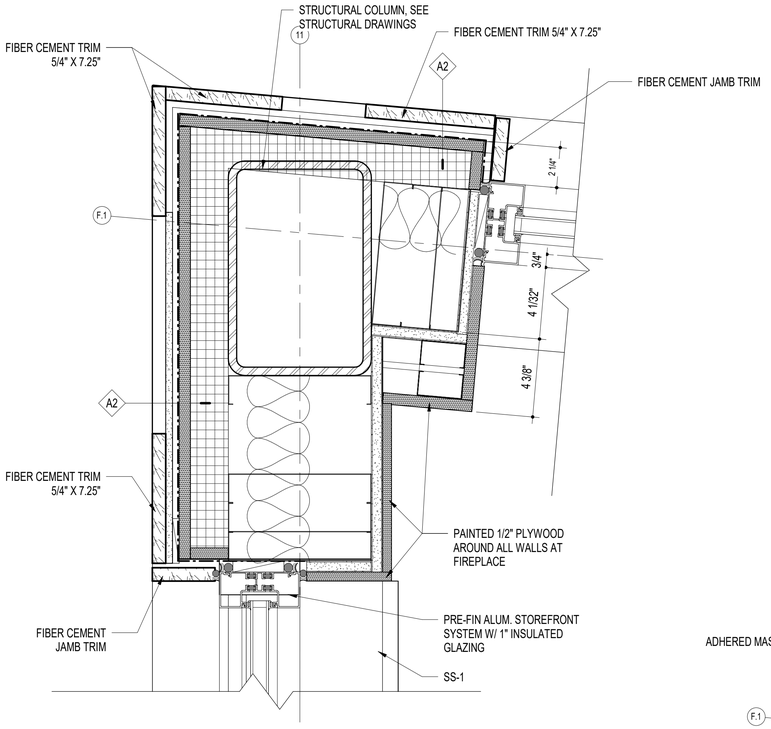
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

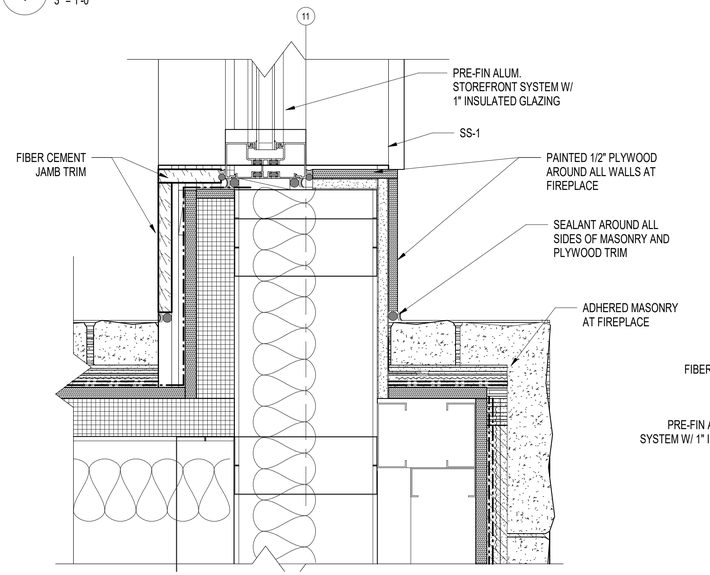
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A440	25010 PO0
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	83 OF 195
	DRAWING NUMBER
	2025 - 0300
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



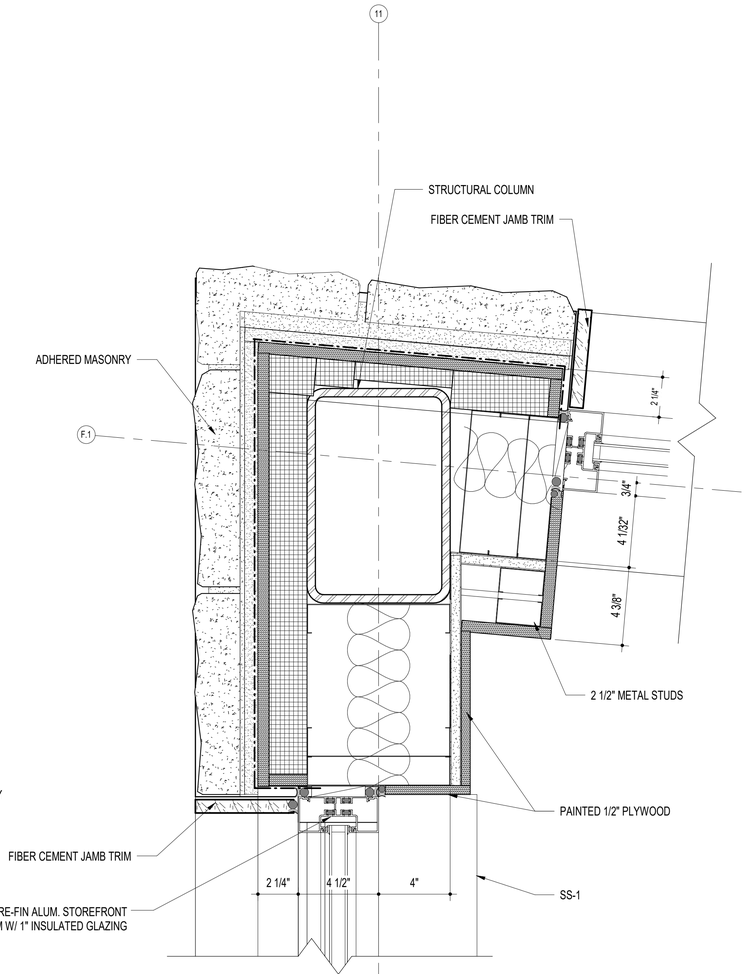
4 JAMB AT LOUNGE SF DOOR X02 - JAMB AT FIBER CEMENT

3" = 1'-0"



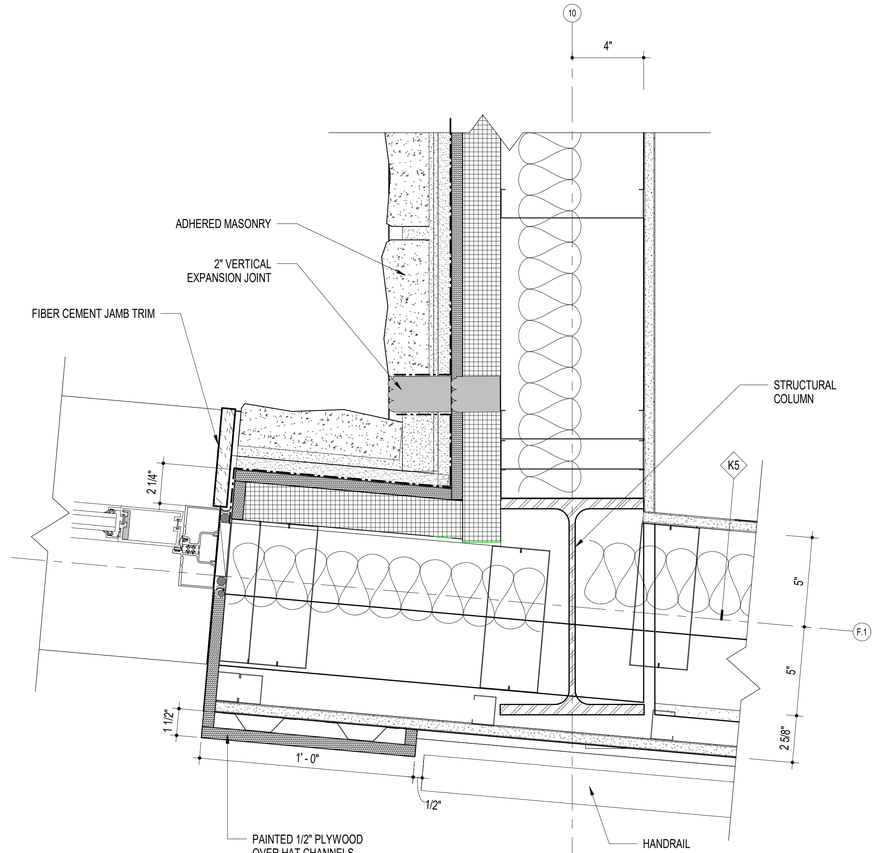
3 JAMB AT FIREPLACE

3" = 1'-0"



2 PLAN AT LOUNGE DOOR X02 - JAMB AT STONE

3" = 1'-0"



1 PLAN AT LOUNGE DOOR X02 - JAMB AT STONE CORNER

3" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

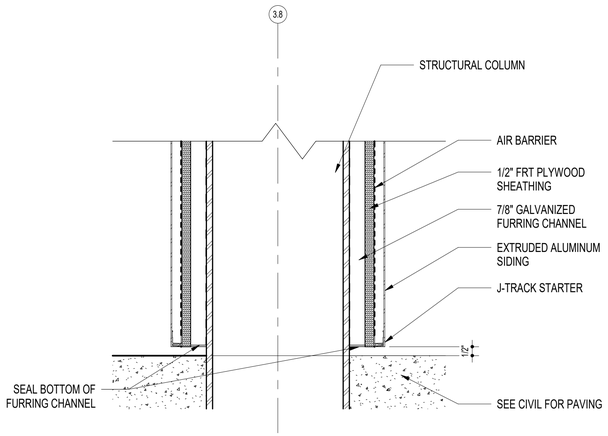
JACKSONVILLE SENIOR CENTER
PLAN DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

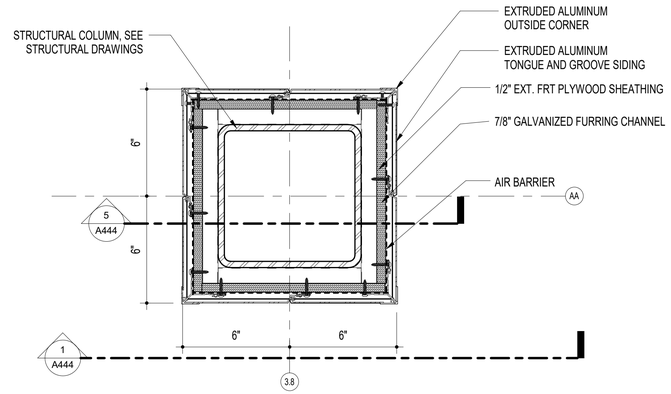
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	10-701-1861
	84 OF 195
	DRAWING NUMBER
	2025 - 0301
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

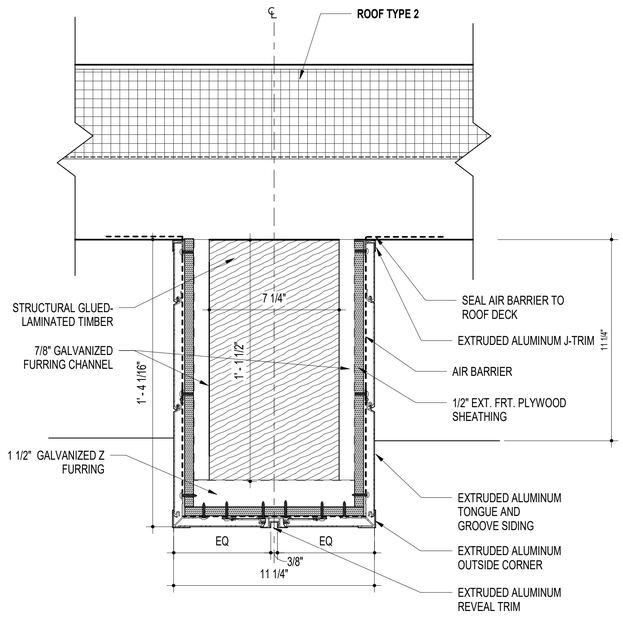
BID DOCUMENTS 5/15/2025



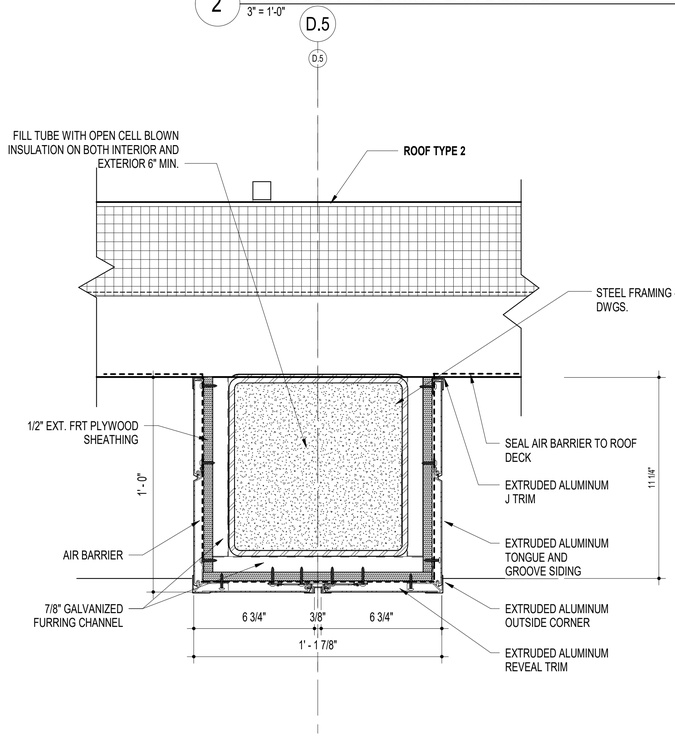
5 EXTERIOR COLUMN BASE
3" = 1'-0"



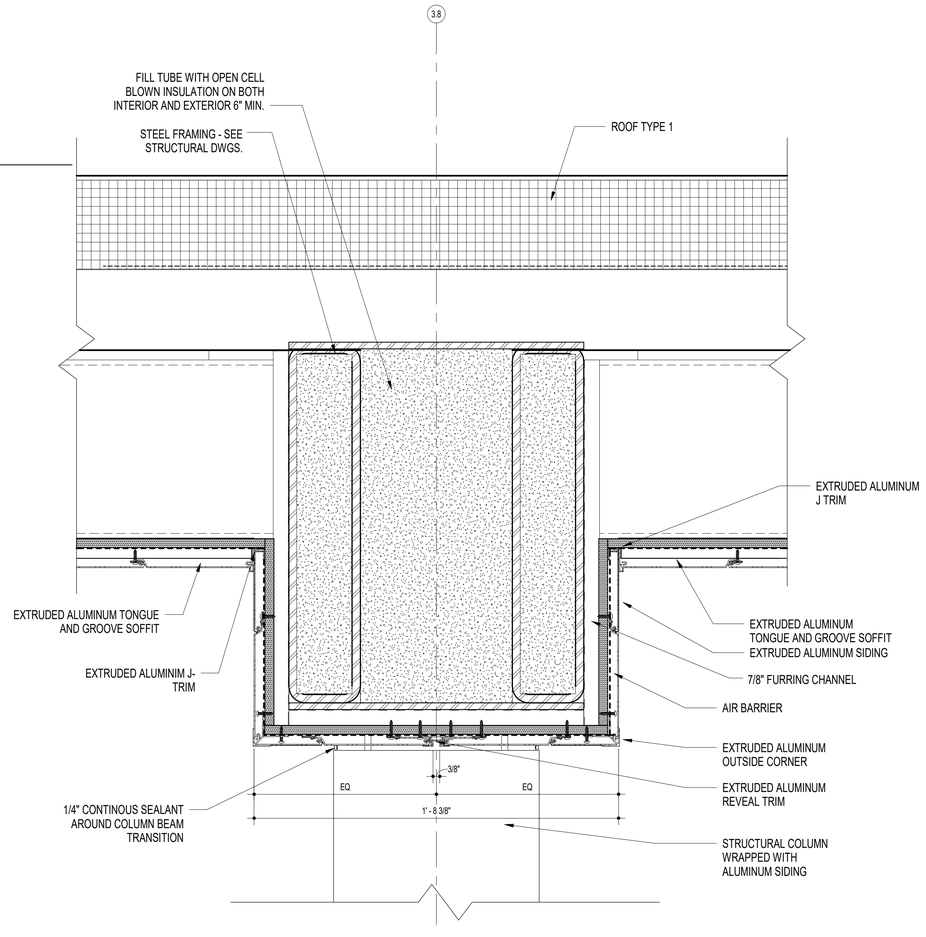
2 EXTERIOR COLUMN PLAN DETAIL
3" = 1'-0"



4 BEAM COVER AT WOOD TRUSS - LOUNGE
3" = 1'-0"



3 BEAM COVER AT STEEL TUBE @ MP
3" = 1'-0"



1 EXTERIOR COLUMN/BEAM CONNECTION
3" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN RAINS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1		1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY:
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX							PROFILE SCALE:		PROPERTY MANAGER DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:									
DATE: 5/15/2025	BY: DATE:	CHKD BY: Checker	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
EXTERIOR DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A444	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	85 OF 195
	DRAWING NUMBER
	2025 - 0302
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

ENLARGED TOILET PLAN KEY

FIXTURE / ACCESSORY CONFIGURATIONS ARE DENOTED THUS ON ENLARGED TOILET PLANS:

FXX

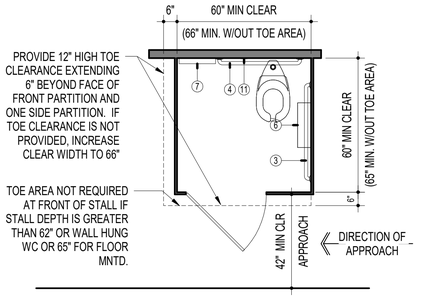
SEE FIXTURE / ACCESSORY CONFIGURATIONS ON SHEET A501 FOR ALL REQUIRED CLEARANCES, ACCESSORIES AND NOTES.

TYPICAL FIXTURE / ACCESSORY CONFIGURATIONS

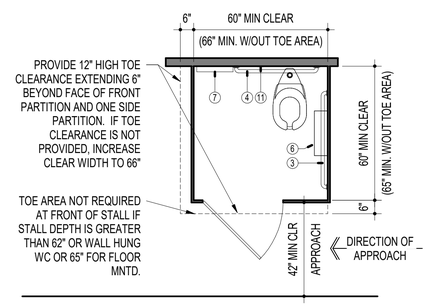
REPRESENTED BY: FXX

SCALE: 3/8" = 1'-0"

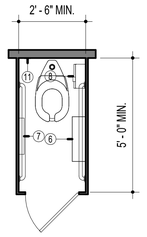
WOMEN'S



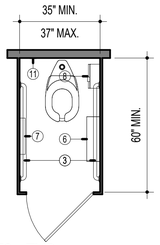
MEN'S



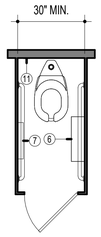
F2 - TYPICAL ADA STALL



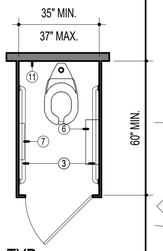
F4 - TYPICAL TOILET STALL



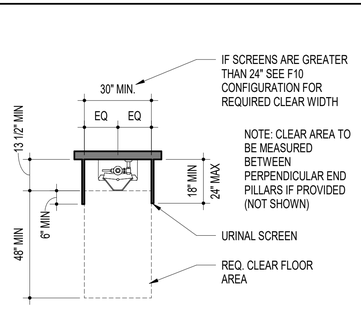
F3 - TYP. AMBULATORY STALL



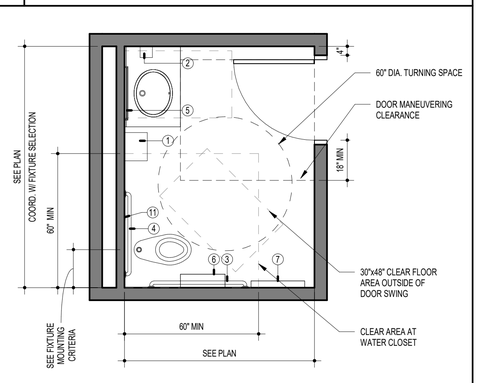
F6 - TYPICAL TOILET STALL



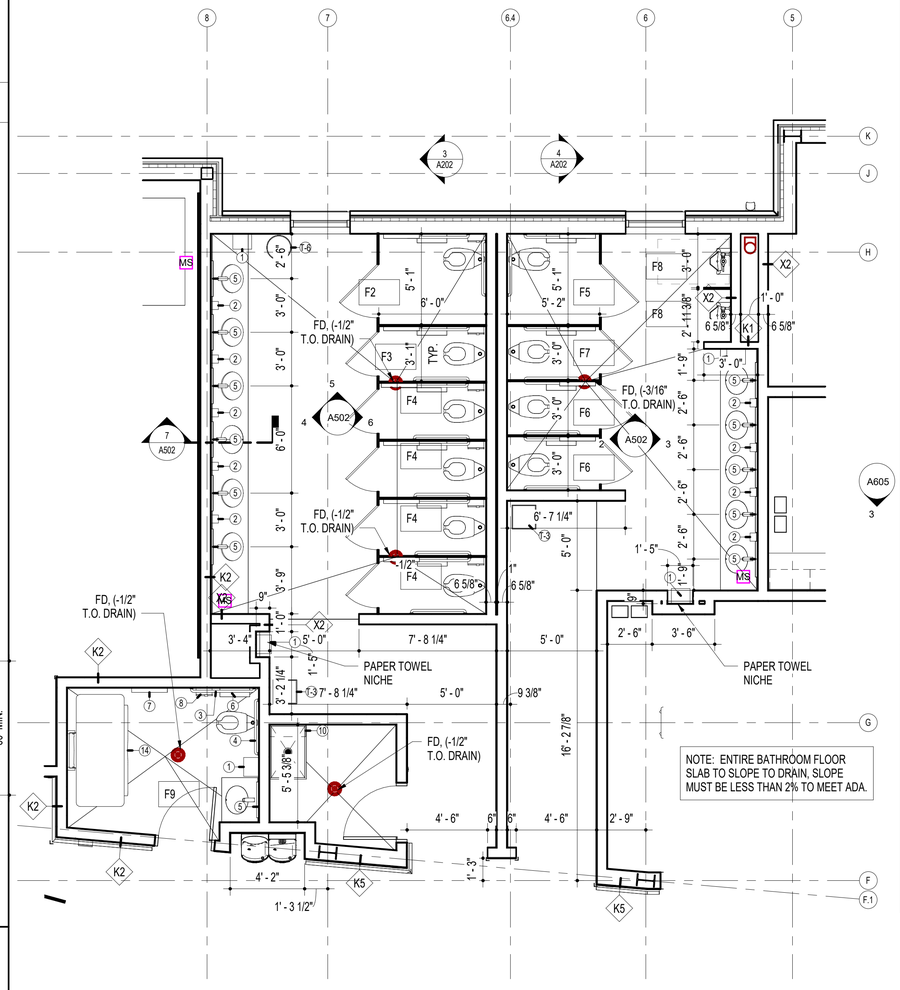
F7 - TYP. AMBULATORY STALL



F8 - TYPICAL ADA / STD URINAL



F9 - TYPICAL ADA TOILET ROOM



1 ENLARGED TOILET ROOM PLAN

1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

ITEM #	ACCESSORY DESCRIPTION	BASIS OF DESIGN
1	PAPER TOWEL DISPENSER	SCOTTS ESSENTIAL HIGH CAPACITY HARD ROLL TOWEL DISPENSER #46253
2	SOAP DISPENSER	GOJO # 9034
3	GRAB BAR - 42"	
4	GRAB BAR - 36"	
5	MIRROR 24"x36"	MIRROR WITH 2" WIDE BLACK FRAME
6	TOILET TISSUE DISPENSER	TORK TWIN JUMBO 56TR
7	TOILET SEAT COVER DISPENSER	WINCO TSC-10 - WHITE
8	SANITARY NAPKIN DISPOSAL	RUBBERMAID MODEL #6140
9	ROBE / COAT HOOK	BEHIND DOOR; ACCESSIBLE MOUNTING HEIGHT: 44" AFF, STANDARD MOUNTING: 60" AFF
10	UTILITY SHELF W/ MOP HOLDERS	
11	CALL-FOR-AID EMERGENCY PULL CORD STATION	MANUFACTURED BY AUTHENTIC PARTS, LOW VOLTAGE MODEL
14	Adjustable Height Changing Station	KOALA KARE KB3000-AHL
T-1	OFFICES TRASH CAN : 7 GAL. BLACK RECTANGULAR PLASTIC TRASH CAN	RUBBERMAID MODEL 2099591
T-2	OFFICES RECYCLE CAN: 7 GAL. RECYCLING TRASH CONTAINER, BLUE	RUBBERMAID MODEL 2099559
T-3	CLASSROOM +TOILET ROOM TRASH CAN: 23 GAL BLACK HIGHBOY WASTER CONTAINER WITH SWING OPEN LID	UNITED SOLUTION MODEL TI0032; LID MODEL TI0112
T-4	CLASSROOM RECYCLE CAN: 23 GAL HIGHBOY RECYCLING BIN WITH SWING LID, RECYCLE BLUE	UNITED SOLUTION MODEL TI0083
T-5	MP ROOM TRASH CAN: BRUTE 55 GAL. ROUND VENTED TRASH CAN WITH LID, ON WHEELS	RUBBERMAID MODEL 2076193; BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
T-7	MP ROOM RECYCLE CAN: 44 GAL. ROUND BRUTE RECYCLE CONTAINER (BLUE) ON WHEELS	RUBBERMAID MODEL RCP264307BLU; WHEELS RUBBERMAID FG264020BLA. HEAVY DUTY BRUTE DOME SWING TOP DOOR LID MODEL 1834840

FIXTURE & ACCESSORY MOUNTING CRITERIA

FIXTURE		STANDARD	ACCESSIBLE	REMARKS
WATER CLOSET - SIDE	A	15"	18 1/2"	TO TOP OF TOILET SEAT
	B	22"	25"	TO C/L OF TISSUE DISPENSING POINT
	C	-	35"	TOP OF GRAB BAR GRIPPING SURFACE
		KEY NOTES: 1) 36" GRAB BAR; 2) 42" GRAB BAR; 3) TISSUE DISPENSER; 4) SANITARY NAPKIN DISPOSAL (WHERE INDICATED ON PLANS)		
WATER CLOSET - TOP	A	SEE PLANS	17"	TO CENTERLINE OF WATER CLOSET
		KEY NOTES: 1) 36" GRAB BAR; 2) 42" GRAB BAR; 3) FLUSH VALVE ACTUATOR TO BE LOCATED ON OPEN SIDE OF WATER CLOSET; 4) WHERE WATER CLOSET IS INSTALLED WITHIN AN ACCESSIBLE COMPARTMENT, OBSERVE REQUIRED DOOR OPENING LOCATIONS AND DIMENSIONS RELATIVE TO WATER CLOSET LOCATION AS SHOWN (OPPOSITE NEAR-SIDE WALL/PARTITION); 5) PROVIDE MINIMUM 32" CLEAR DOOR OPENING MEASURED BETWEEN FACE OF DOOR AND STRIKE-SIDE JAMB FACE WITH DOOR IN 90 DEG. OPEN POSITION. REFERENCE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN		
AMBULATORY COMPARTMENT - EQ		KEY NOTES: 1) 42" GRAB BAR; 2) PROVIDE MINIMUM 32" CLEAR DOOR OPENING MEASURED BETWEEN FACE OF DOOR AND STRIKE-SIDE JAMB FACE WITH DOOR IN 90 DEG. OPEN POSITION. REFERENCE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN		

FIXTURE		STANDARD	ACCESSIBLE	REMARKS
URINAL	A	24"	15"	TO TOP OF RIM
LAVATORY	A	31"	33"	TO TOP OF RIM
	B	39"	39"	TO B.O. MIRROR REFLECTIVE SURFACE
	C	40"	40"	TO CENTERLINE OF SOAP DISPENSING POINT
PAPER TOWEL DISP. / ELEC. HAND DRYER	A	40"	40"	TO CENTERLINE OF TOWEL DISPENSING POINT
	B		40"	TO ELECTRIC EYE OF HAND DRYER OR PUSH BUTTON
WATER COOLER	A	42"	35"	TO SPOUT OUTLET

FIXTURE AND ACCESSORY CONFIGURATION NOTES:

1. ORIENTATION / HANDING MAY VARY. SEE ENLARGED TOILET ROOM PLANS FOR SPECIFIC CONFIGURATIONS.
2. SEE FIXTURE AND ACCESSORY MOUNTING CRITERIA CHART THIS SHEET FOR ADDITIONAL DIMENSIONS AND INFORMATION.
3. SEE ENLARGED TOILET ROOM PLANS FOR ADDITIONAL DIMENSIONS, WALL TYPES AND ADDITIONAL ACCESSORIES NOT INDICATED ON THESE TYPICAL CONFIGURATIONS.
4. CLEAR DIMENSIONS ARE TO FACE OF FINISH WALL INCLUDING ALL APPLIED FINISH MATERIALS.

TYPICAL TOILET ROOM NOTES

1. ALL ACCESSORIES ARE SURFACE MOUNTED UNLESS NOTED OTHERWISE.
2. PROVIDE 1 PAPER TOWEL DISPENSER AND SOAP DISPENSER (ITEMS 1 & 2) AT EACH SINK LOCATION THROUGHOUT THE BUILDING, UNLESS NOTED OTHERWISE.
3. NO SUBSTITUTIONS WILL BE PERMITTED FOR TOILET ACCESSORIES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER.
4. PROVIDE UTILITY SHELF W/ MOP HOLDER (ITEM 10) IN ALL SERVICE CLOSETS.
5. LOCATE SANITARY NAPKIN DISPOSAL UNITS 2'-0" O.C. FROM ADJACENT WALL AND 2'-0" A.F.F. TO THE TOP OF THE UNIT. LOCATE AT ALL WOMEN'S TOILET.
6. ALL GRAB BAR MOUNTING TO COMPLY W/ ADA REQUIREMENTS.
7. CENTERLINES OF ALL TOILETS IN STALLS TO BE EQUAL DISTANT BETWEEN PARTITIONS UNLESS DIMENSIONED OR NOTED OTHERWISE.
8. WHERE TOILET ACCESSORIES FALL PARTIALLY ON THE CERAMIC TILE EITHER OMIT THE TILE UNDER THE ACCESSORY FOR A FLUSH FIT OR PROVIDE CONTINUOUS WOOD BLOCKING.
9. REFER TO PLUMBING PLANS FOR FLOOR DRAIN LOCATIONS.
10. REFER TO PLUMBING PLANS AND SCHEDULE FOR TOILET FIXTURE TYPES AND LOCATIONS.
11. PROVIDE COAT / ROBE HOOKS ON ALL TOILET STALL DOORS AND SINGLE USER TOILET ROOM DOORS.
12. ALL TOILET ROOM STALLS TO RECEIVE CALL-FOR-AID EMERGENCY PULL CORD STATION (ITEM 11)
13. PROVIDE SIGNAGE INSIDE EACH STALL: 8.5" X 11" DURABLE DURAFRAME SIGN HOLDER.

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

PROPERTY MANAGER: APPROVED BY: DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TYPICAL TOILET ROOM PLANS AND ACCESSIBILITY DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A501	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	86 OF 195
	DRAWING NUMBER
	2025 - 0303
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

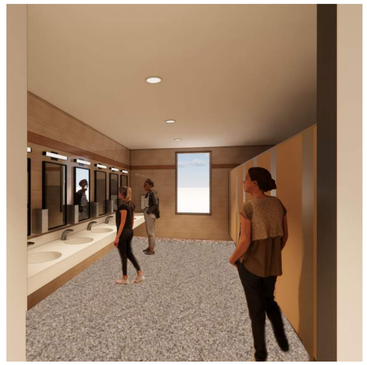
ENLARGED TOILET PLAN KEY

FIXTURE / ACCESSORY CONFIGURATIONS ARE DENOTED THUS ON ENLARGED TOILET PLANS:

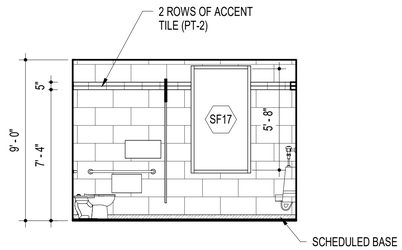
SEE FIXTURE / ACCESSORY CONFIGURATIONS ON SHEET A501 FOR ALL REQUIRED CLEARANCES, ACCESSORIES AND NOTES.



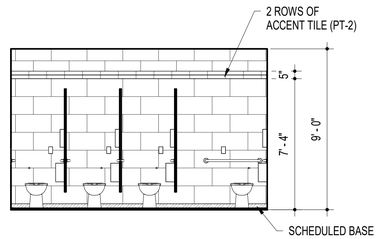
8 BATHROOM RENDERING 1
1/2" = 1'-0"



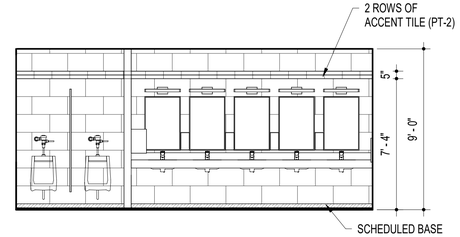
9 BATHROOM RENDERING 2
1/2" = 1'-0"



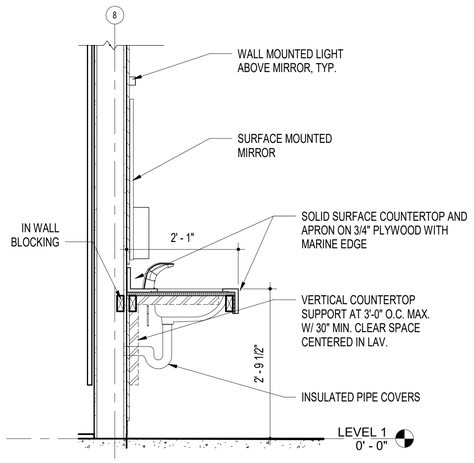
1 MEN'S TOILET ROOM - WINDOW VIEW
1/4" = 1'-0"



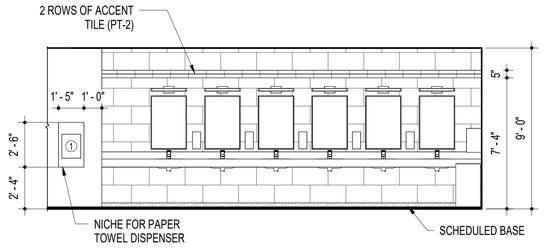
2 MEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"



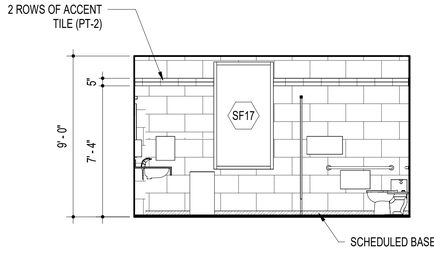
3 MEN'S VANITY ELEVATION
1/4" = 1'-0"



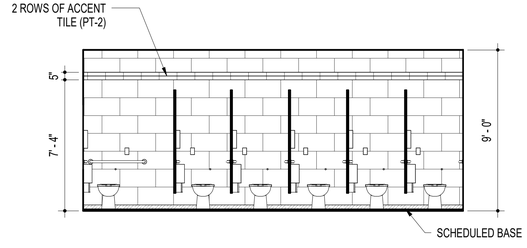
7 WOMEN'S VANITY SECTION
3/4" = 1'-0"



4 WOMEN'S VANITY ELEVATION
1/4" = 1'-0"



5 WOMEN'S TOILET ROOM - WINDOW VIEW
1/4" = 1'-0"



6 WOMEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
						PROFILE SCALE:		DATE:
CONTRACT COMPLETION BOX								

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

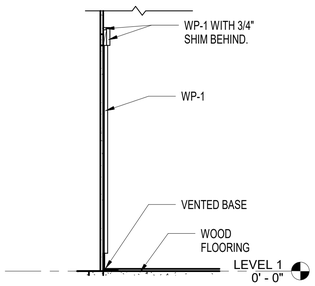
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

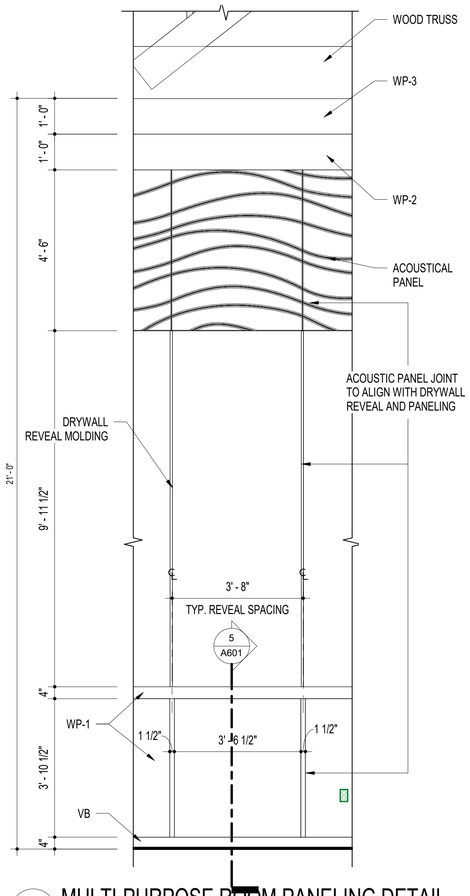
JACKSONVILLE SENIOR CENTER
ENLARGED TOILET ROOM PLANS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A502	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	87 OF 195
	DRAWING NUMBER
	2025 - 0304
	FILE NO.: 8

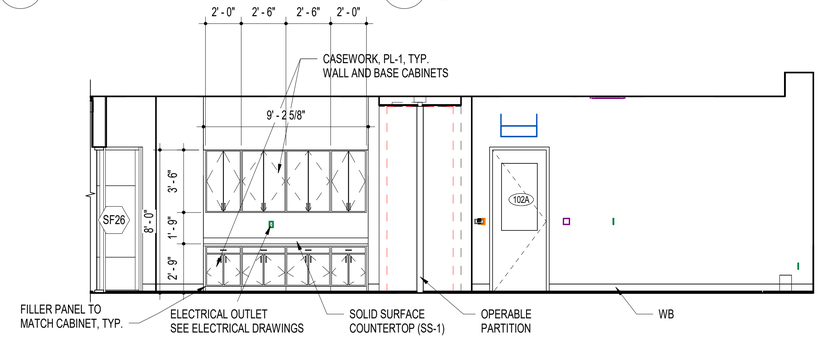
BALTIMORE COUNTY MARYLAND



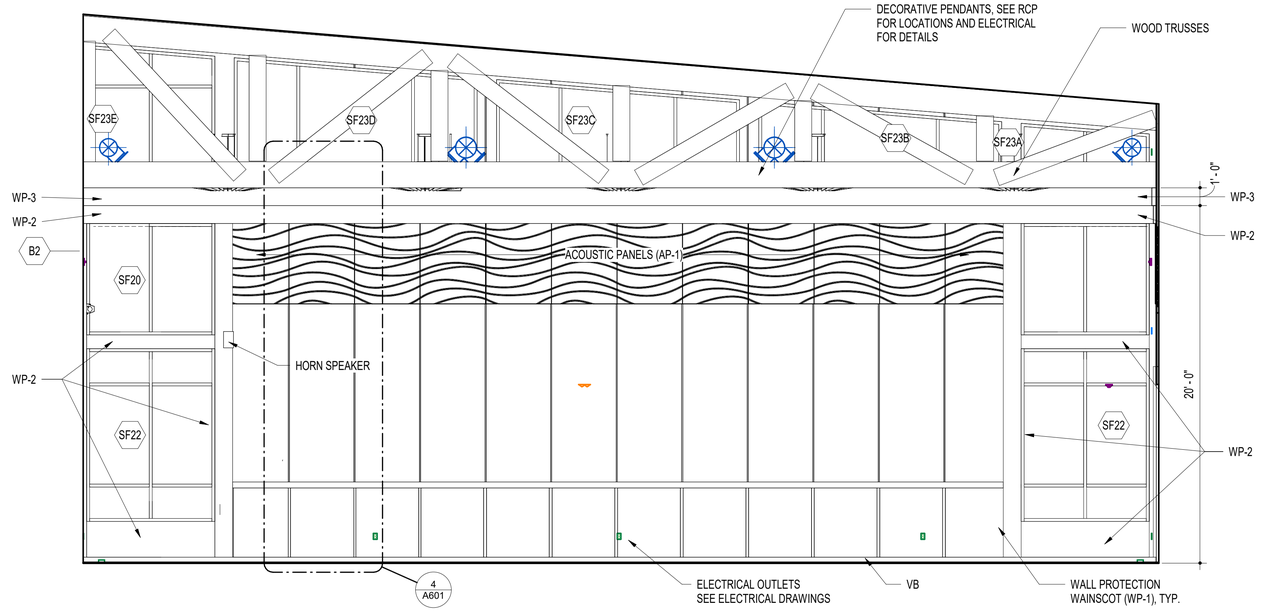


5 SECTION AT MP PANELING
3/4" = 1'-0"

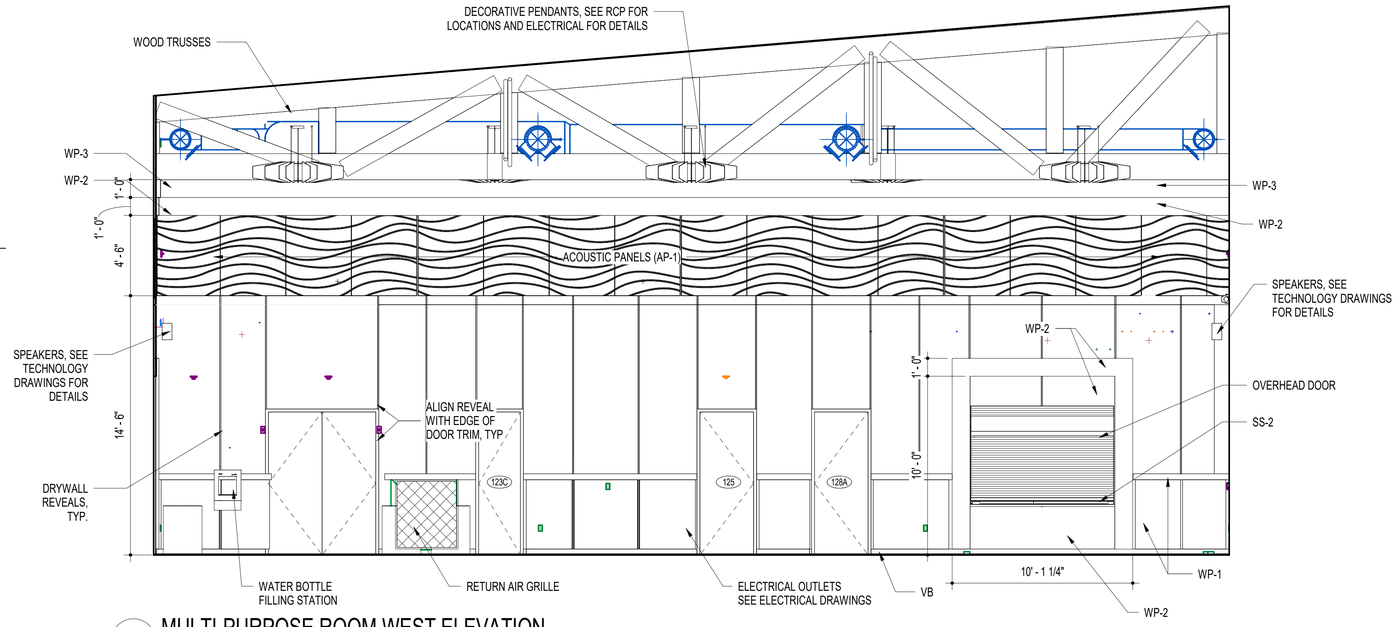
4 MULTI-PURPOSE ROOM PANELING DETAIL
1/2" = 1'-0"



2 CLASSROOM NORTH ELEVATION
1/4" = 1'-0"



3 MULTI-PURPOSE ROOM EAST ELEVATION
1/4" = 1'-0"



1 MULTI-PURPOSE ROOM WEST ELEVATION
1/4" = 1'-0"

DWG FILENAME

SEAL

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

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BY:

DATE:

DATE: 5/15/2025

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AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

INTERIOR ELEVATIONS

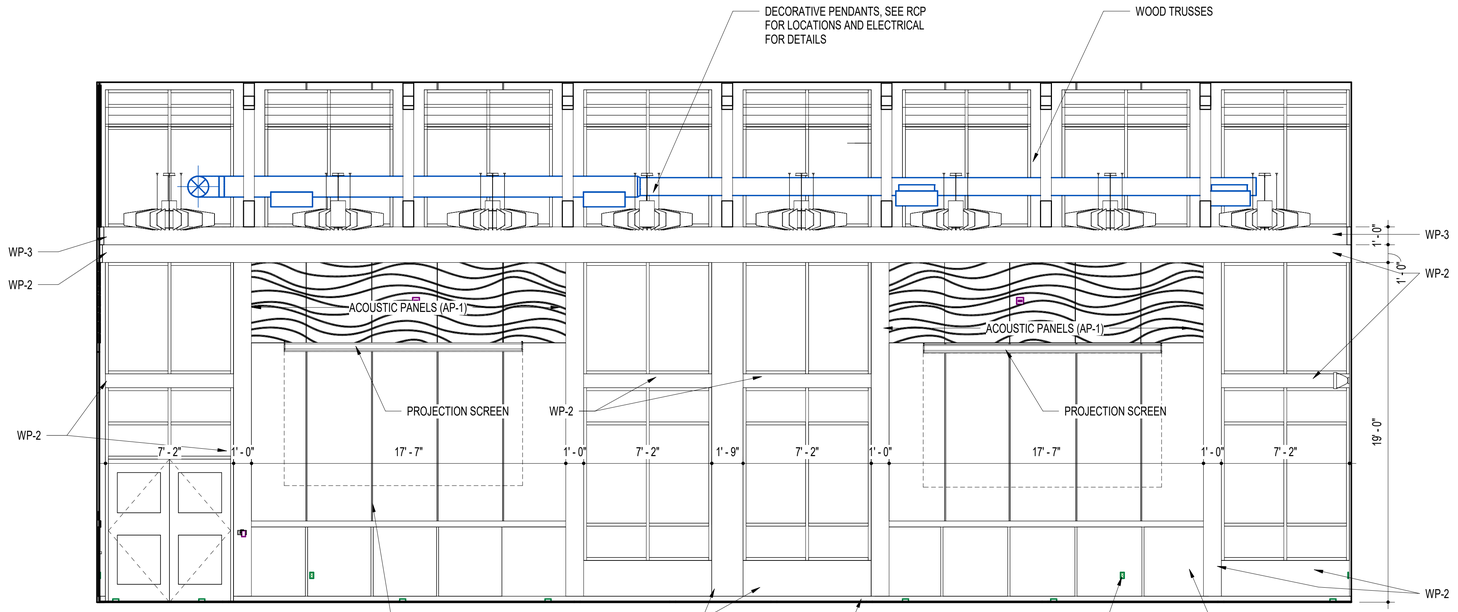
BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

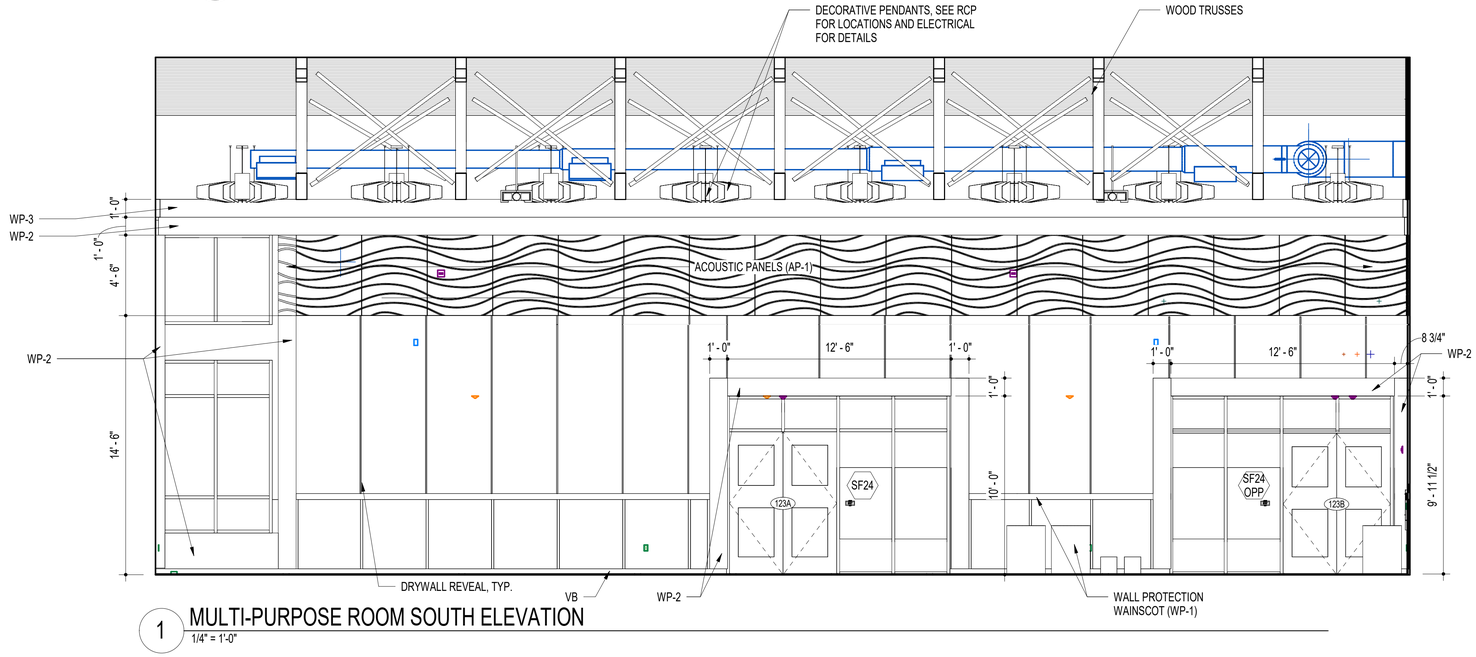
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A601	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	88 OF 195
	DRAWING NUMBER
	2025 - 0305
	FILE NO.: 8



2 MULTI-PURPOSE ROOM NORTH ELEVATION
1/4" = 1'-0"



1 MULTI-PURPOSE ROOM SOUTH ELEVATION
1/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
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LICENSE NO. 16221 , EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: G+P	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: G+P	REVIEWED BY:								
BY: DATE:	CHKD BY: G+P	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
INTERIOR ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

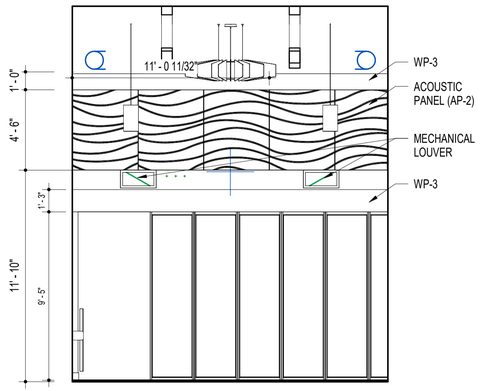
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

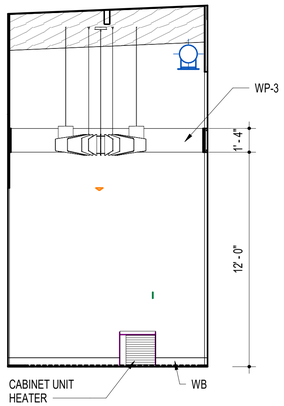
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	10-701-1861
	89 OF 195
	DRAWING NUMBER
	2025 - 0306
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

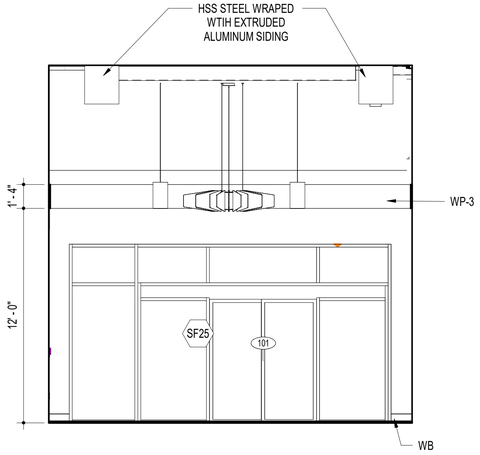
BID DOCUMENTS 5/15/2025



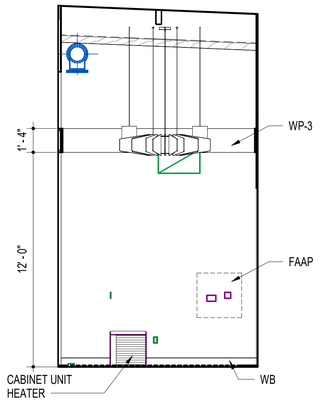
8 NORTH LOUNGE WALL
1/4" = 1'-0"



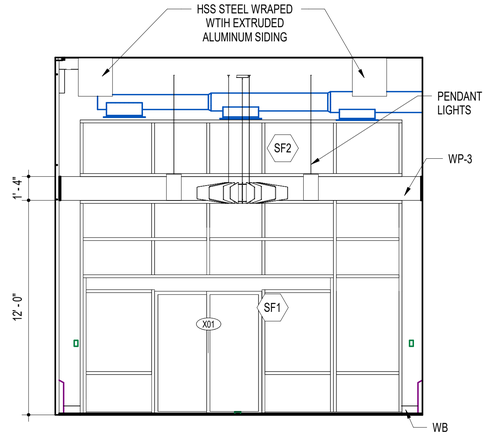
7 VESTIBULE - NORTH WALL
1/4" = 1'-0"



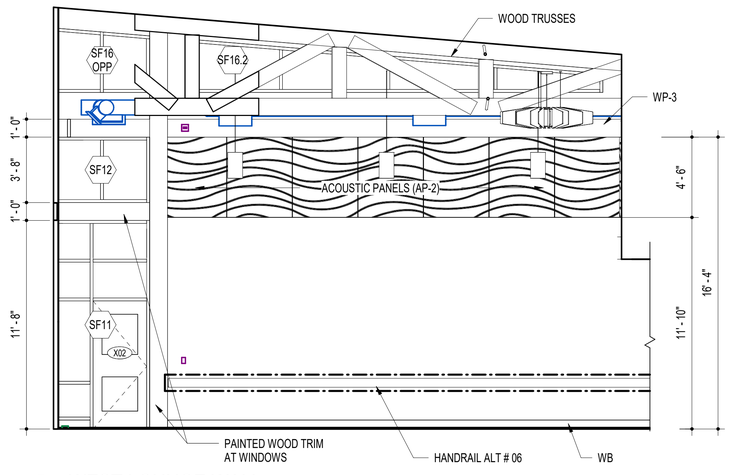
6 VESTIBULE - WEST WALL
1/4" = 1'-0"



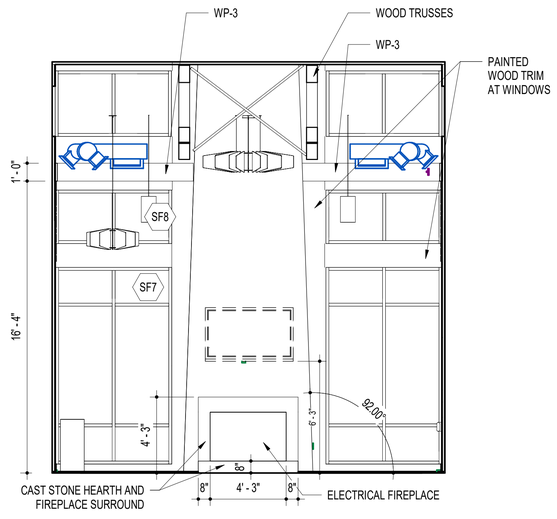
5 VESTIBULE - SOUTH WALL
1/4" = 1'-0"



4 VESTIBULE - EAST WALL
1/4" = 1'-0"

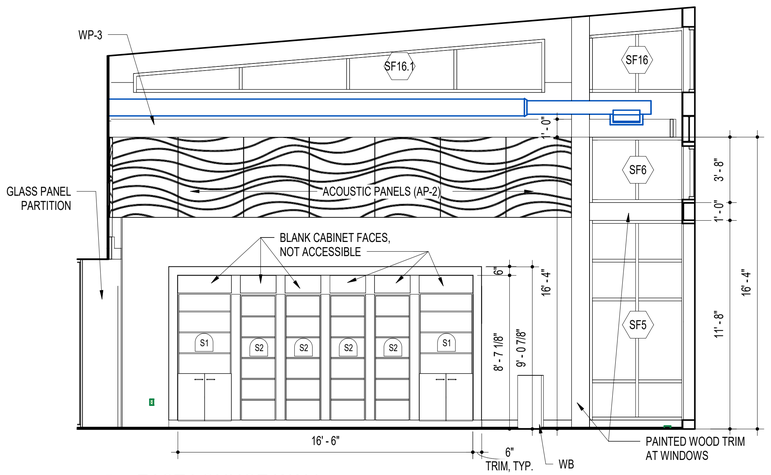


3 WEST LOUNGE WALL
1/4" = 1'-0"



2 INTERIOR ELEVATION - SOUTH LOUNGE WALL
1/4" = 1'-0"

SEE PAGE A605 FOR ALTERNATE # 03



1 EAST LOUNGE WALL
1/4" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND SUSAN HAINS No. 16221 ARCHITECT
DATE: 5/15/2025

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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026
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AS–BUILT PER RECORD PRINT
BY:
DATE:
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AS–BUILT / REVISION | BY | DATE | P.W.A NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT
PERMIT REVISIONS # 1 | 1 | 3/19/25 | | UNE | 78NE11 78NE12 98NE11 79NE12 | PLAN SCALE: PER PLAN | APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX | | | | | | PROFILE SCALE: | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER
REVIEWED BY:
DATE REVIEWED:

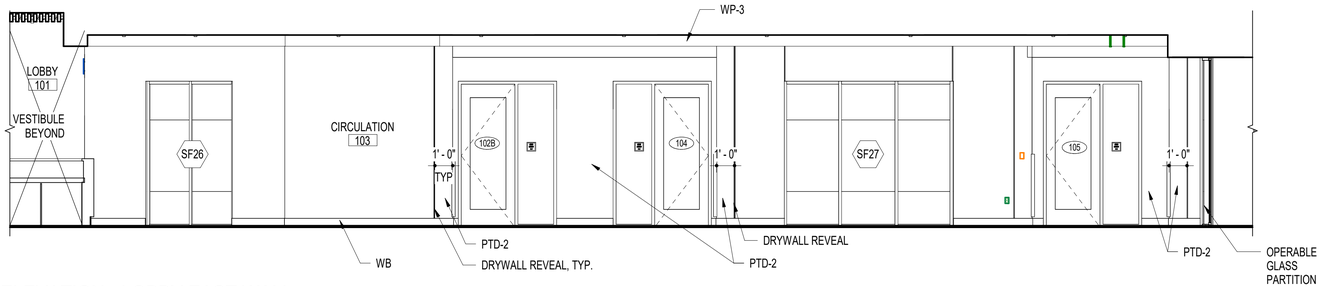
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
INTERIOR ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

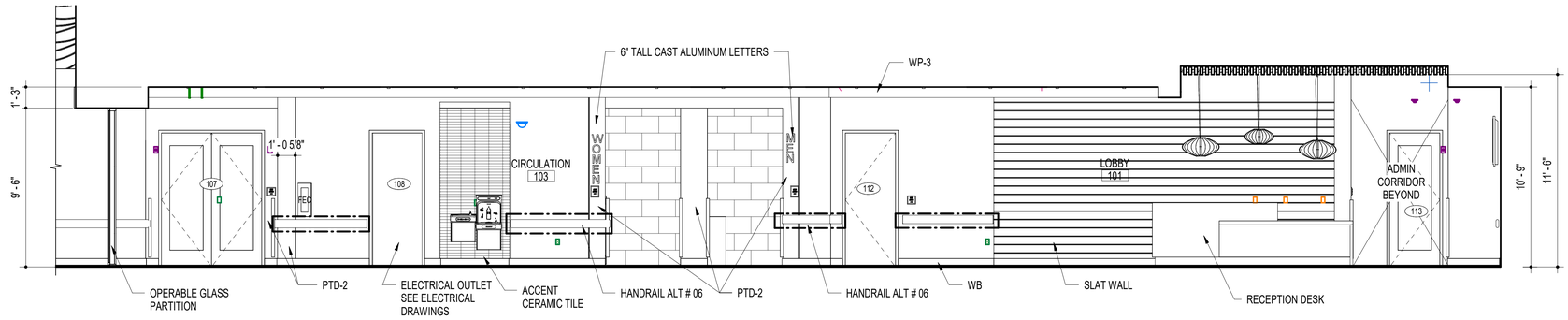
SHEET DESIGNATION	CONTRACT NUMBER
A603	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	90 OF 195
	DRAWING NUMBER
	2025 - 0307
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



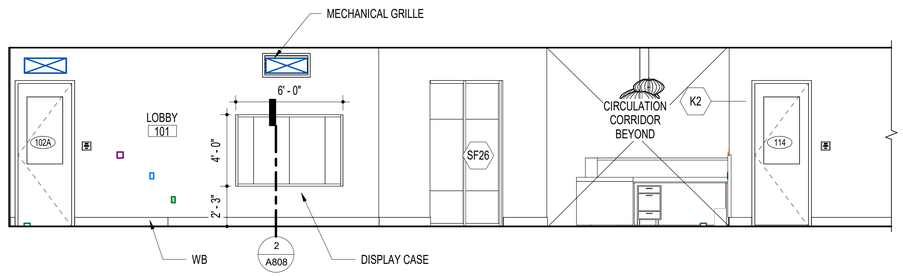
4 INTERIOR ELEVATION - LOBBY EAST WALL

1/4" = 1'-0"



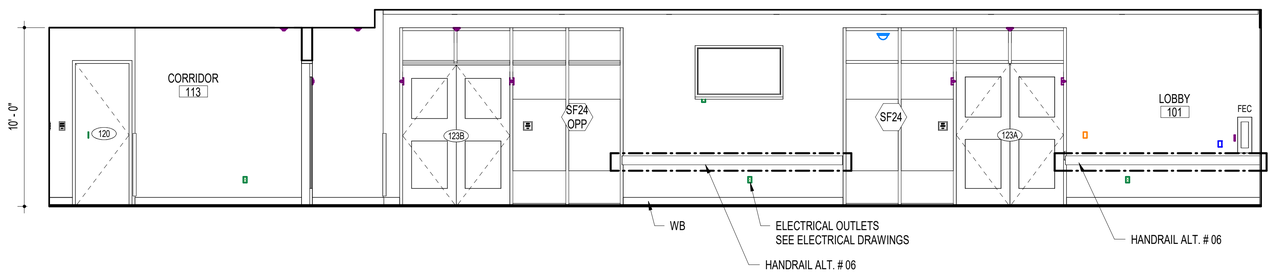
3 INTERIOR ELEVATION - LOBBY WEST WALL

1/4" = 1'-0"



2 LOBBY - SOUTH WALL

1/4" = 1'-0"



1 LOBBY - NORTH WALL

1/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

INTERIOR ELEVATIONS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

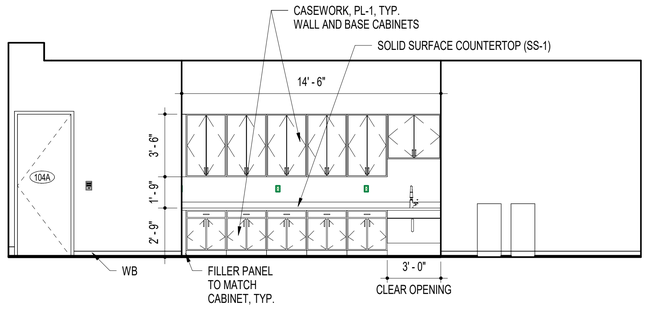
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	91 OF 195
	DRAWING NUMBER
	2025 - 0308
	FILE NO.: 8

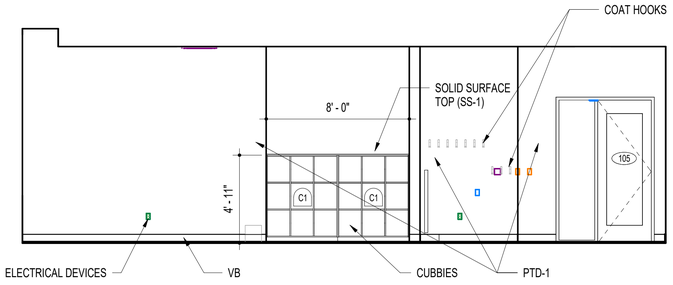
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025



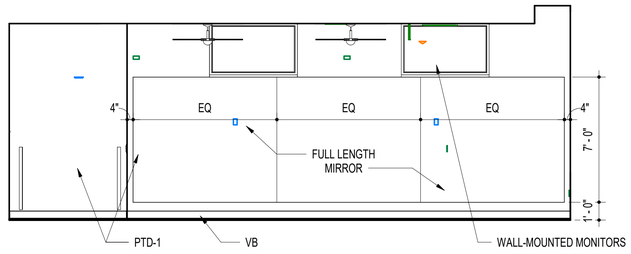
7 ARTS & CRAFT SOUTH ELEVATION

1/4" = 1'-0"



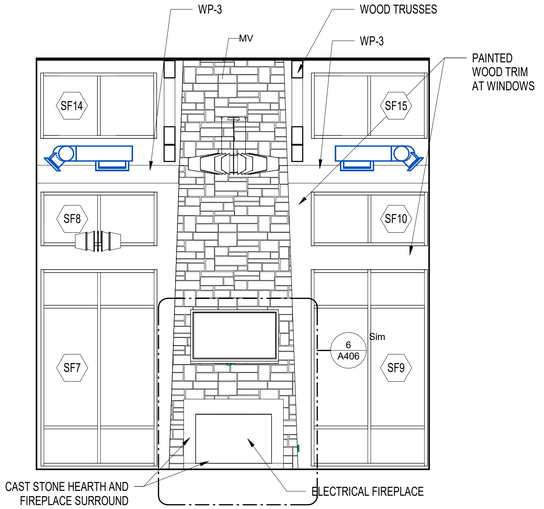
6 YOGA/DANCE WEST WALL

1/4" = 1'-0"



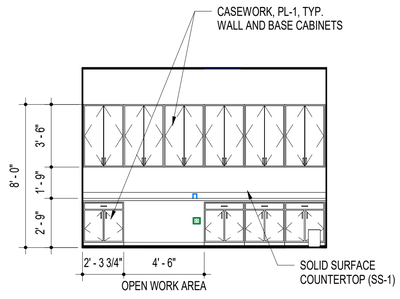
5 YOGA/DANCE NORTH WALL

1/4" = 1'-0"



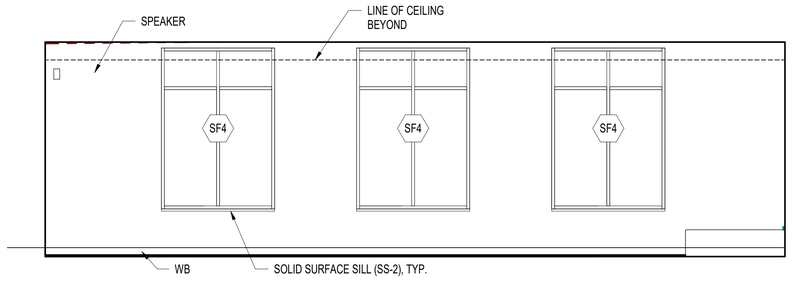
4 ALTERNATE # 03 - FIREPLACE STONE VENEER

1/4" = 1'-0"



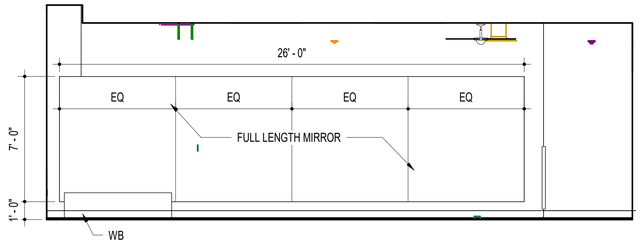
3 WORKROOM CASEWORK ELEVATION

1/4" = 1'-0"



2 FITNESS ROOM - WEST WALL

1/4" = 1'-0"



1 FITNESS ROOM - NORTH WALL

1/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAHN · No. 16221 · ARCHITECT

DATE: 5/15/2025

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ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

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BY:
DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:		APPROVED BY: PROPERTY MANAGER DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
INTERIOR ELEVATIONS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A605	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	92 OF 195
	DRAWING NUMBER
	2025 - 0309
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 REFLECTIVE CEILING PLAN
1/8" = 1'-0"

0 4' 8' 16'

RCP NOTES

(APPLY TO 700 SERIES SHEETS)

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. **TYPICAL CEILING HEIGHT TO BE 11'-0" UNLESS OTHERWISE INDICATED ON REFLECTED CEILING PLANS. TOILETS AND STORAGE ROOMS TO BE 9'-0".**
2. REFER TO ELECTRICAL DRAWINGS FOR LIGHT PATTERN AND EXIT LIGHT LOCATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO SHOP DRAWINGS.
3. ALL WALLS SHOWN EXTEND TO THE STRUCTURAL DECK (SEE WALL TYPES). CORRIDOR CHASE WALLS AND LOCKER WING WALLS TO EXTEND 4" MINIMUM ABOVE THE CEILING.
4. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ITEMS NOT SHOWN ON CEILING PLAN. GRILLES, SPEAKERS, SPRINKLERS, HEAT & SMOKE DETECTORS, TO BE CENTERED IN TILES UNLESS NOTED OTHERWISE.
5. ALL BULKHEAD DIMENSIONS ARE FROM FINISH FACE OF WALL OR BULKHEAD TO FINISH FACE OF BULKHEAD.
6. PROVIDE 1/2" REVEALS BETWEEN DISSIMILAR MATERIALS ON THE SAME PLANE AT THE CEILINGS.
7. PROVIDE 3/8" REVEAL TRIM AT CEILING PERIMETER, TYPICAL.
8. IN AREAS OF EXPOSED CEILINGS, PAINT EXPOSED STRUCTURE, UNDERSIDE OF DECK, SPRINKLER PIPING, CONDUIT AND ALL MISCELLANEOUS OVERHEAD ITEMS, COLORS TO BE SELECTED BY ARCHITECT.
9. IN AREAS WITH EXPOSED CEILING, WHEREVER POSSIBLE, ALL EXPOSED CONDUIT, PIPING AND OTHER SIMILAR ELEMENTS TO BE INSTALLED TIGHT TO DECK AND ALONG STRUCTURAL MEMBERS WITH 90-DEGREE TURNS.

RCP LEGEND

- GYPSUM BOARD CEILING
- 2X4 CEILING SYSTEM. SEE FINISH SCHEDULE
- 2X2 CEILING SYSTEM. SEE FINISH SCHEDULE
- EXTRUDED ALUMINIM SOFFIT
- 2X4 FIBERGLASS ACOUSTIC PANELS IN KITCHEN
- WOOD PANEL CEILING SYSTEM
- ACOUSTICAL METAL DECK PANELS
- EXTERIOR NON-ACOUSTIC METAL DECK PANELS

NOTE: SPOT ELEVATION SUFFIX "C.H." INDICATES FLAT CEILING HEIGHT ABOVE FINISH FLOOR. SUFFIX "L.P." AND "H.P." INDICATE LOW POINT AND HIGH POINT OF SLOPED CEILING. WHERE ADJACENT, TRANSITION BETWEEN FLAT AND SLOPED CEILINGS SHALL UTILIZE APPROVED PRE-FINISHED ALUMINUM TRANSITION STRIP. REFER TO SPECIFICATIONS.

- RECESSED DOWNLIGHT
- 2'X2' RECESSED LIGHT FIXTURE
- 1'X4' RECESSED LIGHT FIXTURE
- 2'X4' RECESSED LIGHT FIXTURE
- PENDANT LIGHT
- SUPPLY DIFFUSER, REGISTER, OR GRILL
- RETURN DIFFUSER, REGISTER, OR GRILL
- CEILING FAN

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
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LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: Author	REVIEWED BY:								
BY: DATE:	CHKD BY: Checker	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
REFLECTED CEILING PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

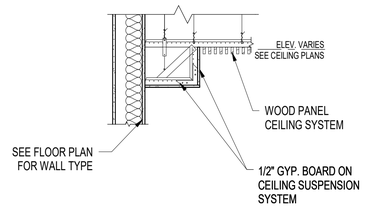
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	93 OF 195
	DRAWING NUMBER
	2025 - 0310
	FILE NO.: 8

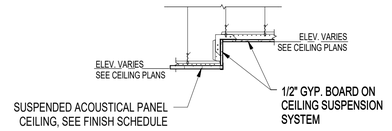
BALTIMORE COUNTY MARYLAND

SCALE: 3/4"= 1' - 0"

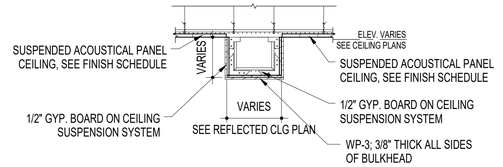
0 6" 1' 2' 3'



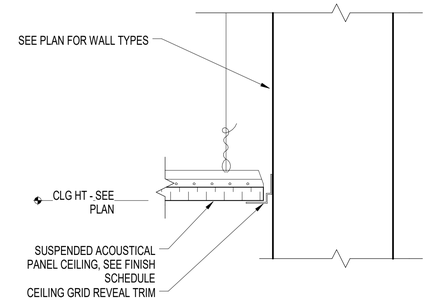
7 BULKHEAD AT WOOD PANEL CEILING
3/4" = 1'-0"



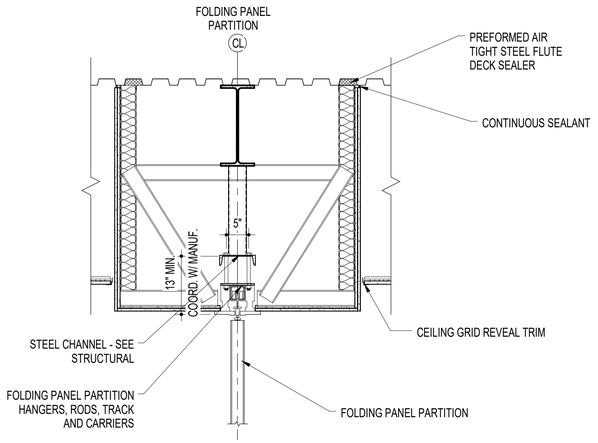
5 TYPICAL BULKHEAD DETAIL
3/4" = 1'-0"



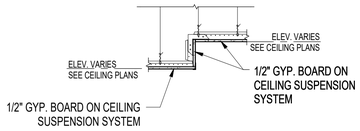
3 CORRIDOR BULKHEAD DETAIL
3/4" = 1'-0"



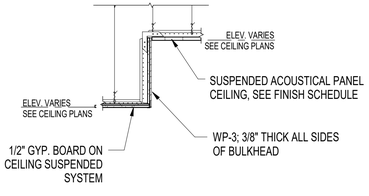
6 CEILING EDGE REVEAL DETAIL
3" = 1'-0"



4 DETAIL - FOLDING PARTITION
3/4" = 1'-0"



2 BULKHEAD DETAIL @ TOILET ROOM
3/4" = 1'-0"



1 TYPICAL BULKHEAD DETAIL
3/4" = 1'-0"

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STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

DRAWING SCALE

PLAN SCALE: PER PLAN

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

CEILING DETAILS

BID DOCUMENTS 5/15/2025

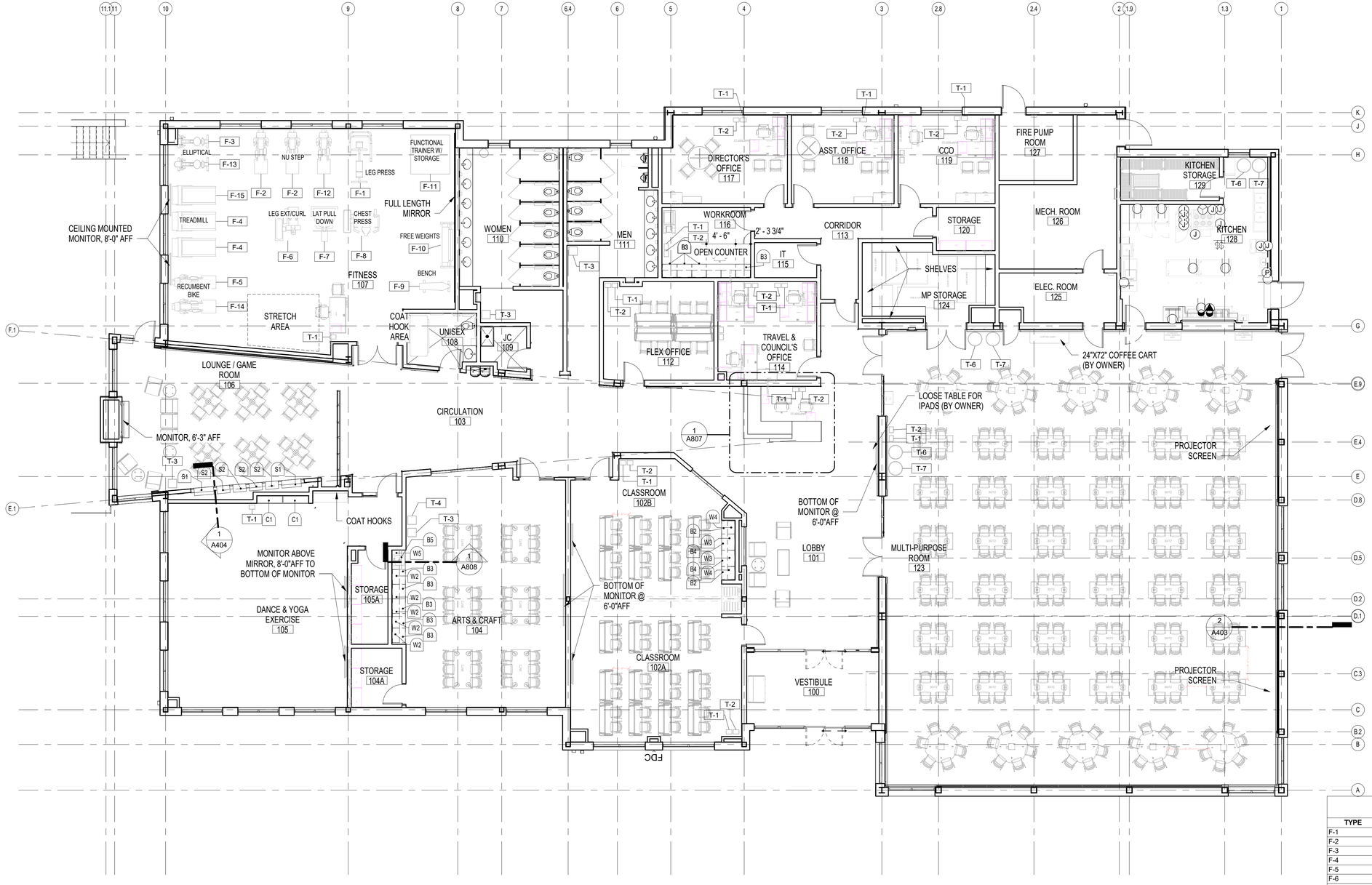
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A702	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	94 OF 195
	DRAWING NUMBER
	2025 - 0311
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 FURNITURE PLAN
1/8" = 1'-0"

FURNISHING AND EQUIPMENT NOTES

NOTE: NOT ALL ITEMS INDICATED ON SCHEDULE ARE REPRESENTED IN THIS PROJECT.

1. **ALL LOOSE FURNITURE, FITNESS EQUIPMENT IN OWNER SCOPE**
2. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
3. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
4. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
5. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
6. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
7. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP, FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
8. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
9. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
10. WHERE CASEWORK MEETS A WALL AT ONE OR BOTH ENDS AND JOINT BETWEEN CASEWORK AND WALL EXCEEDS 3/16", PROVIDE FILLER PANEL(S) SCRIBED TO WALL. PROVIDE SEALANT AT JOINTS 3/16" OR LESS INCLUDING BETWEEN FILLER PANEL AND WALL.
11. ALL COUNTERTOP CORNERS TO BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
12. PROVIDE ADEQUATE BLOCKING IN STUD WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
13. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
14. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.

FURNISHING SCHEDULE

Type Mark	DESCRIPTION	SIZE (INCHES) W	D	H	MANUF.
B2	BASE CABINET	24	24	32	STEVENS 10430
B3	BASE CABINET	27	24	32	STEVENS 10430
B4	BASE CABINET	30	24	32	STEVENS 10430
B5	ADA SINK BASE	36	24	22	STEVENS 10570
C1	CUBBY STORAGE	48	14	59	STEVENS 25226
S1	TALL CABINET	36	14	90	STEVENS 25128
S2	BOOKCASE, TALL	24	14	90	STEVENS 25101
W2	WALL CABINET	27	14	42	STEVENS 15129
W3	WALL CABINET	30	14	42	STEVENS 15129
W4	WALL CABINET	24	14	42	STEVENS 15129
W5	WALL CABINET	36	14	30	STEVENS 15129

SEE FINISH SCHEDULE FOR FINISHES

TRASH CAN SCHEDULE

Type Mark	Description	Count	Model
T-1	OFFICES TRASH CAN : 7 GAL. BLACK RECTANGULAR PLASTIC TRASH CAN	17	RUBBERMAID MODEL 2099591
T-2	OFFICES RECYCLE CAN: 7 GAL. RECYCLING TRASH CONTAINER, BLUE	11	RUBBERMAID MODEL 2099559
T-3	CLASSROOM +TOILET ROOM TRASH CAN: 23 GAL BLACK HIGHBOY WASTER CONTAINER WITH SWING OPEN LID	4	UNITED SOLUTION MODEL TI0032; LID MODEL TI0112
T-4	CLASSROOM RECYCLE CAN: 23 GAL HIGHBOY RECYCLING BIN WITH SWING LID, RECYCLE BLUE	1	UNITED SOLUTION MODEL TI0083
T-6	MP ROOM TRASH CAN: BRUTE 55 GAL. ROUND VENTED TRASH CAN WITH LID. ON WHEELS	4	RUBBERMAID MODEL 2076193; WHEELS RUBBERMAID FG264020BLA
T-7	MP ROOM RECYCLE CAN: 44 GAL. ROUND BRUTE RECYCLE CONTAINER (BLUE) ON WHEELS	3	RUBBERMAID MODEL RCP264307BLU; WHEELS RUBBERMAID FG264020BLA; HEAVY DUTY BRUTE DOME SWING TOP DOOR LID MODEL 1834840

ADD ALT. 11 - FURNISH AND INSTALL FITNESS EQUIPMENT.

FITNESS EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	Count	MODEL NUMBER
F-1	MX GO LEG PRESS	1	GO-AB
F-2	EXISTING NU STEP	2	
F-3	EXISTING MX ENDURANCE SUSPENSION ELLIPTICAL	1	
F-4	EXISTING MX ENDURANCE TREADMILL	2	
F-5	EXISTING ENDURANCE RECUMBENT BIKE	1	
F-6	EXISTING MX VERSA DUAL LEG EXT./LEG CURL	1	
F-7	EXISTING MX VERSA DUAL LAT PULL DOWN/ROW	1	
F-8	EXISTING MX VERSA CHEST PRESS	1	
F-9	GO - MULTI ADJUSTABLE BENCH	1	GO-AB
F-10	DUMBBELL SET	1	XT-F-50URE-HEX-P
F-11	MX VERSA FUNCTIONAL TRAINER 18" STORAGE	1	VS-VFT-03
F-12	NU STEP	1	T4R
F-13	MX ENDURANCE SUSPENSION ELLIPTICAL	1	E-ES-LED
F-14	MX ENDURANCE RECUMBENT BIKE	1	R-ES-LED
F-15	MX. ENDURANCE TREADMILL	1	T-ES-LED

DWG FILENAME

SEAL: STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:		APPROVED BY: PROPERTY MANAGER DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

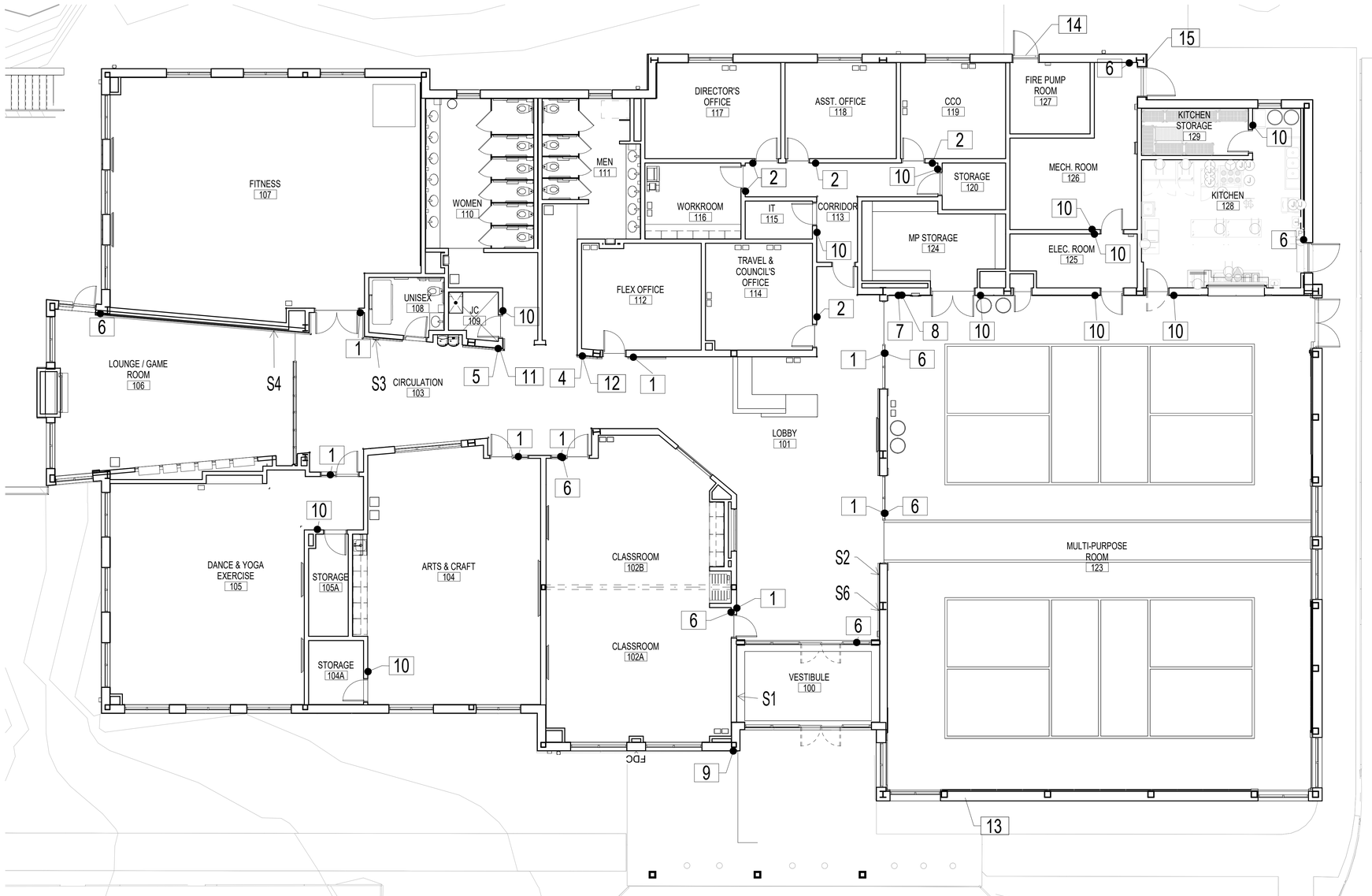
JACKSONVILLE SENIOR CENTER
FURNITURE PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A801	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	95 OF 195
	DRAWING NUMBER
	2025 - 0312
	FILE NO.: 8

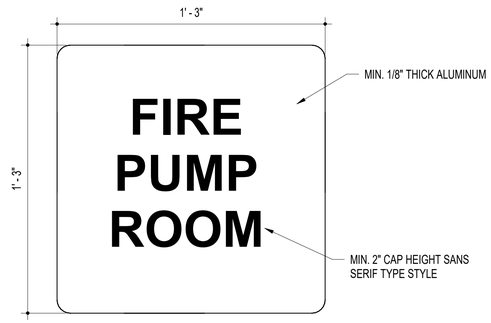
BALTIMORE COUNTY MARYLAND

SEE SHEET A803 FOR SIGNAGE TYPES AND DETAILS

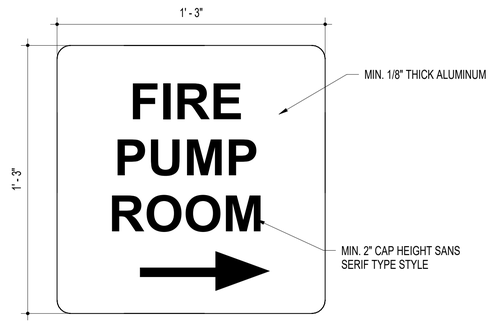


1 SIGNAGE PLAN
1/8" = 1'-0"

0 4' 8' 16'



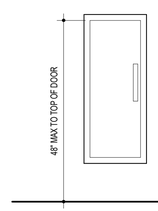
SIGN TYPE # 14



SIGN TYPE # 15

EXTERIOR DOOR SIGNAGE

SCALE: 3"= 1' - 0"
0 1 ½" 3" 6" 9"



NOTE: IF CABINET PROJECTS MORE THAN 4" FROM WALL, BOTTOM EDGE MUST BE NO MORE THAN 27" AFF

2 FE CABINET HEIGHT
1" = 1'-0"

SCALE: 1"= 1' - 0"
0 6" 1' 1'-6" 2'-3"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND SUSAN HANKS No. 16221 ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS–BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:							
DATE: 5/15/2025	BY: DATE: CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SIGNAGE PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

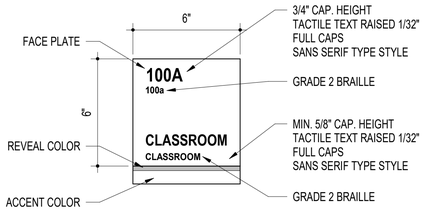
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A802	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	96 OF 195
	DRAWING NUMBER
	2025 - 0313
	FILE NO.: 8

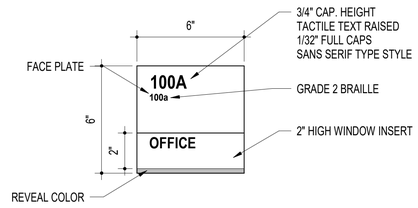
BALTIMORE COUNTY MARYLAND

ROOM SIGNAGE ELEVATION

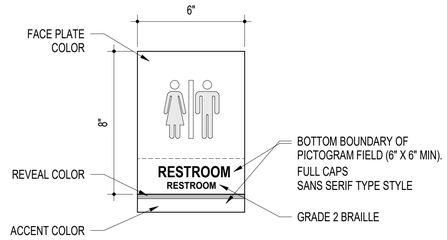
SIGN NOTE:
ROOM SIGNS TO BE PROVIDED AT EVERY DOOR. EXACT ROOM NUMBER TO BE DETERMINED BY OWNER. SIGNS TO BE MOUNTED WITH DOUBLE STICK TAPE AND SILICONE ADHESIVE. SEAL PERIMETER WITH CLEAR SILICONE CAULKING. PROVIDE BLANK SIGN FOR BACK WHERE MOUNTED ON GLASS SIDELITE.



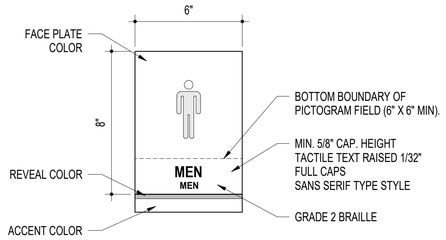
SIGN TYPE # 1



SIGN TYPE # 2

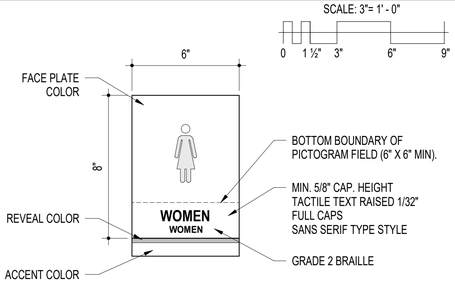


SIGN TYPE # 3

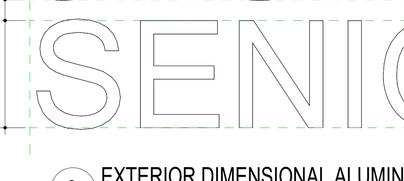


SIGN TYPE # 4

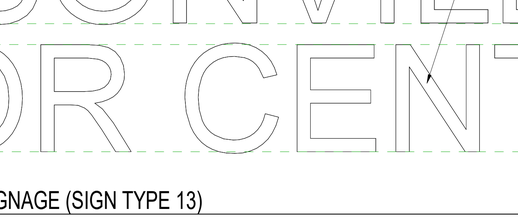
SCALE: 3"= 1' - 0"



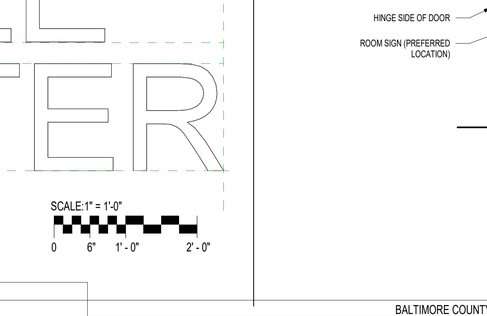
SIGN TYPE # 5



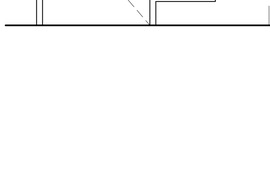
SIGN TYPE # 6



SIGN TYPE # 7



SIGN TYPE # 8



SIGN TYPE # 9

SIGN TYPE # 10

SIGN TYPE 11 SIGN TYPE 12

3 EXTERIOR DIMENSIONAL ALUMINUM SIGNAGE (SIGN TYPE 13)
1" = 1'-0"

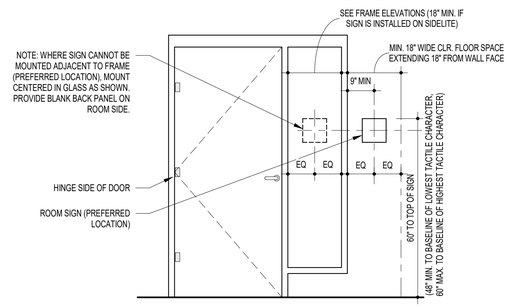
SCALE:1" = 1'-0"
0 6" 1' - 0" 2' - 0"

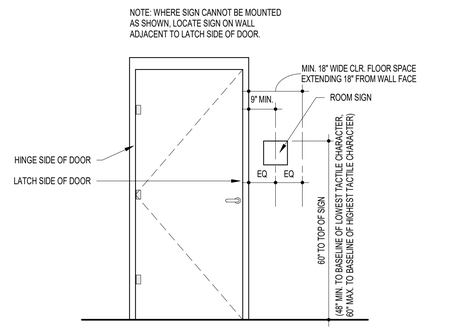
MANUFACTURER: IN PRO
MODEL: SANTA CRUZ

PHOTO POLYMER:
FACE PLATE: EGGSHELL 0111
REVEAL: CASTLE 0256
TEXT AND PICTOGRAM: TRUFFLE 0284
ACCENT: AMERICAN TEAK 0553

TYPICAL INTERIOR SIGNAGE FINISHES

ROOM SIGNAGE LOCATION





SCALE: 1/2"= 1' - 0"
0 9" 1' 6" 3' 4' 6"

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
						PROFILE SCALE:	DATE:
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
SIGNAGE DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

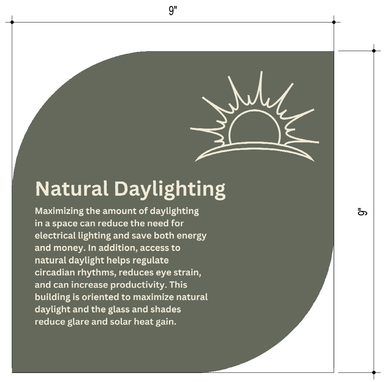
SHEET DESIGNATION	CONTRACT NUMBER
A803	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	97 OF 195
	DRAWING NUMBER
	2025 - 0314
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

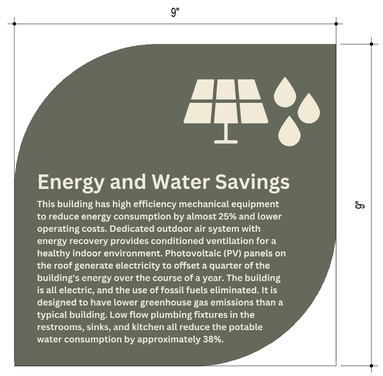
BID DOCUMENTS 5/15/2025



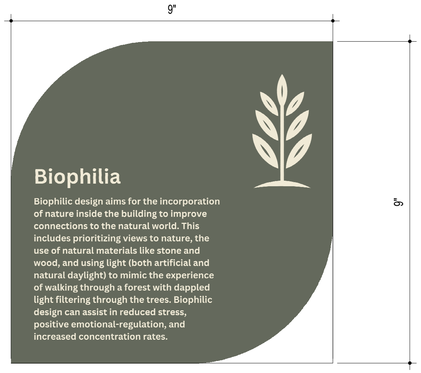
6 SIGN TYPE S6
1" = 1'-0"



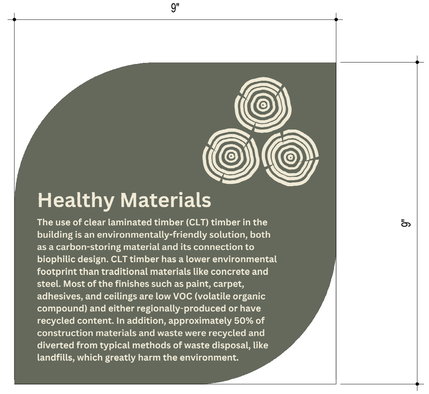
1 SIGN TYPE S1
6" = 1'-0"



3 SIGN TYPE S3
6" = 1'-0"



4 SIGN TYPE S4
6" = 1'-0"



2 SIGN TYPE S2
6" = 1'-0"

NOTE: EXACT GRAPHIC AND TEXT TO BE FINALIZED DURING CONSTRUCTION AND PROVIDED BY G+P

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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BY:
DATE:

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AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

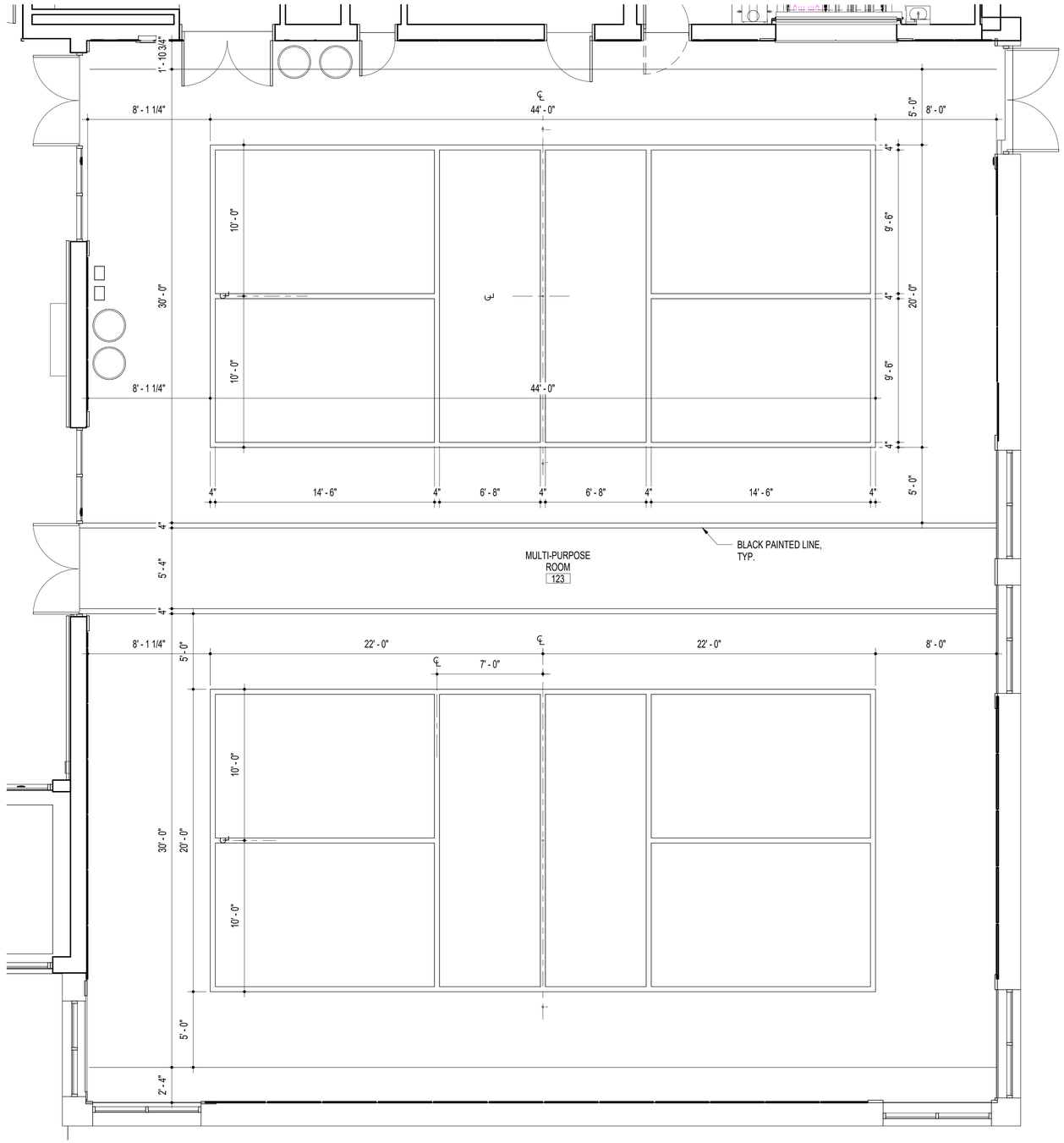
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
EDUCATIONAL SIGNAGE
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A804	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	98 OF 195
	DRAWING NUMBER
	2025 - 0315
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BALTIMORE COUNTY MARYLAND



1 MP ROOM - PICKLE BALL
1/4" = 1'-0"

0 2' 4' 8'

DWG FILENAME

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STATE OF MARYLAND · SUSAN HANKS · No. 16221 · ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN	APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
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	DWN BY: Author	REVIEWED BY:							
DATE: 5/15/2025	AS–BUILT PER RECORD PRINT BY: DATE:	CHKD BY: Checker DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
PICKLE BALL LINES
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

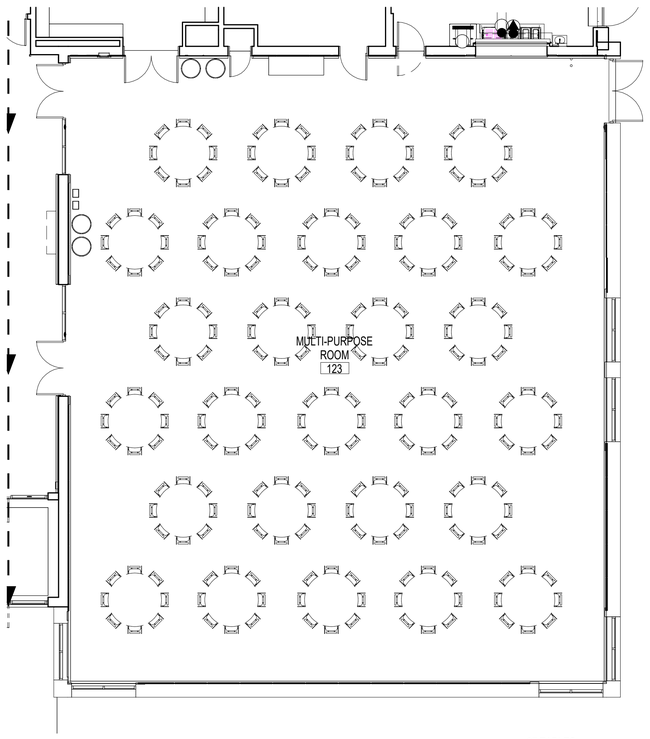
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	99 OF 195
	DRAWING NUMBER
	2025 - 0316
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

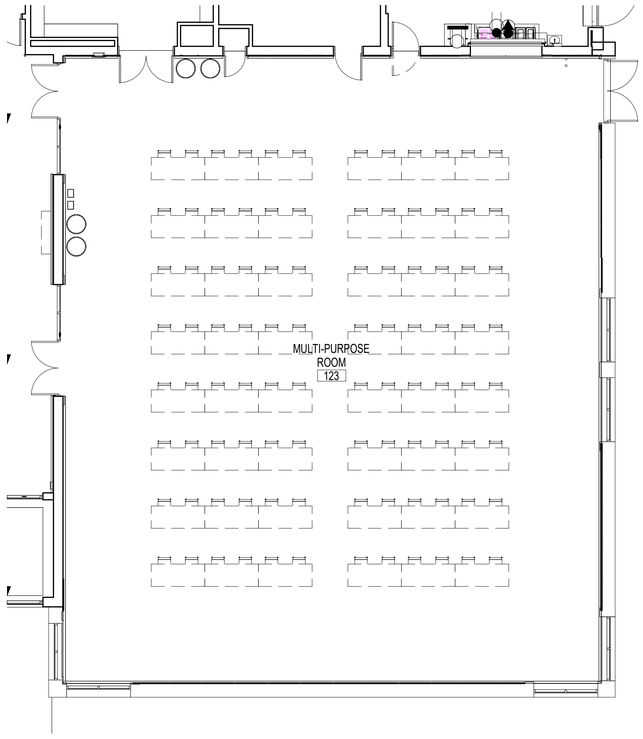
BID DOCUMENTS 5/15/2025



1 MP ROOM - 6' BANQUETTE TABLES
1/8" = 1'-0"

27 TABLES
8 CHAIRS PER TABLE
216 OCCUPANTS

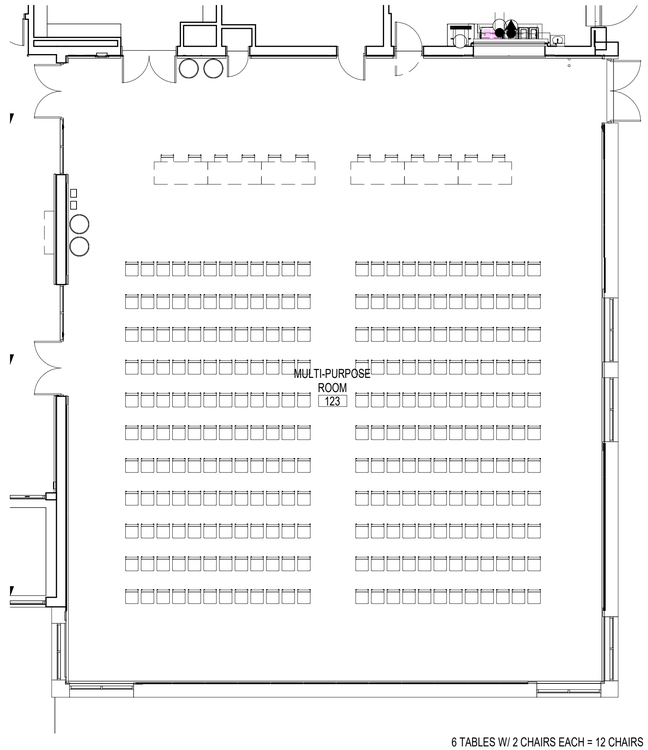
* FURNITURE BY OWNER, TYPICAL.



5 MP ROOM - SEMINAR
1/8" = 1'-0"

48 TABLES W/ 2 CHAIRS EACH = **96 OCCUPANTS**

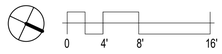
* FURNITURE BY OWNER, TYPICAL.



4 MP ROOM - LECTURE
1/8" = 1'-0"

6 TABLES W/ 2 CHAIRS EACH = 12 CHAIRS
264 CHAIRS
276 OCCUPANTS

* FURNITURE BY OWNER, TYPICAL.



CODE STUDY ALLOWS FOR 282 OCCUPANCY, SEE A001

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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CONTRACT COMPLETION BOX		

P.W.A NO.	KEY SHEET	POSITION SHT
	UNE	78NE11 78NE12 98NE11 79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE

PLAN SCALE: PER PLAN

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MULTI-PURPOSE ROOM SEAT LAYOUT OPTIONS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A806	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	100 OF 195
	DRAWING NUMBER
	2025 - 0317
	FILE NO.: 8

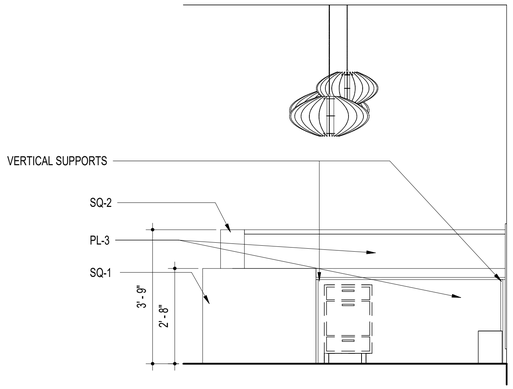
BALTIMORE COUNTY MARYLAND



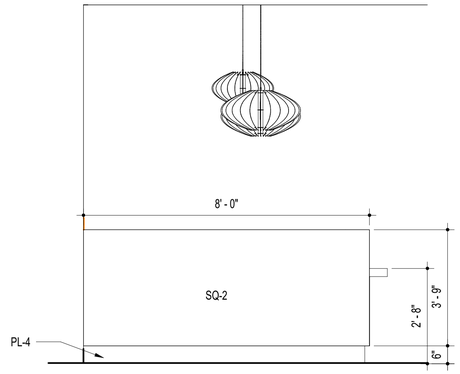
11 AXON OF RECEPTION DESK



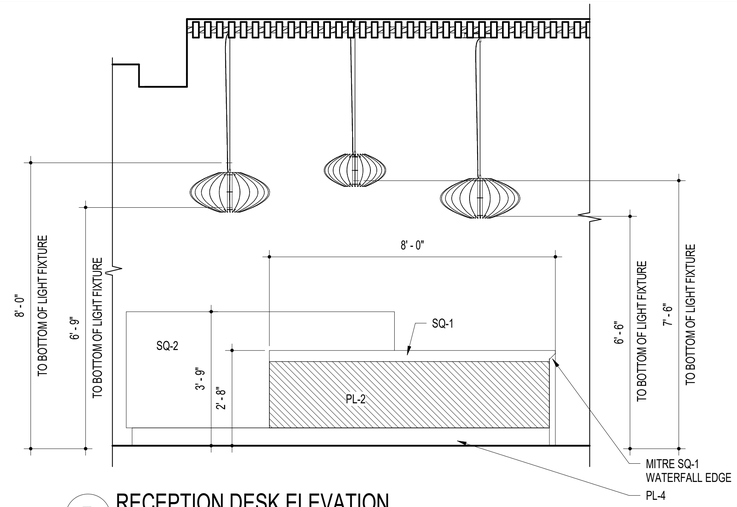
10 INTERIOR AXON VIEW OF RECEPTION DESK



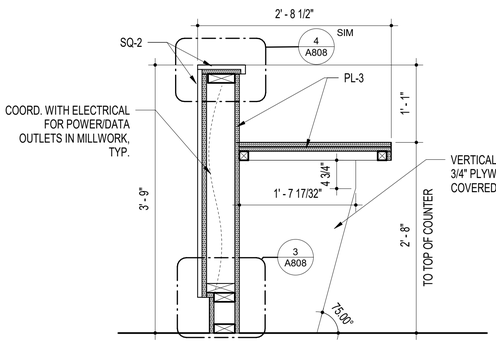
9 RECEPTION ELEVATION 3
1/2" = 1'-0"



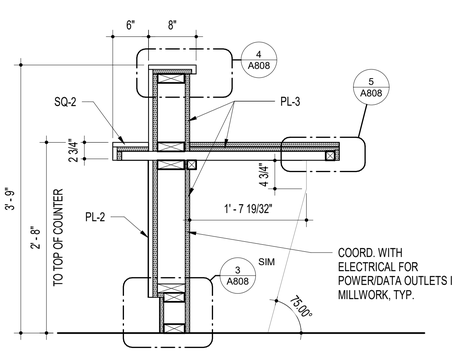
8 RECEPTION ELEVATION 2
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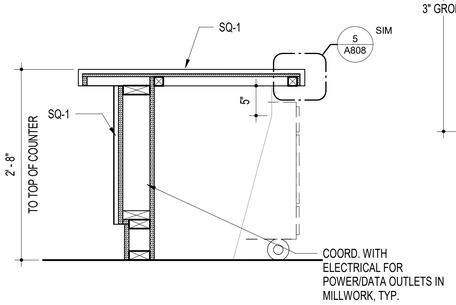
7 RECEPTION DESK ELEVATION
1/2" = 1'-0"



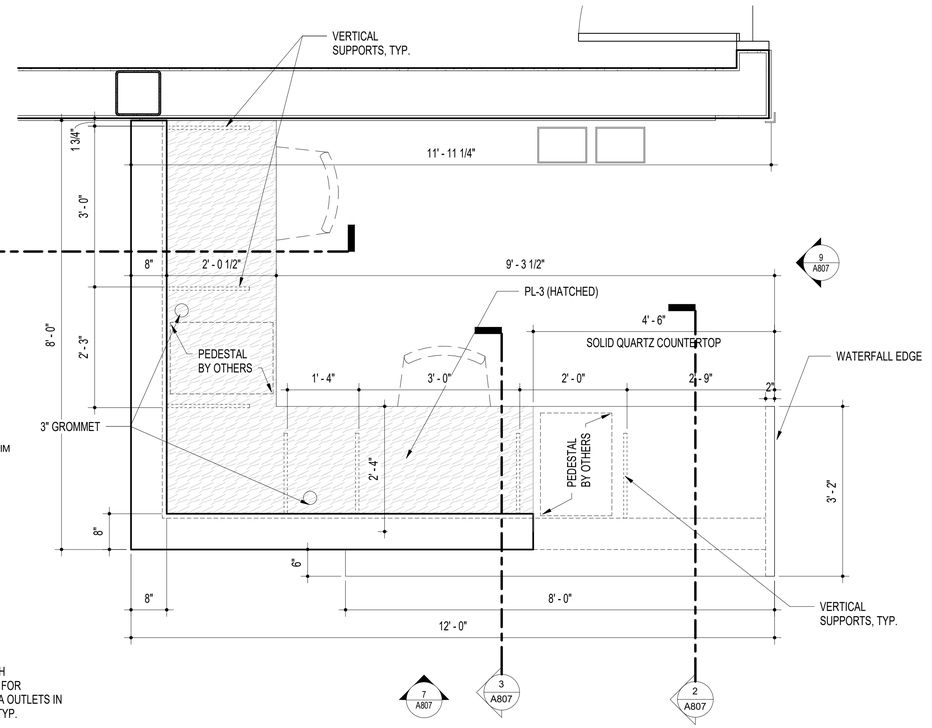
4 RECEPTION DESK SECTION 2
1" = 1'-0"



3 RECEPTION DESK SECTION
1" = 1'-0"



2 RECEPTION DESK SECTION AT COUNTER
1" = 1'-0"



1 RECEPTION DESK
3/4" = 1'-0"

SYNC FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
	LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026	CONTRACT COMPLETION BOX							
	ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS--BUILT PER RECORD PRINT DWN BY: Author	REVIEWED BY:							
DATE: 5/15/2025	BY: DATE: CHKD BY: Checker	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MILLWORK- RECEPTION DESK
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

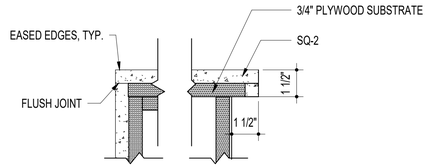
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

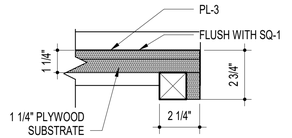
SHEET DESIGNATION	CONTRACT NUMBER
A807	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	101 OF 195
	DRAWING NUMBER
	2025 - 0318
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

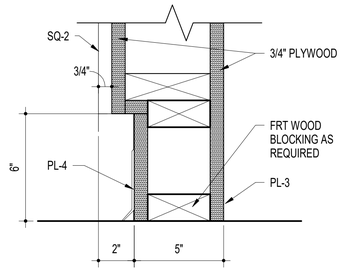
BID DOCUMENTS 5/15/2025



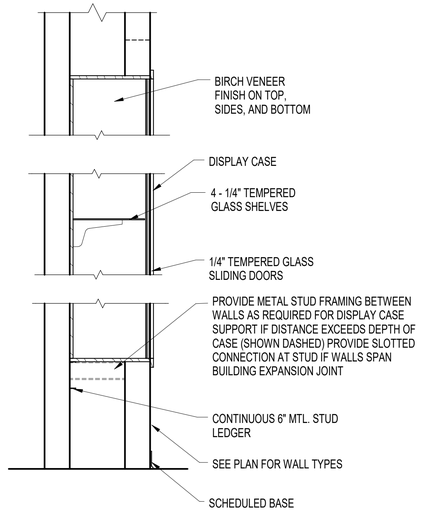
4 SQ-2 COUNTERTOP NOSING DETAIL
3" = 1'-0"



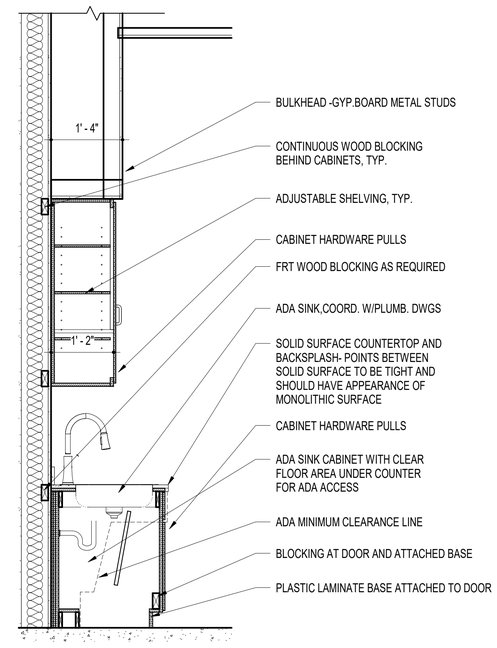
5 COUNTERTOP NOSING DETAIL
3" = 1'-0"



3 RECEPTION DESK BASE DETAIL
3" = 1'-0"



2 DISPLAY CASE DETAIL
3/4" = 1'-0"



1 TYPICAL SINK CABINET DETAIL
3/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PER PLAN PROFILE SCALE:		APPROVED BY: PROPERTY MANAGER DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MILLWORK- CABINET

BID DOCUMENTS 5/15/2025

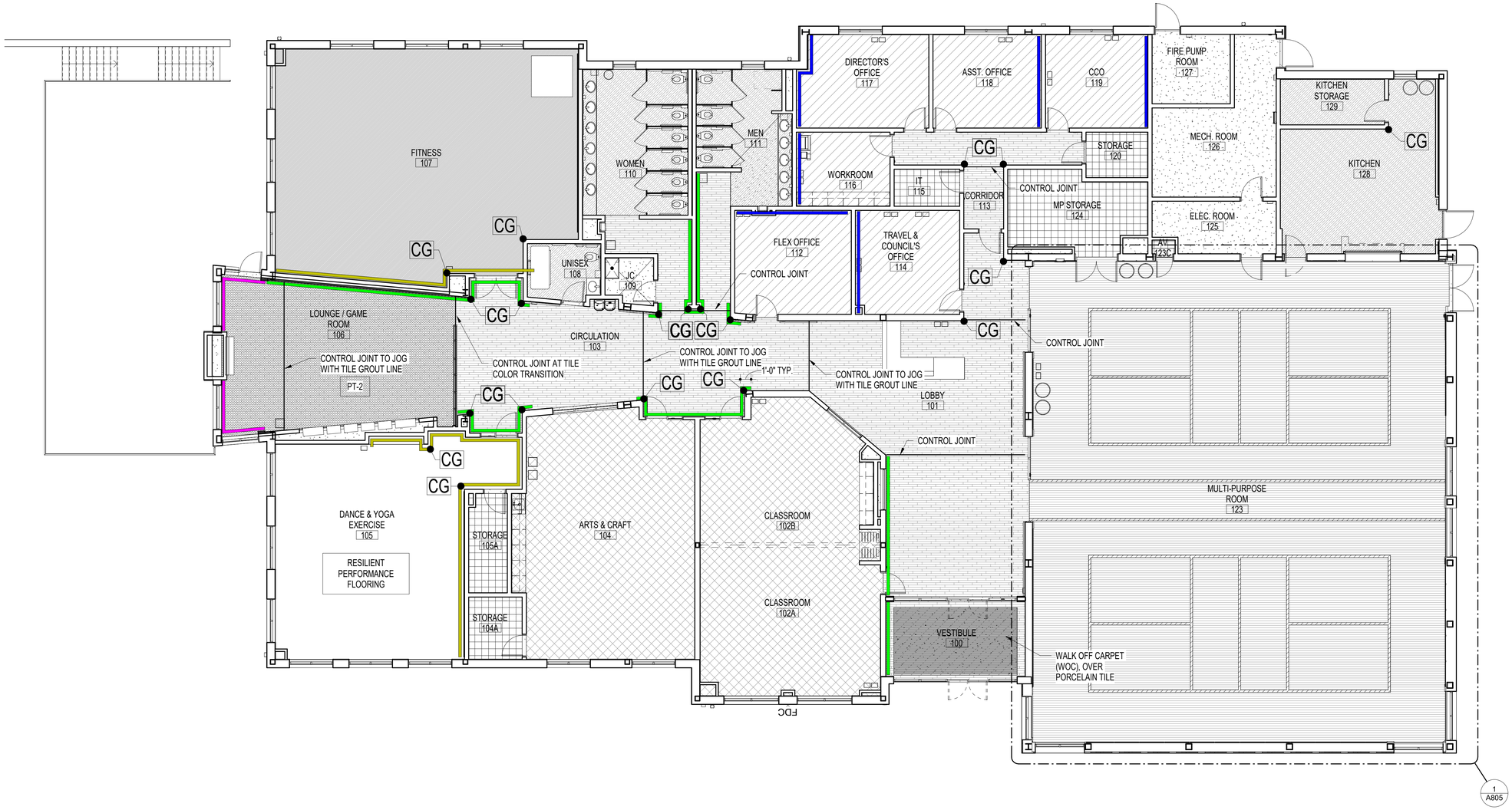
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
A808	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	102 OF 195
	DRAWING NUMBER
	2025 - 0319
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

THIS DRAWING IS REQUIRED
TO BE VIEWED IN COLOR



1 FINISH FLOOR PLAN
1/8" = 1'-0"

FLOOR FINISH NOTES

1. SEE FINISH SCHEDULE AND MATERIAL SCHEDULE FOR SELECTIONS

FLOOR FINISH LEGEND

- CARPET TILE
- RESINOUS FLOOR
- RESILIENT FLOOR
- CONCRETE FLOOR
- VCT
- WOOD ATHLETIC FLOORING
- PT, COLOR 1
- PT, COLOR 2
- RESILIENT PERFORMANCE FLOORING
- RUBBER FITNESS FLOOR
- WALK OFF CARPET

WALL ACCENT COLOR LEGEND

- PTD - 1
  SW 6682 JUNE DAY
- PTD - 2
  SW 9128 GREEN ONYX
- PTD - 3
  SW 6215 ROCKY RIVER
- PTD - 4
  SW 6070 HERON PLUME
  FIELD PAINT
- PTD - 5
  SW 7637 OYSTER WHITE
  FIELD PAINT IN FITNESS / DANCE & YOGA EXERCISE
- PTD - 6
  SW 7541 GRECIAN IVORY
  FIELD PAINT CORRIDOR / LOBBY / MULTI-PURPOSE ROOM
- PTD - 7
  SW 6187 ROSEMARY
  ACCENT PAINT AT LOUNGE WINDOWS

LEGEND

GC (CORNER GUARD)

NOTE: PROVIDE SS CORNER GUARD IN KITCHEN.

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT
DATE: 5/15/2025

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ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: Designer
DWN BY: Author
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AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

SUBDIVISION: JACKSONVILLE

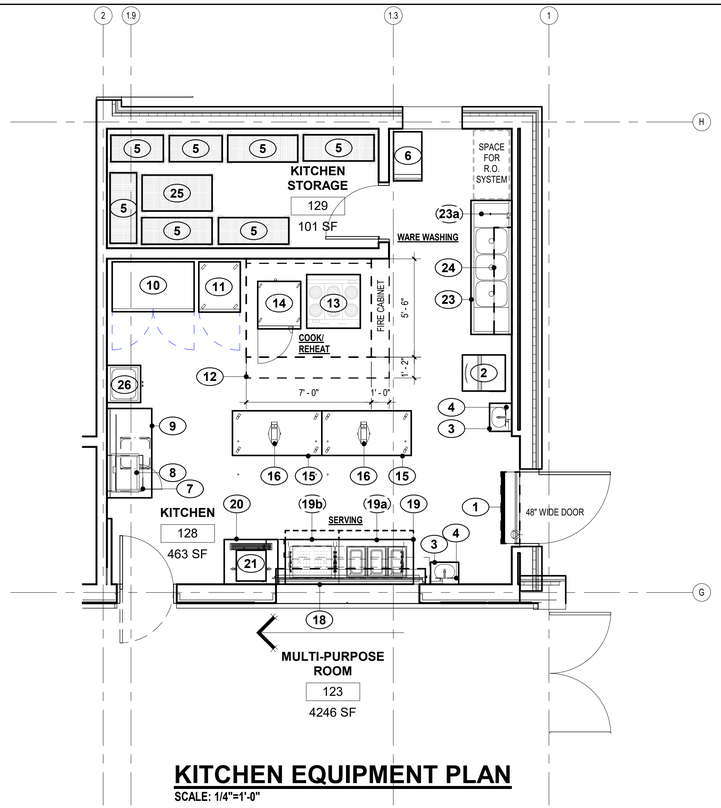
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FINISH FLOOR PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

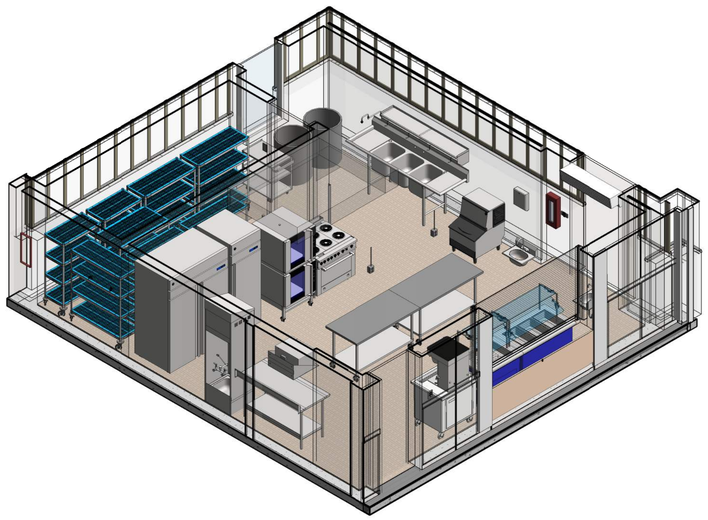
SHEET DESIGNATION	CONTRACT NUMBER
A901	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	103 OF 195
	DRAWING NUMBER
	2025 - 0320
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



KITCHEN EQUIPMENT PLAN

SCALE: 1/4"=1'-0"



ISOMETRIC VIEW

SCALE: 1/4"=1'-0"

EQUIPMENT SCHEDULE

ITEM	QTY.	DESCRIPTION	REMARKS
1	1	FLY FAN	
2	1	ICE MACHINE W/ BIN	W/ WATER FILTRATION SYSTEM
3	2	HAND SINK	W/ END SPLASHES
4	2	SOAP & TOWEL DISPENSER	(N.I.K.E.C.) - SPECIFIED BY ARCHITECT
5	7	SHELVING, MOBILE	
6	1	UTILITY CART, MOBILE	
7	1	MICROWAVE SHELF	
8	1	MICROWAVE OVEN	
9	1	WORKTABLE	
10	1	REACH-IN REFRIGERATOR, MOBILE	
11	1	REACH-IN FREEZER, MOBILE	
12	1	VENTILATOR	W/ FIRE PROTECTION SYSTEM
13	1	RANGE, MOBILE	W/ CONVECTION BASE
14	1	CONVECTION OVEN, MOBILE	DOUBLE-STACKED
15	2	WORKTABLE, MOBILE	
16	2	RETRACTABLE CORD REEL	
17	1	SPARE NUMBER	
18	1	ROLL DOWN DOOR	(N.I.K.E.C.) - SPECIFIED BY ARCHITECT
19	1	SERVING COUNTER, MOBILE	
19a	1	HOT FOOD COUNTER, MOBILE	
19b	1	COLD FOOD COUNTER, MOBILE	
20	1	BEVERAGE COUNTER	
21	1	COFFEE BREWER	
22	1	SPARE NUMBER	
23	1	POT WASHING SINK	W/ ADDITIONAL REVERSE OSMOSIS FAUCET
23a	1	POT FILLER MIXING FAUCET	DEDICATED FAUCET FOR RO SYSTEM
24	1	WALL-MOUNTED OVERSHELF	
25	1	POT & PAN SHELVING, MOBILE	
26	1	MOP SINK CABINET	W/ RACK

(N.I.K.E.C.) - NOT IN KITCHEN EQUIPMENT CONTRACT.

NOTE! ITEM #17 & #22: SPARE NUMBER

THE USE OF SEALANTS IN FOOD SERVICE EQUIPMENT

1. ALL SEALANTS MUST BE LISTED AS APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) UNDER 51.
2. SEALANTS SHALL BE USED ONLY ON STRUCTURALLY SOUND JOINTS AND SEAMS.
3. SEALANTS MAY BE USED TO FILL SPACES AND OPENINGS SUCH AS, BUT NOT LIMITED TO, BLIND RIVET HEADS AND SLOT AND PHILLIPS HEAD SCREWS.
4. OPENINGS AROUND SERVICE AND UTILITY LINES SHOULD BE CLOSED INSOFAR AS PRACTICAL BY:
   A. COLLARS AND GROMMETS.
   B. FLEXIBLE FORM GASKETS.
5. SEALANTS MAY BE USED TO SEAL SERVICE AND UTILITY LINES TO WALL AND ADJACENT PIECES OF EQUIPMENT WHERE THE SPACING IS. CLOSED TO LESS THAN 1/8TH OF AN INCH.
6. SEALANTS MAY NOT BE UTILIZED IN FOOD AND SPLASH CONTACT SURFACES, TO FILL OPEN SPACES, OR VOIDS WHICH RESULT DUE TO IMPROPER DESIGN OR FABRICATION. ANY OPENING IN EXCESS OF 1/8TH INCH SHALL BE CONSIDERED EXCESSIVE AND MUST BE CLOSED USING PROPER FIELD JOINTS.

GENERAL HEALTH DEPARTMENT NOTATIONS

1. ALL PIPING, CONDUIT, BX CABLE AND SIMILAR CONSTRUCTION WILL BE EITHER LOCATED INSIDE A WALL OR INSTALLED WITH A MINIMUM 3/4" SPACE FROM THE WALL OR SEALED TO THE WALL.
2. ALL DOORS TO THE OUTSIDE WILL BE SELF-CLOSING AND RODENT-PROOF.
3. A MINIMUM OF FIFTY (50) FOOT-CANDLES OF SHIELDED LIGHT WILL BE PROVIDED AT ALL WORK SURFACES, STORAGE AREAS, FOOD PREPARATION AREAS, UTENSIL WASHING AREAS, TOILET ROOMS, LOCKER ROOMS AND IN THE GARBAGE AND RUBBISH STORAGE AREAS.
4. ALL RESTROOM DOORS WILL BE SELF-CLOSING.
5. ALL RESTROOMS WILL BE EQUIPPED WITH MECHANICAL EXHAUST VENTILATION SIZED AT A MINIMUM RATE OF TWO (2) CUBIC FEET PER MINUTE PER SQUARE FOOT OF FLOOR AREA AND EXHAUSTING DIRECTLY TO THE OUTSIDE.
6. ALL FLOOR MOUNTED EQUIPMENT WILL BE PLACED ON NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIX (6) INCH LEGS, OR THE EQUIVALENT, AND PROPERLY SPACED FROM ADJACENT EQUIPMENT OR WALLS; OR PLACED ON NSF APPROVED CASTERS, OR THE EQUIVALENT; OR PROPERLY SEALED TO ALL ADJACENT SURFACES.
7. ALL COUNTER MOUNTED FOODSERVICE EQUIPMENT WEIGHING IN EXCESS OF EIGHTY (80) POUNDS WILL BE MOUNTED ON NSF APPROVED FOUR (4) INCH HIGH LEGS.
8. ALL EXPOSED RAW WOOD WILL BE SEALED.
9. ALL ANNULAR OPENINGS IN CONSTRUCTION WILL BE SEALED TO WITHIN 1/32ND OF AN INCH.
10. ALL AISLES WILL BE A MINIMUM OF THIRTY-SIX (36) INCHES WIDE PER NATIONAL FIRE PROTECTION ASSOCIATION 101.
11. THE OUTSIDE STORAGE OF REFUSE WILL BE IN RODENT-PROOF CONTAINERS LOCATED ON A PAVED SURFACE.
12. ALL SINK INSTALLATIONS WILL BE EQUIPPED WITH HOT AND COLD RUNNING WATER THROUGH A MIXING VALVE OR COMBINATION FAUCET.
13. ALL PAINTING WILL BE WITH LEAD-FREE, NON-METALLIC ENAMEL PAINT OR A HIGH QUALITY VARNISH.
14. WASTE WATER FROM ALL APPLICABLE FOODSERVICE EQUIPMENT WILL BE INDIVIDUALLY PLUMBED TO AN OPEN SITE DRAIN WITH A MINIMUM ONE INCH AIR GAP.

NYIKOS GARCIA
Foodservice Design Inc.
7146 Starmount Way
New Market, MD 21774
P 240.683.9530

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

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ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS–BUILT / REVISION

BY	DATE	P.W.A NO.
PERMIT REVISIONS #1	1 3/19/25	
CONTRACT COMPLETION BOX		

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
KITCHEN EQUIPMENT PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

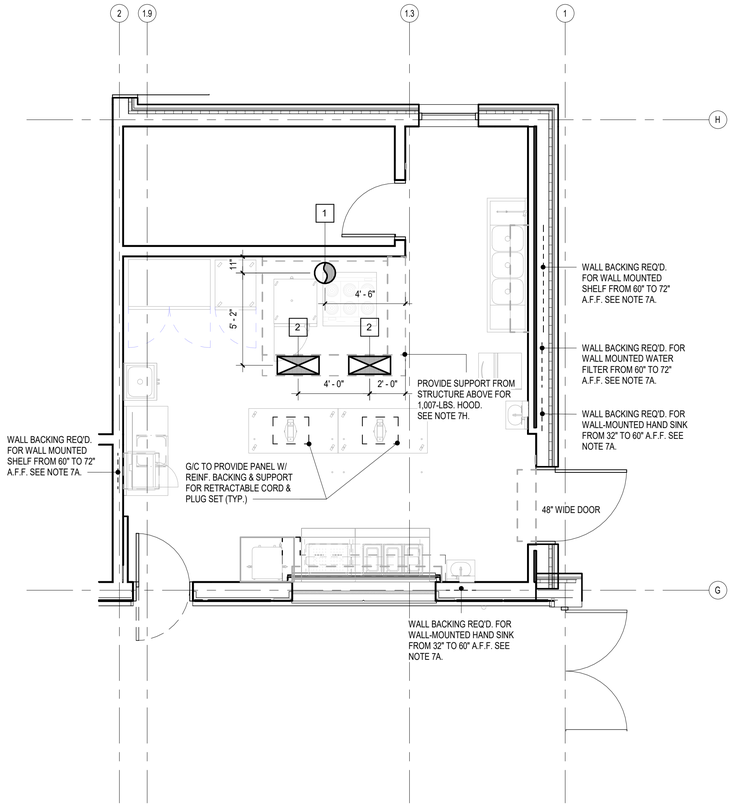
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-101	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	104 OF 195
	DRAWING NUMBER
	2024 - 0321
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 5/15/2025

NYIKOS GARCIA
Foodservice Design Inc.
7146 Starmount Way
New Market, MD 21774
P 240.683.9530



KITCHEN EQUIPMENT PLAN

SCALE: 1/4"=1'-0"

VENTILATION SCHEDULE

NO.	SIZE	C.F.M. EXHAUST	C.F.M. SUPPLY	W.G.S.P.@ COLLAR	TOTAL C.F.M.	CONN. HGT. A.F.F.	DESCRIPTION
1	14" DIA.	1,575		-0.593"	1,575	9' - 6"	
2	12" x 28"		669 (2)	0.170"	1,339	9' - 6"	

* PROVIDE TEMPERED SUPPLY AIR DURING WINTER MONTHS: 55° to 60°F.

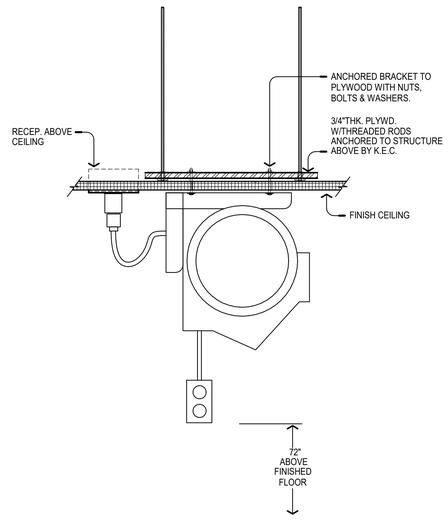
SEE SHEET K-502 FOR FURTHER VENTILATOR DETAILS.

BUILDING CONDITIONS & VENTILATION NOTE:

- FLOOR DEPRESSION
- NON-COMBUSTIBLE WALL MATERIAL
- FINISHED WALL OPENING
- WALL BACKING
- EXHAUST DUCT/GRILL
- SUPPLY DUCT/GRILL
- # — VENTILATION ROUGH-IN PLAN DESIGNATION

BUILDING CONDITIONS & VENTILATION NOTE:

1. ALL WORK INDICATED ON THIS PLAN AND IN THESE NOTES SHALL BE BY OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR, UNLESS NOTED BY "K.E.C.".
2. WALLS, FLOORS AND CEILINGS IN KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS, OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE SMOOTH, EASILY- CLEANABLE, NON-ABSORBANT, AND DURABLE. WALLS AND CEILINGS SHALL BE LIGHT COLORED.
3. PARTITION WALLS BETWEEN KITCHEN AREAS AND PUBLIC AREAS SHALL BE CONTRUCTED FOR MAXIMUM SOUND CONTROL.
4. MINIMUM VENTILATION REQUIREMENTS:
   A. KITCHEN, SERVICE, PREP AND DISHWASHING AREAS: 4 TO 6 AIR CHANGES PER HOUR.
   B. STOREROOMS: 2 TO 3 AIR CHANGES PER HOUR.
   C. OFFICES: 4 AIR CHANGES PER HOUR. (RECOMMEND AIR CONDITIONING).
   D. REFRIGERATION CONDENSING UNITS: 750 C.F.M. PER H.P., SUPPLY AND EXHAUST.
   E. OTHER AREAS: AS REQUIRED BY CODES OR AS NOTED.
   F. VERIFY VENTILATION REQUIREMENTS SHOWN ARE IN COMPLIANCE WITH LOCAL CODES.
5. FINAL DUCT CONNECTIONS SHALL BE BY MECHANICAL CONTRACTOR, OR EQUIVALENT, UNLESS NOTED.
6. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS REQUIRED BY LOCAL CODES.
7. GENERAL CONTRACTOR (G.C.), OR EQUIVALENT SHALL:
   A. PROVIDE IN-WALL REINFORCING OR BACKING, AS REQUIRED, FOR WALL-MOUNTED EQUIPMENT; COORDINATE WITH K.E.C.
   B. SLOPE FLOOR TO FLOOR SINKS, FLOOR DRAINS, OR FLOOR TROUGHS.
   C. PROVIDE DOOR/WALL OPENINGS AND/OR PASSAGES TO ASSURE ACCESS FOR ALL KITCHEN EQUIPMENT. COORDINATE OPENING REQUIREMENTS WITH K.E.C.
   D. PROVIDE WALK-IN COOLER/FREEZER DEPRESSIONS, SMOOTH AND TRANSIT-LEVEL, WHERE DEPRESSIONS ARE REQUIRED. DEPTH AS NOTED.
   E. FILL EXCESS DEPRESSIONS AROUND WALK-IN COOLER/FREEZER WITH GROUT, FINISH FLOOR MATERIAL, AND COVED BASE, AFTER COOLER/FREEZER IS INSTALLED BY K.E.C.
   F. PROVIDE SOLID MASONRY CURBS WITH TROWEL-SMOOTH AND LEVEL FINISH.
   G. PROVIDE FIRE-RATED MATERIALS AND/OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, ROOF/WALL PENETRATIONS, ETC. PER LOCAL CODES.
   H. PROVIDE FIRE-RATED PARTITIONS WHERE NOTED AROUND COOKING/HEAT PRODUCING EQUIPMENT PER LOCAL CODES.
   I. PROVIDE COVED-BASE MOLDING OR COVED INTEGRAL FLOOR MATERIALS AS REQUIRED AT ALL VERTICAL SURFACES OF KITCHEN FLOORS.
   J. PROVIDE 1/2" DIAMETER (MINIMUM) HANGER RODS FROM STRUCTURE ABOVE CEILING AS REQUIRED FOR VENTILATORS AND CEILING-MOUNTED EQUIPMENT, WHERE NOTED.



CORD REEL CEILING SUPPORT DETAIL

SCALE: NTS.

SEAL

STATE OF MARYLAND — STEVEN HAINS — No. 16221 — ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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CONTRACT COMPLETION BOX

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

BUILDING CONDITIONS & VENTILATION PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

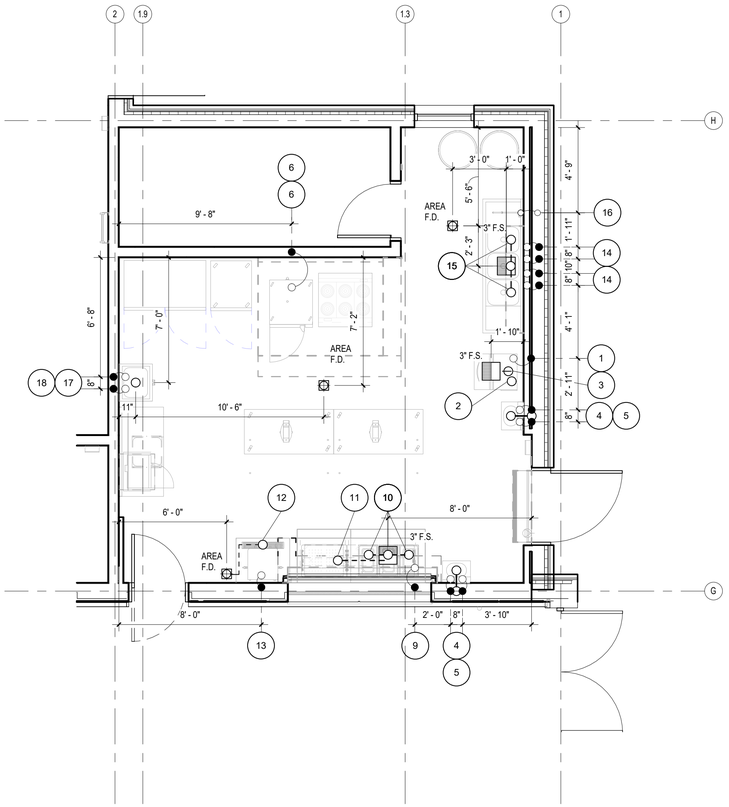
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-102	25010 PO0
	JOB ORDER NUMBER 10-701-1861
	105 OF 195
	DRAWING NUMBER 2024 - 0322
	FILE NO.: 8

DWG FILENAME

NYIKOS GARCIA
Foodservice Design Inc.
7146 Starmount Way
New Market, MD 21774
P 240.683.9530



KITCHEN EQUIPMENT PLAN

SCALE: 1/4"=1'-0"

PLUMBING SCHEDULE

	R.I. #	WATER HW	WATER CW	WASTE DIR	WASTE IND	R.I. HGT. A.F.F.	CONN. SIZE	CONN. HEIGHT	DESCRIPTION	EQ. #
	1		1/2"			72"	1/2"	72"	ICE MAKER INLET	2
	2				3/4"		3/4"	50"	ICE MAKER DRAIN	2
	3				1/2"		1/2"	10"	BIN DRAIN	2
	4	1/2"	1/2"			26"	1/2"	40"	HAND SINK FAUCET	3
	5			1 1/2"		24"	1 1/2"	28"	HAND SINK DRAIN	3
	6		3/4" (2)			30"	3/4"	30"/42"	CONVECTION OVEN INLET (2)	14
2.)	9	1/2"				12"	1/2"	6"	FILL FAUCET (MAX TEMP: 120 DEG. F)	19a
	10				1/2" (3)		1/2"	6"	HOT FOOD COUNTER DRAIN (3)	19a
	11				1"		1"	6"	COLD FOOD COUNTER DRAIN	19b
1.)	12			1"		24"	1"	28"	BEVERAGE COUNTER DRAIN	20
	13		1/4"			40"	1/4"	50"	COFFEE BREWER INLET	21
	14	3/4" (2)	3/4" (2)			15"	3/4"	40"	POT WASHING SINK FAUCET (2)	23
	15				2" (3)		2"	22"	POT WASHING SINK DRAIN (3)	23
	16		1/2"			50"	1/2"	50"	POT FILLER MIXING FAUCET INLET	23a
	17	1/2"	1/2"			36"	1/2"	36"	MOP SINK FAUCET	26
	18			2"		STUB	2"	3"	MOP SINK DRAIN	26

1.) IN-LINE WATER FILTER FURNISHED BY K.E.C.,; INSTALLED BY P.C.; BACKFLOW PREVENTER TO BE FURNISHED & INSTALLED BY P.C.

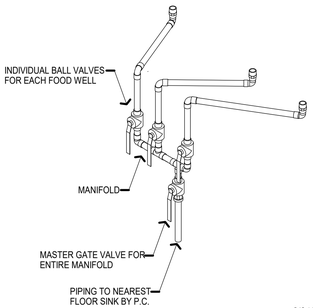
2.) PROVIDE QUARTER TURN SHUT-OFF VALVE TO BE FURNISHED & INSTALLED BY PLUMBING CONTRACTOR.

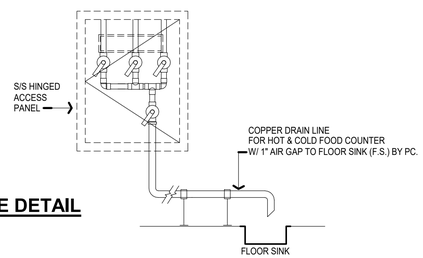
PLUMBING SYMBOLS

ABBREVIATION	SYMBOL	DESCRIPTION
H/CW		HOT/COLD WATER ROUGH-IN AND CONNECTION
W		WASTE ROUGH-IN AND CONNECTION
IW		INDIRECT WASTE
F.S.		FLOOR SINK W/HALF GRATE (W/MIN. CONN. SIZE)
F.D.		FLOOR (AREA) DRAIN
D.F.A.		DOWN FROM ABOVE
R.I. #	#	ROUGH-IN NUMBER (SEE PLUMBING SCHEDULE)
P.C.		PLUMBING CONTRACTOR
K.E.C.		KITCHEN EQUIPMENT CONTRACTOR

PLUMBING KITCHEN GENERAL NOTES:

1. ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL PLUMBING REQUIREMENTS.
2. THIS PLUMBING PLAN IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION SIZES, POSITIONS, HEIGHTS AND LOAD REQUIREMENTS. DIMENSIONS SHOWN ARE FROM FINISHED FLOORS AND FINISHED WALLS. VERIFY WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.
3. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR INCLUDING REQUIRED MATERIALS SUCH AS, STOPS, MIXING VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC. TO ASSURE PROPER OPERATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.
4. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
   A. ALL WATER, WASTE, AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. FLOOR ROUGH-INS TO STUB UP 2" ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR OPENINGS/PENETRATIONS ARE TO BE SEALED WATERTIGHT.
   B. PRESSURE REDUCING AND/OR REGULATING VALVES FOR DISHWASHERS, BOOSTER HEATERS, OR AS OTHERWISE NOTED IN ALL FOODSERVICE AREAS.
   C. ALL FLOOR SINKS, COMPLETE WITH TOP GRATES INDICATED, AND REMOVABLE SEDIMENT BUCKETS SET **FLUSH** WITH FINISH FLOOR, UNLESS NOTED.
   D. ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE ABOVE FLOOR FOR SANITATION AND AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS.
   E. INDIRECT WASTE LINES FOR WALK-IN COOLER/FREEZER BLOWER COILS SHALL BE PITCHED 1" PER FOOT OF HORIZONTAL RUN, AND TERMINATE WITH A P-TRAP OVER FLOOR SINK OR APPROVED RECEPTER WITH VACUUM BREAK AS REQUIED BY LOCAL CODE.
   F. ALL REQUIRED GREASE TRAPS, OUTSIDE THE BUILDING WHERE POSSIBLE; OTHERWISE BELOW OR SET FLUSH WITH FINISHED FLOOR.
   G. INSTALL FIRE CONTROL GAS SHUT-OFF VALVES AS SUPPLIED BY FIRE PROTECTION SYSTEM SUBCONTRACTOR PER LOCAL CODES. (IF GAS COOKING EQUIPMENT IS SPECIFIED.)
   H. VACUUM BREAKERS, AS REQUIRED, EXCEPT FOR DISHWASHERS AND DISPOSERS, AS SUPPLIED BY KITCHEN EQUIPMENT CONTRACTOR.
   I. ALL WASTE LINE FOR HOT & COLD FOOD COUNTER SHALL BE OF COPPER PIPE TO DISCHARGE INDIRECTLY TO THE NEAREST FLOOR SINK WITH 1" AIR GAP.
5. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL INTERCONNECT DISHMACHINE WITH BOOSTER HEATER, AND WATER-TYPE VENTILATORS WITH CONTROL PANELS AS PER MANUFACTURER'S INSTRUCTIONS, WHEN APPLICABLE AND NOTED.
6. ALL VENT PIPES SHALL BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES.
7. ALL EXPOSED PIPING AND FITTINGS IN KITCHEN AREAS ABOVE SINKS & TABLES SHALL BE CHROME-PLATED OR STAINLESS STEEL.
8. ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED USE OF, OR SERVICING OF EQUIPMENT.





DRAIN VALVE DETAIL

SCALE: NTS.

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC. DGN BY:

DWN BY:

AS–BUILT PER RECORD PRINT

BY: DATE: CHKD BY:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
PERMIT REVISIONS #1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN	APPROVED BY: PROPERTY MANAGER
						PROFILE SCALE:		DATE:
CONTRACT COMPLETION BOX								

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLUMBING ROUGH-IN PLAN

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

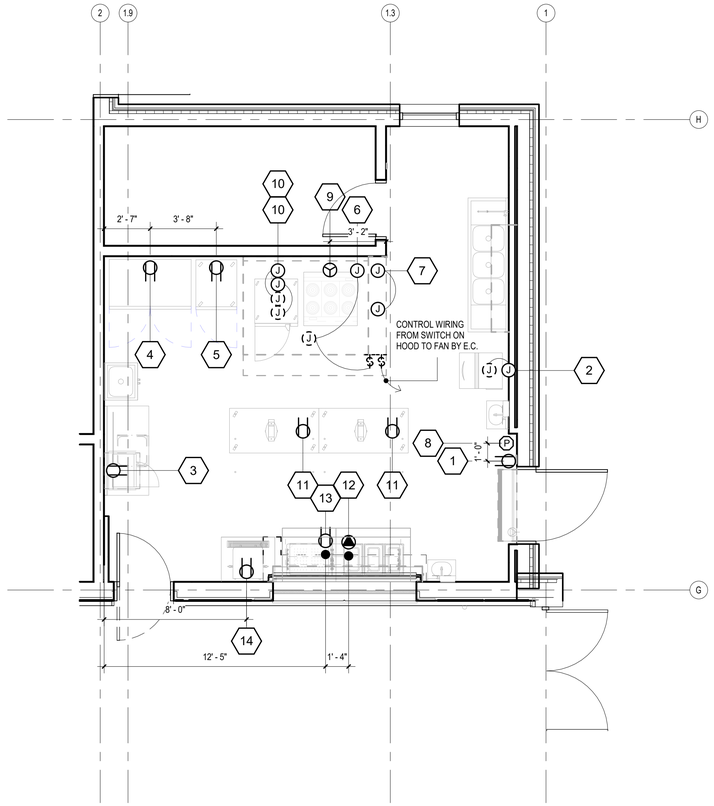
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-103	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
106 OF 195	
DRAWING NUMBER	
2024 - 0323	
	FILE NO.: 8

DWG. FILENAME

BALTIMORE COUNTY MARYLAND

NYIKOS GARCIA
Foodservice Design Inc.
7146 Starmount Way
New Market, MD 21774
P 240.683.9530



KITCHEN EQUIPMENT PLAN

SCALE: 1/4"=1'-0"

ELECTRICAL SCHEDULE

	R.I.#	HP	KW	AMP	VOLTS	PH	R.I. HGT. A.F.F.	DESCRIPTION	E.Q. NO.	E.C. TO PROVIDE			
										CORD & PLUG	RECEP.	DISC.	J.B.
	1	0.5			120	1	114"	FLY FAN RECEP.	1		O		
	2			15.0	120	1	72"	ICE MACHINE	2				O
	3			16.0	120	1	50"	MICROWAVE RECEP.	8		O		
	4			8.1	120	1	90"	REACH-IN REFRIGERATOR RECEP.	10		O		
	5			7.6	120	1	90"	REACH-IN FREEZER RECEP.	11		O		
1.)	6		350W	13.3	120	1	114"	VENTILATOR LIGHT CONTROLLER	12				O
	7			20.0(Cir.)	120	1	108"	FIRE PROTECTION SYSTEM	12				O
2.)	8						48"	HEXAGON J-BOX, FIRE PULL	12				O
	9		20.0		208	3	36"	RANGE RECEP.	13				
	10			28.0 (2)	208	1	36"/48"	CONVECTION OVEN (2)	14				O
	11			20.0	120	1	@CLG.	RETRACTABLE CORD REEL RECEP.	16		O		
3.)	12			16.08	120/208	1	STUB	HOT FOOD COUNTER RECEP.	19a		O		
3.)	13			2.38	120	1	STUB	COLD FOOD COUNTER RECEP.	19b		O		
	14			25.4	208	1	48"	COFFEE BREWER RECEP.	21		O		

1.) EXTEND CONDUIT DOWN FROM JUNCTION BOX MOUNTED ABOVE FINISH CEILING TO CONTROL PANEL BY E.C. SEE SHEET K-502 FOR FURTHER VENTILATOR DETAILS.

2.) EXTEND 1/2" DIA. OPEN RIGID CONDUIT FROM TOP OF PULL BOX UP IN WALL TO 6" ABOVE FINISH CLG. BY E.C.

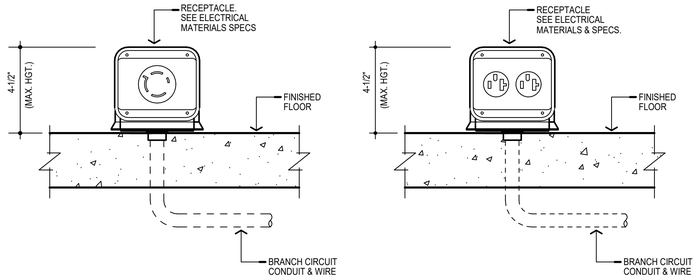
3.) SEE FLOOR RECEPTACLE DETAIL THIS SHEET.

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
J	JUNCTION BOX W/FINAL CONN. TO EQUIPMENT
(J)	JUNCTION BOX (INSTALLED IN EQUIPMENT BY K.E.C. OR MFR.)
	DUPLEX CONVENIENCE OUTLET
	DUPLEX CONVENIENCE OUTLET (INSTALLED IN EQUIP. BY K.E.C. OR MFR.)
	POWER OUTLET, 1 PHASE
	POWER OUTLET, 1 PHASE (INSTALLED IN EQUIP. BY K.E.C. OR MFR.)
	CONDUIT STUB W/FINAL CONN. TO EQUIPMENT
S	SWITCH
S	SWITCH (INSTALLED IN EQUIPMENT BY K.E.C. OR MFR.)
P	OCTAGON J-BOX, FIRE PULL
L.E.D.	L.E.D. LIGHT FIXTURE
D.F.A.	DOWN FROM ABOVE
#	ROUGH-IN NUMBER (SEE ELECTRICAL SCHEDULE)
E.C.	ELECTRICAL CONTRACTOR
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR

KITCHEN ELECTRICAL GENERAL NOTES:

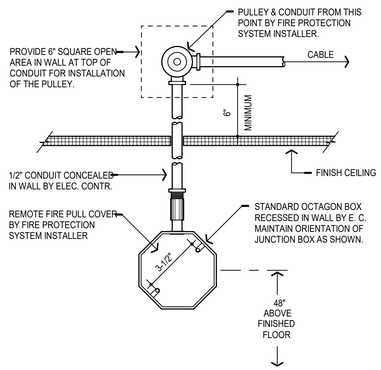
1. ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLT, 3-PH; 480 VOLT, 3-PH, 4-WIRE, 60 HERTZ.
2. ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
3. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ROUGH-IN OUTLET TYPES, HEIGHTS AND LOCATIONS, AND CONNECTION POSITIONS AND LOAD REQUIREMENTS. ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS AND FINISHED FLOORS. VERIFY FINISH WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.
4. ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX, OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX, AND ALL ELECTRICAL WORK FROM MAIN PANEL BOARDS SHALL BE BY THE ELECTRICAL CONTRACTOR.
5. FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR, INCLUDING MATERIALS.
6. PIPING, CONDUIT, AND SIMILAR CONSTRUCTION, LOCATED OUTSIDE A WALL, MUST BE INSTALLED SO THAT THERE IS A MINIMUM OF 3/4 INCH SPACE BETWEEN IT AND THE WALL.
7. ELECTRICAL CONTRACTOR (E.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
   A. ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC. IN DISHROOMS OR AS INDICATED ON SCHEDULE SHALL BE MOISTURE-PROOF.
   B. ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A. RATED AND U.L. APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.
   C. SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF OF FOODSERVICE EQUIPMENT BENEATH HOODS/VENTILATORS AS REQUIRED BY N.F.P.A.-96, LATEST EDITION, AND LOCAL CODES.
   D. DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES.
8. WHEN APPLICABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.), AND INTERWIRE BETWEEN THE FOLLOWING:
   A. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS.
   B. WALK-IN COOLER/FREEZER LIGHTS (RUN CONDUIT ABOVE COMPARTMENT CEILING).
   C. REMOTE WALK-IN COOLER/FREEZER ALARM SYSTEMS (WHEN USED).
   D. CONTROL PANELS TO VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS.
   E. KITCHEN EXHAUST HOODS/VENTILATORS TO FIRE CONTROL SYSTEM, BUILDING ANNOUNCIATOR AND SHUT-OFF.
9. ALL ELECTRICAL CONDUIT PENETRATION ON WALK-IN BOX SHALL HAVE SEAL OFF FITTING FILL WITH THERMAL MASTIC FURNISH AND INSTALL BY E.C.



NOTE:
ALL RECEPTACLES IN SERVING LINE TO FACE OPERATOR SIDE.

FLOOR RECEPTACLE DETAIL

SCALE: NTS.



REMOTE FIRE PROTECTION PULL STATION DETAIL

SCALE: NTS.

DWG FILENAME

SEAL
STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT
DATE: 5/15/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026
ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.
AS--BUILT PER RECORD PRINT
BY:
DATE:
DGN BY:
DWN BY:
CHKD BY:

AS--BUILT / REVISION | BY | DATE | P.W.A NO.
CONTRACT COMPLETION BOX

KEY SHEET: UNE
POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12
DRAWING SCALE: PLAN SCALE: PER PLAN; PROFILE SCALE:
PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ELECTRICAL ROUGH-IN PLAN
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-103	25010 PO0
JOB ORDER NUMBER	10-701-1861
107 OF 195	
DRAWING NUMBER	2024 - 0324
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

HOOD INFORMATION - JOB#6942805

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	HOOD CONFIG ROW
1	12	6630 ND-2-PSP-F	CAPTIVEAIRE	7' 0"	600 DEG	I	HEAVY	225	1575			4"	14"	1575	1473	-0.593"	1339	304 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	12	CAPTRATE SOLO FILTER	5	20"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO	RIGHT	12"x66"x30"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1007 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	12	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 96.00" LONG 304 SS VERTICAL.
		STRUCTURAL FRONT PANEL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.

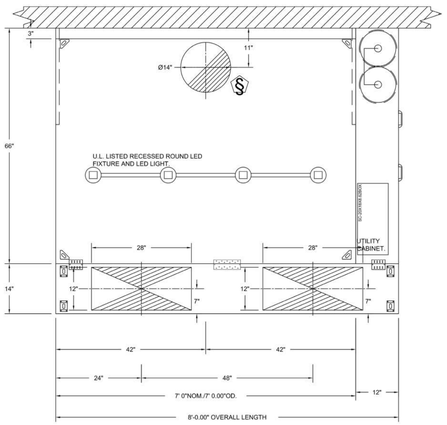
PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	12	Front	96"	14"	6"	MUA	12"	28"		669	0.170"
						MUA	12"	28"		669	0.170"

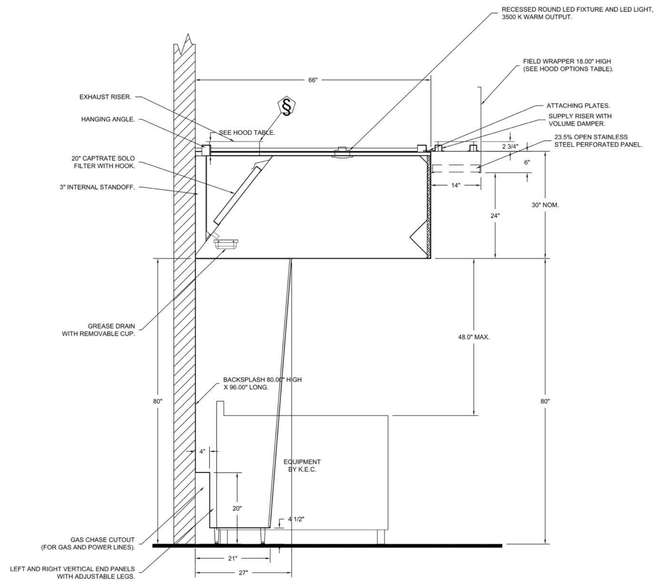
CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	18"
	RIGHT	0"

- "0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.
- HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.

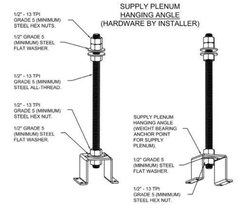


PLAN VIEW - HOOD #1 (12)
7' 0.00" LONG 6630ND-2-PSP-F



SECTION VIEW - MODEL 6630ND-2-PSP-F
HOOD - #1 (12)

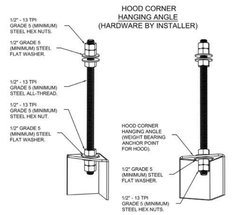
SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINES · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221 EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:
DATE REVIEWED:

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE
PLAN SCALE: PER PLAN
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
VENTILATION DETAILS
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

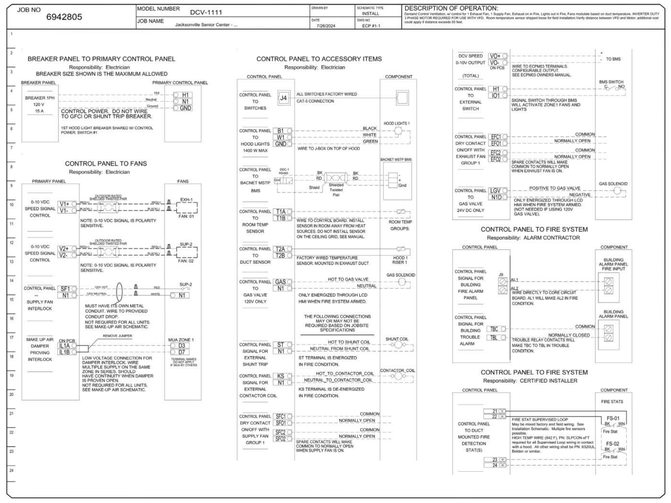
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-501	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	108 OF 195
	DRAWING NUMBER
	2024 - 0325
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

ELECTRICAL PACKAGE - JOB#6942805

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	B	HP	VOLT	FLA
1	12	DCV-1111	UTILITY CABINET RIGHT	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV					
				HOOD # 1	1 FAN						



VFD BY OTHERS

SEQUENCE OF OPERATION - HOOD CONTROLS
ELECTRICAL PACKAGE: DCV SERIES

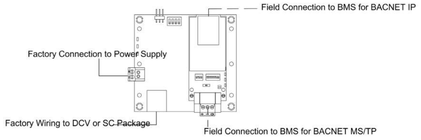
Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. One room temperature sensor is installed in the space to measure ambient air temperature.

Two methods to activate system:

Manual activation:
1. Operator presses the fan button to engage the exhaust fan(s) and the exhaust fan(s) begin operation in low-CFM Prep Mode. Dedicated make-up air units (if applicable) for the hood remain off in Prep Mode.
2. Operator turns on the cooking appliances. Once the exhaust air temperature reaches 10 degrees (F) above ambient temperature in the space, the exhaust system will ramp up to a preset minimum speed (low-volume cooking conditions). Makeup air fan will power on at this point (also at minimum speed).
3. As the temperature of the exhaust air increases, the exhaust and make-up air fan speeds increase proportionally. The fans will modulate between preset low-speed and high-speed exhaust levels, dependant upon on the exhaust air temperature (cooking load).
4. At any point, operator may engage the 100% override option on the touch screen and run the fans at full speed for a fixed period of time (adjustable). After this period, fan modulation based on temperature will resume.

Automatic activation:
1. If the operator does not manually engage the exhaust system, the SC-EMS will automatically activate Prep Mode when the exhaust air temperature reaches 5 degrees above ambient temperature. When the air temperature at the hood collar increases to 10 degrees above ambient, the exhaust and makeup air fans will ramp up to preset low speeds for low volume conditions.
2. System will continue operating per steps 3 & 4 (above)

At the end of the day, after cooking operations have ceased, the system will enter its Cool Down mode (similar to Prep mode). Once the exhaust air temperature drops to less than five degrees above ambient, the fans will shut off.



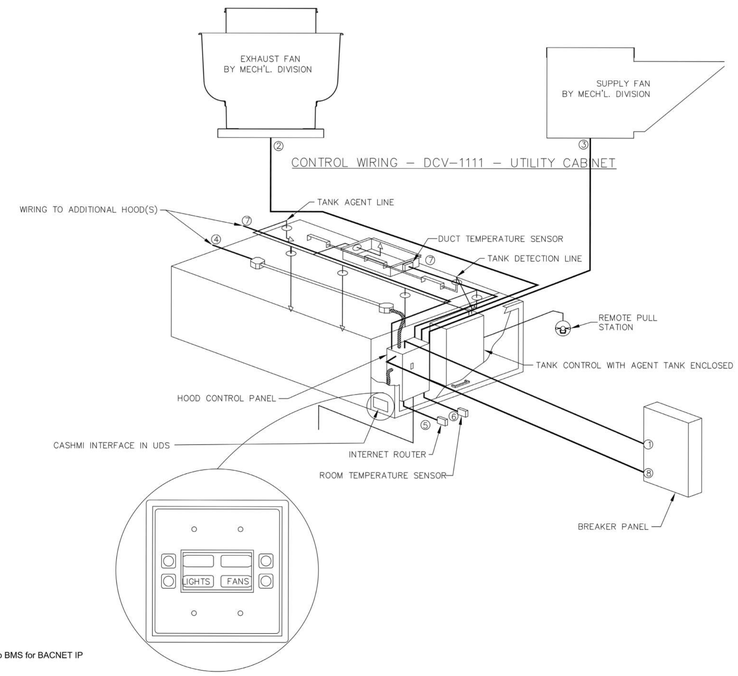
BACNET Interface for DCV and SC Packages

BACNET Interface for Hood Control Panel Specifications:
- Microprocessor-based Hood Controls support communications to an external Building Management System through a BTL listed gateway (BACNET IP and MS/TP).
- The Hood Control Panel communicates real time data from sensors and equipment status to the Building Management System. The Hood Control Panel also allows the Building Management System to control fans, lights and wash cycles.
- The monitoring and controlling points for Hood Smart Controls and Demand Control Ventilation Systems are listed below:

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function
Room Temperature	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR
Fan Amperage	MONITOR
Fan Power	MONITOR
VFD Faults	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Prep Time Button	MONITOR & CONTROL
Fans Button	MONITOR & CONTROL
Lights Button	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

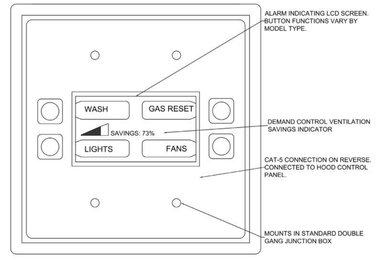
SC Packages	Function
Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR
MUA DIscharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Button(s)	MONITOR & CONTROL
Lights Button(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL



ROOM TEMPERATURE SENSOR BY K.E.C.

The Room Temperature sensor is a 10K Ohm Thermistor. The sensor provides constant room temperature to the controller. It should be installed on a wall somewhere in the space but not directly under the hood or close to an appliance so that the reading is not affected by heat.

Typically a system will have one room temperature sensor. However, systems configured with 2 fan zones have the option to be ordered with 2 room temperature sensors, one for each zone. They should be mounted in the space accordingly.



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STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

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KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
VENTILATION WIRING DIAGRAM
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-502	25010 PO0
	JOB ORDER NUMBER
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	109 OF 195
	DRAWING NUMBER
	2024 - 0326
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

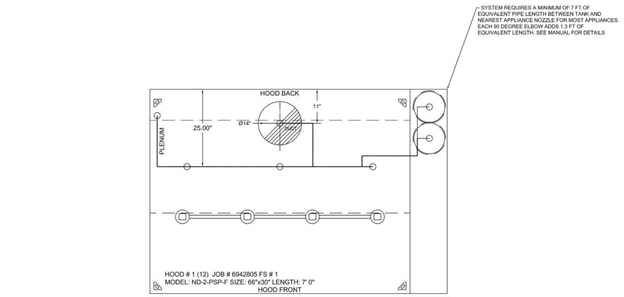
FIRE SYSTEM INFORMATION - JOB#6942805

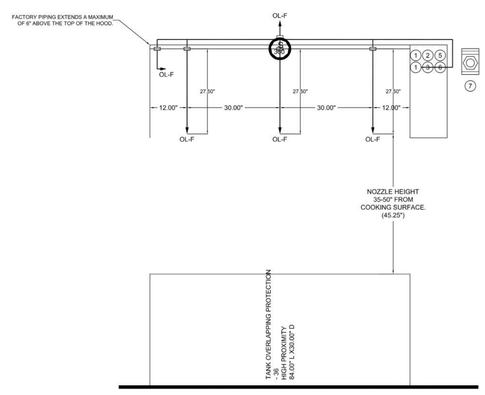
FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1	12	TANK FS	4.0/4.0	40	20	FIRE CABINET RIGHT	RIGHT, HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	12	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.





FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1	12	0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	2	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A314B4 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 6942805.
JOB NAME: JACKSONVILLE SENIOR CENTER - PHOENIX, MD.

SYSTEM SIZE: TANK-SP-2 DESIGN FP: 20. MAXIMUM FP: 40.
HOOD # 1 7' 0.00" LONG x 66" WIDE x 30" HIGH.
RISER # 1 SIZE: 14" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

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JACKSONVILLE SENIOR CENTER
FIRE SYSTEM DETAILS
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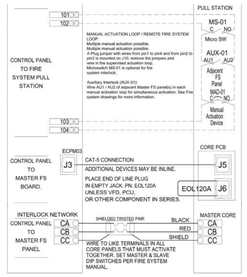
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-503	25010 PO0
	JOB ORDER NUMBER
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	FILE NO.: 8

DWG FILENAME

BID DOCUMENTS 5/15/2025

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6942805	DCV-1111		INSTALL	Demand Control Ventilation, w/ combiFIR 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Motor; additional cost could apply if distance exceeds 50 feet.
JOB NAME	Jacksonville Senior Center - ...	DATE 7/26/2024	DWG NO ECP #1-2	



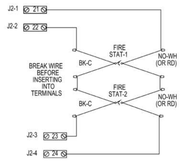
NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6942805	DCV-1111		INSTALL	Fire System #1 TANK FS - 4 GH-5 (12).
JOB NAME	Jacksonville Senior Center - ...	DATE 7/26/2024	DWG NO ECP #1-5	

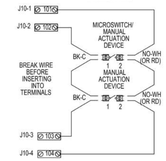
TANK PROTECTION LOW-VOLTAGE FIGURES

10/01/2023 Rev. 17

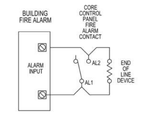
FS-1: MASTER



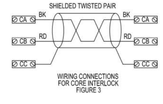
WIRING CONNECTIONS FOR FIRESTAT LOOP
FIGURE 1



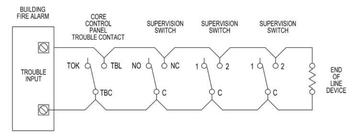
WIRING CONNECTIONS FOR MANUAL ACTUATION LOOP
FIGURE 1A



WIRING CONNECTIONS FOR FIRE ALARM CONTACT
FIGURE 2



WIRING CONNECTIONS FOR CORE INTERLOCK
FIGURE 3



WIRING CONNECTIONS FOR TROUBLE CONTACT
FIGURE 4

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6942805	DCV-1111		INSTALL	Fire System #1 TANK FS - 4 GH-5 (12).
JOB NAME	Jacksonville Senior Center - ...	DATE 7/26/2024	DWG NO ECP #1-3	

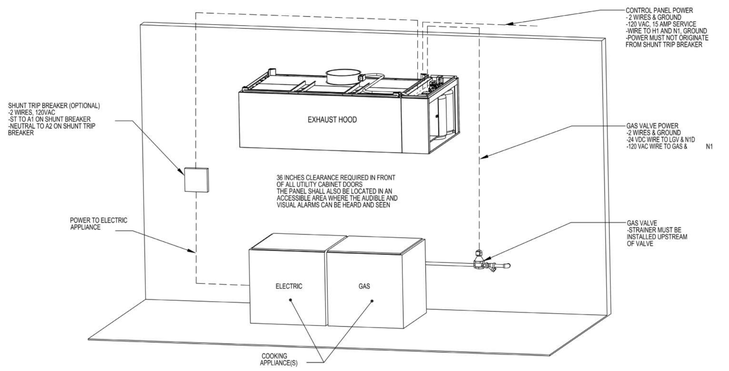
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST &N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1S (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1S TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6942805	DCV-1111		INSTALL	Fire System #1 TANK FS - 4 GH-5 (12).
JOB NAME	Jacksonville Senior Center - ...	DATE 7/26/2024	DWG NO ECP #1-4	

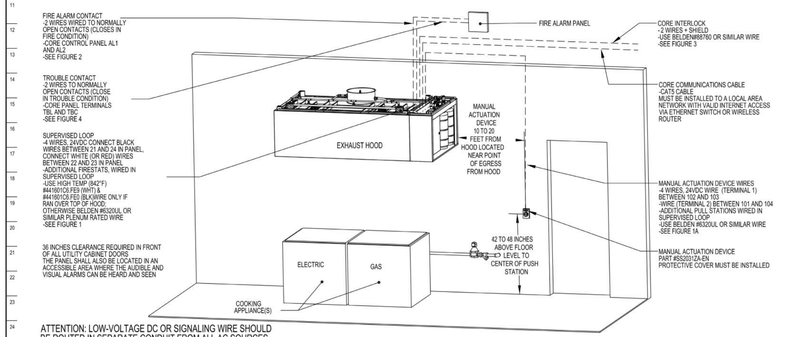
TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION ST1-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #4416012-5 FEI (WHT) & #4416012-6 FEI (BLK/WIRE OR SIMILAR ONLY IF RAN OVER TOP OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE. SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN 9376 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TCK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

DWG FILENAME

SEAL

STATE OF MARYLAND — SUSAN HAINS — No. 16221 — ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 16221, EXPIRATION DATE: 5/26/2026

ARCHITECT: GRIMM + PARKER ARCHITECTS, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY:

DWN BY:

CHKD BY:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

DRAWING SCALE

PLAN SCALE: PER PLAN

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TANK PROTECTION DETAILS

BID DOCUMENTS 5/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

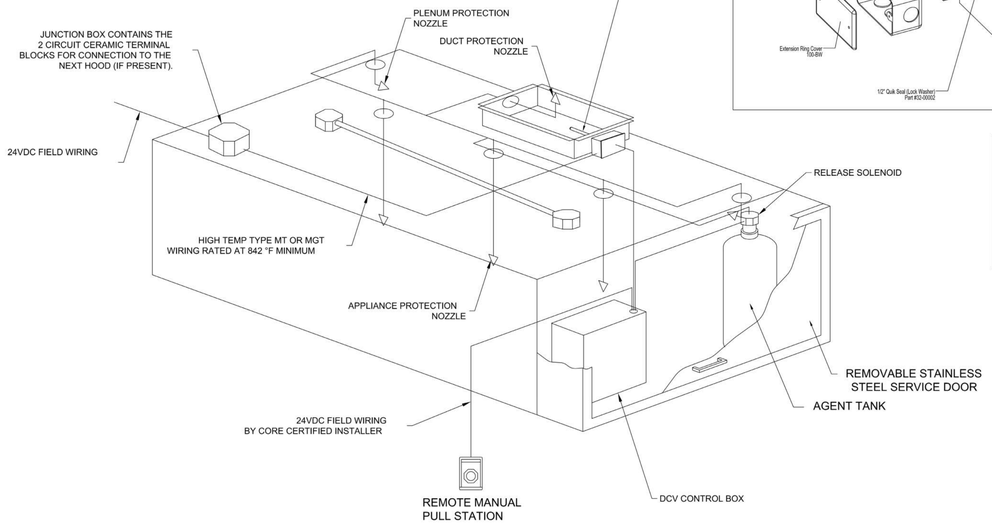
SHEET DESIGNATION	CONTRACT NUMBER
K-504	25010 PO0
JOB ORDER NUMBER	10-701-1861
111 OF 195	
DRAWING NUMBER	2024 - 0328
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

TYPICAL TANK SYSTEM LAYOUT

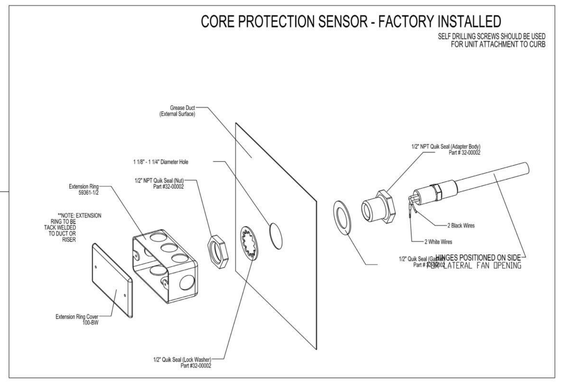
*** NOTE ***

SOLID FUEL APPLIANCES
NOT PERMITTED WITH
WET CHEMICAL FIRE SYSTEM.
PLEASE NOTIFY CAPTIVEAIRE
IMMEDIATELY IF A SOLID FUEL
COOKINGIS APPLIANCE IS
PRESENT AT THIS LOCATION



CORE PROTECTION SENSOR - FACTORY INSTALLED

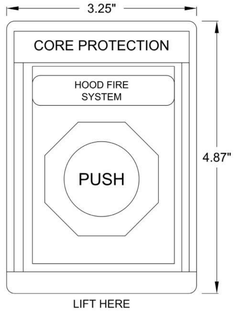
SELF DRILLING SCREWS SHOULD BE USED FOR UNIT ATTACHMENT TO CURB



*** NOTE ***

A FIRESTAT MUST BE
INSTALLED AT 50 FT
INTERVALS WHEN DUCT
LENGTH EXCEEDS 50 FT.

ELECTRIC WET CHEMICAL PULL STATION DETAIL



THE PUSH/PULL STATION IS A REMOTE MANUAL ACTIVATION DEVICE TO ACTIVATE THE FIRE SYSTEM. THIS REMOTE MANUAL ACTIVATION DEVICE (PUSH/PULL STATION) CONTAINS ONE SET OF NORMALLY OPEN CONTACTS, AND MOUNTS TO ANY STANDARD JUNCTION BOX. WHEN THE FRONT BUTTON IS PRESSED, THE ELECTRICAL CONNECTION TO THE FIRE SYSTEM IS COMPLETED, THUS ACTIVATING THE FIRE SYSTEM.

THE REMOTE MANUAL ACTIVATION (PUSH/PULL STATION) SHOULD BE MOUNTED AT A POINT OF EGRESS AND POSITIONED AT A HEIGHT DETERMINED BY THE AUTHORITY HAVING JURISDICTION (AHJ). THIS POSITION IS USUALLY 10 TO 20 FEET FROM THE HOOD AND 42 TO 48 INCHES ABOVE THE FLOOR. TO RESET, TWIST THE PUSH-BUTTON CLOCKWISE UNTIL THE INTERNAL LATCH IS RELEASED.

THE CLEAR PROTECTIVE COVER MUST BE INSTALLED TO PROTECT THE DEVICE FROM ACCIDENTAL ACTIVATIONS. THE COVER IS PROVIDED AS PART OF THE MANUAL ACTIVATION DEVICE.

DWG FILENAME

SEAL

STATE OF MARYLAND · SUSAN HAINS · No. 16221 · ARCHITECT

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

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BY:
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CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	PER PLAN
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
TANK SYSTEM LAYOUT
BID DOCUMENTS 5/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
K-505	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	112 OF 195
	DRAWING NUMBER
	2024 - 0329
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

GENERAL NOTES

FOUNDATION AND SLAB ON GRADE:

NOTE: 1
FOOTINGS ARE DESIGNED FOR A BEARING CAPACITY OF 3000 PSF BASED ON THE GEOTECHNICAL REPORT PREPARED BY GEOTECT ENGINEERS, INC DATED FEBRUARY 14, 2024. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL 1'-0" BELOW ORIGINAL GRADE OR ON STRUCTURALLY COMPACTED FILL. BOTTOM OF EXTERIOR FOOTINGS SHALL BE 3'-0 BELOW FINISHED GRADE. A GEOTECHNICAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION SHALL VERIFY THE SOIL BEARING CAPACITY IN THE FIELD. IF FOUND TO BE LESS THAN THE REQUIRED BEARING PRESSURE, THE FOOTINGS WILL HAVE TO BE REDESIGNED.

NOTE: 2
ALL FILL UNDER SLABS-ON-GRADE SHALL BE COARSE GRANULAR MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM WATER CONTENT. SLABS-ON-GRADE SHALL BE POURED IN ACCORDANCE WITH ACI 302.1R, "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (LATEST LOCAL APPROVED EDITION). SAW CUT CONTROL JOINTS SUCH THAT TOTAL AREA BOUNDED BY SAW CUTS AND FORMED EDGES DOES NOT EXCEED 400 FT² AND LONG SIDE TO SHORT SIDE DOES NOT EXCEED A 1.5:1 RATIO. PROVIDE #4 x3'-0" LONG BAR AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL/CONSTRUCTION JOINT TERMINATING.

CONCRETE:

NOTE: 1
CONCRETE, UNLESS OTHERWISE NOTED ON THE PLANS OR SCHEDULES, SHALL BE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS (f'_c):

- FOOTINGS ----- 4000 PSI
- SLAB ON GRADE ----- 4000 PSI
- PIERS ----- 5000 PSI
- WALLS ----- 5000 PSI

CONCRETE NOT OTHERWISE SPECIFIED SHALL BE f'_c=4000 PSI NORMAL WEIGHT CONCRETE. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE f'_c=5000 PSI MINIMUM AND SHALL BE AIR ENTRAINED FOR EXPOSURE CLASS F3 PER ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION).

NOTE: 2
ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM DESIGNATION A615 (LATEST LOCAL APPROVED EDITION), GRADE 60. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI SP-66, "ACI DETAILING MANUAL" (LATEST LOCAL APPROVED EDITION).

NOTE: 3
ALL SPLICES IN REINFORCING SHALL BE CLASS "B" SPLICES IN ACCORDANCE WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION) EXCEPT AS OTHERWISE NOTED.

NOTE: 4
WELDED WIRE FABRIC (W.W.F.) SHALL HAVE ENDS LAPPED ONE FULL MESH AND SHALL BE ADEQUATELY SUPPORTED BY CHAIRS OR BOLSTERS. WELDED WIRE FABRIC SHALL BE PLACED WITHIN THE UPPER THIRD OF THE SLAB ON GRADE.

NOTE: 5
WALL FOOTING REINFORCING SHALL EXTEND 2'-0" INTO ADJACENT COLUMN FOOTING, UNLESS OTHERWISE NOTED.

NOTE: 6
UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS, PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:

CAST AGAINST EARTH = 3"
EXPOSED TO EARTH OR WEATHER:
NO. 6 AND LARGER BARS = 2"
NO. 5 AND SMALLER BARS = 1 1/2"
NOT EXPOSED TO EARTH OR WEATHER:
SLABS AND WALLS = 3/4"
BEAMS AND COLUMNS = 1 1/2" TO TIES, STIRRUPS OR SPIRALS

NOTE: 7
UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING MINIMUM REINFORCING IN CONCRETE WALLS:

12" WALL: #4 AT 12" VERTICAL EACH FACE
#4 AT 12" HORIZONTAL EACH FACE
#5 AT 12" DOWELS AT WALL CENTERLINE

NOTE: 8
OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. SEE MEP AND ARCHITECTURAL DRAWINGS FOR HOLES IN SLABS NOT SHOWN.

NOTE: 9
CONDUITS IN STRUCTURAL MEMBERS:
a. CONDUITS SHALL ONLY BE PLACED IN THE MIDDLE THIRD OF THE DEPTH OF THE SLAB OR WALL.
b. NO CONDUIT WITH AN OUTSIDE DIAMETER GREATER THAN ONE THIRD OF THE SLAB OR WALL THICKNESS SHALL BE PLACED IN THE SLAB OR WALL.
c. NO CONDUITS SHALL BE PLACED IN THE SLAB OR WALL UNLESS SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS.
d. CONDUITS WHICH CROSS OVER ONE ANOTHER IN A CONCRETE SLAB OR WALL SHALL NOT OCCUPY A TOTAL SPACE AT THE POINT OF CROSSOVER GREATER THAN ONE THIRD THE DEPTH OF THE SLAB OR WALL.
e. NO CONDUITS SHALL BE PLACED IN A PIER.

CONCRETE CONTINUED:

NOTE: 10
CONSTRUCTION JOINTS IN WALLS AND SLABS SHALL BE LOCATED MIDWAY BETWEEN SUPPORTS. WHEN AN INTERSECTING MEMBER OCCURS AT MIDSPAN, THE JOINT SHALL BE OFFSET TWICE THE WIDTH OF THE INTERSECTING MEMBER. BEFORE FRESH CONCRETE IS POURED AGAINST CONCRETE IN PLACE, THE CONTACT SURFACES SHALL BE THOROUGHLY CLEANED, ALL LAITANCE SHALL BE REMOVED AND THE CONTACT SURFACES SHALL BE THOROUGHLY SLUSHED WITH GROUT CONSISTING OF ONE PART SAND TO ONE PART CEMENT WITH A MINIMUM AMOUNT OF WATER.

NOTE: 11
CONSTRUCTION JOINTS SHALL HAVE THE SURFACE OF THE FIRST POUR ROUGHENED TO 1/4" AMPLITUDE, UNLESS OTHERWISE NOTED.

NOTE: 12
THE CONTRACTOR MUST SUBMIT A CONCRETE DESIGN MIX IN ACCORDANCE WITH ACI 318 (LATEST LOCAL APPROVED EDITION). SUCH DESIGN MIX SHALL BE ACCOMPANIED BY THE APPROPRIATE GRAPHS AND BACKGROUND DATA. CONCRETE DESIGN MIX SHALL INDICATE 7 AND 28 DAY STRENGTHS, CEMENT CONTENT, WATER-CEMENT RATIO, FINE AND COARSE AGGREGATES AND ADMIXTURES FOR EACH DESIGN STRENGTH. THE ADDITION OF WATER AT THE PLANT OR IN THE FIELD GREATER THAN THE SPECIFIED WATER CONTENT IS STRICTLY PROHIBITED.

NOTE: 13
ALL CONCRETE WORK SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF THE FOLLOWING ACI AND ASTM DOCUMENTS:

- ACI-301 SPECIFICATIONS FOR STRUCTURAL CONCRETE
- ACI-318 CODE
- ACI-214 COMPRESSIVE TEST
- ACI-306 COLD WEATHER
- ACI SP-66 DETAILING
- ACI-347 FORMWORK
- ACI-305 HOT WEATHER
- ACI-211 PROPORTIONS OF CONCRETE
- ACI-304 PLACING CONCRETE
- ASTM C-94 READY-MIX CONCRETE

NOTE: 14
ALL FIELD AND LAB TESTING OF CONCRETE SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF ASTM:

- ASTM C-31 FIELD CYLINDER SPECIMENS
- ASTM C-143 SLUMP TEST
- ASTM C-231 AIR CONTENT (WHEN REQUIRED)
- ASTM C-39 LAB TESTING CYLINDERS
- ASTM C-172 SAMPLING FRESH CONCRETE
- ASTM C-42 HARDENED CORES (WHEN REQUIRED)

TEST RESULTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

NOTE: 15
ALL FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347, "GUIDE TO FORMWORK FOR CONCRETE" (LATEST LOCAL APPROVED EDITION).

MASONRY:

NOTE: 1
CONCRETE MASONRY SHALL CONFORM TO THE LATEST EDITION OF ASTM SPECIFICATION C90. CONCRETE MASONRY SHALL BE SAMPLED AND TESTED BY THE MASONRY SUPPLIER ACCORDING TO ASTM C140. ALL CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) AND TMS 602, "SPECIFICATION FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION).

NOTE: 2
UNLESS OTHERWISE NOTED, CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI ON THE NET AREA. ALL BRICK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3350 PSI ON THE NET AREA.

NOTE: 3
ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR TO BE USED SHALL BE SAMPLED AND TESTED BY THE BRICK AND MASONRY SUPPLIERS ACCORDING TO ASTM C780 AND RESULTS SUBMITTED TO THE ENGINEER FOR APPROVAL. MORTAR SHALL BE PORTLAND CEMENT/LIME MORTAR TYPE "S" AS A MINIMUM.

NOTE: 4
ALL SOLID CMU SHALL BE 100% SOLID BLOCK OR HOLLOW BLOCK WITH CELLS FILLED 100% SOLID WITH f 'c=3000 PSI COARSE AGGREGATE GROUT CONFORMING TO ASTM C476. GROUT SHALL BE PLACED IN POUR HEIGHTS NOT TO EXCEED 4'-0" AS CMU CONSTRUCTION PROGRESSES. THE WEBS OF THE MASONRY UNITS SHALL BE FULLY MORTARED AROUND ALL GROUTED CELLS.

NOTE: 5
ALL REINFORCED CELLS IN HOLLOW BLOCK SHALL BE GROUTED 100% SOLID PER NOTE ABOVE.

NOTE: 6
ALL SPLICES IN REINFORCING STEEL FOR MASONRY WALLS SHALL AS FOLLOWS UNLESS NOTED OTHERWISE:

- #4 BAR ----- 2'-8"
- #5 BAR ----- 3'-4"
- #6 BAR ----- 4'-0"

MASONRY CONTINUED:

NOTE: 7
ALL CMU WALLS 8" OR WIDER SHALL HAVE THE FOLLOWING MINIMUM REINFORCING UNLESS NOTED OTHERWISE:

- EXTERIOR WALLS.....#5 AT 48" o.c.

NOTE: 8
REINFORCING BAR POSITIONERS SHALL BE USED TO HOLD BARS IN PROPER LOCATION. POSITIONERS SHALL BE PLACED AT A MAXIMUM VERTICAL SPACING OF 48"o.c.

NOTE: 9
ALL MASONRY ANCHORS SHALL BE INSTALLED IN MASONRY THAT HAS BEEN GROUTED SOLID A MINIMUM OF 8" ABOVE AND BELOW THE ANCHOR AND A MINIMUM OF 8" EACH SIDE OF THE ANCHOR.

NOTE: 10
MASONRY CONSTRUCTION SHALL BE INSPECTED PER TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) REQUIRED QUALITY ASSURANCE LEVEL 2.

NOTE: 11
CONDUIT PLACED IN MASONRY SHALL CONFORM TO TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION). A SINGLE VERTICAL CONDUIT WITH A MAXIMUM DIAMETER OF 1" IS PERMITTED IN MASONRY PIERS. CONDUIT SHALL BE PLACED A MINIMUM 1" CLEAR FROM ALL VERTICAL REINFORCEMENT. LARGER CONDUIT AND/OR GREATER QUANTITIES ARE NOT PERMITTED IN MASONRY PIERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD. NO CONDUIT SHALL BE PLACED IN BOND BEAMS.

STEEL:

NOTE: 1
ALL STEEL JOISTS SHALL CONFORM TO THE SJI STANDARD SPECIFICATIONS IN ALL RESPECTS AND SHALL HAVE BRIDGING IN ACCORDANCE WITH THE SJI SPECIFICATIONS. JOISTS SHALL BE WELDED TO STEEL SUPPORTS PER SJI SPECIFICATIONS. JOISTS SUPPORTED BY A COLUMN SHALL BE WELDED TO THE COLUMN WITH 1/8"x2" LONG FILLET WELD EACH SIDE UNLESS NOTED OTHERWISE.

NOTE: 2
STRUCTURAL STEEL FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM SPECIFICATION A992. STRUCTURAL STEEL FOR HSS MEMBERS SHALL CONFORM TO ASTM SPECIFICATION A500 GRADE C. STRUCTURAL STEEL FOR PIPES SHALL CONFORM TO ASTM SPECIFICATION A53 TYPE E, GRADE B. ALL OTHER STEEL SHALL CONFORM TO ASTM SPECIFICATION A36. MILL TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT. ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL, AISC SPECIFICATION AND AISC CODE OF STANDARD PRACTICE. ALL CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL DEVELOP THE ALLOWABLE UNIFORM LOAD OF THE BEAM. IN GENERAL, FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER A325 BOLTS UNLESS OTHERWISE NOTED AND SHOP CONNECTIONS SHALL BE WELDED.

NOTE: 3
BOLTS, EXCEPT AS NOTED, NEED ONLY BE INSTALLED TO THE "SNUG TIGHT" CONDITION AS DEFINED IN THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS." BOLTS IN BEAM TO COLUMN CONNECTIONS THAT HAVE SLOTTED HOLES, BOLTS NOTED AS SLIP CRITICAL, AND BOLTS SUBJECT TO DIRECT TENSION SHALL BE FULLY PRE-TENSIONED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS" (LATEST LOCAL APPROVED EDITION).

NOTE: 4
WELDS SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES.

NOTE: 5
ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE, SINGLE ANGLE, SINGLE PLATE, OR THRU PLATE CONNECTIONS PER THE TYPICAL DETAILS OF THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE SELECTED BY THE STEEL DETAILER BASED ON THE CONNECTION TABLES PROVIDED IN THE TYPICAL DETAILS. LOADS SHOWN IN THE DRAWINGS ARE ASD LOADS UNLESS OTHERWISE NOTED.

NOTE: 6
ALL GROOVE WELDS SHALL BE FULL PENETRATION GROOVE WELDS IN ACCORDANCE WITH ANSI/AWS D1.1, "STRUCTURAL WELDING CODE" (LATEST LOCAL APPROVED EDITION). THESE WELDS SHALL BE MADE ONLY BY OPERATORS QUALIFIED BY PRESCRIBED TESTS IN THE "STRUCTURAL WELDING CODE." ACCEPTANCE SHALL BE SUBJECT TO THE INSPECTION AND REVIEW OF AN INDEPENDENT INSPECTION AGENCY. ALL FULL PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED.

NOTE: 7
HOLES AND OPENINGS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

NOTE: 8
FIELD MODIFICATION OF THE STRUCTURAL STEEL IS NOT ALLOWED WITHOUT PRIOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.

NOTE: 9
WELDING SEQUENCE AND TECHNIQUE SHALL BE SUCH THAT DISTORTION OF STEEL MEMBERS IS MINIMIZED AND UNDUE DISTORTION IS AVOIDED.

STEEL CONTINUED:

NOTE: 10
ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A RUST INHIBITIVE PRIMER. ALL EXPOSED STEEL AND LINTELS IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED. REFER TO ARCHITECTURAL DRAWINGS FOR GALVANIZED STEEL THAT SHALL RECEIVE A PAINTED FINISH COAT.

NOTE: 12
TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL THE INSTALLATION OF THE FOLLOWING ITEMS HAS BEEN COMPLETED AND INSPECTED:

- METAL ROOF DECK
- LATERAL BRACING COMPONENTS INCLUDING ANCHOR BOLTS
- MOMENT CONNECTIONS

METAL DECK:

NOTE: 1
FABRICATION AND ERECTION OF ALL METAL DECK SHALL CONFORM TO THE LATEST EDITION OF STEEL DECK INSTITUTE SPECIFICATIONS.

NOTE: 2
METAL DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES:

- ACOUSTIC ROOF DECK --- I = 0.277 IN⁴ , S = 0.306 IN³
- ENVISTA EPIC ACOUSTIC ROOF DECK --- I = 2.86 IN⁴ , S = 1.06 IN³

NOTE: 3
ALL METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER 3 SPANS MINIMUM AND SHALL BEAR AT LEAST 2" ON STEEL SUPPORTS. FOR ONE OR TWO SPAN CONDITIONS, THE CONTRACTOR SHALL PROVIDE SHORING OR FURNISH HEAVIER GAGE DECK AS REQUIRED TO SUPPORT ALL THE APPLICABLE LOADS. THE CONTRACTOR SHALL SUBMIT THE ALTERNATE LAYOUT FOR APPROVAL.

NOTE: 4
DECK SHALL BE WELDED TO SUPPORTING STEEL AT ENDS OF UNITS AND AT ALL INTERMEDIATE SUPPORTS AT 12"o.c., AND AS NOTED ON PLANS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SIDE LAPS SHALL BE WELDED OR SCREWED AT MID SPAN AND AS NOTED ON PLANS.

NOTE: 5
PROVIDE RIDGE AND VALLEY PLATES, REINFORCING CHANNELS, STANDARD CLOSURES, CANT STRIPS, SUMP PANS, FINISH STRIPS, AND OTHER ACCESSORIES AS SHOWN ON THE DRAWINGS OR AS REQUIRED.

NOTE: 6
DO NOT HANG ANY EQUIPMENT, LIGHTS, DUCTS, PIPES, ETC., FROM METAL ROOF DECK.

COLD-FORMED METAL FRAMING:

NOTE: 1
GALVANIZED STUDS, JOISTS, AND TRACKS, 12, 14, AND 16 GAGE SHALL BE FORMED FROM STEEL THAT CONFORMS TO ASTM A653, GRADE 50. GALVANIZED 18 AND 20 GAGE STUDS, JOISTS, TRACKS, AND ALL GALVANIZED BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A653 GRADE 33.

NOTE: 2
ALL COLD-FORMED METAL FRAMING SHALL BE FORMED FROM STEEL HAVING A G-90 GALVANIZED COATING.

NOTE: 3
FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTING. PREFABRICATED PANELS SHALL BE SQUARE WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING. HANDLING AND LIFTING OF PREFABRICATED FRAME PANELS SHALL BE DONE IN A MANNER AS NOT TO CAUSE DISTORTION IN ANY MEMBER.

NOTE: 4
PROVIDE UNIFORM AND LEVEL BEARING SUPPORT FOR THE BOTTOM TRACK.

NOTE: 5
AT TRACK BUTT JOINTS, ABUTTING PIECES OF TRACK SHALL BE BUTT WELDED OR SPLICED TOGETHER.

NOTE: 6
STUDS SHALL BE PLUMBED, ALIGNED, AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF THE TRACKS. THE ENDS OF THE STUDS MUST BEAR AGAINST THE WEB OF BOTH UPPER AND LOWER TRACKS, UNLESS OTHERWISE NOTED.

NOTE: 7
SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.

NOTE: 8
WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION. BRIDGING ROWS SHALL BE EQUALLY SPACED NOT TO EXCEED 4'-0"o.c.

NOTE: 9
TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION OF THE STRUCTURAL SYSTEM IS COMPLETE.

NOTE: 10
SIZES AND GAGES OF COLD-FORMED METAL FRAMING SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. FRAMING SHALL BE DESIGNED FOR THE WIND LOADS REQUIRED BY THE LOCAL BUILDING CODE AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. FOR BIDDING PURPOSES, PROVIDE MULTIPLE STUDS AT EACH SIDE OF OPENINGS EQUAL TO ONE-HALF OPENING WIDTH DIVIDED BY THE STUD SPACING.

WOOD:

NOTE: 1
STRUCTURAL WOOD TRUSSES SHALL BE SPRUCE PINE FIR No.1 / No.2. ALL FABRICATION, ERECTION, OTHER PROCEDURES, AND MINIMUM UNIT STRESSES SHALL CONFORM TO THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (LATEST LOCAL APPROVED EDITION).

NOTE: 2
WOOD ROOF TRUSS DESIGNS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. THE MINIMUM ROOF LIVE LOAD IS 30 PSF, AND THIS SHALL BE INCREASED AS REQUIRED BY THE LOCAL BUILDING CODE. THE MINIMUM TOP CHORD SUPERIMPOSED DEAD LOAD IS 20 PSF. THE WIND LOAD IS AS REQUIRED BY THE LOCAL BUILDING CODE. ALL CONNECTIONS AND ATTACHMENTS TO GIRDER TRUSSES, BEARING WALLS, AND BEAMS MUST BE DESIGNED BY THE TRUSS SUPPLIER FOR THE APPROPRIATE LIVE AND DEAD LOAD COMBINATIONS, PLUS EFFECTS FROM WIND.

NOTE: 3
PREFABRICATED WOOD TRUSS MANUFACTURER MUST PROVIDE THE NECESSARY LATERAL BRACING BETWEEN THE TRUSSES TO INSURE TRUSS STABILITY AND STRENGTH.

NOTE: 4
ANY HORIZONTAL DEFLECTIONS OF THE ROOF TRUSSES DUE TO THE TRUSS CONFIGURATION SHALL BE ACCOUNTED FOR IN THE TRUSS CONNECTION DETAIL AND SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW.

NOTE: 5
ALLOWANCE SHALL BE MADE BY THE CONTRACTOR FOR POTENTIAL UPLIFT OF ROOF TRUSS BOTTOM CHORDS THAT MIGHT BE CAUSED BY DISTORTION OF THE TRUSS MEMBERS DUE TO VARIATIONS IN MOISTURE CONTENT OF THE TRUSS MEMBERS.

SUPPORT FOR DUCTWORK, PIPING AND MECHANICAL UNITS:

NOTE: 1
NO MECHANICAL UNITS SHALL BE PLACED ON OR HUNG FROM JOISTS WITHOUT THE APPROVAL OF THE ENGINEER. NO UNITS SHALL BE SUPPORTED FROM THE BOTTOM CHORD OF THE JOIST.

NOTE: 2
DUCTWORK AND PIPING SHALL ONLY BE HUNG FROM THE STEEL FRAMING. AT JOISTS, HANGERS SHALL BE SUPPORTED FROM THE TOP CHORD PANEL POINT AND THE LOAD ON INDIVIDUAL HANGERS SHALL NOT EXCEED 300 POUNDS.

NOTE: 3
PIPE RISERS SHALL BE SUPPORTED FROM THE FLOOR SLAB BELOW WITH A CLAMP OR STANCHION.

NOTE: 4
JOISTS HAVE BEEN DESIGNED FOR A UNIFORM HANGING SPRINKLER LOAD OF 3 PSF. THE SPRINKLER CONTRACTOR SHALL SPACE THE SPRINKLERS SO THAT THE UNIFORM HANGING SPRINKLER LOAD IS NOT EXCEEDED. SPRINKLER LINES 4" AND LARGER THAT RUN PARALLEL WITH THE JOISTS SHALL BE PLACED EVENLY BETWEEN TWO JOISTS. SPRINKLER PIPES SHALL BE HUNG FROM THE TOP CHORD PANEL POINT OF THE JOISTS AND THE LOAD ON EACH INDIVIDUAL HANGER SHALL NOT EXCEED 300 POUNDS.

NOTE: 5
THE MAXIMUM TOTAL HUNG LOAD ON ANY SINGLE JOIST FROM MULTIPLE HANGERS SHALL NOT EXCEED 900 POUNDS.

RIGGING, HOISTING AND SCAFFOLDING REQUIREMENTS:

NOTE: 1
THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT FOR REVIEW A SITE SPECIFIC RIGGING AND HOISTING PLAN FOR ALL MAJOR EQUIPMENT THAT WILL BE TRANSPORTED THROUGH OR HOISTED FROM THE BUILDING. THE PLAN SHALL INCLUDE THE SEQUENCE OF ERECTION, THE DESCRIPTION OF THE RIGGING, HOISTING AND TRANSPORTATION EQUIPMENT AND THE SITE PREPARATIONS THAT WILL BE NEEDED TO COMPLETE THE INSTALLATION.

NOTE: 2
THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT FOR REVIEW A SITE SPECIFIC PLAN FOR ALL SCAFFOLDING THAT WILL BE INSTALLED ON ROOFS.

NOTE: 3
THE PROPOSED RIGGING, HOISTING OR SCAFFOLDING PLAN SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. THE PROFESSIONAL ENGINEER SHALL PROVIDE A SIGNED AND SEALED CERTIFICATION STATING THAT THE PROPOSED PLAN WILL NOT DAMAGE OR OVERSTRESS THE STRUCTURE.

NOTE: 4
IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE LOADS SUPERIMPOSED BY THE RIGGING, HOISTING OR SCAFFOLDING SYSTEMS WILL NOT EXCEED THE FOLLOWING LOADS:

- ROOFS = 30 PSF

NOTE: 5
THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL FINISHES.

SUBMITTALS:

NOTE: 1
THIRTY (30) DAYS PRIOR TO SUBMITTING SHOP DRAWINGS, THE GENERAL CONTRACTOR SHALL SUBMIT A SCHEDULE TO THE DESIGN TEAM THAT DETAILS THE ESTIMATED QUANTITY OF SUBMITTALS AND THE ANTICIPATED SUBMISSION DATES. THE STRUCTURAL ENGINEER SHALL HAVE THE OPPORTUNITY TO REVIEW THE PROPOSED SCHEDULE AND REQUEST ADJUSTMENTS IF DEEMED NECESSARY. THE GENERAL CONTRACTOR SHALL INCORPORATE THE DESIGN TEAM COMMENTS AND SUBMIT A FINAL SUBMITTAL SCHEDULE TO THE DESIGN TEAM FOR APPROVAL. NO MODIFICATIONS OR ADDITIONS TO THE APPROVED SCHEDULE ARE PERMITTED WITHOUT AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND ARCHITECT AT LEAST ONE MONTH IN ADVANCE OF THE PROPOSED DEVIATION.

NOTE: 2
SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED FOR REVIEW BY THE CONTRACTOR. IF A CONTRACTOR FAILS TO SUBMIT THE SHOP DRAWINGS, COLUMBIA ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND/OR THE DESIGN OF THE PROJECT. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL STATE IN WRITING ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS BEFORE SUBMISSIONS, MAKE NECESSARY CORRECTIONS, AND CERTIFY EACH SUBMITTAL AS FOLLOWS:

"I CERTIFY THAT THE CONTRACT DOCUMENT REQUIREMENTS HAVE BEEN MET, THE SHOP DRAWINGS ARE BASED ON THE LATEST SET OF CONSTRUCTION DOCUMENTS, THE ARCHITECT'S AND STRUCTURAL ENGINEER'S COMMENTS FROM PREVIOUS SUBMITTALS HAVE BEEN ADDRESSED, REVISIONS FROM PREVIOUS SUBMITTALS HAVE BEEN CLEARLY MARKED BY CLOUDS, AND ALL DIMENSIONS, CONDITIONS, AND QUANTITIES ARE VERIFIED AS SHOWN AND/OR AS CORRECTED ON THIS SUBMITTAL."

(FOR CONTRACTOR)

SUBMITTALS THAT ARE NOT STAMPED BY THE CONTRACTOR OR THAT DO NOT MEET THE ABOVE REQUIREMENTS SHALL BE RETURNED BY THE STRUCTURAL ENGINEER WITHOUT REVIEW OR COMMENT.

NOTE: 3
COLUMBIA ENGINEERING'S REVIEW OF SUBMITTALS SHALL BE FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.

NOTE: 4
REPRODUCTION OF THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED AS SHOP DRAWINGS.

NOTE: 5
SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER REVIEW:
a. CONCRETE/GROUT MIX DESIGN.
b. CONCRETE/MASONRY REINFORCING STEEL.
c. CONSTRUCTION/CONTROL JOINT LAYOUT FOR SLABS ON GRADE.
d. CONSTRUCTION/CONTROL JOINT LAYOUT FOR CONCRETE WALLS.
g. STRUCTURAL STEEL.
h. STEEL JOISTS.
i. METAL DECK.
SEE SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS.

NOTE: 6
THE FOLLOWING ITEMS REQUIRE DELEGATED STRUCTURAL DESIGN BY THE SUPPLIER:
a. CURTAIN WALL SYSTEMS.
b. COLD-FORMED FRAMING.
c. METAL STAIRS.
d. HANDRAILS AND GUARDS.
e. LADDERS.
f. CANOPIES.
g. PHOTOVOLTAIC ARRAYS AND ASSOCIATED SUPPORTS AND BALLAST.
h. ARCHITECTURAL ORNAMENTATIONS (FLAG POLES, SIGNS AND BANNERS, MASTS, ETC.)
i. WINDOW WASHING AND FALL PROTECTION SYSTEMS.
k. MECHANICAL/ELECTRICAL/PLUMBING HANGER CONNECTIONS.
l. LIGHT POLE BASES.
m. SITE RETAINING WALLS.
n. WOOD TRUSSES
SUBMITTALS FOR THE ABOVE ITEMS SHALL BE PREPARED UNDER THE SUPERVISION OF A DELEGATED PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. THE DELEGATED ENGINEER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL APPLICABLE BUILDING CODES AND LOADING CONDITIONS. SHOP DRAWING AND CALCULATIONS SHALL BE SIGNED AND SEALED BY THE CERTIFYING PROFESSIONAL AND SUBMITTED FOR REVIEW. SEE SPECIFICATIONS FOR ADDITIONAL DELEGATED DESIGN SUBMITTALS AND REQUIREMENTS.

NOTE: 7
THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT TYPICAL BEAM CONNECTION DETAILS FOR REVIEW AND APPROVAL A MINIMUM THIRTY (30) DAYS PRIOR TO SUBMITTING THE PRIMARY STRUCTURAL STEEL PACKAGE.

NOTE: 8
ALL SHOP DRAWINGS USED FOR CONSTRUCTION SHALL BEAR THE STAMP OF THE ARCHITECT/ENGINEER AND SHALL BE MARKED "REVIEWED" OR "REVIEWED AS NOTED".

DWG FILENAME

SEAL
STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER
DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON
DGN BY: GM
DWN BY: HW
AS–BUILT PER RECORD PRINT
BY:
DATE:
CHKD BY: CR

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

SUBDIVISION: JACKSONVILLE

BAL

GENERAL NOTES CONTINUED

MISCELLANEOUS:

NOTE: 1
ITEMS AND CONDITIONS NOTED OR IDENTIFIED IN SECTIONS AND DETAILS APPLY TO AREAS SIMILAR IN CONDITION TO THOSE DENOTED BY THE SECTION CUT OR DETAIL MARK.

NOTE: 2
THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DOCUMENTS AND ANY OTHER DOCUMENTS OR EXISTING CONDITIONS FOR RESOLUTION PRIOR TO PROCEEDING WITH FABRICATION OR CONSTRUCTION.

NOTE: 3
THE BUILDING FRAME IS NOT SELF-SUPPORTING UNTIL THE ENTIRE STRUCTURAL SYSTEM HAS BEEN INSTALLED. TEMPORARY BRACING MUST BE PROVIDED BY THE CONTRACTOR TO SUPPORT THE FRAME UNTIL THE STRUCTURAL SYSTEM HAS BEEN COMPLETED.

NOTE: 4
LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE. A CONCRETE STRUCTURE MAY NOT SUPPORT ITS DESIGN LIVE LOADS FOR 28 DAYS, UNLESS THE DESIGN STRENGTH IS ACHIEVED EARLIER BASED ON FIELD CURED CYLINDERS.

NOTE: 5
THE CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS. CONTRACTOR SHALL HAVE ALL TEMPORARY FORMWORK, SHEETING, SHORING, UNDERPINNING, ETC., AS PART OF THE CONTRACTOR'S WORK, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

NOTE: 6
ALL WORK SPECIFIED HEREIN SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 (EXCEPTIONS NOTED SHALL NOT BE PERMITTED) AND ALL LOCAL ORDINANCES. INSPECTIONS REQUIRED SHALL BE PER THE STATEMENT OF SPECIAL INSPECTIONS NOTED ON SHEETS S003 AND S004. THE CONTRACTOR SHALL HIRE AN EXPERIENCED, QUALIFIED INSPECTOR TO PERFORM ALL THE REQUIRED INSPECTION WORK. THE ENGINEER WILL NOT PERFORM THE REQUIRED INSPECTION AS A PART OF HIS DESIGN SERVICE. THE ENGINEER MAY VISIT THE SITE TO ASCERTAIN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS, AND SUCH VISITS ARE NOT TO BE CONSTRUED AS MEETING INSPECTION REQUIREMENTS.

NOTE: 7
THE GENERAL CONTRACTOR AND ITS SUBCONTRACTORS SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE IN THE CONSTRUCTION OF WORK SIMILAR IN NATURE TO THIS PROJECT.

NOTE: 8
LEGAL USE OF DOCUMENTS
THE PLANS, SPECIFICATIONS AND OTHER INFORMATION CONTAINED IN THESE DRAWINGS (COLLECTIVELY THE "DRAWINGS") WERE PREPARED BY COLUMBIA ENGINEERING, INC. AND ARE INSTRUMENTS OF PROFESSIONAL SERVICES RENDERED AND DELIVERED PURSUANT TO THE TERMS AND CONDITIONS OF A WRITTEN AGREEMENT (THE "AGREEMENT") ONLY TO THE RECIPIENT NAMED THEREIN. ANY USE OF THE DRAWINGS BY ANY PARTY WHICH IS INCONSISTENT WITH THE TERMS AND CONDITIONS OF THE AGREEMENT IS EXPRESSLY PROHIBITED. COLUMBIA ENGINEERING, INC. EXPRESSLY RESERVES ITS COPYRIGHT AND ALL INTELLECTUAL PROPERTY AND OTHER RIGHTS IN THE DRAWINGS. NO PORTION OF THE DRAWINGS ARE TO BE REPRODUCED, CHANGED OR OTHERWISE USED IN ANY FORM OR MANNER WHATSOEVER WHICH IS INCONSISTENT WITH EITHER THE AGREEMENT OR THE PURPOSES FOR WHICH THEY WERE ORIGINALLY PREPARED, NOR ARE THEY TO BE DEEMED ASSIGNED TO ANY PERSON OR ENTITY WITHOUT OBTAINING THE EXPRESS PRIOR WRITTEN PERMISSION AND CONSENT OF COLUMBIA ENGINEERING, INC. THE RECIPIENT OF THE DRAWINGS AGREES TO INDEMNIFY AND HOLD HARMLESS COLUMBIA ENGINEERING, INC., ITS EMPLOYEES, OFFICERS, DIRECTORS AND AGENTS, FROM AND AGAINST ANY AND ALL DAMAGES WHICH ARISE OUT OF OR IN CONNECTION WITH ANY VIOLATION OF THE FOREGOING.

DESIGN CODES:

INTERNATIONAL BUILDING CODE:
IBC 2021

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE:
ACI 318-19

BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES:
TMS 402/602-16

SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS:
AISC 15TH EDITION 360-16

DESIGN LOADS:
IBC RISK CATEGORY 3

FLOOR LIVE LOADS:
SLAB ON GRADE ----- 100 PSF

LOW ROOF LIVE LOADS:
LIVE LOAD = 30 PSF
PV SOLAR PANELS + BALLAST = 20 PSF
GROUND SNOW LOAD, p_g = 30 PSF
FLAT ROOF SNOW LOAD, p_f = 23 PSF
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD IMPORTANCE FACTOR, I_s = 1.1
THERMAL FACTOR, C_t = 1.0

DESIGN LOADS CONTINUED:

HIGH ROOF LIVE LOADS:
LIVE LOAD = 30 PSF
PV SOLAR PANELS + BALLAST = 20 PSF
SLOPED ROOF SNOW LOAD, p_g = 23 PSF
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD IMPORTANCE FACTOR, I_s = 1.1
THERMAL FACTOR, C_t = 1.0

SEISMIC DESIGN DATA:
SOIL SITE CLASS D
SEISMIC DESIGN CATEGORY B
SEISMIC IMPORTANCE FACTOR, I_e = 1.25

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_S = 0.154
S_1 = 0.044

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_{DS} = 0.164
S_{D1} = 0.071

BASIC SEISMIC FORCE RESISTING SYSTEM:
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

RESPONSE MODIFICATION COEFFICIENT, R = 3.0

SEISMIC RESPONSE COEFFICIENT, C_S = 0.045
DESIGN BASE SHEAR = 50 KIPS

ANALYSIS PROCEDURE:
EQUIVALENT LATERAL FORCE PROCEDURE

WIND LOADS:
DESIGN WIND SPEED:
V_{ult} = 120 MPH (3 SECOND GUST)
V_{asd} = 93 MPH (3 SECOND GUST)

WIND EXPOSURE B
INTERNAL PRESSURE COEFFICIENT, GC_{pi} = +/-0.18

EFFECTIVE WIND AREA	COMPONENTS & CLADDING: ULTIMATE WIND PRESSURE				
	ZONE 1&2	ZONE 2'&3	ZONE 3'	ZONE 4	ZONE 5
10 FT²	- 30 PSF +16 PSF	- 41 PSF +16 PSF	- 61 PSF +16 PSF	- 25.5 PSF +23.5 PSF	- 31.5 PSF +23.5 PSF
20 FT²	- 29 PSF +16 PSF	- 38.5 PSF +16 PSF	- 54 PSF +16 PSF	- 24.5 PSF +22.5 PSF	- 29.5 PSF +22.5 PSF
50 FT²	- 29 PSF +16 PSF	- 35 PSF +16 PSF	- 44 PSF +16 PSF	- 23.5 PSF +21.5 PSF	- 27.5 PSF +21.5 PSF
100 FT²	- 29 PSF +16 PSF	- 53 PSF +16 PSF	- 39 PSF +16 PSF	- 22.5 PSF +20 PSF	- 24.5 PSF +20 PSF
200 FT²	-	-	-	- 21 PSF +19 PSF	- 22.5 PSF +19 PSF
500 FT²	-	-	-	- 19.5 PSF +17.5 PSF	- 20 PSF +17.5 PSF

SEAL

STATE OF MARYLAND — RODRIGO CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

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PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12
CONTRACT COMPLETION BOX					

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
GENERAL NOTES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S002	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	114 OF 195
	DRAWING NUMBER
	2025-331
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

CIVIL FILENAME

BID DOCUMENTS 05/15/2025

INSPECTION TABLES

STATEMENT OF SPECIAL INSPECTIONS:

NOTE 1:
INSPECTION OR TESTING SHALL BE PROVIDED FOR ALL MATERIAL, COMPONENTS AND WORK LISTED IN THE TABLES BELOW. THESE ARE MINIMUM REQUIREMENTS. INSPECTION AND TESTING TASKS MUST ALSO SATISFY ALL STANDARDS ESTABLISHED IN THE FOLLOWING APPLICABLE CODES AND ALL LOCAL ORDINANCES.

INTERNATIONAL BUILDING CODE (IBC):
IBC CHAPTER 17

AMERICAN INSTITUTE OF STEEL CONTRUCTION (AISC):
SPECIFICATION FOR STEEL BUILDINGS (AISC 360), CHAPTER N
SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 341), CHAPTER J

STEEL DECK INSTITUTE (SDI):
MANUAL OF CONSTRUCTION WITH STEEL DECK (MOC), CHAPTER X

THE MASONRY SOCIETY (TMS):
SPECIFICATION FOR MASONRY STRUCTURES (TMS 602), SECTION 1.6

AMERICAN IRON AND STEEL INSTITUTE (AISI):
NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING (AISI S240), CHAPTER D

NOTE 2:
DEFINITIONS:

CONTINUOUS INSPECTION:
INDICATES SPECIAL INSPECTOR SHALL BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK.

PERIODIC INSPECTION:
INDICATES SPECIAL INSPECTOR SHALL PROVIDE INSPECTION OR TESTING OF ALL WORK INDICATED, BUT THAT SPECIAL INSPECTOR IS NOT REQUIRED TO BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK. PERIODIC INSPECTION DOES NOT MEAN RANDOM INSPECTION IS ALLOWED.

OBSERVE:
INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

PERFORM:
INSPECTOR SHALL PERFORM THESE TASKS FOR EACH JOINT, MEMBER, OR ELEMENT.

QC:
QUALITY CONTROL INSPECTION TASK TO BE COMPLETED BY FABRICATOR OR ERECTOR PERSONNEL.

QA:
QUALITY ASSURANCE INSPECTION TASK TO BE COMPLETED BY THIRD-PARTY INSPECTION AGENCY / SPECIAL INSPECTOR.

SOILS

INSPECTION TASK	TYPE OF QA INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC

CONCRETE

INSPECTION TASK	TYPE OF QA INSPECTION
1. INSPECT OF REINFORCING STEEL FOR SIZE, QUANTITY AND PLACEMENT.	PERIODIC
2. INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (FOLLOW MANUFACTURER'S WRITTEN INSTALLATION REQUIREMENTS). a. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS b. ALL OTHER CONDITIONS	 a. CONTINUOUS b. PERIODIC
4. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS
6. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED AND FOR CONFORMANCE WITH FORMWORK DESIGN.	PERIODIC
9. MEASURE F (F) AND F (L) TOLERANCE FOR FLOORS.	PERIODIC

MASONRY

INSPECTION TASK	TYPE OF QA INSPECTION BY QUALITY ASSURANCE LEVEL	
	LEVEL 2	
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	
2. VERIFICATION OF f'_m a. PRIOR TO CONSTRUCTION b. DURING CONSTRUCTION EVERY 5,000 SQUARE FEET	 a. PERIODIC b. N/A	
3. AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE: a. PROPORTIONS OF SITE-PREPARED MORTAR b. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS c. SAMPLE PANEL CONSTRUCTION	 a. PERIODIC b. PERIODIC c. PERIODIC	
4. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: a. GROUT SPACE b. PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS c. PROPORTIONS OF SITE-PREPARED GROUT	 a. PERIODIC b. PERIODIC c. PERIODIC	
5. VERIFY COMPLIANCE DURING CONSTRUCTION: a. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION b. SIZE AND LOCATION OF STRUCTURAL MEMBERS c. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F) e. PLACEMENT OF GROUT f. SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO PROJECT SITE g. PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	 a. PERIODIC b. PERIODIC c. PERIODIC d. PERIODIC e. CONTINUOUS f. PERIODIC g. N/A	
6. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	PERIODIC	
7. INSTALLATION OF POST INSTALLED ANCHORS.	CONTINUOUS	

STEEL

STEEL - PRIOR TO WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS.	PERFORM	OBSERVE
2. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	PERFORM	PERFORM
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM	PERFORM
4. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
5. WELDER IDENTIFICATION SYSTEM	OBSERVE	OBSERVE
6. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE	PERFORM
7. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE	PERFORM
8. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE	OBSERVE
9. FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE	OBSERVE
10. CHECK WELDING EQUIPMENT	OBSERVE	NONE

STEEL CONTINUED

STEEL - DURING WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
2. CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	OBSERVE	OBSERVE
3. NO WELDING OVER CRACKED TACK WELDS.	OBSERVE	OBSERVE
4. ENVIRONMENTAL CONDITIONS • WIND SPEED WITH LIMITS • PRECIPITATION AND TEMPERATURE	OBSERVE	OBSERVE
5. WPS FOLLOWED FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYP/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MINIMUM/MAXIMUM) • PROPER POSITION (F,V,H, OH)	OBSERVE	PERFORM/ CONTINUOUS
6. WPS FOLLOWED FOR SINGLE - PASS FILLET WELDS • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYP/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MINIMUM/MAXIMUM) • PROPER POSITION (F,V,H, OH)	OBSERVE	OBSERVE
7. WELDING TECHNIQUES FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE	PERFORM/ CONTINUOUS
8. WELDING TECHNIQUES FOR SINGLE-PASS FILLET WELDS • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE	OBSERVE
9. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.	PERFORM	PERFORM

STEEL - AFTER WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. WELDS CLEANED	OBSERVE	OBSERVE
2. SIZE, LENGTH AND LOCATION OF WELDS	PERFORM	PERFORM
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD / BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY		
4. ULTRASONICALLY TEST FULL PENETRATION GROOVE WELDS	PERFORM	PERFORM
5. ARC STRIKES	PERFORM	PERFORM
6. K - AREA [a]	PERFORM	PERFORM
7. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [b]	PERFORM	PERFORM
8. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM	PERFORM
9. REPAIR ACTIVITIES	PERFORM	PERFORM
10. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM	PERFORM
11. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	OBSERVE	OBSERVE

NOTES:

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN THREE INCHES OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STEEL CONTINUED

STEEL - PRIOR TO BOLTING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	OBSERVE	PERFORM
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	OBSERVE
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE	OBSERVE
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	OBSERVE
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	OBSERVE
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	PERFORM/ CONTINUOUS	OBSERVE
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	OBSERVE	OBSERVE

STEEL - DURING BOLTING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED.	OBSERVE	OBSERVE
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE	OBSERVE
3. PRETENSIONED AND SLIP-CRITICAL JOINTS INSTALLED USING ONE OF THE FOLLOWING METHODS: • DIRECT-TENSION-INDICATOR WASHER METHOD • TWIST-OFF TYPE TENSION CONTROL BOLT METHOD	PERFORM	PERFORM
4. FASTENERS COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	OBSERVE
5. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE	OBSERVE

STEEL - AFTER BOLTING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	PERFORM

STEEL - OTHER

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF THE FABRICATED STEEL WITH THE SHOP DRAWINGS	PERFORM	NONE
2. SETTING OF ANCHOR BOLTS, BEARING PLATES AND EMBEDDED ITEMS PRIOR TO PLACEMENT OF CONCRETE. AT A MINIMUM, CONFIRM DIAMETER, GRADE, TYPE, LENGTH, AND DEPTH OF EMBEDMENT.	OBSERVE	PERFORM
3. STRUCTURAL MEMBERS FOR PLUMBNESS, ELEVATION AND ALIGNMENT	OBSERVE	PERFORM
4. VERIFY COMPLIANCE OF THE ERECTED STEEL FRAME WITH ERECTION DRAWINGS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	PERFORM	NONE
5. VERIFY COMPLIANCE OF THE FABRICATED AND ERECTED STEEL FRAME WITH CONTRACT DOCUMENTS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	NONE	PERFORM

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON DGN BY: GM

DWN BY: HW

AS–BUILT PER RECORD PRINT

BY:

DATE:

CHKD BY: CR

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
INSPECTION TABLES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S003	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	115 OF 195
	DRAWING NUMBER
	2025-332
	FILE NO.: 8

BALTIMORE COUNTY · MARYLAND

DWG FILENAME

INSPECTION TABLES

STEEL CONTINUED

STEEL - AFTER WELDING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. WELDS CLEANED	OBSERVE	OBSERVE
2. SIZE, LENGTH AND LOCATION OF WELDS	PERFORM	PERFORM
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD / BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY		
4. ULTRASONICALLY TEST FULL PENETRATION GROOVE WELDS	PERFORM	PERFORM
5. ARC STRIKES	PERFORM	PERFORM
6. K - AREA [a]	PERFORM	PERFORM
7. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [b]	PERFORM	PERFORM
8. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM	PERFORM
9. REPAIR ACTIVITIES	PERFORM	PERFORM
10. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM	PERFORM
11. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	OBSERVE	OBSERVE

NOTES:

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN THREE INCHES OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STEEL - PRIOR TO BOLTING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	OBSERVE	PERFORM
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	OBSERVE
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE	OBSERVE
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	OBSERVE
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	OBSERVE
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	PERFORM/ CONTINUOUS	OBSERVE
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	OBSERVE	OBSERVE

STEEL - DURING BOLTING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED.	OBSERVE	OBSERVE
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE	OBSERVE
3. PRETENSIONED AND SLIP-CRITICAL JOINTS INSTALLED USING ONE OF THE FOLLOWING METHODS: • DIRECT-TENSION-INDICATOR WASHER METHOD • TWIST-OFF TYPE TENSION CONTROL BOLT METHOD	PERFORM	PERFORM
4. FASTENERS COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	OBSERVE
5. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE	OBSERVE

STEEL - AFTER BOLTING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	PERFORM

STEEL CONTINUED

STEEL - OTHER		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF THE FABRICATED STEEL WITH THE SHOP DRAWINGS	PERFORM	NONE
2. SETTING OF ANCHOR BOLTS, BEARING PLATES AND EMBEDDED ITEMS PRIOR TO PLACEMENT OF CONCRETE. AT A MINIMUM, CONFIRM DIAMETER, GRADE, TYPE, LENGTH, AND DEPTH OF EMBEDMENT.	OBSERVE	PERFORM
3. STRUCTURAL MEMBERS FOR PLUMBNESS, ELEVATION AND ALIGNMENT	OBSERVE	PERFORM
4. VERIFY COMPLIANCE OF THE ERECTED STEEL FRAME WITH ERECTION DRAWINGS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	PERFORM	NONE
5. VERIFY COMPLIANCE OF THE FABRICATED AND ERECTED STEEL FRAME WITH CONTRACT DOCUMENTS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	NONE	PERFORM

STEEL - JOIST	
INSPECTION TASK	TYPE OF QA INSPECTION
1. SETTING OF BEARING PLATES	PERIODIC
2. ALIGNMENT OF JOISTS	PERIODIC
3. INSTALLATION OF BRIDGING	PERIODIC
4. SIZE, LENGTH AND LOCATION OF WELDS	PERIODIC
5. ULTRASONICALLY TEST FULL PENETRATION WELDS	PERIODIC
6. HIGH-STRENGTH BOLTS INSTALLED	PERIODIC
7. INSPECT END CONNECTIONS (WELDED OR BOLTED)	PERIODIC

STEEL - COLD-FORMED	
INSPECTION TASK	TYPE OF INSPECTION
1. VERIFY SIZE AND GAGE OF FRAMING.	PERIODIC
2. VERIFY PLUMBNESS, ALIGNMENT AND PROPER BEARING OF ELEMENTS	PERIODIC
3. VERIFY COLD-FORMED FRAMING IS PROPERLY FASTENED TOGETHER	PERIODIC
4. VERIFY CONNECTIONS TO STRUCTURAL FRAME	PERIODIC
5. VERIFY TOUCH-UP GALVANIZATION IS APPLIED TO WELDS	PERIODIC

METAL DECK

DECK - PRIOR TO DECK PLACEMENT		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	PERFORM
2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

DECK - AFTER DECK PLACEMENT		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	PERFORM	PERFORM
2. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	PERFORM
3. VERIFY DECK ALIGNMENT AND SUPPORT	PERFORM	PERFORM
4. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND ACCESSORIES	PERFORM	PERFORM

METAL DECK CONTINUED

DECK - PRIOR TO WELDING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	OBSERVE
2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	OBSERVE
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
4. CHECK WELDING EQUIPMENT	OBSERVE	OBSERVE

DECK - DURING WELDING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	OBSERVE
3. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	OBSERVE
4. WPS FOLLOWED	OBSERVE	OBSERVE

DECK - AFER WELDING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM	PERFORM
2. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	PERFORM
3. VERIFY REPAIR ACTIVITIES INCLUDING TOUCH-UP GALVANIZATION APPLIED TO WELDS	PERFORM	PERFORM
4. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	PERFORM

DECK - PRIOR TO MECHANICAL FASTENING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHINCAL FASTENERS	OBSERVE	OBSERVE
2. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	OBSERVE
3. PROPER STORAGE FOR MECHANCIAL FASTENERS	OBSERVE	OBSERVE

DECK - DURING MECHANICAL FASTENING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	OBSERVE
2. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	OBSERVE

DECK - AFTER MECHANICAL FASTENING		
INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT, SIDELAP, AND PERIMETER FASTENERS	PERFORM	PERFORM
2. VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
3. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	PERFORM

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON DGN BY: GM

AS--BUILT PER RECORD PRINT BY: DATE: DWN BY: HW

CHKD BY: CR

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

INSPECTION TABLES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

DWG FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
S004	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	116 OF 195
	DRAWING NUMBER
	2025-333
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

COLUMN SCHEDULE

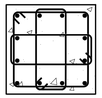
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	REMARKS
C1	HSS8x6x3/8	16"x16"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C2	HSS8x8x3/8	16"x16"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C3	HSS10x10x1/2	18"x18"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C4	HSS10x10x3/8	18"x18"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C4A	HSS10x10x1/2	18"x18"x3/4"	(6) 3/4" DIAMETER ASTM F1554	
C5	HSS12x8x3/8	20"x18"x1"	(6) 1" DIAMETER ASTM F1554	SEE DETAIL B
C6	HSS8x8x1/2	18"x18"x3/4"	(6) 3/4" DIAMETER ASTM F1554	SEE DETAIL A
C7	W10x45	22"x18"x1 1/4"	(8) 1" DIAMETER ASTM F1554	SEE DETAIL C
C8	W10x49	18"x18"x3/4"	(6) 3/4" DIAMETER ASTM F1554	
C9	W12x45	20"x18"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C9A	W12x45	20"x18"x3/4"	(6) 3/4" DIAMETER ASTM F1554	
C9B	W12x45	20"x18"x1"	(6) 1" DIAMETER ASTM F1554	SEE DETAIL B
C10	W12x53	20"x18"x3/4"	(4) 3/4" DIAMETER ASTM F1554	
C10A	W12x53	20"x18"x3/4"	(6) 3/4" DIAMETER ASTM F1554	

NOTES:
1. ALL COLUMNS SHALL RECEIVE A 5/8" THICK CAP PLATE UNLESS NOTED OTHERWISE.

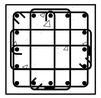
CONCRETE PIER SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT	REMARKS
P20	20"x20"	12-#5	
P22	22"x22"	12-#5	
P2422	24"x22"	12-#6	
P32	32"x32"	16-#6	

TIE PATTERNS:



12 LONGITUDINAL BARS



16 LONGITUDINAL BARS

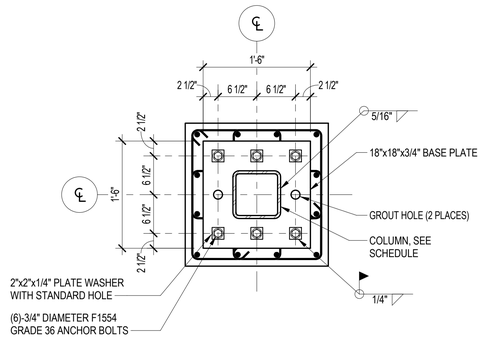
NOTES:
1. ALTERNATE THE 180 DEGREE HOOKED END OF ALL SINGLE-LEG TIES.
2. ALL TIES SHALL BE PLACED WITH 1 1/2" CONCRETE COVER UNLESS NOTED OTHERWISE.

SPREAD FOOTING SCHEDULE

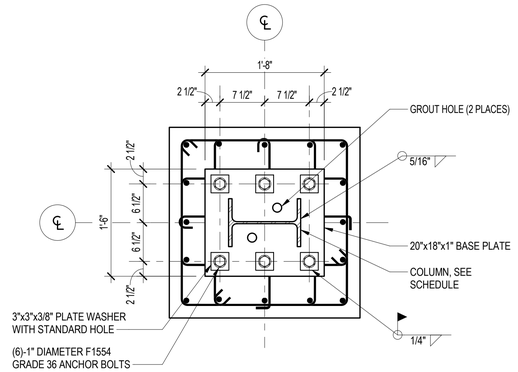
MARK	SIZE	THICKNESS	REINFORCEMENT
F40	4'-0"x4'-0"	1'-0"	5-#6 EACH WAY BOTTOM WITH HOOKED ENDS
F50	5'-0"x5'-0"	1'-0"	6-#5 EACH WAY TOP, 6-#6 EACH WAY BOTTOM WITH HOOKED ENDS
F5060	5'-0"x6'-0"	1'-0"	6-#6 SHORT BOTTOM WITH HOOKED ENDS, 7-#6 LONG BOTTOM WITH HOOKED ENDS
F5060A	5'-0"x6'-0"	1'-0"	#6 AT 12"o.c. EACH WAY TOP, #6 AT 12"o.c. EACH WAY BOTTOM WITH HOOKED ENDS
F5070	5'-0"x7'-0"	1'-0"	6-#6 SHORT BOTTOM WITH HOOKED ENDS, 7-#6 LONG BOTTOM WITH HOOKED ENDS
F60	6'-0"x6'-0"	1'-0"	7-#5 EACH WAY TOP, 7-#5 EACH WAY BOTTOM WITH HOOKED ENDS
F70	7'-0"x7'-0"	1'-4"	8-#6 EACH WAY BOTTOM WITH HOOKED ENDS
F70A	7'-0"x7'-0"	1'-4"	8-#6 EACH WAY TOP, 8-#6 EACH WAY BOTTOM WITH HOOKED ENDS,
F1556	15'-0"x5'-6"	1'-0"	#5 AT 12"o.c. EACH WAY TOP, #5 AT 12"o.c. EACH WAY BOTTOM WITH HOOKED ENDS

WALL FOOTING SCHEDULE

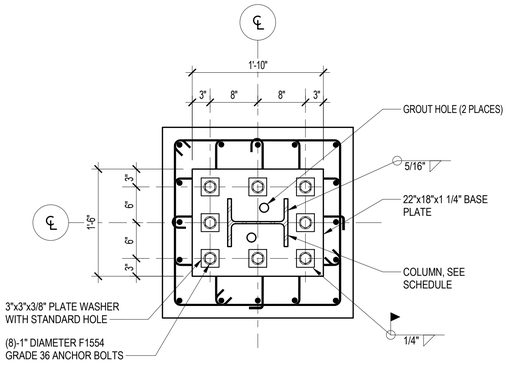
MARK	SIZE	THICKNESS	REINFORCEMENT
WF26	2'-6" CONTINUOUS	1'-0"	3-#5 CONTINUOUS BOTTOM
WF36	3'-6" CONTINUOUS	1'-0"	4-#5 CONTINUOUS BOTTOM
WF36A	3'-6" CONTINUOUS	1'-0"	4-#5 CONTINUOUS BOTTOM, , #4 AT 12"o.c. TRANSVERSE BOTTOM WITH HOOKED ENDS
WF36B	3'-6" CONTINUOUS	1'-0"	4-#5 CONTINUOUS BOTTOM, 4-#4 CONTINUOUS TOP, #5 AT 12"o.c. TRANSVERSE TOP AND BOTTOM WITH HOOKED ENDS
WF40	4'-0" CONTINUOUS	1'-0"	SEE SECTION B/S402



DETAIL A



DETAIL B



DETAIL C

DWG. FILENAME

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON — DGN BY: GM

AS--BUILT PER RECORD PRINT — DWN BY: HW

BY: — DATE: — CHKD BY: CR

AS--BUILT / REVISION

BY	DATE	P.W.A NO.
1	3/19/25	

PERMIT REVISIONS # 1

CONTRACT COMPLETION BOX

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE: PLAN SCALE: — PROFILE SCALE: —

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

SCHEDULES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

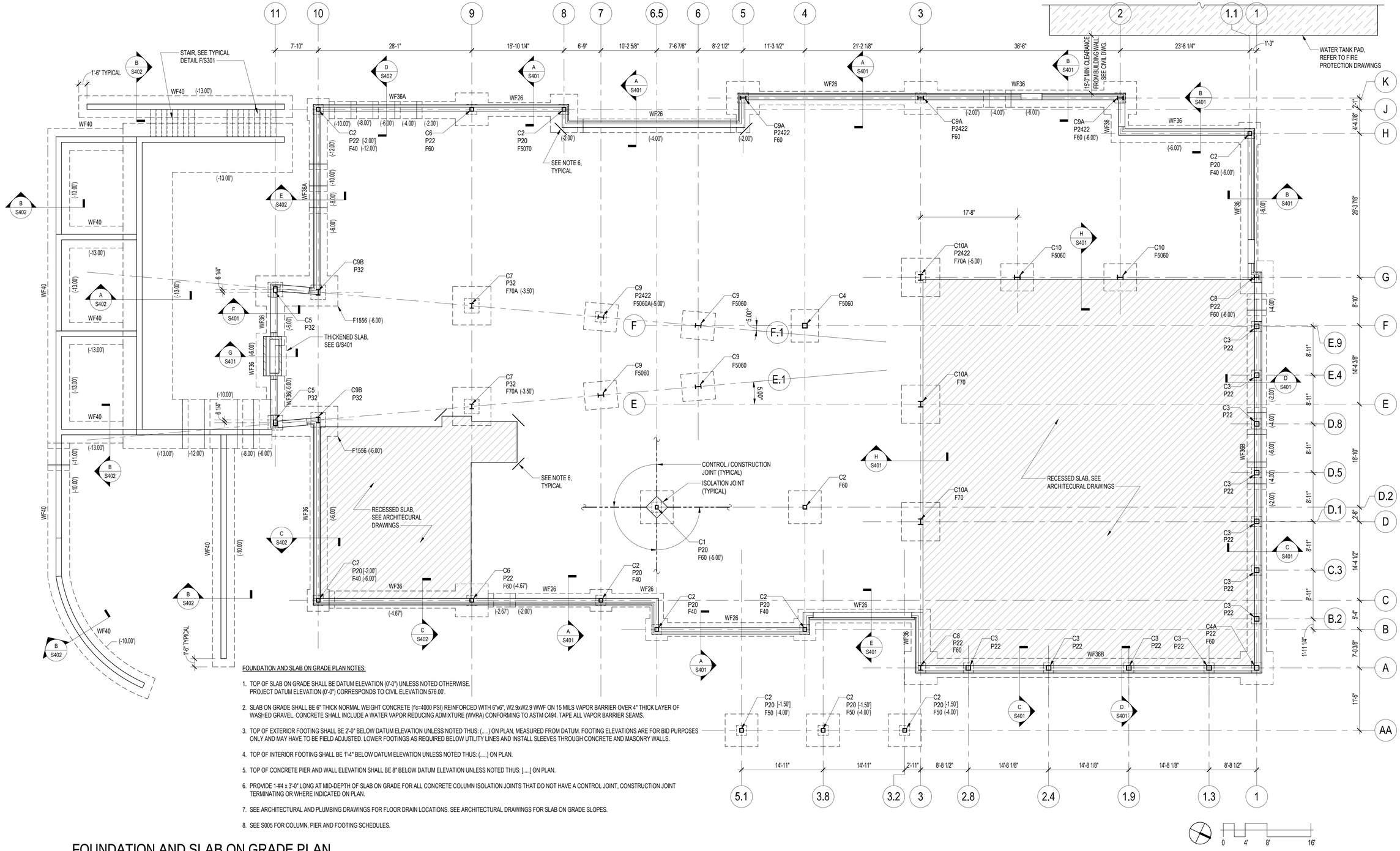
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S005	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	117 OF 195
	DRAWING NUMBER
	2025-334
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025



FOUNDATION AND SLAB ON GRADE PLAN NOTES:

1. TOP OF SLAB ON GRADE SHALL BE DATUM ELEVATION (0'-0") UNLESS NOTED OTHERWISE. PROJECT DATUM ELEVATION (0'-0") CORRESPONDS TO CIVIL ELEVATION 576.00'.
2. SLAB ON GRADE SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.9xW2.9 WWF ON 15 MILS VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL. CONCRETE SHALL INCLUDE A WATER VAPOR REDUCING ADMIXTURE (WVRA) CONFORMING TO ASTM C494. TAPE ALL VAPOR BARRIER SEAMS.
3. TOP OF EXTERIOR FOOTING SHALL BE 2'-0" BELOW DATUM ELEVATION UNLESS NOTED THUS: (....) ON PLAN, MEASURED FROM DATUM. FOOTING ELEVATIONS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER FOOTINGS AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THROUGH CONCRETE AND MASONRY WALLS.
4. TOP OF INTERIOR FOOTING SHALL BE 1'-4" BELOW DATUM ELEVATION UNLESS NOTED THUS: (.....) ON PLAN.
5. TOP OF CONCRETE PIER AND WALL ELEVATION SHALL BE 8" BELOW DATUM ELEVATION UNLESS NOTED THUS: [....] ON PLAN.
6. PROVIDE 1-#4 x 3'-0" LONG AT MID-DEPTH OF SLAB ON GRADE FOR ALL CONCRETE COLUMN ISOLATION JOINTS THAT DO NOT HAVE A CONTROL JOINT, CONSTRUCTION JOINT TERMINATING OR WHERE INDICATED ON PLAN.
7. SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR SLAB ON GRADE SLOPES.
8. SEE S005 FOR COLUMN, PIER AND FOOTING SCHEDULES.

FOUNDATION AND SLAB ON GRADE PLAN

SCALE: 1/8" = 1'-0"

DWG RELEASE

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE:

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LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ENGINEER: RODRIGO CHACON	DGN BY: GM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS–BUILT PER RECORD PRINT	DWN BY: HW	REVIEWED BY:									
BY: DATE:	CHKD BY: CR	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FOUNDATION AND SLAB ON GRADE PLAN

BID DOCUMENTS 05/15/2025

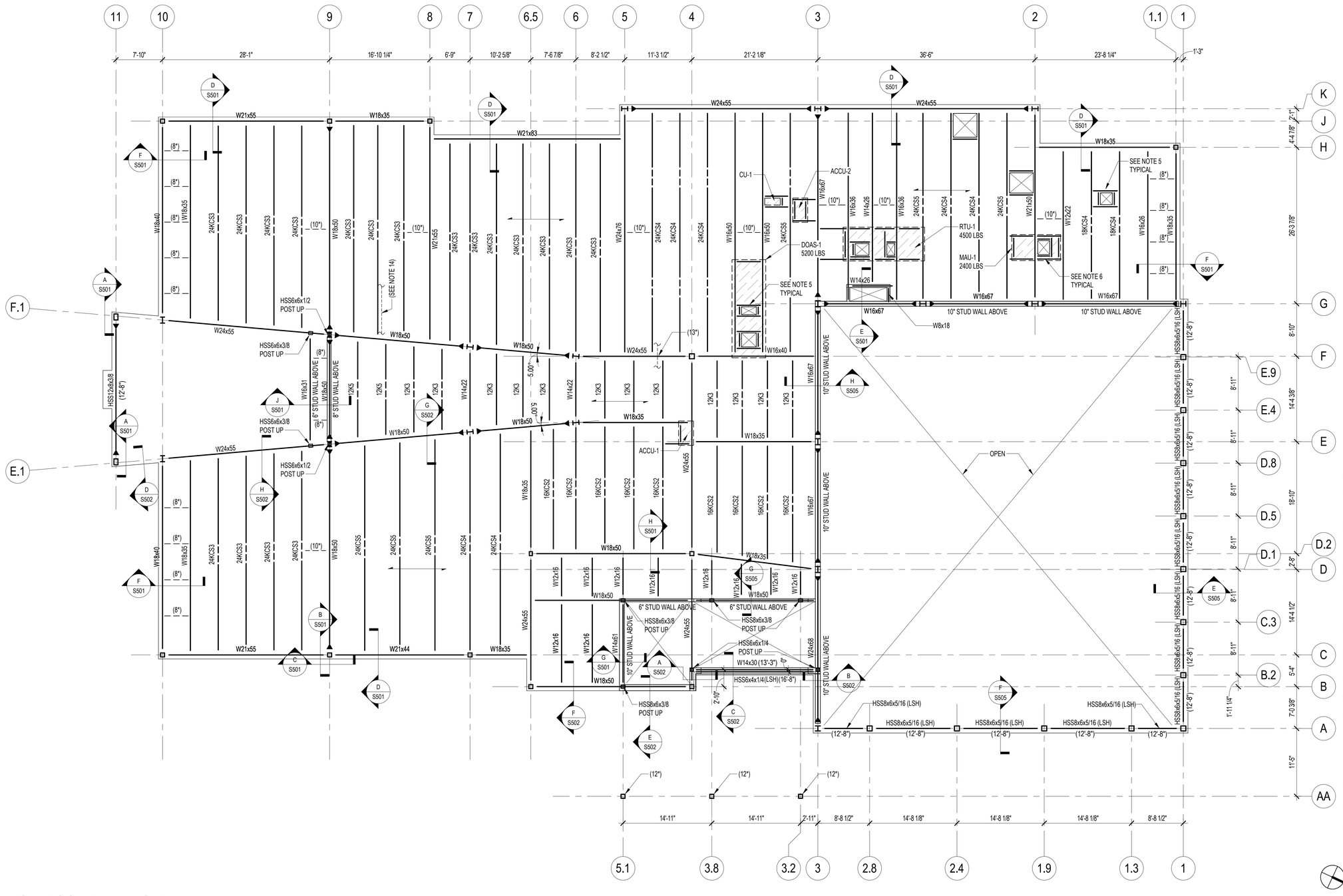
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S101	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	118 OF 195
	DRAWING NUMBER
	2025-335
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



LOW ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL ELEVATION (BOTTOM OF DECK) AT LOW ROOF SHALL BE 14'-0" ABOVE DATUM ELEVATION UNLESS NOTED THUS: (....). TOP OF SUPPORTING BEAM FOR JOIST SHALL BE 2 1/2" BELOW TOP OF STEEL ELEVATION UNLESS NOTED OTHERWISE.
2. TYPICAL ROOF DECK SHALL BE 1 1/2" DEEP, 18 GAGE, GALVANIZED METAL ACOUSTIC DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON A 36/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.
3. ◄— DENOTES SPAN DIRECTION OF ROOF DECK.
4. ALL OPEN WEB JOISTS SHALL BE SHIMMED SUCH THAT THE METAL DECK IS ATTACHED TO THE JOISTS AT THE SPACING SPECIFIED AND IS CAPABLE OF RESISTING GRAVITY LOADS AND 15 PSF UPLIFT LOADS. SHIMS MUST COMPENSATE FOR THE DIFFERENTIAL DEFLECTIONS BETWEEN STRUCTURAL STEEL BEAMS AND JOISTS.
5. INSTALL 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ROOF OPENINGS. REFER TO TYPICAL ROOF OPENING FRAME DETAIL D/S304.
6. INSTALL 4"x3"x5/16" ANGLE FRAME UNDER UNIT CURB. REFER TO TYPICAL DETAIL E/S304.
7. SEE TYPICAL DETAIL F/S304 FOR HSS 8x6x5/16 TO HSS COLUMN CONNECTION.
8. (8") DENOTES 2"x2"x1/4" ANGLE CROSS BRACING. SEE F/S501.
9. ALL OPEN WEB JOISTS SHALL HAVE BRIDGING, SIZE AND SPACING SHALL BE AS PER MANUFACTURER SPECS. COORDINATE BRIDGING WITH MECHANICAL DUCTS.
10. (10") DENOTES 2"x2"x1/4" ANGLE CROSS BRACING AT MID-POINT OF SPAN.
11. ►— DENOTES MOMENT CONNECTION. SEE GENERAL NOTE AND TYPICAL DETAIL A/S304.
12. (12") DENOTES GALVANIZED STEEL. REFER TO ARCHITECTURAL DRAWINGS FOR GALVANIZED STEEL THAT SHALL RECEIVE A PAINTED FINISH COAT.
13. (13") DENOTES PIPE PENETRATION THROUGH BEAM. SEE TYPICAL DETAIL D/S302.
14. REFER TO THE MANUFACTURER'S PRODUCT SHEET FOR LOADS AND ADDITIONAL REQUIREMENTS FOR ATTACHING THE ADULT CHANGING STATION TO COLD FORMED METAL STUDS IN THE UNISEX BATHROOM.

LOW ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND — RODRIGO IS CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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BY: — CHKD BY: CR

DATE:

AS–BUILT / REVISION

BY	DATE	P.W.A NO.
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PERMIT REVISIONS # 1

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT
UNE	78NE11 78NE12 98NE11 79NE12

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

LOW ROOF FRAMING PLAN

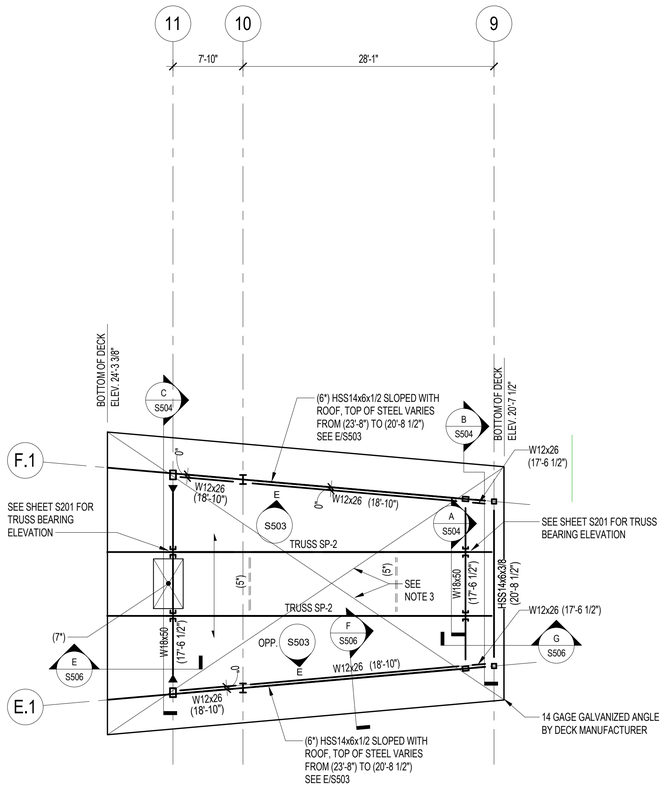
BID DOCUMENTS 05/15/2025

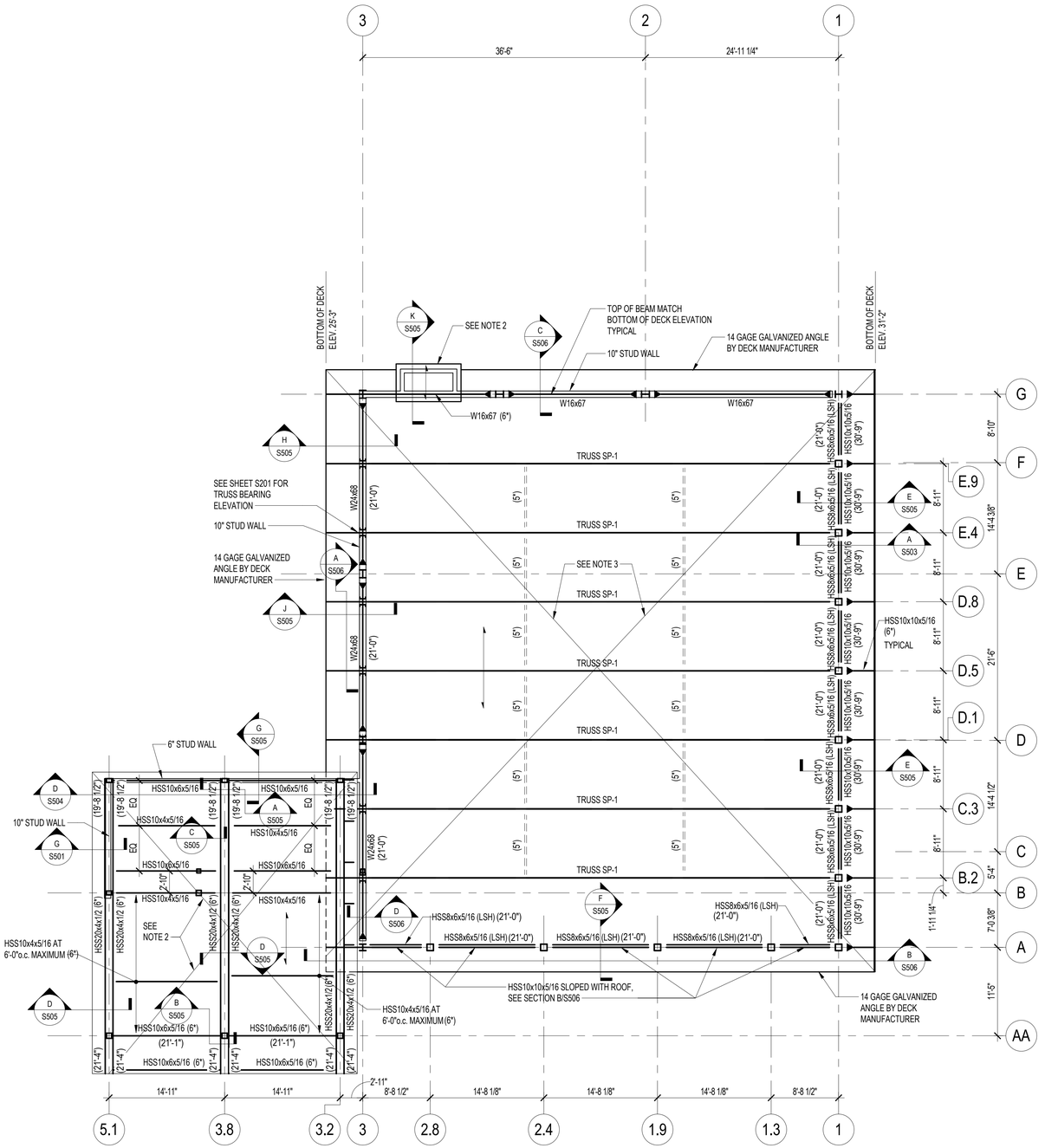
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S102	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	119 OF 195
	DRAWING NUMBER
	2025-336
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND





ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL ELEVATION NOTED THUS: (....), MEASURED FROM PROJECT DATUM ELEVATION (0'-0") UNLESS NOTED OTHERWISE.
2. ROOF DECK SHALL BE 1 1/2" DEEP, 18 GAGE, GALVANIZED ACOUSTIC METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON A 36/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.
3. ROOF DECK SHALL BE FA 4 1/2", 18 GAGE ENVISTA-EPIC ACOUSTIC METAL DECK. ATTACH DECK TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING:
   A) WOOD TRUSSES : No. 12 SCREWS, 18/2 PATTERN AND No. 12 SIDELAP SCREWS AT 1'-6" o.c. UNLESS NOTED OTHERWISE.
   B) STEEL MEMBERS : 3/4" ARC PUDDLE WELD, 18/2 PATTERN AND No. 12 SIDELAP SCREWS AT 1'-6" o.c. UNLESS NOTED OTHERWISE.
4. ◄—► DENOTES SPAN DIRECTION OF HIGH ROOF DECK.
5. (5') DENOTES CROSS BRACING BY TRUSS MANUFACTURER. SEE S201 FOR MEMBER FORCES.
6. (6") DENOTES GALVANIZED STEEL. REFER TO ARCHITECTURAL DRAWINGS FOR GALVANIZED STEEL THAT SHALL RECEIVE A PAINTED FINISH COAT.
7. (7*) DENOTES ROOF DECK OPENING. INSTALL 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ROOF OPENINGS. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZE.

ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

DWG FILENAME

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE:

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ENGINEER: RODRIGO CHACON	DGN BY: GM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS–BUILT PER RECORD PRINT	DWN BY: HW	REVIEWED BY:									
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SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF FRAMING PLAN

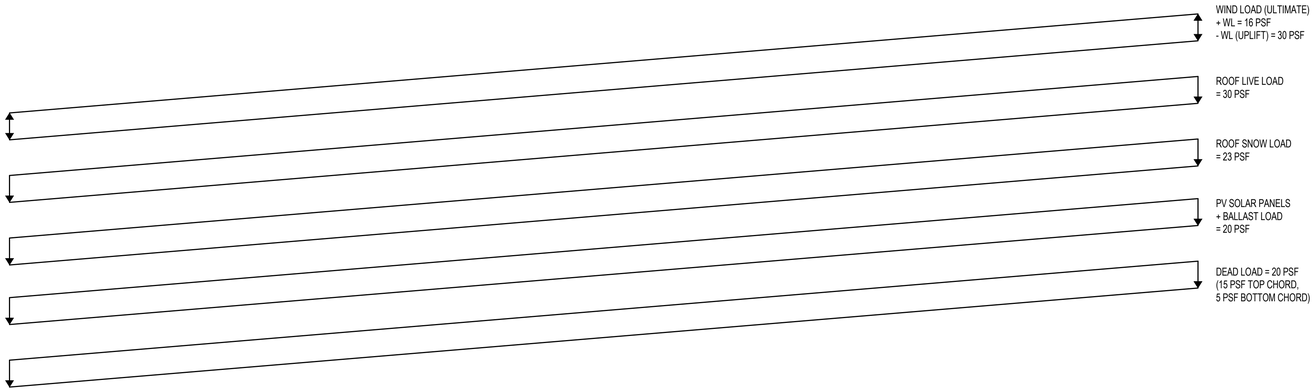
BID DOCUMENTS 05/15/2025

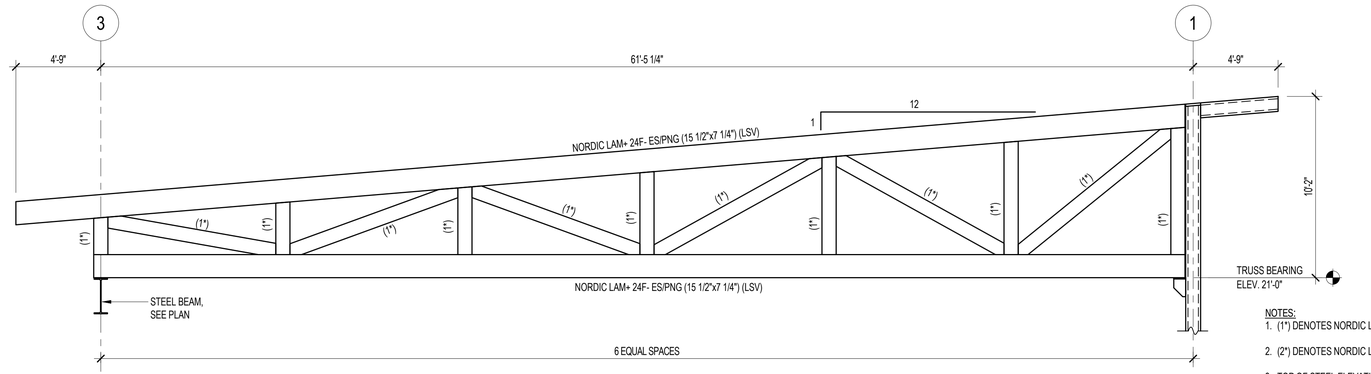
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

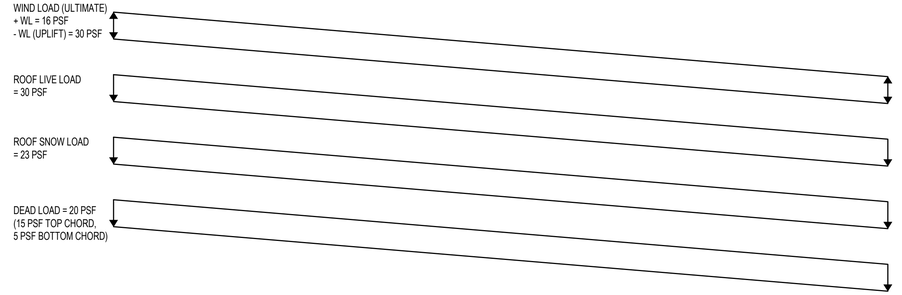
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	JOB ORDER NUMBER
	10-701-1861
	120 OF 195
	DRAWING NUMBER
	2025-337
	FILE NO.: 8

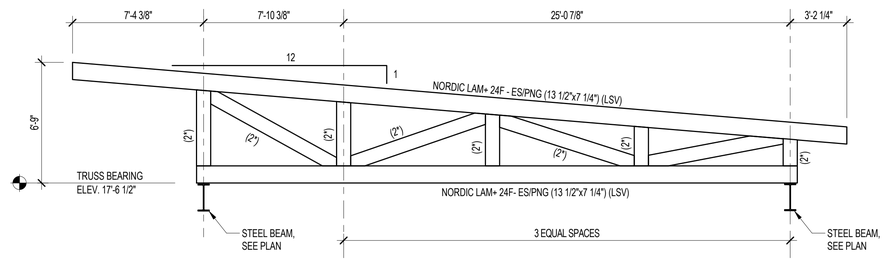
BALTIMORE COUNTY MARYLAND





TRUSS SP-1





TRUSS SP-2

NOTES:
1. (1*) DENOTES NORDIC LAM+ 24F - ES/NPG (9 1/2"x7 1/4").
2. (2*) DENOTES NORDIC LAM+ 24F - ES/NPG (7 1/4"x7 1/4").
3. TOP OF STEEL ELEVATION NOTED THUS: (.....). MEASURED FROM PROJECT DATUM ELEVATION (0'-0") UNLESS NOTED OTHERWISE.
4. TRUSS SELF WEIGHT IS NOT INCLUDED WITH DEAD LOAD PROVIDED.
5. CROSS BRACING MEMBERS SHALL BE DESIGNED AS A TENSION OR COMPRESSION MEMBER FOR AXIAL LOADS:
   TRUSS SP-1: AXIAL = 2000 LBS
   TRUSS SP-2: AXIAL = 1500 LBS
6. WOOD TRUSSES ARE A DELEGATED DESIGN. PREPARATION OF CALCULATIONS AND SHOP DRAWINGS SHALL BE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN MARYLAND. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR REVIEW.
7. LOADS SHOWN ARE PERMITTED TO BE REDUCED BY THE APPROPRIATE ASD LOAD COMBINATIONS (0.6WL, ETC.).
8. LIMIT LIVE LOAD OF THE JOIST TO L/360.

TRUSS DETAILS

SCALE: 1/4" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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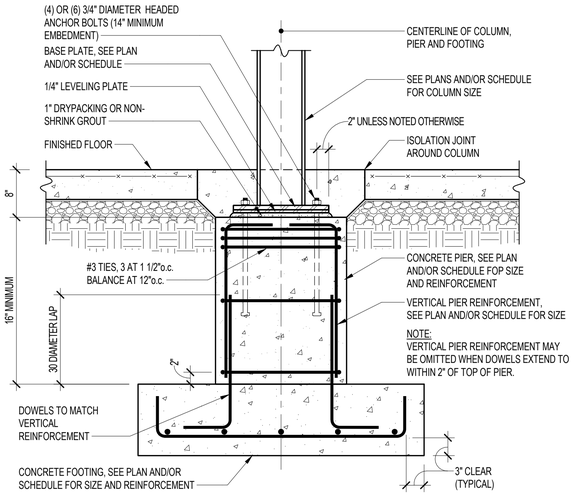
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
TRUSS DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

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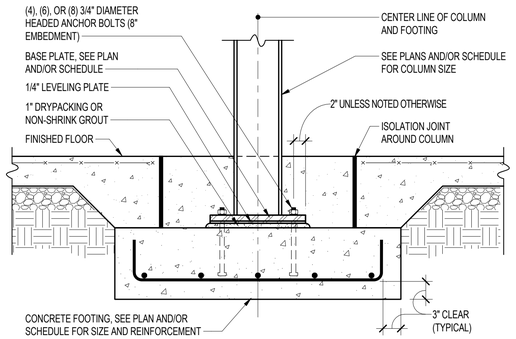
SHEET DESIGNATION	CONTRACT NUMBER
S201	25010 PO0
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BALTIMORE COUNTY MARYLAND



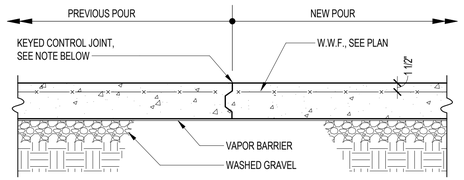
COLUMN, FOOTING AND PIER

A S301 TYPICAL DETAIL
NOT TO SCALE



INTERIOR COLUMN AND FOOTING

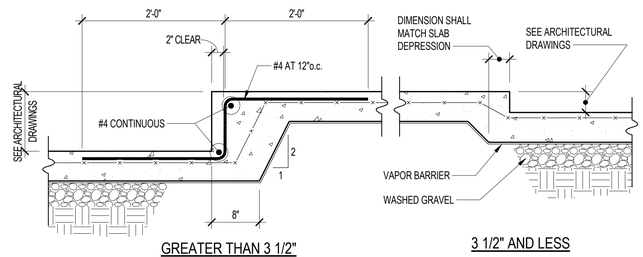
B S301 TYPICAL DETAIL
NOT TO SCALE



NOTE:
BETWEEN CONSTRUCTION JOINTS, THE CONTRACTOR SHALL PROVIDE SAW CUT CONTROL JOINTS THAT SHALL BE SPACED AS SHOWN ON PLANS AND/OR AS INDICATED IN THE GENERAL NOTES.
SAW CUT JOINTS SHALL BE 1/4 OF THE SLAB THICKNESS IN DEPTH AND SHALL BE CUT AS SOON AS THE CONCRETE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE AND BEFORE RANDOM SHRINKAGE CRACKS CAN FORM IN THE CONCRETE SLAB.

CONSTRUCTION JOINT IN SLAB ON GRADE

C S301 TYPICAL DETAIL
NOT TO SCALE

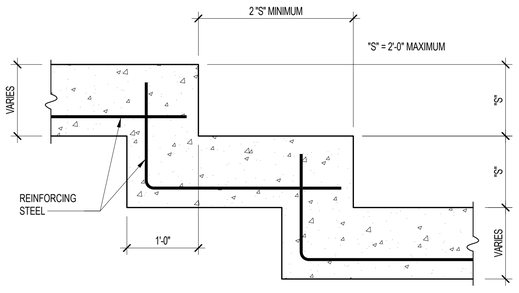


GREATER THAN 3 1/2"

3 1/2" AND LESS

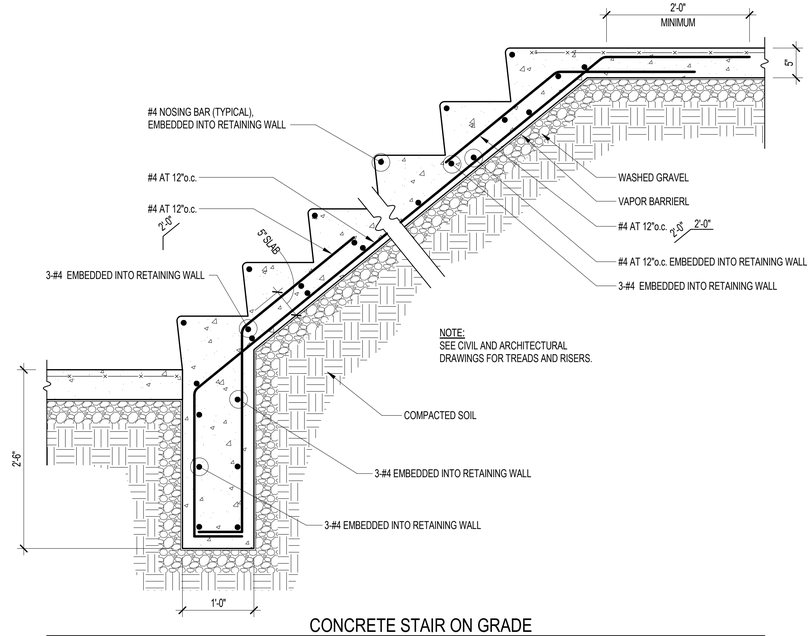
DEPRESSED SLAB ON GRADE

D S301 TYPICAL DETAIL
NOT TO SCALE



STEP FOOTING

E S301 TYPICAL DETAIL
NOT TO SCALE



CONCRETE STAIR ON GRADE

F S301 TYPICAL DETAIL
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DWG FILENAME

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TYPICAL DETAILS

BID DOCUMENTS 05/15/2025

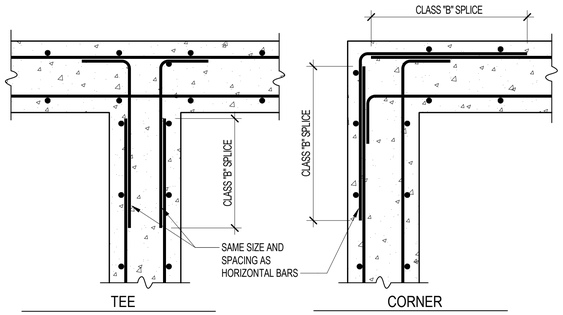
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

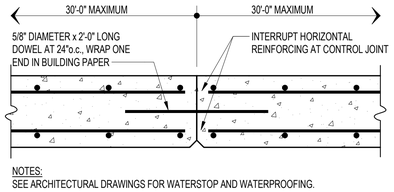
SHEET DESIGNATION	CONTRACT NUMBER
S301	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	122 OF 195
	DRAWING NUMBER
	2025-339
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



CONCRETE WALL INTERSECTIONS (PLAN VIEW)

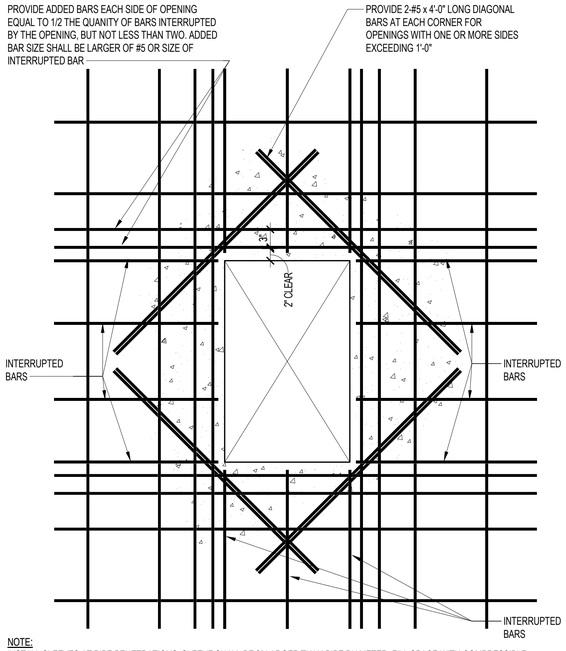
A S302 TYPICAL DETAIL
NOT TO SCALE



NOTES:
SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.

CONTROL JOINT IN CONCRETE WALL

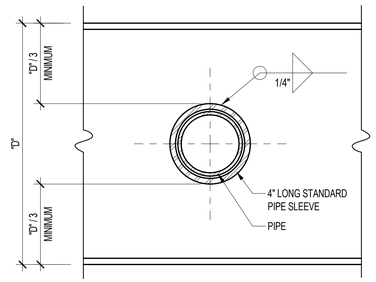
B S302 TYPICAL DETAIL
NOT TO SCALE



NOTE:
INSTALL SLEEVES AT PIPE PENETRATIONS. SLEEVE SHALL BE 2" LARGER THAN PIPE DIAMETER. FILL SPACE WITH COMPRESSIBLE FILLER.

BAR PLACING DETAIL AT OPENING IN CONCRETE RETAINING WALL

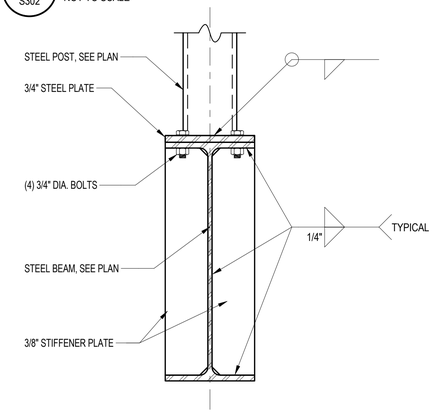
C S302 TYPICAL DETAIL
NOT TO SCALE



NOTES:
1. SLEEVE SHALL BE LOCATED NO CLOSER THAN 4'-0" FROM END OF BEAM.
2. SEE MEP DRAWINGS FOR REQUIRED SLEEVE LOCATIONS.

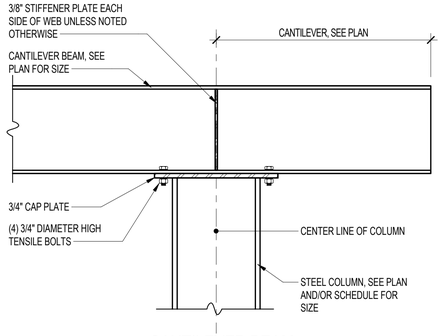
PIPE THROUGH BEAM

D S302 TYPICAL DETAIL
NOT TO SCALE



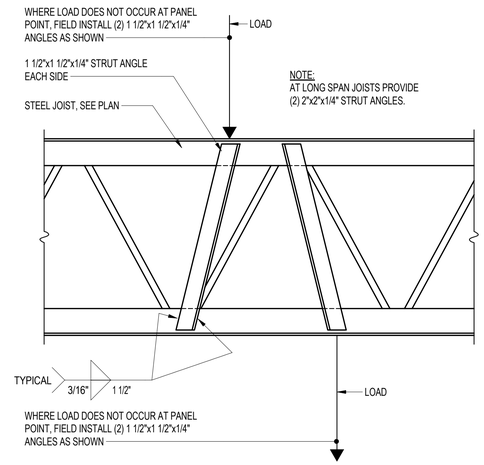
POST ON STEEL BEAM

E S302 TYPICAL DETAIL
NOT TO SCALE



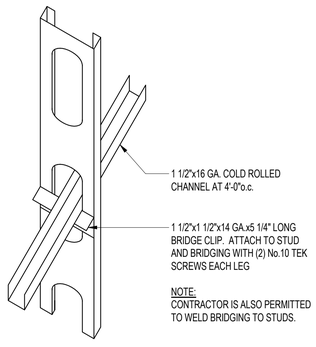
CANTILEVER BEAM

F S302 TYPICAL DETAIL
NOT TO SCALE



JOIST LOAD STRUT DETAIL

G S302 TYPICAL DETAIL
NOT TO SCALE



NOTE:
CONTRACTOR IS ALSO PERMITTED TO WELD BRIDGING TO STUDS.

STUD BRIDGING DETAIL

H S302 TYPICAL DETAIL
NOT TO SCALE

DWG FILENAME

SEAL
STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER
DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON
DGN BY: GM
DWN BY: HW
CHKD BY: CR
AS--BUILT PER RECORD PRINT
BY:
DATE:

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
TYPICAL DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

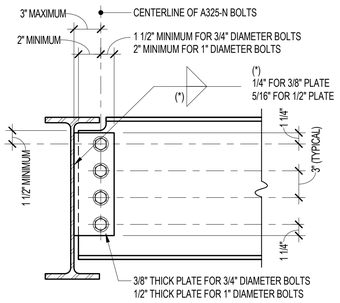
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S302	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	123 OF 195
	DRAWING NUMBER
	2025-340
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N
2	9.7	11.0
3	19.3	21.9
4	30.9	35.1
5	42.9	48.8
6	54.8	62.3
7	66.7	75.8
8	78.4	89.0
9	90.0	102
10	101	115
11	112	128
12	124	141

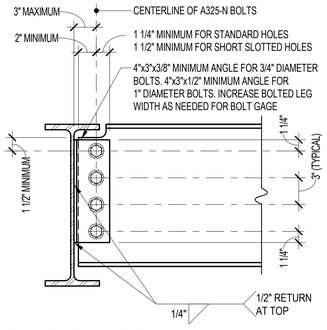


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. SHORT SLOTTED HOLES SHALL BE USED.

SINGLE PLATE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N	WELD
2	9.7	11.0	22.0
3	19.3	21.9	38.1
4	30.9	35.1	51.5
5	42.9	48.8	64.1
6	54.8	62.3	76.3
7	66.7	75.8	87.7
8	78.4	89.0	98.7
9	90.0	102	110
10	101	115	120
11	112	128	131
12	124	141	143

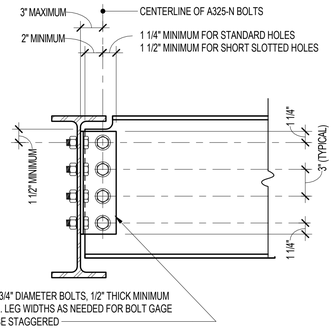


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE WELD CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.

BOLTED/WELDED SINGLE ANGLE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N
2	9.7	11.0
3	19.3	21.9
4	30.9	35.1
5	42.9	48.8
6	54.8	62.3
7	66.7	75.8
8	78.4	89.0
9	90.0	102
10	101	115
11	112	128
12	124	141

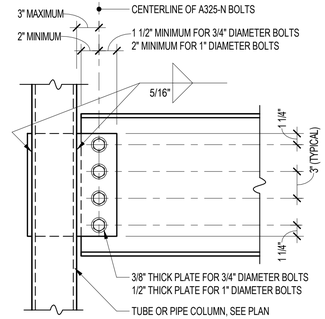


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE 3/4" DIAMETER BOLT CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38" AND THE 1" DIAMETER BOLT CAPACITY BY Tweb/0.34 FOR SUPPORTING MEMBER WEBS LESS THAN 0.34".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED IN ANGLE LEG CONNECTED TO SUPPORTED MEMBER.
5. STANDARD HOLES SHALL BE USED IN ANGLE LEG CONNECTED TO SUPPORTING MEMBER. MAINTAIN 1 1/4" MINIMUM HORIZONTAL EDGE DISTANCE, Leh.
6. DISTANCE FROM HEEL OF ANGLE TO LINE OF BOLTS SHALL NOT EXCEED 3" FOR BOTH LEGS.

BOLTED / BOLTED SINGLE ANGLE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N	3/16" WELD	1/4" WELD	5/16" WELD
2	20.4	27.2			
3	34.8	44.6			
4	46.7	60.9			
5	58.6	77.2			
6	70.5	93.5			
7	82.4	110			
8	94.3	126			
9	106	142			
10	118	159			
11	130	175			
12	142	191			

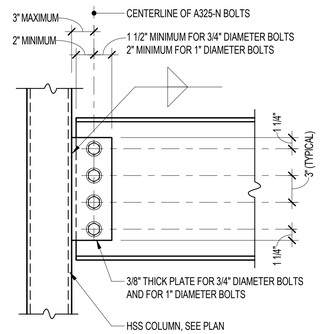


NOTES:
1. USE THIS CONNECTION ONLY WHEN BEAM REACTION IS GREATER THAN SINGLE PLATE CONNECTION CAPACITY.
2. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.21", REDUCE ABOVE CAPACITY BY Tweb/0.21.
3. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.22", REDUCE ABOVE CAPACITY BY Tweb/0.22.
4. SHORT SLOTTED HOLES SHALL BE USED.
5. WELD CAPACITY SHALL BE DETERMINED BASED ON WELDS CREATING A COUPLE TO RESIST THE 3" BOLT ECCENTRICITY. EQUIVALENT WELD SIZE SHALL BE 5/16" MINUS 1/2 THE DIFFERENCE BETWEEN THE PLATE THICKNESS AND COLUMN SLOT WIDTH.

THROUGH PLATE CONNECTION TO TUBE OR PIPE COLUMN

ALLOWABLE CONNECTION CAPACITY (KIPS)

HSS COLUMN THICKNESS	PLATE TO HSS WELD (FILLET) EACH SIDE	NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N
3/8"	1/4"	2	15.2	26.1
		3	28.1	44.8
		4	41	58.5
		5	53.7	72.2
		6	56.4	85.9
1/2"	1/4"	2	15.2	31.1
		3	28.1	44.8
		4	41	58.5
		5	53.7	72.2
		6	56.4	85.9

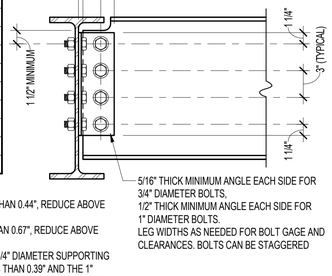


NOTES:
1. USE THIS CONNECTION ONLY WHEN BEAM REACTION IS GREATER THAN SINGLE PLATE CONNECTION CAPACITY.
2. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.21", REDUCE ABOVE CAPACITY BY Tweb/0.21.
3. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.22", REDUCE ABOVE CAPACITY BY Tweb/0.22.
4. SHORT SLOTTED HOLES SHALL BE USED.
5. WELD CAPACITY SHALL BE DETERMINED BASED ON WELDS CREATING A COUPLE TO RESIST THE 3" BOLT ECCENTRICITY. EQUIVALENT WELD SIZE SHALL BE 5/16" MINUS 1/2 THE DIFFERENCE BETWEEN THE PLATE THICKNESS AND COLUMN SLOT WIDTH.

SINGLE PLATE CONNECTION AT HSS COLUMN

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N AT SUPPORTED MEMBER	3/4" DIAMETER A325-N AT SUPPORTING MEMBER	1" DIAMETER A325-N AT SUPPORTED MEMBER	1" DIAMETER A325-N AT SUPPORTING MEMBER
2	16.1	40.8	22.0	56.6
3	32.1	63.7	43.8	89.2
4	51.6	83.9	70.3	122
5	71.6	104	97.5	154
6	91.4	124	125	187
7	111	145	152	220
8	131	165	178	252
9	150	185	204	285
10	169	205	230	318
11	187	226	255	350
12	207	246	283	383

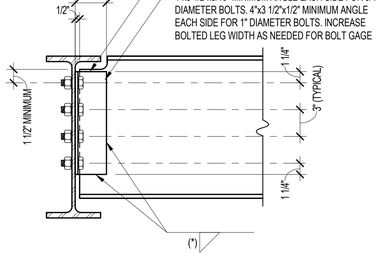


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.44", REDUCE ABOVE CAPACITY BY Tweb/0.44".
2. FOR 1" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.67", REDUCE ABOVE CAPACITY BY Tweb/0.67".
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE 3/4" DIAMETER SUPPORTING MEMBER BOLT CAPACITY BY Tweb/0.39 FOR SUPPORTING MEMBER WEBS LESS THAN 0.39" AND THE 1" DIAMETER SUPPORTING MEMBER BOLT CAPACITY BY Tweb/0.44" FOR SUPPORTING MEMBER WEBS LESS THAN 0.44".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTED MEMBER.
5. STANDARD HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTING MEMBER. MAINTAIN 1 1/4" HORIZONTAL EDGE DISTANCE, Leh

BOLTED / BOLTED DOUBLE ANGLE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N	3/16" WELD	1/4" WELD	5/16" WELD
2	40.8	56.6	46.7	62.3	77.8
3	63.7	89.2	68.6	91.5	114
4	83.9	122	89.0	119	148
5	104	154	108	144	181
6	124	187	126	168	210
7	145	220	145	193	241
8	165	252	161	214	268
9	185	285	177	236	295
10	205	318	195	260	325
11	226	350	212	282	353
12	246	383	228	304	380



NOTES:
1. REDUCE 3/16" WELD CAPACITY BY Tweb/0.28 FOR BEAM WEB LESS THAN 0.28". REDUCE 1/4" WELD CAPACITY BY Tweb/0.37 FOR BEAM WEB LESS THAN 0.37". REDUCE 5/16" WELD CAPACITY BY Tweb/0.47 FOR BEAM WEB LESS THAN 0.47".
2. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE 3/4" DIAMETER BOLT CAPACITY BY Tweb/0.39 FOR SUPPORTING MEMBER WEB LESS THAN 0.39" AND THE 1" DIAMETER BOLT CAPACITY BY Tweb/0.44 FOR SUPPORTING MEMBER WEB LESS THAN 0.44".
3. STANDARD HOLES SHALL BE USED. MAINTAIN 1 1/4" MINIMUM HORIZONTAL EDGE DISTANCE, Leh.
4. IF LENGTH OF COPE EXTENDS BEYOND ANGLE LEG, BEAM SHEAR CAPACITY SHALL BE CHECKED.

WELDED/BOLTED DOUBLE ANGLE CONNECTION

CONNECTION DETAILS

TYPICAL CONNECTION NOTES:

1. MINIMUM LENGTH OF CONNECTION SHALL BE ONE-HALF THE T-DIMENSION OF THE SUPPORTED MEMBER.
2. CONNECTION TABLES ALSO APPLY FOR BEAM TO COLUMN CONNECTIONS.
3. STEEL SHOP DRAWINGS THAT HAVE CONNECTIONS WHICH DO NOT CONFORM TO THE CONNECTIONS SHOWN IN THIS DETAIL WILL BE REJECTED.

A / S303 TYPICAL DETAIL
NOT TO SCALE

DWG FILENAME

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON DGN BY: GM

DWN BY: HW

AS--BUILT PER RECORD PRINT BY:

DATE: CHKD BY: CR

AS--BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	APPROVED BY: PROPERTY MANAGER
						PROFILE SCALE:	DATE:
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

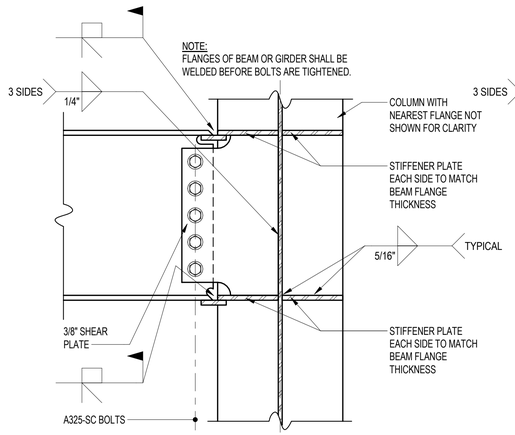
JACKSONVILLE SENIOR CENTER
TYPICAL DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

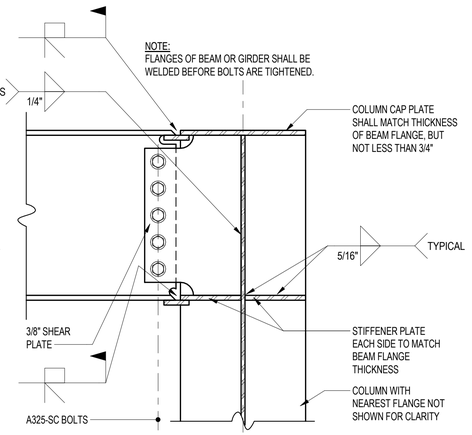
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S303	25010 PO0
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	10-701-1861
	124 OF 195
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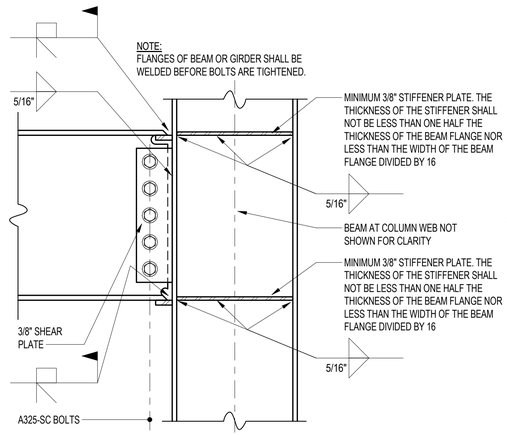
BALTIMORE COUNTY MARYLAND



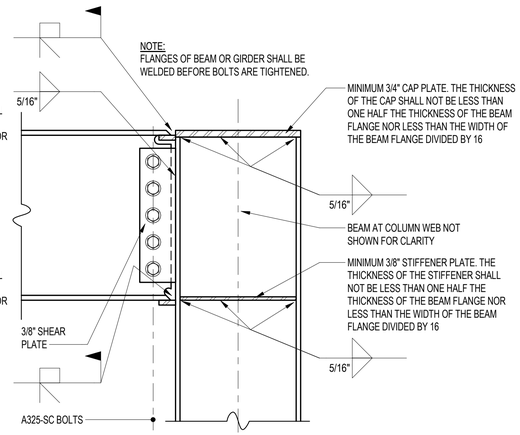
BEAM TO COLUMN WEB



BEAM TO COLUMN WEB AT ROOF

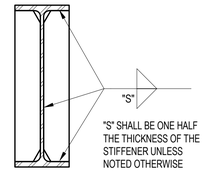


GIRDER TO COLUMN



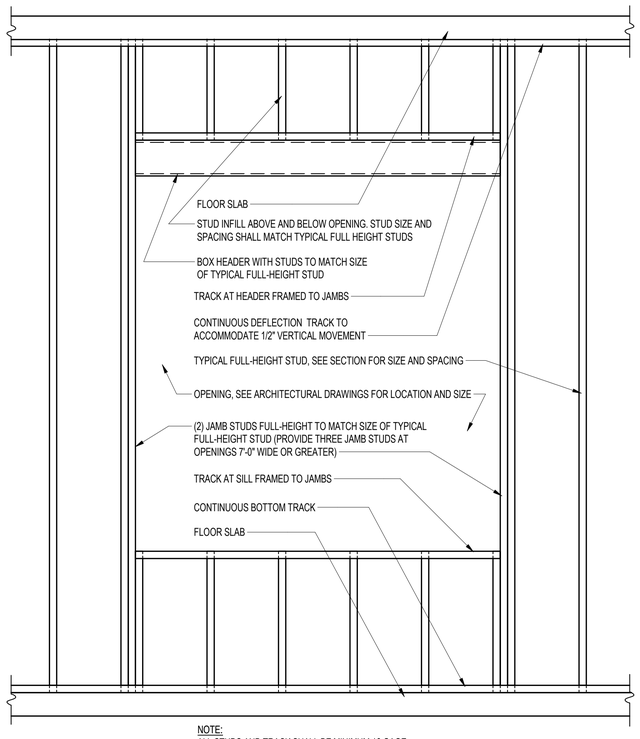
GIRDER TO COLUMN AT ROOF

MOMENT CONNECTIONS



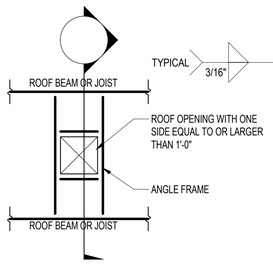
BEAM STIFFENER

A TYPICAL DETAIL
S304
NOT TO SCALE

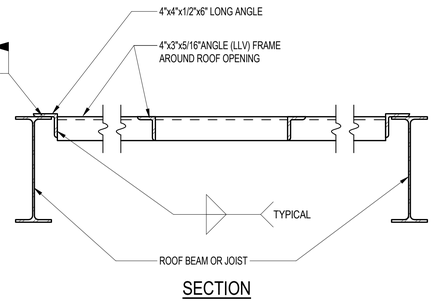


EXTERIOR STUD WALL OPENING

C TYPICAL DETAIL
S304
NOT TO SCALE



PLAN

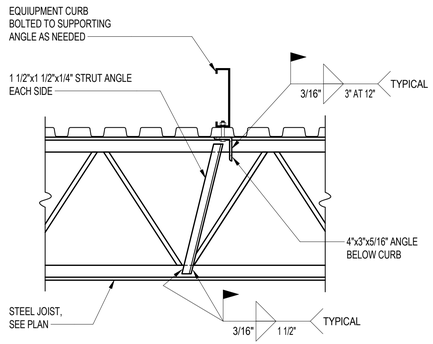


SECTION

NOTES:
1. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF OPENINGS.
2. PROVIDE ANGLE FRAME AT ALL ROOF DRAINS.

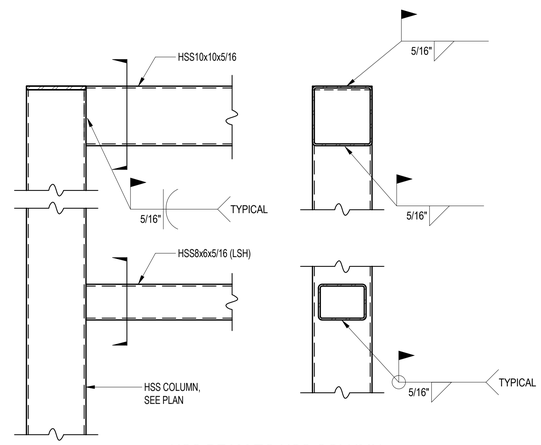
ROOF OPENING FRAME DETAIL

D TYPICAL DETAIL
S304
NOT TO SCALE



MECHANICAL EQUIPMENT CURB SUPPORT

E TYPICAL DETAIL
S304
NOT TO SCALE



HSS BEAM TO HSS COLUMN

F TYPICAL DETAIL
S304
NOT TO SCALE

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON
DGN BY: GM
DWN BY: HW
AS–BUILT PER RECORD PRINT
CHKD BY: CR
BY:
DATE:
DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

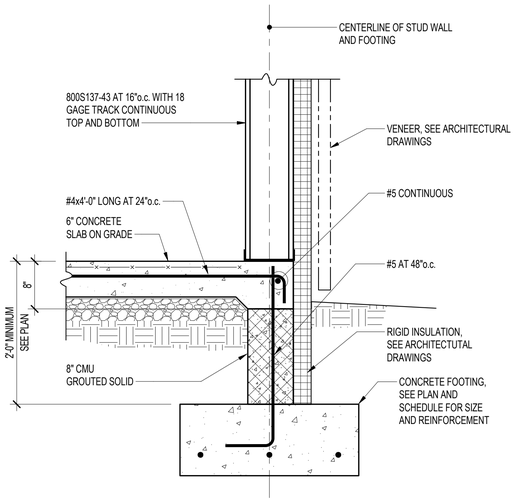
JACKSONVILLE SENIOR CENTER
TYPICAL DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

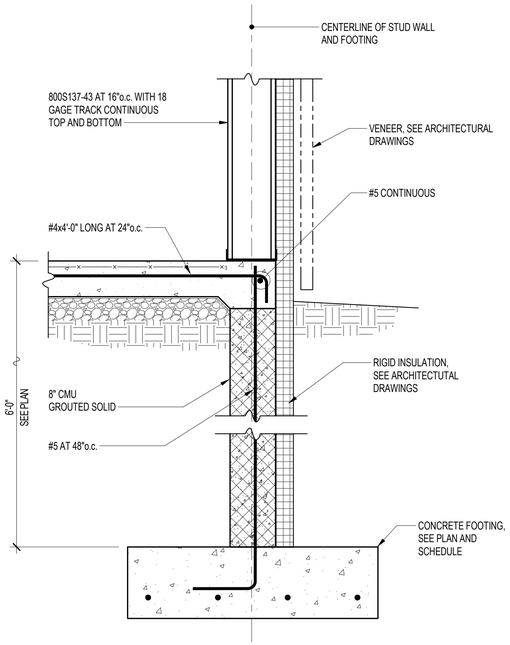
SHEET DESIGNATION	CONTRACT NUMBER
S304	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	125 OF 195
	DRAWING NUMBER
	2025-342
	FILE NO.: 8

DWG FILENAME

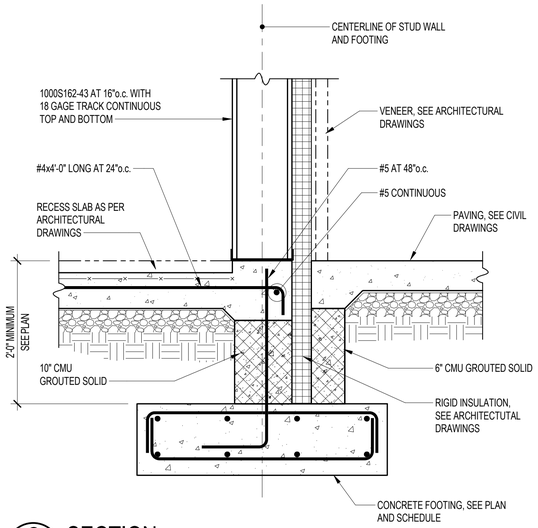
BID DOCUMENTS 05/15/2025



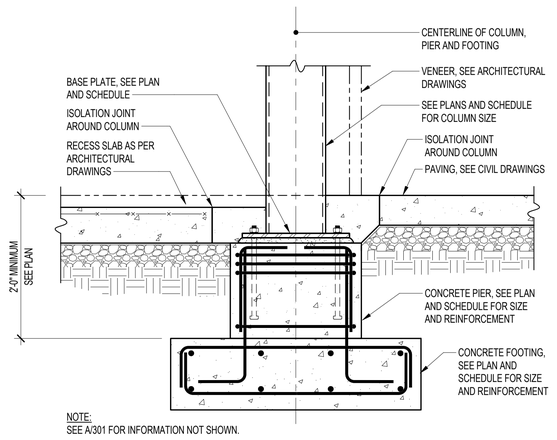
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SCALE: 1" = 1'-0"



B S401 SECTION
SCALE: 1" = 1'-0"

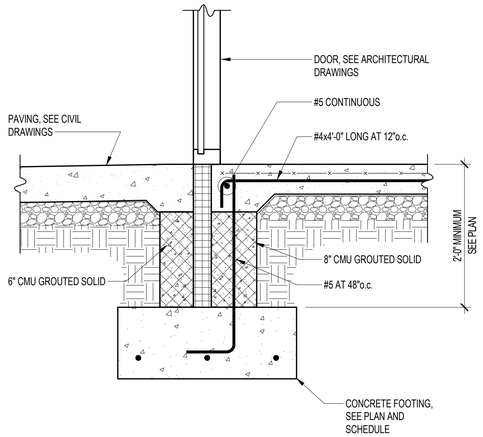


C S401 SECTION
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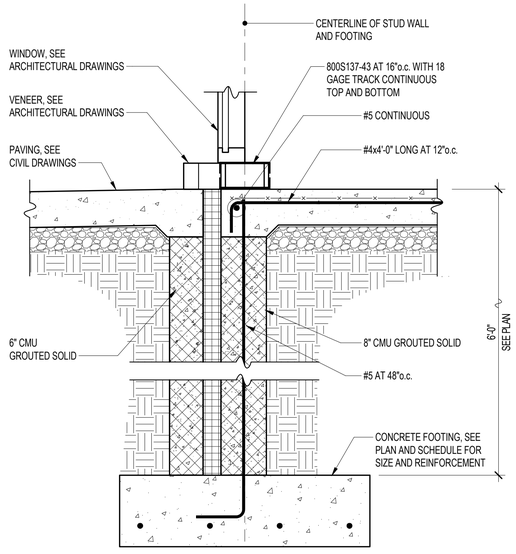


NOTE:
SEE A/301 FOR INFORMATION NOT SHOWN.

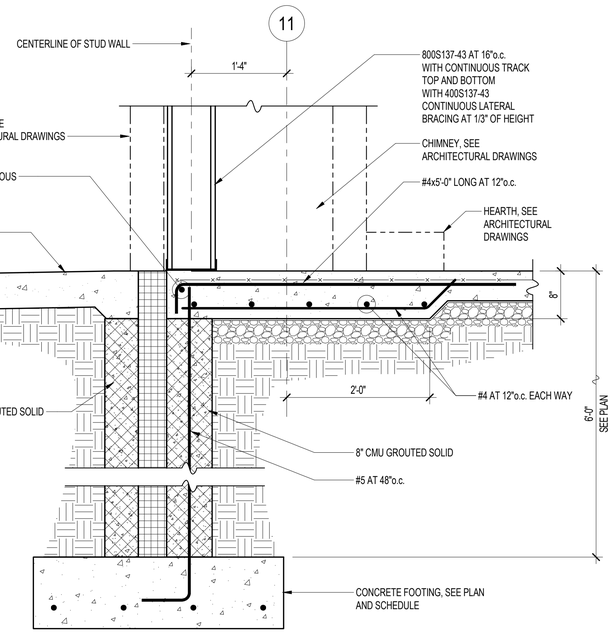
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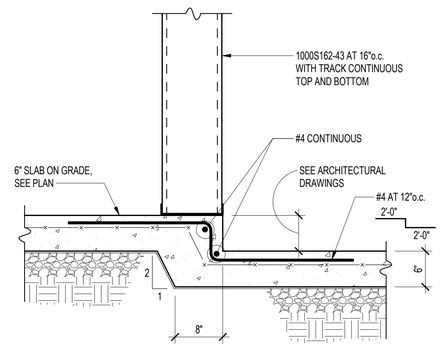
E S401 SECTION
SCALE: 1" = 1'-0"



F S401 SECTION
SCALE: 1" = 1'-0"



G S401 SECTION
SCALE: 1" = 1'-0"



H S401 SECTION
SCALE: 1" = 1'-0"

DWG FILENAME

SEAL

DATE:

PROFESSIONAL CERTIFICATION

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LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON — DGN BY: GM
DWN BY: HW
AS–BUILT PER RECORD PRINT — CHKD BY: CR
BY:
DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS # 1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	
		PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

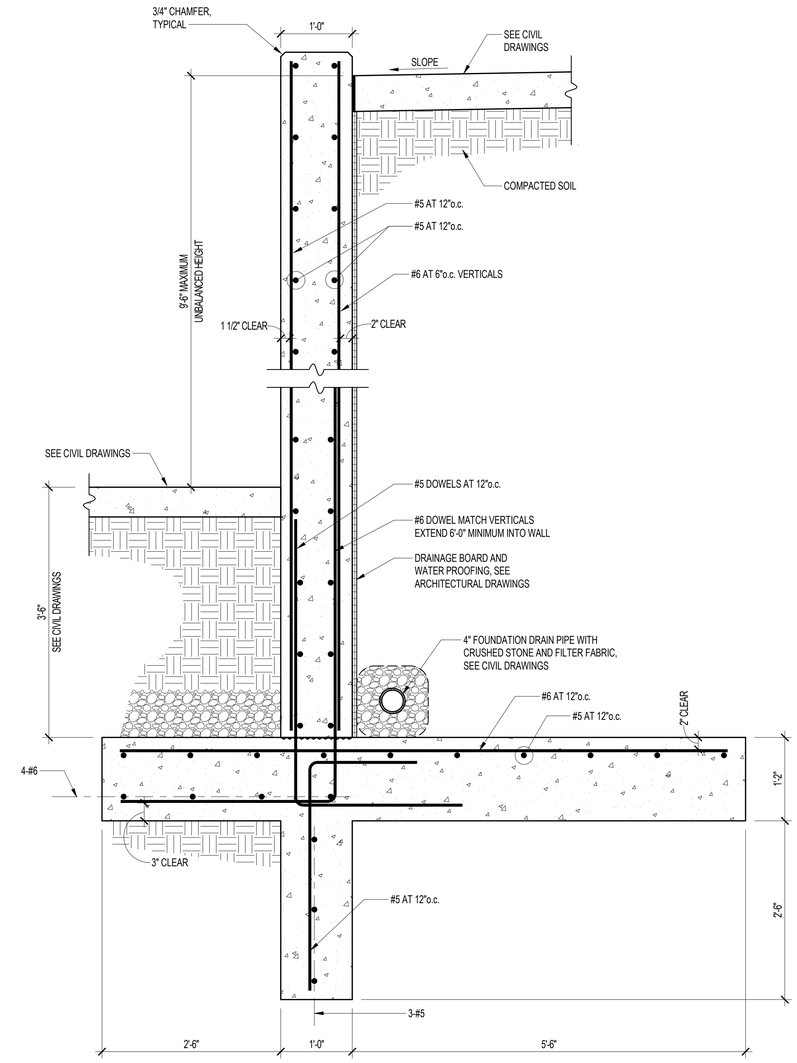
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FOUNDATION SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

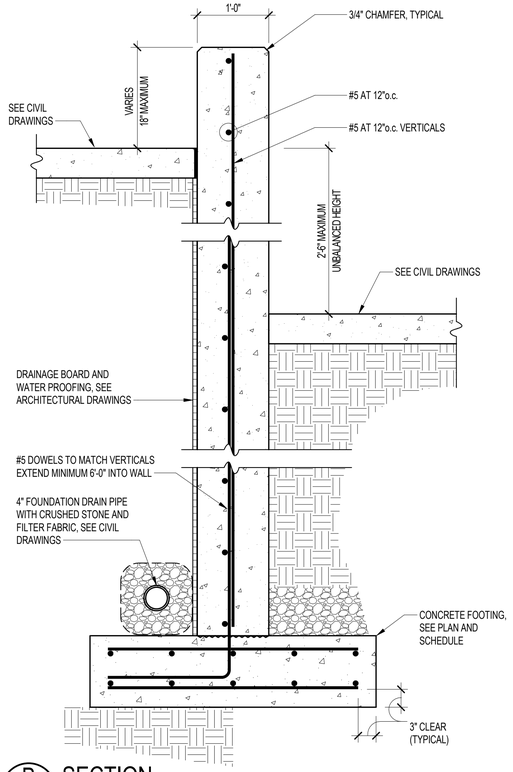
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	10-701-1861
	126 OF 195
	DRAWING NUMBER
	2025-343
	FILE NO.: 8

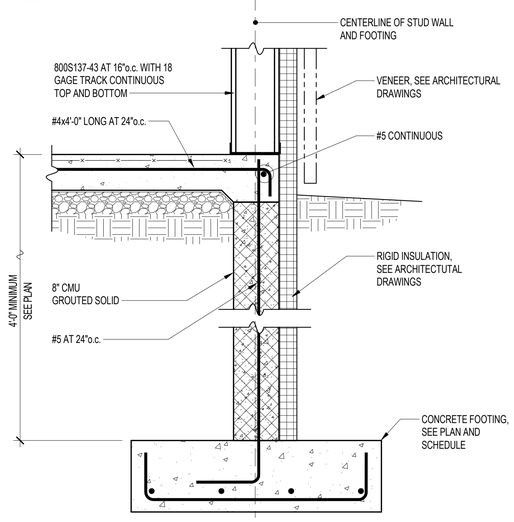
BID DOCUMENTS 05/15/2025



A S402 SECTION
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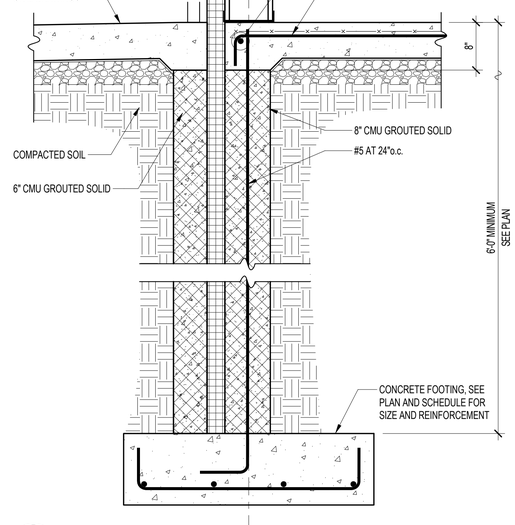


B S402 SECTION
SCALE: 1" = 1'-0"



C S402 SECTION
SCALE: 1" = 1'-0"

D S402 SECTION
SCALE: 1" = 1'-0"



E S402 SECTION
SCALE: 1" = 1'-0"

DWG FILENAME

SEAL
STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER
DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1		1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ENGINEER: RODRIGO CHACON	DGN BY: GM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS–BUILT PER RECORD PRINT	DWN BY: HW	REVIEWED BY:									
BY: DATE:	CHKD BY: CR	DATE REVIEWED:									

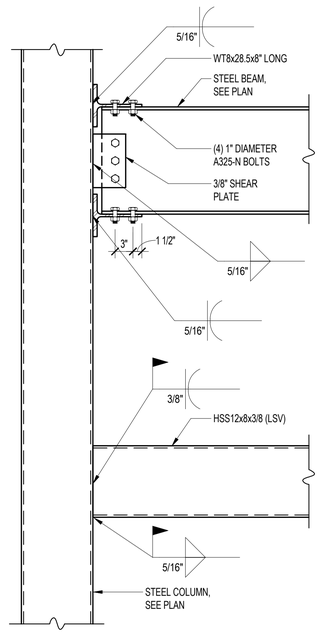
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FOUNDATION SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

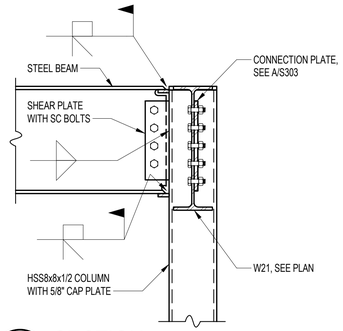
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S402	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	127 OF 195
	DRAWING NUMBER
	2025-344
	FILE NO.: 8

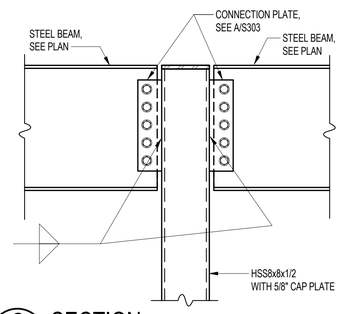
BALTIMORE COUNTY MARYLAND



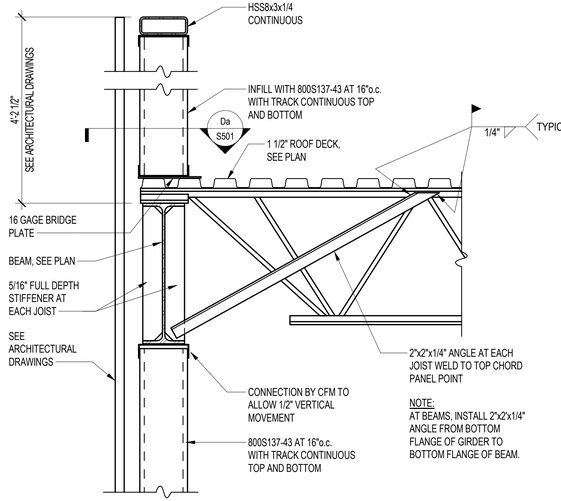
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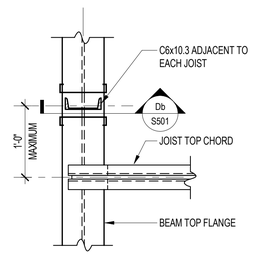
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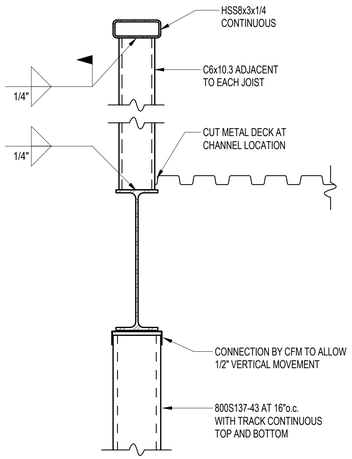
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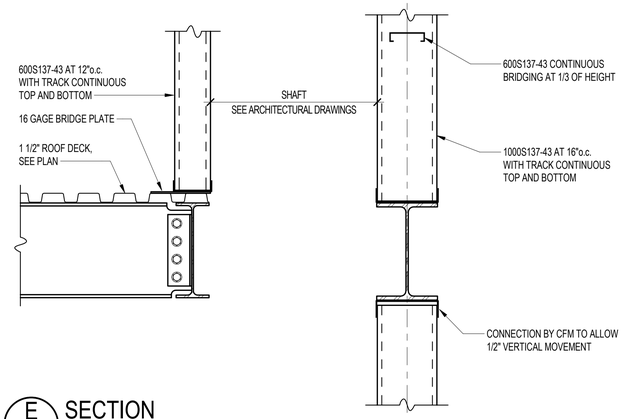
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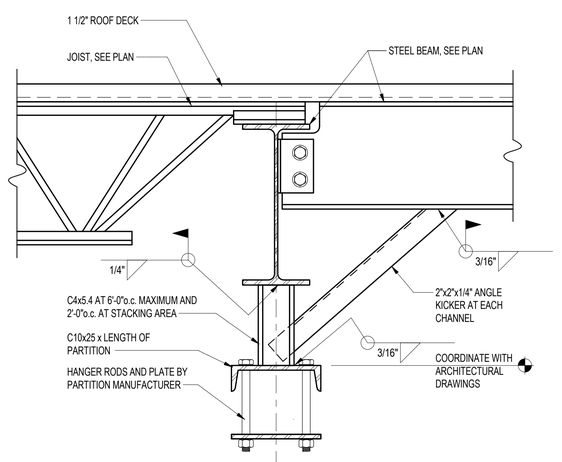
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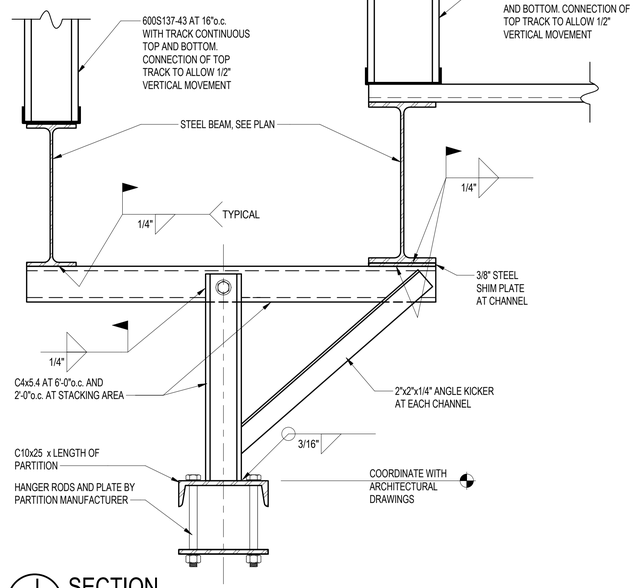
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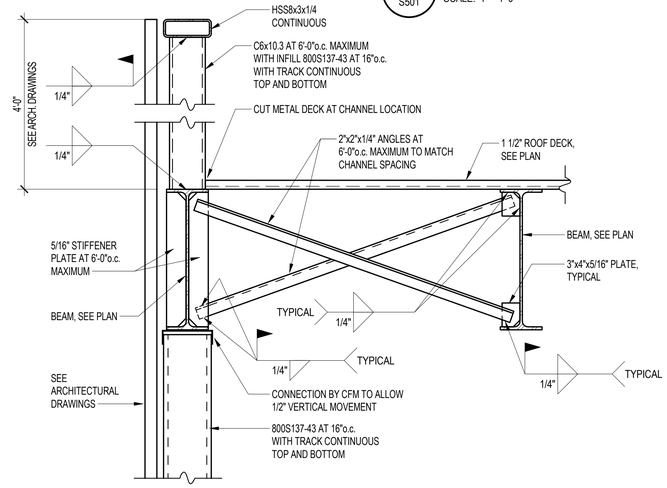
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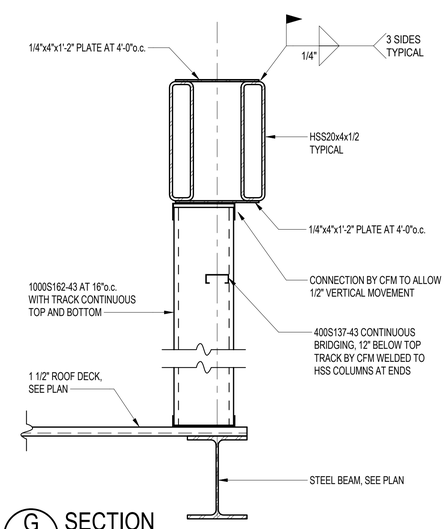
H S501 SECTION
SCALE: 1 1/2" = 1'-0"



J S501 SECTION
SCALE: 1 1/2" = 1'-0"



F S501 SECTION
SCALE: 1" = 1'-0"



G S501 SECTION
SCALE: 1" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND RODRIGO S. CHACON No. 14479 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027	PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	APPROVED BY: PROPERTY MANAGER
DATE:	ENGINEER: RODRIGO CHACON DGN BY: GM	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	AS–BUILT PER RECORD PRINT DWN BY: HW	BUREAU OF ENGINEERING AND CONSTRUCTION / TRAFFIC / HIGHWAYS / STRUCTURES / STORM DRAINS / SEWER / WATER / FIELD ENGINEER							
	BY: DATE: CHKD BY: CR	REVIEWED BY: DATE REVIEWED:							

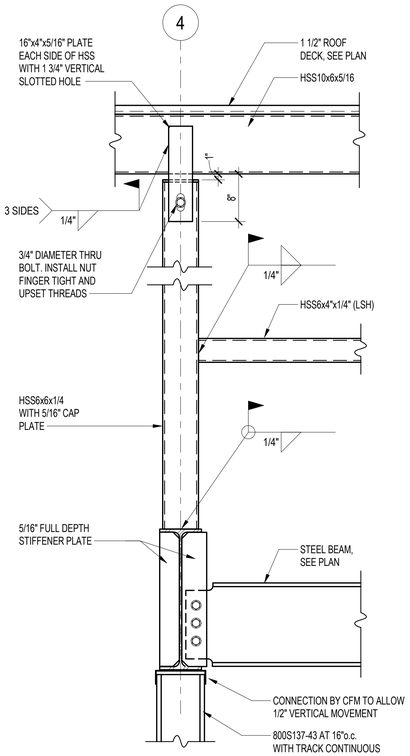
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FRAMING SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

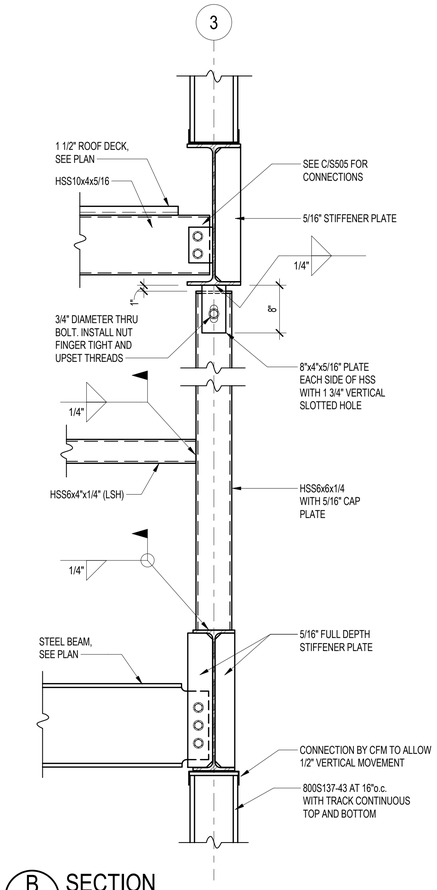
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S501	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	128 OF 195
	DRAWING NUMBER
	2025-345
	FILE NO.: 8

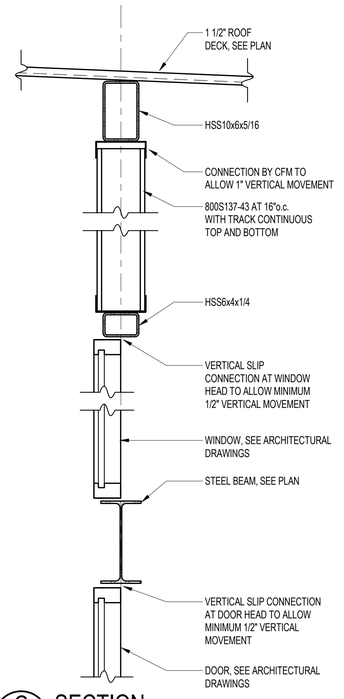
BALTIMORE COUNTY MARYLAND



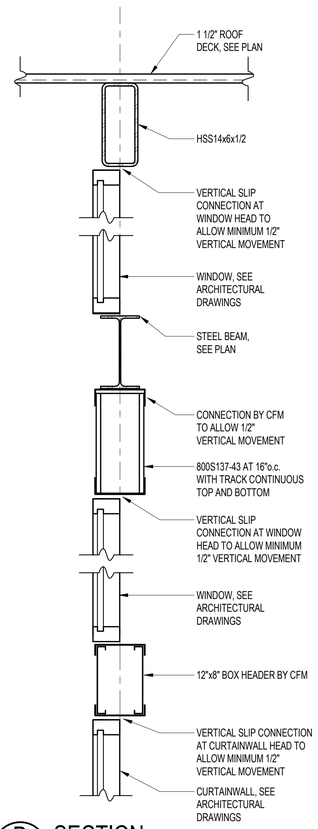
A SECTION
S502
SCALE: 1" = 1'-0"



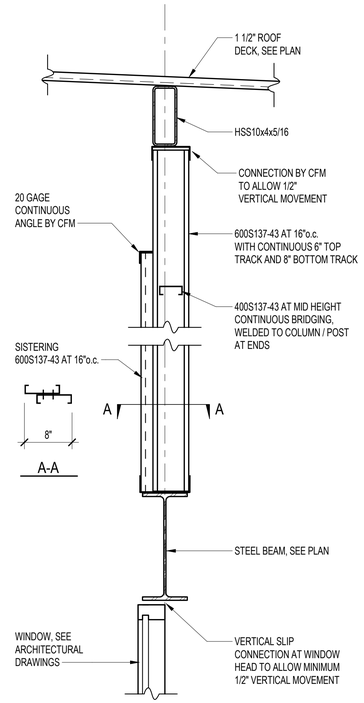
B SECTION
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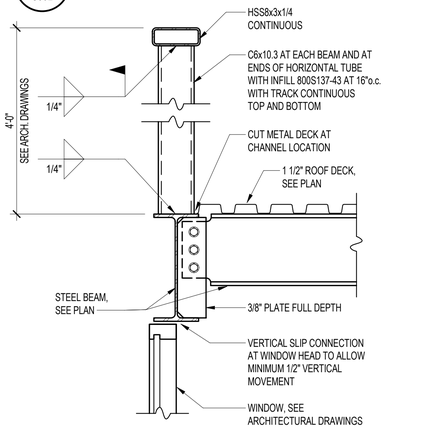
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S502
SCALE: 1" = 1'-0"



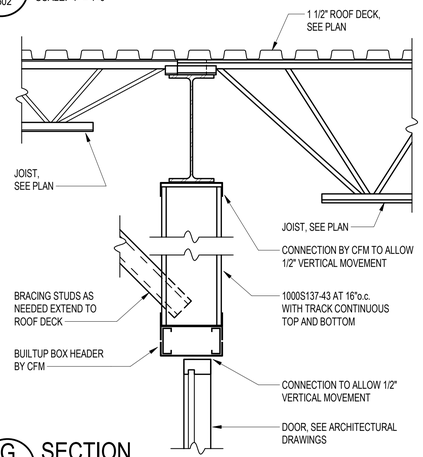
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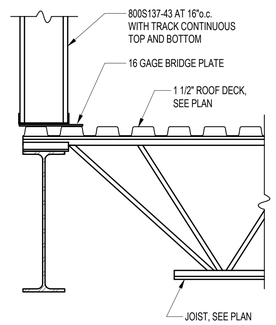
E SECTION
S502
SCALE: 1" = 1'-0"



F SECTION
S502
SCALE: 1" = 1'-0"



G SECTION
S502
SCALE: 1" = 1'-0"



H SECTION
S502
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · RODRIGO CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON DGN BY: GM

DWN BY: HW

AS–BUILT PER RECORD PRINT BY: DATE:

CHKD BY: CR

AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:	APPROVED BY: PROPERTY MANAGER
						PROFILE SCALE:	DATE:
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FRAMING SECTIONS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

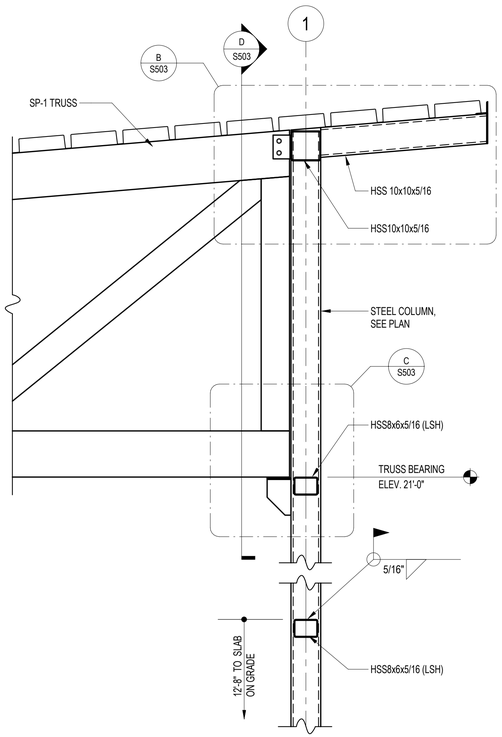
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S502	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	129 OF 195
	DRAWING NUMBER
	2025-346
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

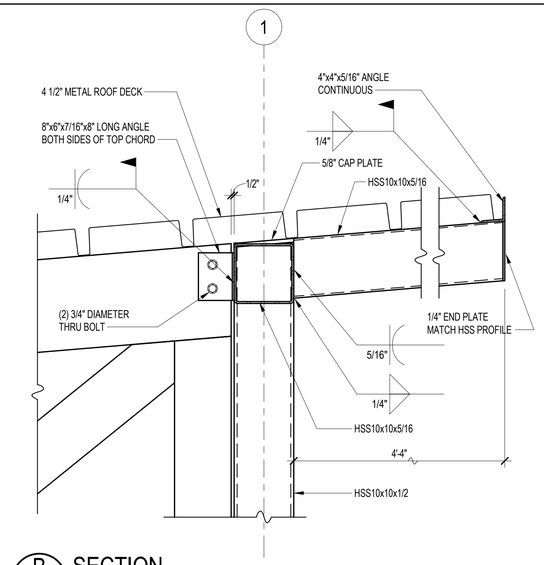
DWG FILENAME

BID DOCUMENTS 05/15/2025



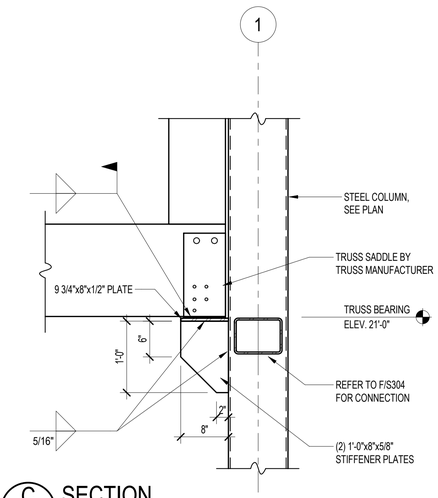
A S503 SECTION

SCALE: 1/2" = 1'-0"



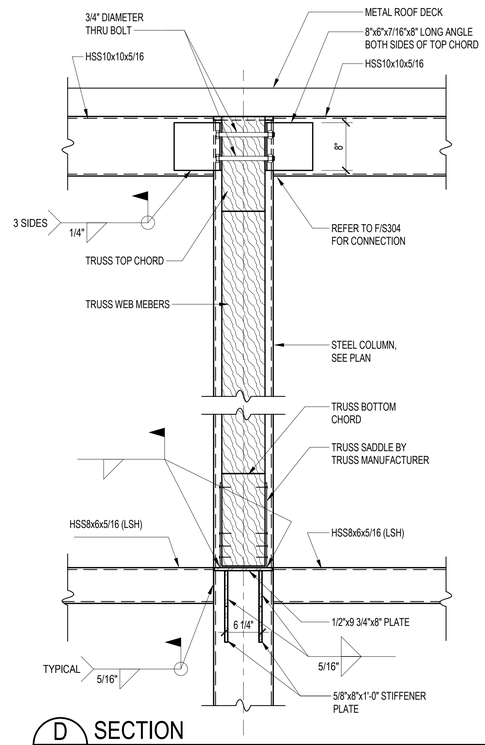
B S503 SECTION

SCALE: 1" = 1'-0"



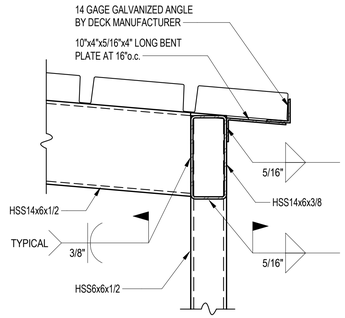
C S503 SECTION

SCALE: 1" = 1'-0"



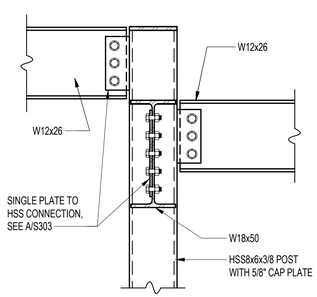
D S503 SECTION

SCALE: 1" = 1'-0"



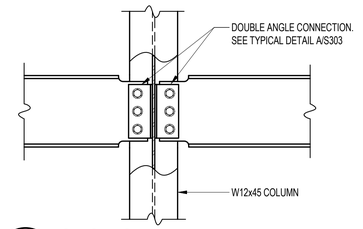
Ea S503 SECTION

SCALE: 1" = 1'-0"



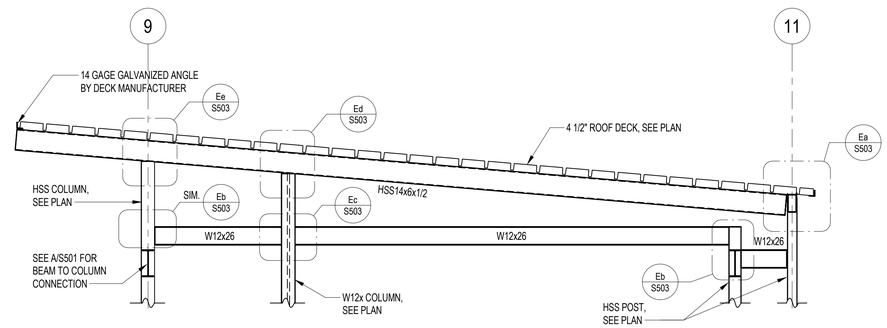
Eb S503 SECTION

SCALE: 1" = 1'-0"



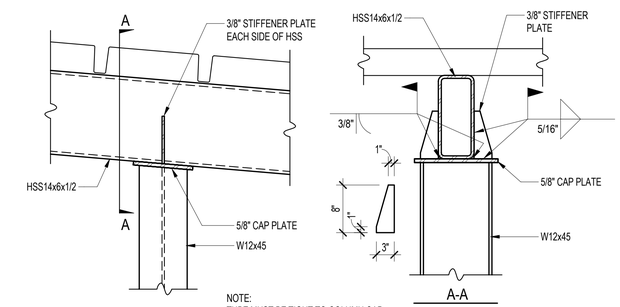
Ec S503 SECTION

SCALE: 1" = 1'-0"



E S503 FRAMING ELEVATION

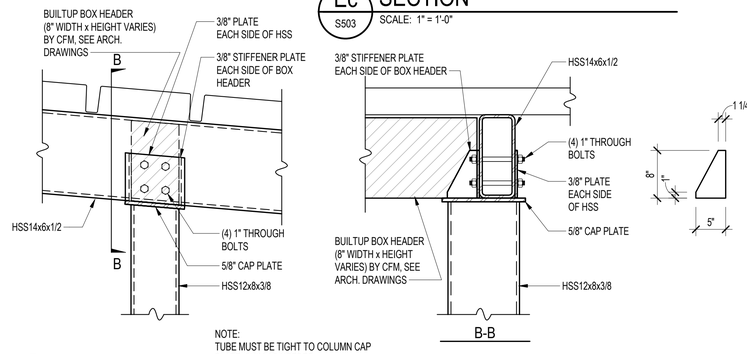
SCALE: 1/4" = 1'-0"



NOTE:
TUBE MUST BE TIGHT TO COLUMN CAP PLATE, SHIM AS NEEDED.

Ed S503 SECTION

SCALE: 1" = 1'-0"



NOTE:
TUBE MUST BE TIGHT TO COLUMN CAP PLATE, SHIM AS NEEDED.

Ee S503 SECTION

SCALE: 1" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND
GREGG H. CROSS
No. 14479
PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: GM

DWN BY: HW

CHKD BY: CR

AS--BUILT / REVISION

PERMIT REVISIONS # 1

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION

REVIEWED BY:

DATE REVIEWED:

BY	DATE	P.W.A NO.
1	3/19/25	

TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY:

PROPERTY MANAGER

DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FRAMING SECTIONS

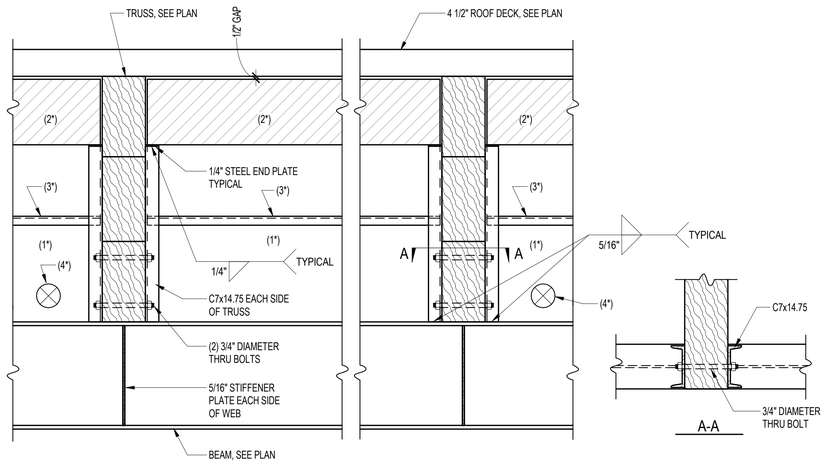
BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

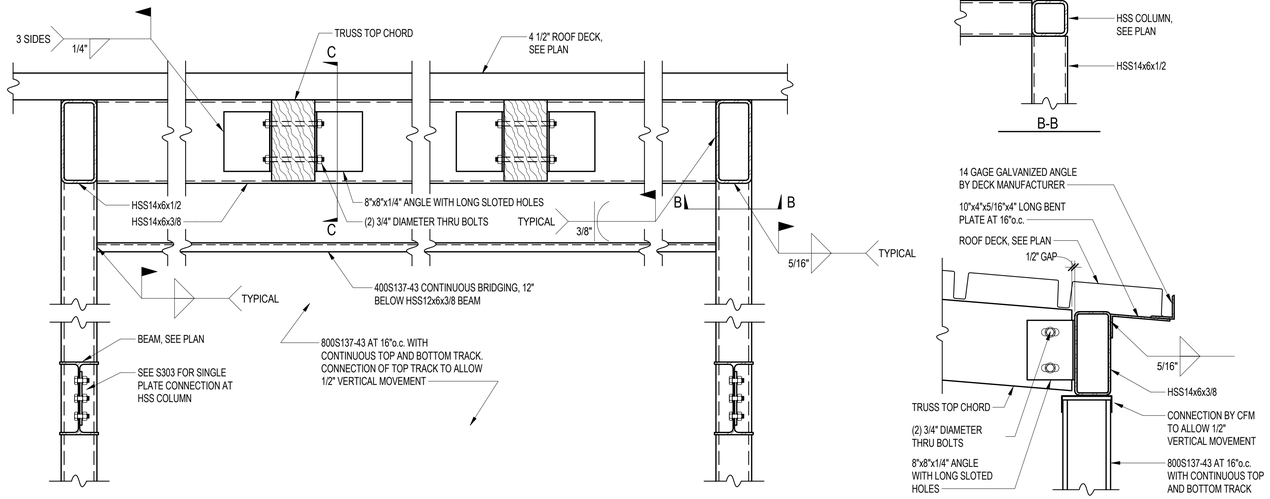
SHEET DESIGNATION	CONTRACT NUMBER
S503	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	130 OF 195
	DRAWING NUMBER
	2025-347
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

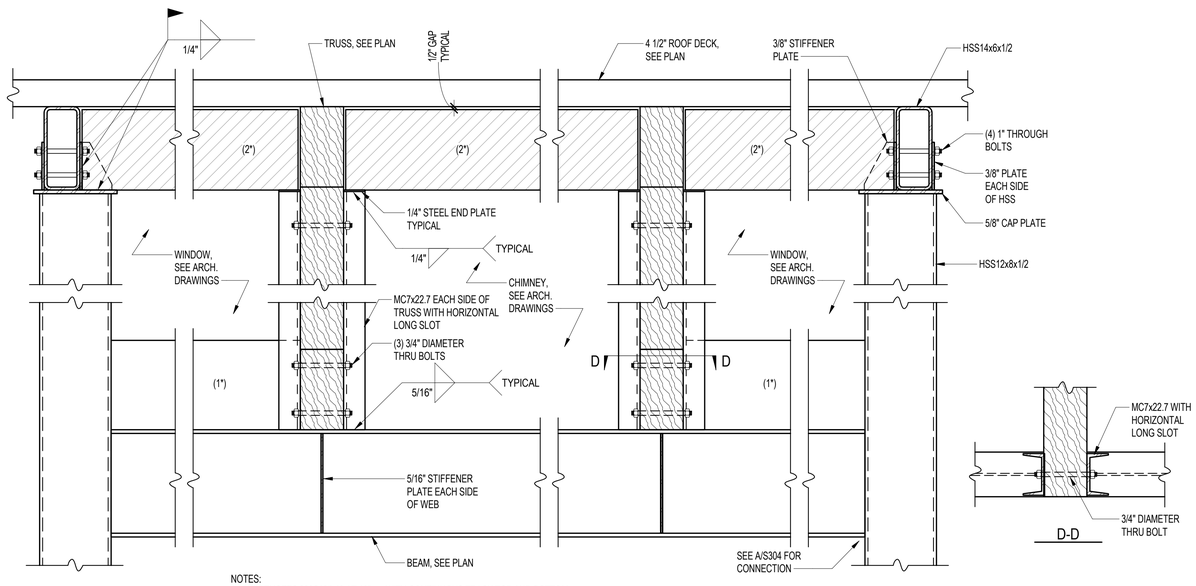


NOTES:
1. (1") DENOTES 600S137-43 AT 16"o.c. WITH CONTINUOUS TRACK TOP AND BOTTOM.
2. (2") DENOTES BOX HEADER (6" WIDE x HEIGHT VARIES, 14" MAXIMUM) WITH END PLATE AT BOTH ENDS BY COLD FORMED MANUFACTURER.
3. (3") DENOTES 400S137-43 CONTINUOUS BRIDGING, 12" BELOW BOX HEADER BY CFM.
4. (4") FOR PIPE OPENINGS, SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS.
5. TRUSSES MUST BEAR ON THE STEEL BEAM, SHIM AS NEEDED BEFORE INSTALLING THE THROUGH BOLTS.

A SECTION
S504
SCALE: 1" = 1'-0"

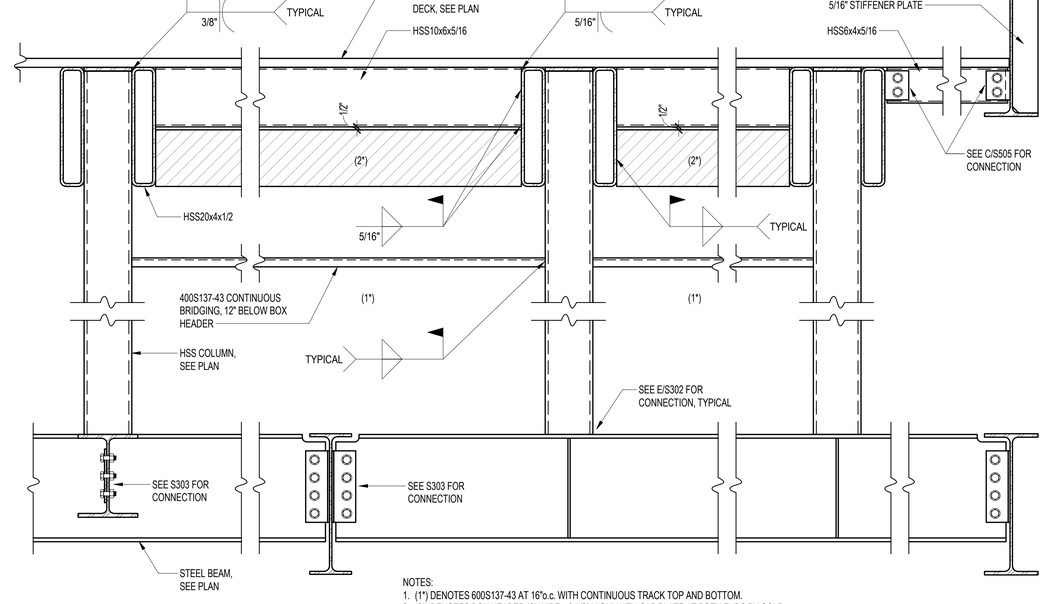


B SECTION
S504
SCALE: 1" = 1'-0"



NOTES:
1. (1") DENOTES 800S137-43 AT 16"o.c. WITH CONTINUOUS TRACK TOP AND BOTTOM.
2. (2") DENOTES BOX HEADER (8" WIDE x HEIGHT VARIES) WITH END PLATE AT BOTH ENDS BY COLD FORMED MANUFACTURER.
3. TRUSSES MUST BEAR ON THE STEEL BEAM, SHIM AS NEEDED BEFORE INSTALLING THE THROUGH BOLTS.

C SECTION
S504
SCALE: 1" = 1'-0"



NOTES:
1. (1") DENOTES 600S137-43 AT 16"o.c. WITH CONTINUOUS TRACK TOP AND BOTTOM.
2. (2") DENOTES BOX HEADER (6" WIDE x 9 1/2" HIGH) WITH CAP PLATE AT BOTH ENDS BY COLD FORMED MANUFACTURER.

D SECTION
S504
SCALE: 1" = 1'-0"

CIVIC FILENAME

SEAL

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ENGINEER: RODRIGO CHACON	DGN BY: GM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: HW	REVIEWED BY:								
BY: DATE:	CHKD BY: CR	DATE REVIEWED:								

SUBDIVISION: JACKSONVILLE

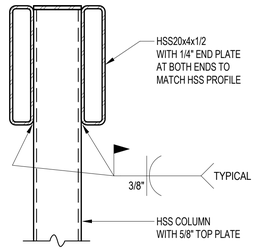
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FRAMING SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

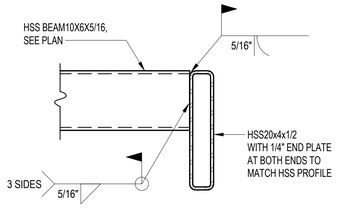
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S504	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	131 OF 195
	DRAWING NUMBER
	2025-348
	FILE NO.: 8

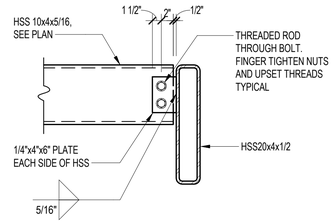
BALTIMORE COUNTY MARYLAND



A S505 SECTION
SCALE: 1" = 1'-0"

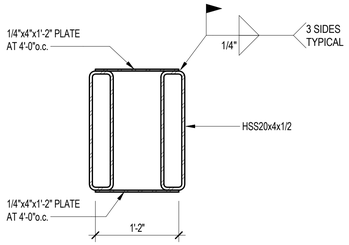


B S505 SECTION
SCALE: 1" = 1'-0"

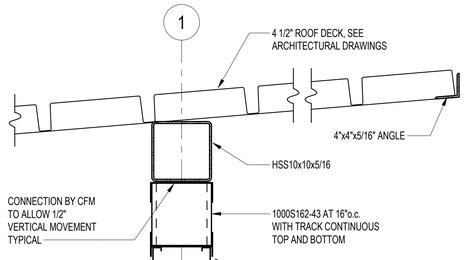


NOTES:
1. PROVIDE STANDARD HOLES IN HSS10x4x5/16 AND SSL HOLES IN PLATES.
2. PROVIDE 1/4" MINIMUM THICKNESS END PLATE AT END OF HSS.
3. PROVIDE 1/8" GAP BETWEEN EACH SHEAR PLATE AND HSS TO ALLOW FOR HSS WALL GEOMETRY TOLERANCES.

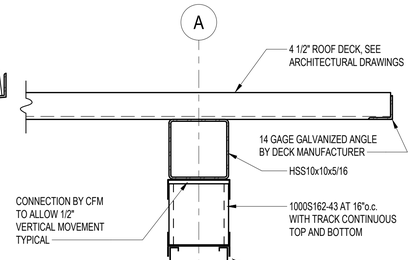
C S505 SECTION
SCALE: 1" = 1'-0"



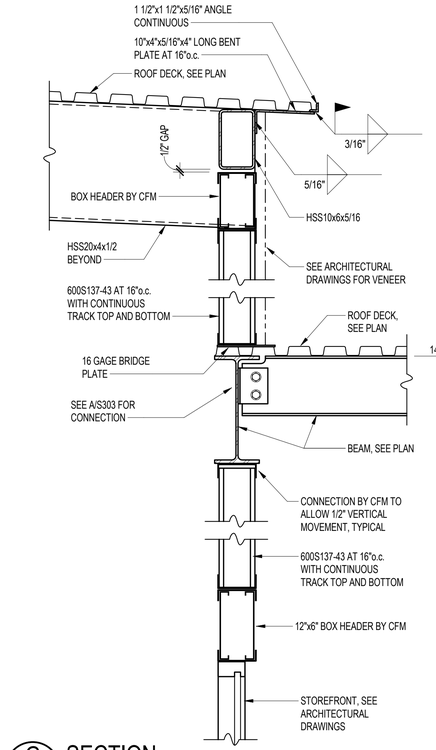
D S505 SECTION
SCALE: 1" = 1'-0"



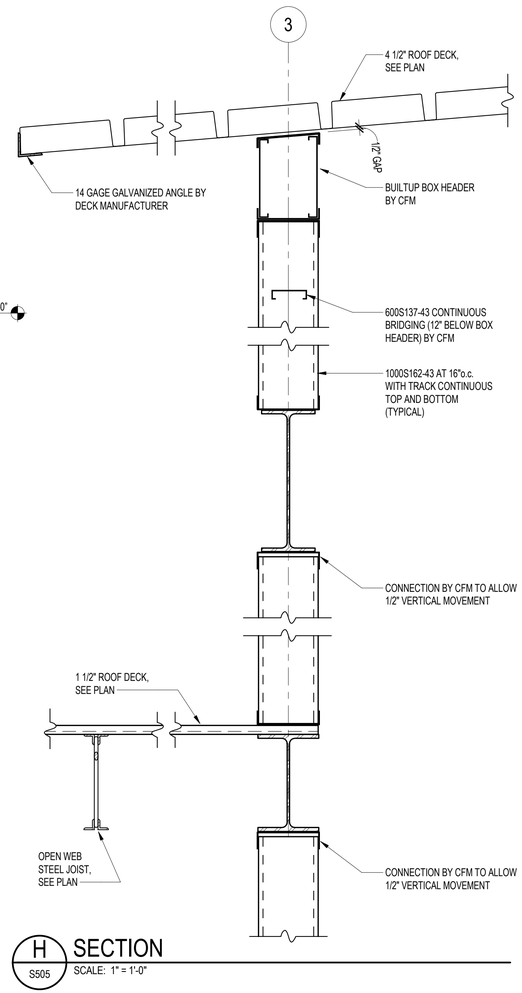
E S505 SECTION
SCALE: 1" = 1'-0"



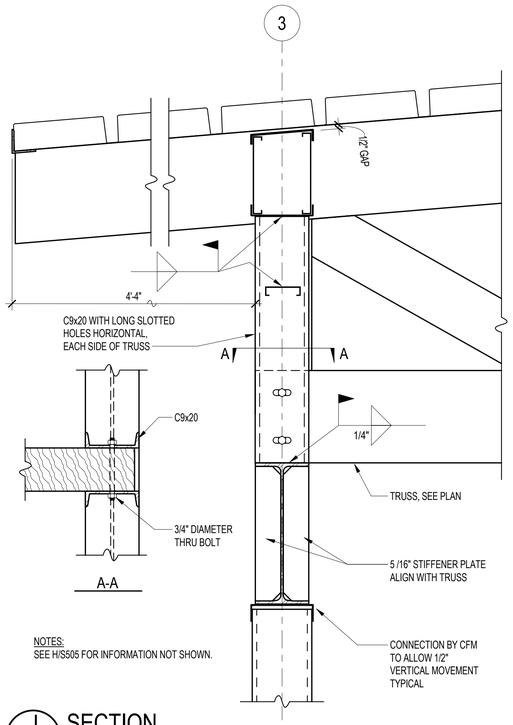
F S505 SECTION
SCALE: 1" = 1'-0"



G S505 SECTION
SCALE: 1" = 1'-0"

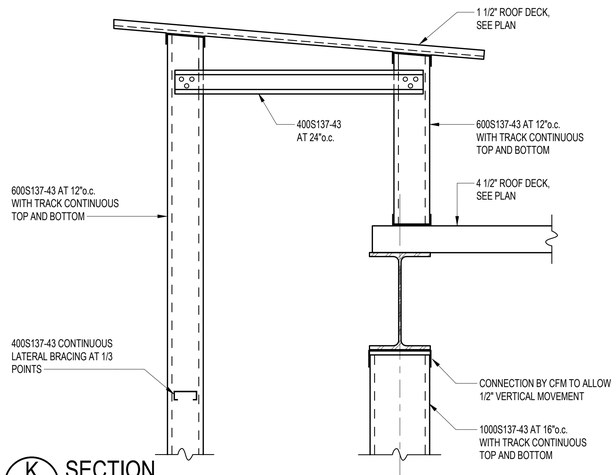


H S505 SECTION
SCALE: 1" = 1'-0"



NOTES:
SEE H/S505 FOR INFORMATION NOT SHOWN.

J S505 SECTION
SCALE: 1" = 1'-0"



K S505 SECTION
SCALE: 1" = 1'-0"

DWG. FILENAME

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027

ENGINEER: RODRIGO CHACON — DGN BY: GM

DWN BY: HW

AS–BUILT PER RECORD PRINT

BY:

DATE:

CHKD BY: CR

AS–BUILT / REVISION

PERMIT REVISIONS # 1

CONTRACT COMPLETION BOX

BY	DATE	P.W.A NO.
1	3/19/25	

KEY SHEET: UNE

POSITION SHT: 78NE11, 78NE12, 98NE11, 79NE12

DRAWING SCALE: PLAN SCALE: ; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

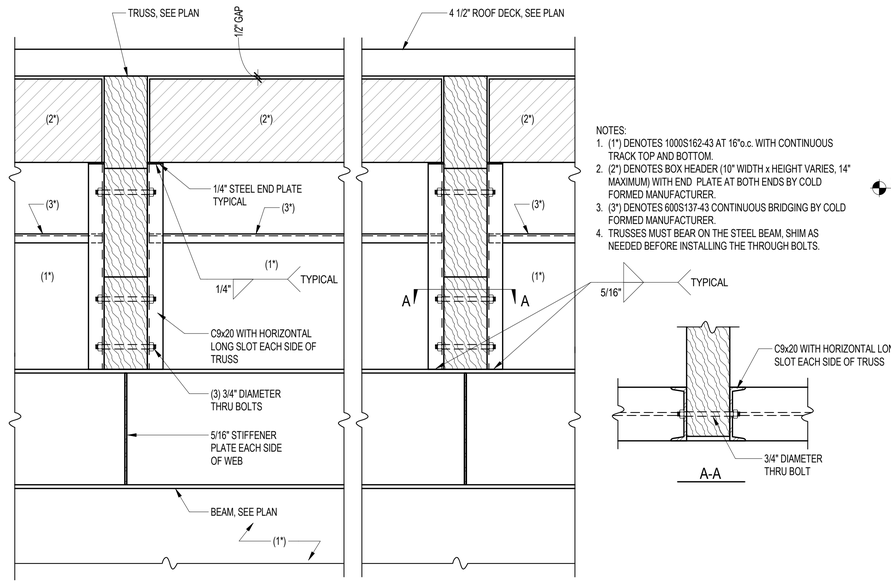
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FRAMING SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

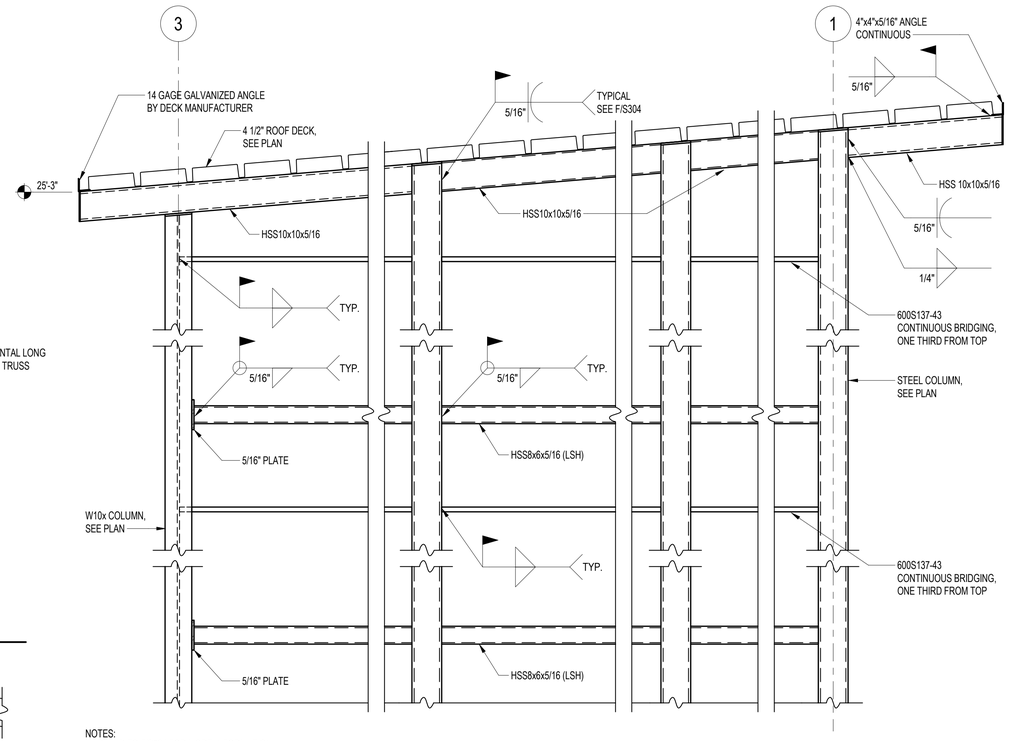
SHEET DESIGNATION	CONTRACT NUMBER
S505	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	132 OF 195
	DRAWING NUMBER
	2025-349
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



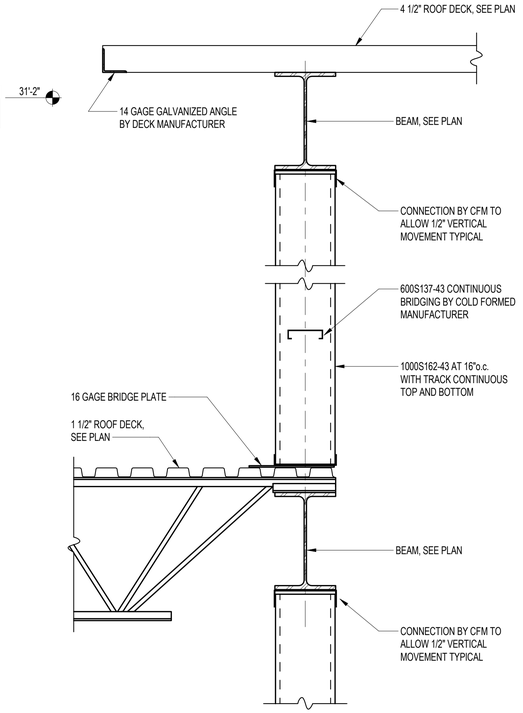
NOTES:
1. (1") DENOTES 1000S162-43 AT 16"o.c. WITH CONTINUOUS TRACK TOP AND BOTTOM.
2. (2") DENOTES BOX HEADER (10" WIDTH x HEIGHT VARIES, 14" MAXIMUM) WITH END PLATE AT BOTH ENDS BY COLD FORMED MANUFACTURER.
3. (3") DENOTES 600S137-43 CONTINUOUS BRIDGING BY COLD FORMED MANUFACTURER.
4. TRUSSES MUST BEAR ON THE STEEL BEAM, SHIM AS NEEDED BEFORE INSTALLING THE THROUGH BOLTS.

A SECTION
A / S506
SCALE: 1" = 1'-0"

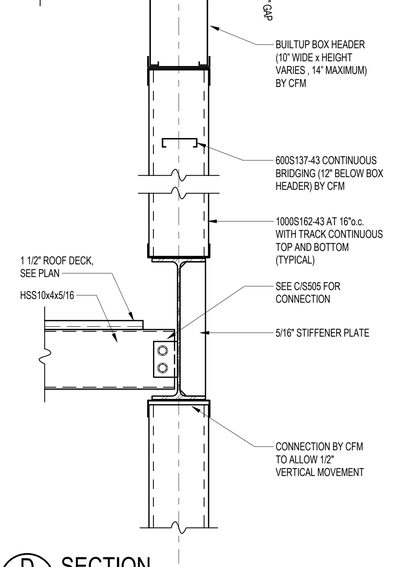


NOTES:
1. REFER TO F/SS04 FOR MORE INFORMATION.

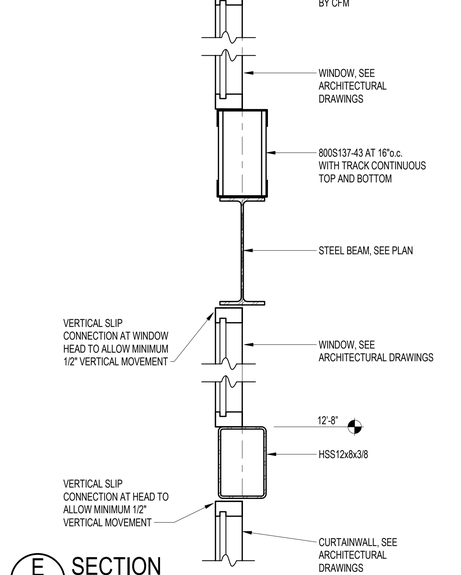
B SECTION
B / S506
SCALE: 1/2" = 1'-0"



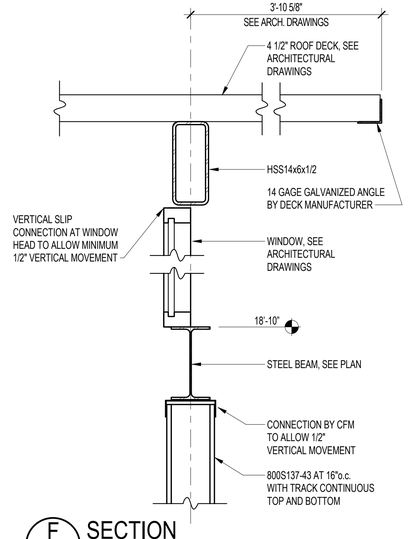
C SECTION
C / S506
SCALE: 1" = 1'-0"



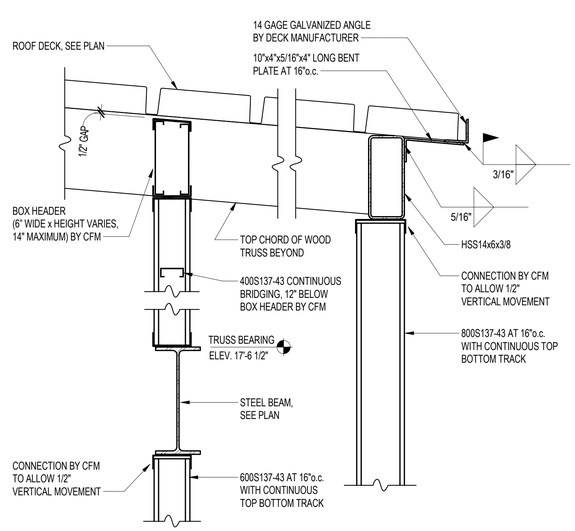
D SECTION
D / S506
SCALE: 1" = 1'-0"



E SECTION
E / S506
SCALE: 1" = 1'-0"



F SECTION
F / S506
SCALE: 1" = 1'-0"



G SECTION
G / S506
SCALE: 1" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS # 1	1	3/19/25		UNE	78NE11 78NE12 98NE11 79NE12	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 14479 , EXPIRATION DATE: 06-22-2027		CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
ENGINEER: RODRIGO CHACON	DGN BY: GM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: HW	REVIEWED BY:								
BY: DATE:	CHKD BY: CR	DATE REVIEWED:								

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FRAMING SECTIONS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
S506	25010 PO0
	JOB ORDER NUMBER
	10-701-1861
	133 OF 195
	DRAWING NUMBER
	2025-350
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

MECHANICAL GENERAL NOTES

1. THE MECHANICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE SCOPE AND THE GENERAL ARRANGEMENT OF THE SYSTEMS. WHERE APPLICABLE THE FOLLOWING NOTES SHALL APPLY TO ALL MECHANICAL (HVAC AND PIPING) SYSTEMS.
2. THOUGH SOME DUCTWORK AND PIPING OFFSETS AND TRANSITIONS ARE INDICATED, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL OFFSETS AND TRANSITIONS REQUIRED. THE CONTRACTOR SHALL FULLY COORDINATE THE MECHANICAL WORK WITHIN ITSELF AND WITH THE WORK OF ALL OTHER TRADES TO PROVIDE COMPLETE AND OPERABLE SYSTEMS WITHOUT INTERFERENCES.
3. PROVIDE APPROVED FIRE STOPPING MATERIAL AROUND ALL DUCTWORK AND PIPING PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED FLOORS AND WALLS. PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS AND FIRE/SMOKE DAMPERS AT ALL PENETRATIONS THROUGH SHAFT ENCLOSURES.
4. SUPPORT ALL EQUIPMENT (I.E. VRF UNITS, ETC.) FROM STRUCTURE WITH SPECIFIED VIBRATION ISOLATION.
5. PROVIDE ACCESS PANELS WHERE REQUIRED FOR ADEQUATE ACCESS TO ALL CONCEALED EQUIPMENT, VALVES, DAMPERS AND CONTROLS.
6. ALL DUCT SIZES REFER TO INTERNAL FREE AREA. REFER TO DRAWINGS AND SPECIFICATIONS FOR INTERNAL INSULATION AND SOUND LINING PRIOR TO FABRICATION.
7. ALL DUCTWORK SHALL BE CONSTRUCTED OF RIGID SHEET METAL UNLESS OTHERWISE NOTED.
8. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS AND BORDER TYPES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
9. INSTALL DUCTWORK AND PIPING MAINS TIGHT TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE INDICATED.
10. REFER TO MECHANICAL DETAILS FOR TYPICAL EQUIPMENT CONNECTIONS.
11. AIR CONDITIONING (A/C) CONDENSATE PIPING SHALL BE EXTENDED FROM ALL A/C CONDENSATE SOURCE EQUIPMENT (VRF INDOOR UNITS, ETC.) AND CONNECTED TO THE NEAREST STORM WATER PIPE/DRAIN LOCATION. SIZE PER MANUFACTURER.
12. REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATION OF DUCT PENETRATIONS THRU ROOF. PROVIDE DUCT TRANSITIONS AT ROOF FOR ALL ROOF MOUNTED EQUIPMENT.
13. AS AN INTEGRAL PART OF THESE DOCUMENTS, THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
14. PRIOR TO THE BALANCING OF SYSTEMS BY THE AABC CERTIFIED BALANCING CONTRACTOR, ALL HIGH PRESSURE AND LOW PRESSURE SYSTEMS SHALL BE TESTED BY THE MECHANICAL CONTRACTOR FOR DUCT LEAKAGE. DUCT LEAKAGE SHALL NOT EXCEED 1% FOR A DURATION OF TEN (10) MINUTES. SEE SPECIFICATIONS FOR ADDITIONAL TESTING CRITERIA.
15. INSULATION MATERIALS SHALL NOT BE APPLIED UNTIL SYSTEMS HAVE BEEN WITNESSED, DOCUMENTED AND SUBMITTED TO MEET THE ABOVE TESTING REQUIREMENTS. REFER SPECIFICATIONS FOR SYSTEMS INDICATED AS LOW PRESSURE OR HIGH PRESSURE. THE BALANCE CONTRACTOR SHALL WITNESS AND CERTIFY ALL DUCT PRESSURE TESTS.
15. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY TO PLAN AND IMPLEMENT AN INDOOR AIR QUALITY CONSTRUCTION MANAGEMENT PLAN PER THE REQUIREMENTS OF USGBC (LEED).
16. ALL ROOF PENETRATIONS AND ACCESSORIES (DUCTWORK, PIPING, CONDUIT, ETC.) SHALL BE INSTALLED, FLASHED AND COUNTERFLASHED IN COMPLIANCE WITH THE CURRENT EDITIONS OF N.R.C.A. ROOFING AND WATERPROOFING MANUAL AS WELL AS SMACNA.
17. SEE ARCHITECTURAL DOCUMENTS FOR ADDITIONAL ROOFING REQUIREMENTS.
18. PROVIDE SURFACE PREPARATION OF ALL MECHANICAL ROOM FLOORS TO PROVIDE A SMOOTH, CLEANABLE SURFACE. SEE ARCHITECTURAL SPECIFICATION SECTIONS "PAINTING", WHERE APPLICABLE, FOR PAINTING REQUIREMENTS.
19. WHERE PENETRATIONS OF STRUCTURAL SLAB, WALLS, ETC. ARE ANTICIPATED, PROVIDE GROUND PENETRATING RADAR (GPR), OR OTHER APPROVED METHODS, TO DETERMINE THE LOCATION OF STRUCTURAL REINFORCEMENT. COORDINATE ALL PENETRATIONS WITH STRUCTURAL REINFORCEMENT AS REQUIRED TO AVOID DAMAGE TO THE REINFORCEMENT AS WELL AS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL SLABS, WALLS, ETC. SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW.
20. WHERE MOTOR STARTERS AND/OR VARIABLE FREQUENCY DRIVES (VFD'S) ARE INDICATED FOR MECHANICAL EQUIPMENT, THEY SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED WITH THE ELECTRICAL SPECIFICATIONS FOR MOTOR STARTERS AND VFD'S. WHERE MOTOR STARTERS AND/OR VFD'S ARE PROVIDED BY THE MECHANICAL CONTRACTOR, OR AS A PORTION OF A PACKAGED MECHANICAL UNIT, THE ELECTRICAL SPECIFICATIONS SHALL ALSO APPLY. ALL VFD'S FOR THE PROJECT, WHETHER PROVIDED BY THE MECHANICAL OR ELECTRICAL CONTRACTOR, SHALL BE PROVIDED BY A SINGLE MANUFACTURER, AND SHALL INCLUDE THE SAME FEATURES AND OPTIONS.
21. UNLESS INDICATED OTHERWISE, ALL EXPOSED PIPING IN ALL FINISHED AREAS SHALL BE COVERED WITH A 16-GAUGE STEEL PRIMED AND PAINTED METAL COVER. THE COVER SHALL BE SECURED TO AN ADJACENT STRUCTURE AND PAINTED TO MATCH ADJACENT SURFACES.
22. ALL ROOF MOUNTED EQUIPMENT SHALL BE LOCATED A MINIMUM OF 15' FROM THE ROOF EDGE UNLESS AN OSHA AND IBC COMPLIANT MEANS OF FALL PROTECTION IS PROVIDED.

MECHANICAL ABBREVIATIONS

AIR CHANGES / HOUR	ACH	HERTZ	HZ
AIR COOLED CONDENSING UNIT	ACCU	INCH(ES)	IN
AIR FOIL	AF	KILOWATT	KW
ABOVE FINISHED FLOOR	AFF	LENGTH	L
AIR FLOW MONITOR	AFM	LEAVING AIR TEMPERATURE	LAT
AIR HANDLING UNIT	AHU	POUNDS	LBS
AIR PRESSURE DROP	APD	MAXIMUM	MAX
ARCHITECTURAL	ARCH	THOUSAND BRITISH THERMAL UNITS PER HOUR	MBH
AUTOMATIC TEMPERATURE CONTROLS	ATC	MINIMUM CIRCUIT AMPACITY	MCA
BUILDING AUTOMATION SYSTEM	BAS	MECHANICAL EQUIPMENT ROOM	MER
BRAKE HORSEPOWER	BHP	MINIMUM	MIN
BACKWARD INCLINED	BI	MAXIMUM OVERCURRENT PROTECTION	MOP
BRITISH THERMAL UNIT	BTU	NORMALLY OPEN / NUMBER	NO
BRITISH THERMAL UNITS PER HOUR	BTUH	OUTSIDE AIR	OA
CAPACITY	CAP	POUNDS PER SQUARE INCH	PSI
CUBIC FEET PER MINUTE	CFM	PUMPED DISCHARGE	PD
CARBON DIOXIDE	CO2	QUANTITY	QTY
CONDITIONED OUTSIDE AIR	COA	RETURN AIR	RA
DRY BULB	DB	RETURN AIR FAN	RAF
DESIGNATION	DESIG	RELATIVE HUMIDITY	RH
DIAMETER	DIA	REVOLUTIONS PER MINUTE	RPM
DOWN	DN	ROOF TOP UNIT	RTU
DRAWING(S)	DWG	SUPPLY AIR	SA
EXHAUST AIR	EA	STATIC PRESSURE	SP
ENTERING AIR TEMPERATURE	EAT	TESTING AND BALANCING	TAB
ENERGY EFFICIENCY RATIO	EER	TOTAL STATIC PRESSURE	TSP
EXHAUST FAN	EF	TYPICAL	TYP
ENERGY MANAGEMENT CONTROL SYSTEM	EMCS	UNLESS OTHERWISE NOTED	UON
EXTERNAL STATIC PRESSURE	ESP	VOLTS	V
FLEXIBLE CONNECTION / FORWARD CURVED	FC	VARIABLE AIR VOLUME	VAV
FULL LOAD AMPS	FLA	VARIABLE FREQUENCY DRIVE	VFD
FINS PER INCH	FPI	WIDTH	W
FEET PER MINUTE	FPM	WET BULB	WB
FEET	FT	WATER COLUMN	WC
FACE VELOCITY	FV	WATER GAUGE	WG
HEIGHT	H	WATER PRESSURE DROP	WPD
HORSEPOWER	HP		

MECHANICAL LEGEND

- REFRIGERANT SUCTION — RS
- REFRIGERANT LIQUID — RL
- REFRIGERANT GAS — RG
- PUMPED DISCHARGE — PD
- CONDENSATE DRAIN LINE — CD
- BALL VALVE
- 3-PORT MODULATING CONTROL VALVE
- 2-PORT MODULATING CONTROL VALVE
- TEE
- PIPING CAP
- PIPING ELBOW DOWN
- PIPING ELBOW UP
- PIPE CONNECTION BOTTOM
- PIPE CONNECTION TOP
- ROOF DRAIN — RD
- SUPPLY AIR & OUTSIDE AIR DUCT UP (DASHED LINES FOR DOWN)
- RETURN DUCT UP (DASHED LINES FOR DOWN)
- EXHAUST DUCT UP (DASHED LINES FOR DOWN)
- FLEXIBLE CONNECTION
- FLEXIBLE DUCT
- DOUBLE THICKNESS TURNING VANES
- DUCTWORK WITH SOUND LINING
- FLEXIBLE DUCT AND EQUIPMENT CONNECTOR
- NEW DUCTWORK
- DUCT TRANSITION ROUND TO RECTANGULAR
- DUCT TRANSITION
- CHANGE IN DUCT ELEVATION (R-RISE, D-DROP) — R / D
- DUCT SIZE (FIRST FIGURE IS SIDE SHOWN) — 12x20
- FLAT OVAL DUCT SIZE LABEL — 12x20 FO
- LINEAR SLOT DIFFUSER
- BALANCING DAMPER
- THERMOSTAT — T
- CARBON DIOXIDE SENSOR — CO2

COMcheck Software Version 4.1.5.5

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Jacksonville Senior Center
Location:	Baltimore, Maryland
Climate Zone:	4a
Project Type:	New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity System Type & Description

1 DOAS-1 (Single Zone):
Single Package Heat Pump
Heating Mode: Capacity = 81 kBtu/h,
Proposed Efficiency = 3.40 COP, Required Efficiency = 3.20 COP
Cooling Mode: Capacity = 183 kBtu/h, , Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 10.60 EER + 11.6 IEER
Fan System: DOAS Fans | Ventilation -- Compliance (Brake HP method) : Passes

Fans:
DOAS Supply Supply, Constant Volume, 2725 CFM, 3.0 motor nameplate hp, 2.5 design brake hp (2.5 max. BHP), 0.8 fan efficiency grade
DOAS Exhaust Exhaust, Constant Volume, 2400 CFM, 3.0 motor nameplate hp, 2.0 design brake hp (2.0 max. BHP), 0.8 fan efficiency grade
Pressure Drop Credits:
Fully ducted return and/or exhaust air systems, 0.2905 credit
Exhaust filters, scrubbers, or other exhaust treatment, 0.2905 credit
Particulate filtration credit: MERV 13 through 15, 0.5937 credit
Energy recover device, other than Coil Runaround Loop, 0.7444 credit

1 RTU-1 (Single Zone):
Single Package Heat Pump
Heating Mode: Capacity = 100 kBtu/h,
Proposed Efficiency = 3.30 COP, Required Efficiency = 3.20 COP
Cooling Mode: Capacity = 233 kBtu/h, , Air Economizer
Proposed Efficiency = 10.90 EER, Required Efficiency: 10.60 EER + 11.6 IEER
Fan System: RTU Fans | Multipurpose -- Compliance (Brake HP method) : Passes

Fans:
RTU Supply Supply, Single-Zone VAV, 5000 CFM, 7.2 motor nameplate hp, 4.4 design brake hp (4.4 max. BHP), 0.8 fan efficiency grade
RTU Exhaust Relief, Single-Zone VAV, 4500 CFM, 1.5 motor nameplate hp, 1.3 design brake hp (1.3 max. BHP), 0.9 fan efficiency grade
Pressure Drop Credits:
Fully ducted return and/or exhaust air systems, 0.5447 credit
Particulate filtration credit: MERV 13 through 15, 1.0893 credit

1 MAU-1 (Single Zone):
Single Package Heat Pump
Heating Mode: Capacity = 34 kBtu/h,
Proposed Efficiency = 3.80 COP, Required Efficiency = 3.30 COP

Project Title: Jacksonville Senior Center
Data filename: \|BKMA-DC11\Projects\23127.01\Engineering\Mechanical\Calculations\23127 - COMcheck - HVAC.cck

Quantity System Type & Description

Cooling Mode: Capacity = 89 kBtu/h, , Air Economizer
Proposed Efficiency = 11.90 EER, Required Efficiency: 11.00 EER + 12.0 IEER
Fan System: MAU Fan | Kitchen Hood -- Compliance (Brake HP method) : Passes

Fans:
MAU Supply Supply, Constant Volume, 1675 CFM, 1.0 motor nameplate hp, 0.7 design brake hp (0.7 max. BHP), 0.8 fan efficiency grade
MAU Exhaust Exhaust, Constant Volume, 2100 CFM, 1.0 motor nameplate hp, 0.7 design brake hp (0.7 max. BHP), 0.8 fan efficiency grade

1 VRF-1 (Single Zone):
VRF Condensing Unit, Air Cooled w/ Heat Recovery Heat Pump
Heating Mode: Capacity = 215 kBtu/h,
No minimum efficiency requirement applies
Cooling Mode: Capacity = 192 kBtu/h,
No minimum efficiency requirement applies
Fan System: None

12 VFR-1 Terminal Units (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 12 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: VRF Fans -- Compliance (Motor nameplate HP method) : Passes

Fans:
VRF Terminal Unit FAN Supply, Constant Volume, 500 CFM, 0.3 motor nameplate hp, 0.8 fan efficiency grade

1 VRF-2 (Single Zone):
VRF Condensing Unit, Air Cooled w/ Heat Recovery Heat Pump
Heating Mode: Capacity = 108 kBtu/h,
No minimum efficiency requirement applies
Cooling Mode: Capacity = 96 kBtu/h,
No minimum efficiency requirement applies
Fan System: None

7 VFR-1 Terminal Units copy 1 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 12 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: VRF Fans -- Compliance (Motor nameplate HP method) : Passes

Fans:
VRF Terminal Unit FAN Supply, Constant Volume, 500 CFM, 0.3 motor nameplate hp, 0.8 fan efficiency grade

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Erik R Shearer — Name - Title
Signature
01/20/2025 — Date

Project Title: Jacksonville Senior Center
Data filename: \|BKMA-DC11\Projects\23127.01\Engineering\Mechanical\Calculations\23127 - COMcheck - HVAC.cck

ARL: G:\23127.01\Drawings\Acad\MM001-MECH LEGEND

Plotted By: Erik Shearer | 1/22/2025 11:42 AM

SEAL: STATE OF MARYLAND — ERIK RICHARD CHARLES SHEARER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: DSB
DWN BY: DSB
CHKD BY: ERS

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

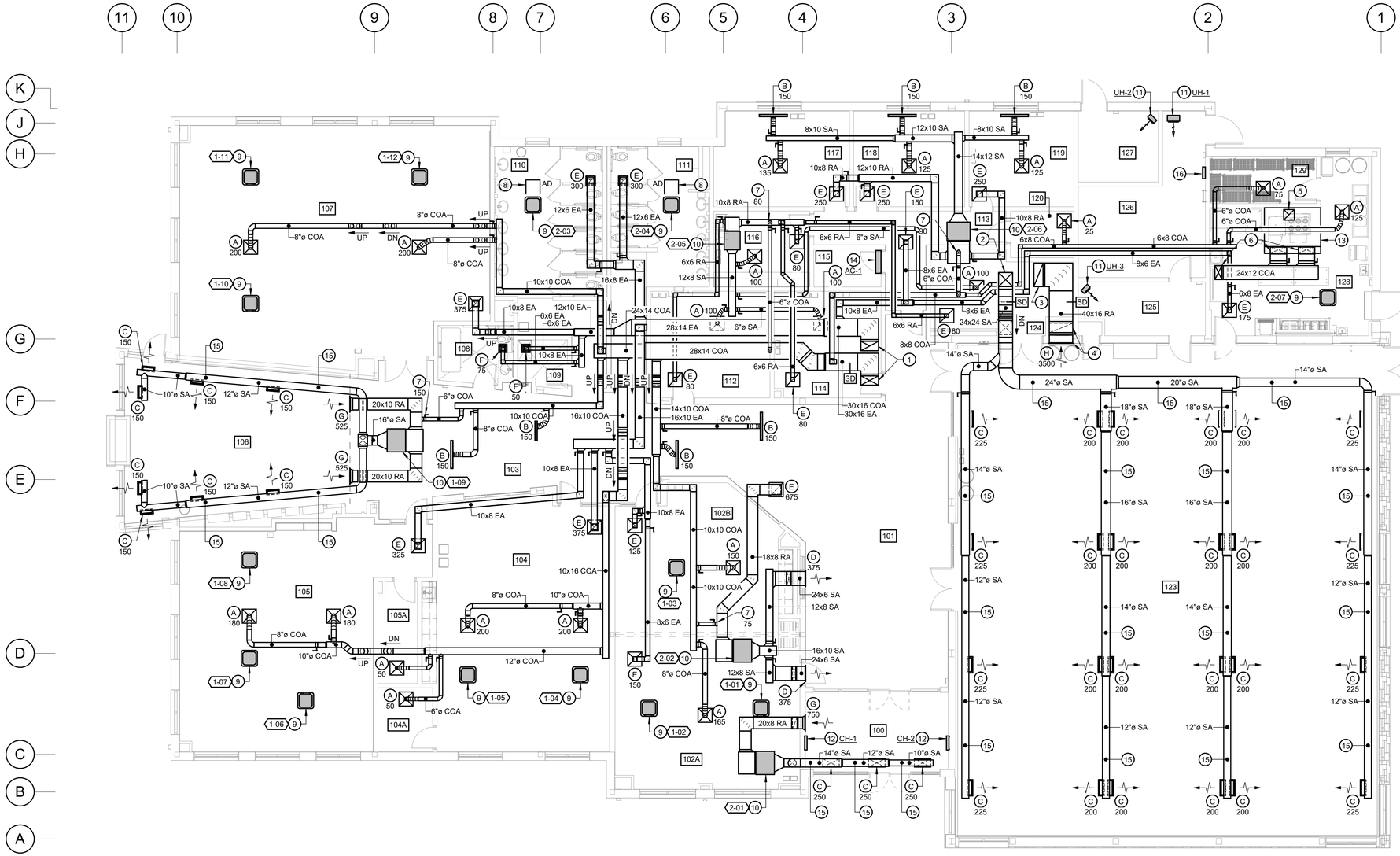
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SHEET DESIGNATION	CONTRACT NUMBER
M001	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	134 OF 195
	DRAWING NUMBER
	2025-0351
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE



1 FIRST FLOOR PLAN - DUCTWORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO M001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

DRAWING NOTES:

1. 30x16 CONDITIONED OUTSIDE AIR DUCT AND 30x16 EXHAUST AIR DUCT UP TO DOAS-1 ON ROOF ABOVE. PROVIDE WITH 1" (MINIMUM) ACOUSTIC LINING IN RISERS.
2. 24x24 SUPPLY AIR DUCT TO RTU-1 ON ROOF ABOVE. PROVIDE WITH 1" (MINIMUM) ACOUSTIC LINING IN RISERS.
3. 40x16 RETURN AIR DUCT TO RTU-1 ON ROOF ABOVE. PROVIDE WITH 1" (MINIMUM) ACOUSTIC LINING IN RISERS.
4. 40x16 RETURN AIR DUCT DOWN TO LOW 40x44 RETURN AIR GRILLE APPROXIMATELY 6" ABOVE FINISHED FLOOR.
5. 18x18 KITCHEN EXHAUST AIR DUCT UP TO EXHAUST FAN EF-1 ON ROOF ABOVE AND DOWN TO KITCHEN HOOD. PROVIDE NFPA AND UL COMPLIANT "FIRE WRAP" INSULATION PER SCHEDULE ON M501.
6. 24x12 KITCHEN MAKE-UP AIR DUCT UP TO MAU-1 ON ROOF ABOVE. (2) 28x12 DOWN TO KITCHEN HOOD, 838 CFM EACH.
7. BALANCE OUTSIDE AIR TO DUCTED VRF UNITS TO THE FLOW (CFM) INDICATED.
8. PROVIDE ACCESS DOOR IN CEILING TO ALLOW MAINTENANCE ACCESS TO ADJACENT EQUIPMENT AND BALANCING DAMPERS.
9. VRF CASSETE STYLE INDOOR UNIT. MOUNT IN CEILING AND PROVIDE WITH INTEGRAL CONDENSATE PUMP.
10. VRF CONCEALED DUCTED STYLE INDOOR UNIT. MOUNT ABOVE CEILING, AND PROVIDE WITH INTEGRAL CONDENSATE PUMP AND FIELD-FABRICATED FILTER RACK.
11. ELECTRIC UNIT HEATER.
12. ELECTRIC RECESSED CABINET HEATER.
13. 'TYPE 1' KITCHEN EXHAUST HOOD, PROVIDED BY OTHERS.
14. WALL MOUNTED DX SPLIT SYSTEM INDOOR UNIT. PROVIDE WITH INTEGRAL CONDENSATE PUMP.
15. PROVIDE DOUBLE WALLED LINED SUPPLY SPIRAL DUCTWORK WITH PAINTABLE SURFACE (TYPICAL). ROUTE THROUGH SPACE HIGH WITHIN STRUCTURE.
16. ATC PANEL.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND — BRIAN CHARLES MURPHY — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DSB

DWN BY: DSB

CHKD BY: ERS

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12	PLAN SCALE:	
	78NE12		
	78NE11	PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - DUCTWORK

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

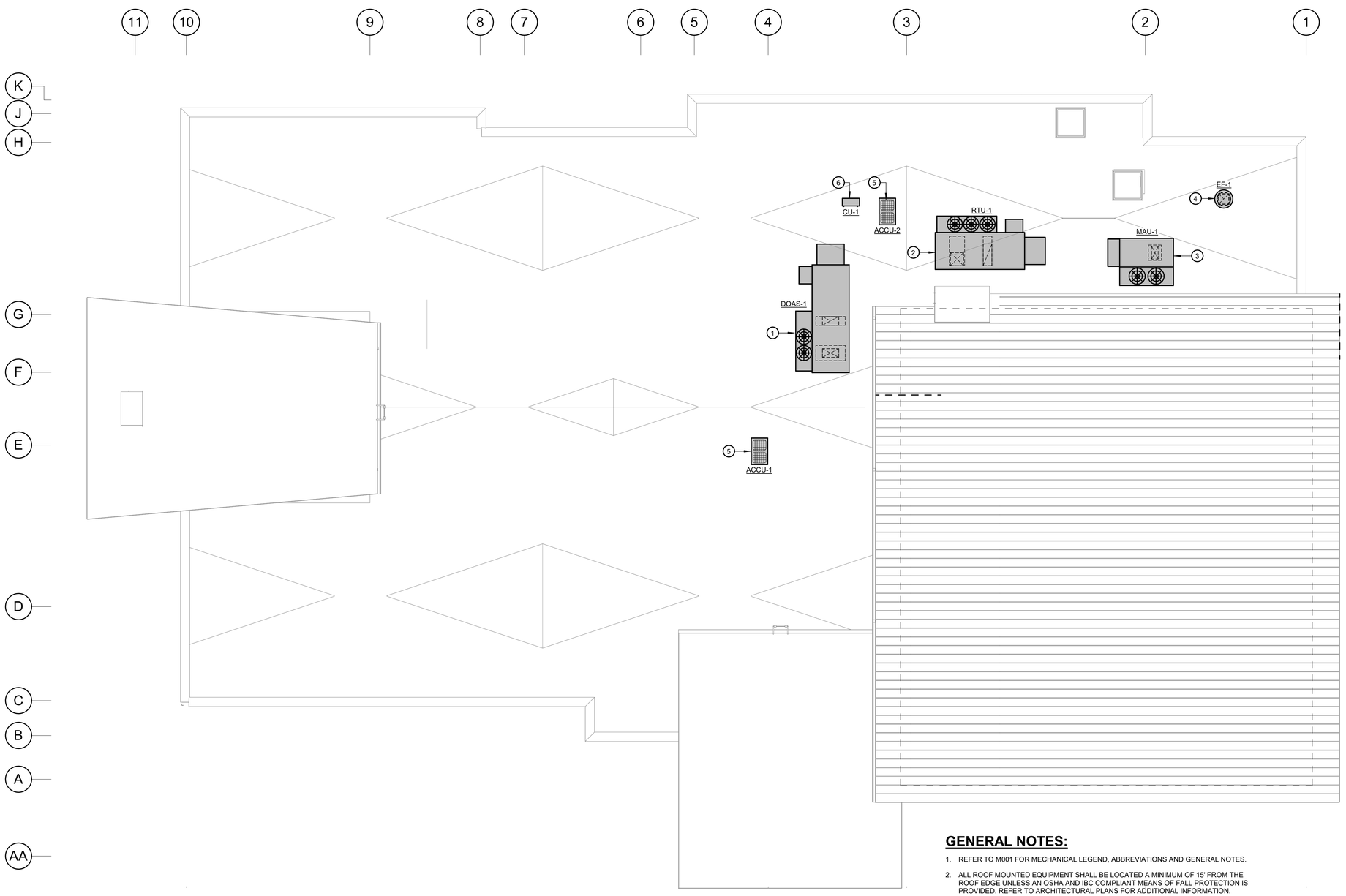
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M101	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	135 OF 195
	DRAWING NUMBER
	2025-0352
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 ROOF PLAN - HVAC

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO M001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. ALL ROOF MOUNTED EQUIPMENT SHALL BE LOCATED A MINIMUM OF 15' FROM THE ROOF EDGE UNLESS AN OSHA AND IBC COMPLIANT MEANS OF FALL PROTECTION IS PROVIDED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

DRAWING NOTES:

1. DEDICATED OUTSIDE AIR UNIT WITH ENERGY RECOVERY. MOUNT ON MANUFACTURER'S 18" CURB. EXTEND CONDENSATE PIPING OT NEAREST ROOF DRAIN.
2. ROOFTOP UNIT. MOUNT ON MANUFACTURER'S 18" CURB. EXTEND CONDENSATE PIPING TO NEAREST ROOF DRAIN.
3. KITCHEN MAKE-UP AIR UNIT. MOUNT ON MANUFACTURER'S 18" CURB. EXTEND CONDENSATE PIPING TO NEAREST ROOF DRAIN.
4. KITCHEN EXHAUST FAN. MOUNT ON MANUFACTURER'S 18" CURB.
5. VRF OUTDOOR UNIT. MOUNT ON ROOFTOP EQUIPMENT SUPPORTS.
6. SPLIT SYSTEM CONDENSING UNIT. MOUNT ON ROOFTOP EQUIPMENT SUPPORTS.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND — CHARLES RUSSELL KOEHLER — NO. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.							UNE	79NE12 78NE12 78NE11	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: DSB	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS		STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT BY: DATE:	DWN BY: DSB	REVIEWED BY:									
	CHKD BY: ERS	DATE REVIEWED:									

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF PLAN - HVAC

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

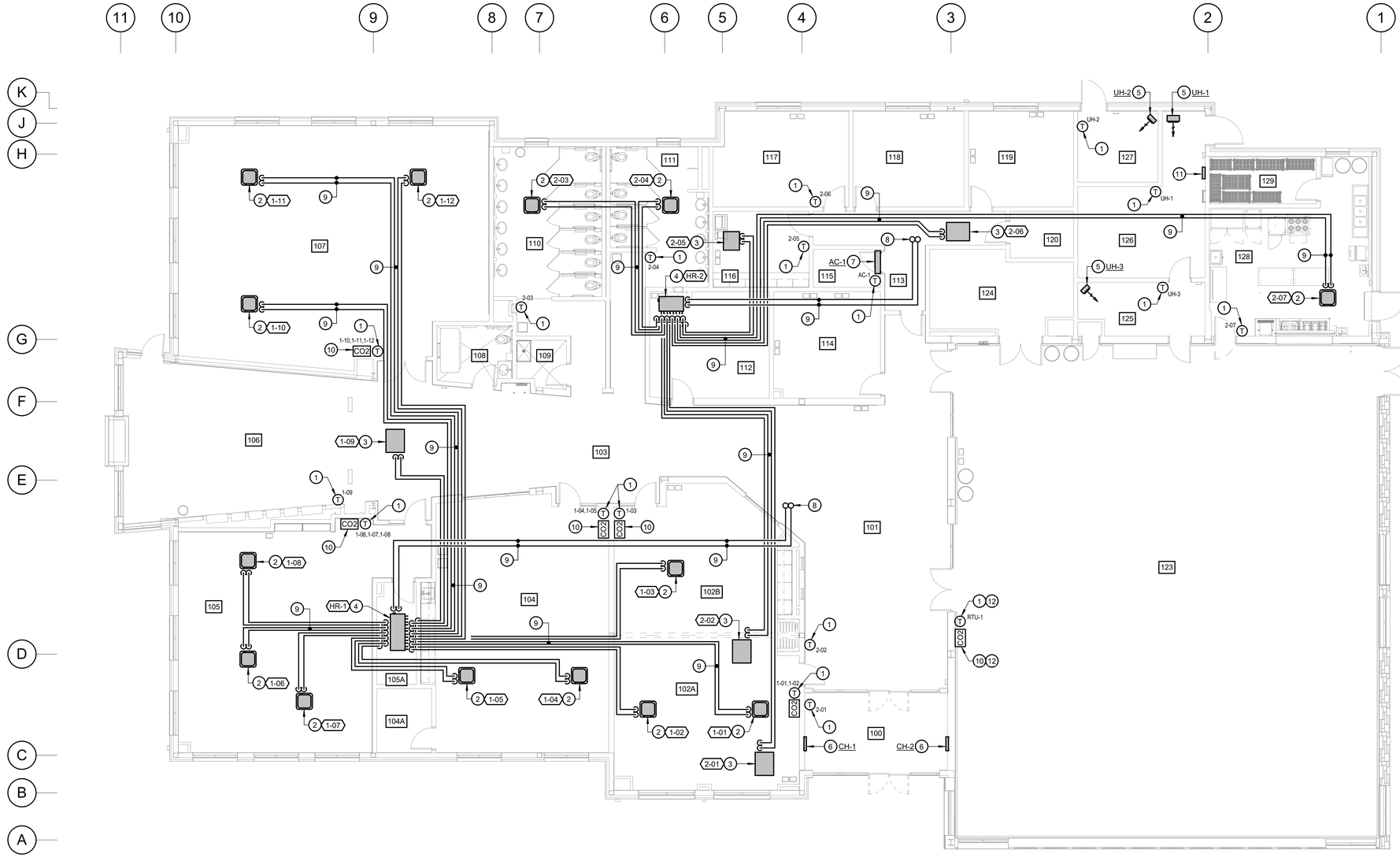
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M102	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	136 OF 195
	DRAWING NUMBER
	2025-0353
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

1 FIRST FLOOR PLAN - HVAC PIPING

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO M001 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER RECOMENDATIONS.

DRAWING NOTES:

1. PROVIDE THERMOSTAT, ASSOCIATED EQUIPMENT INDICATED.
2. VRF CASSETE STYLE INDOOR UNIT. MOUNT IN CEILING AND PROVIDE WITH INTEGRAL CONDENSATE PUMP.
3. VRF CONCEALED DUCTED STYLE INDOOR UNIT. MOUNT ABOVE CEILING, AND PROVIDE WITH INTEGRAL CONDENSATE PUMP AND FIELD-FABRICATED FILTER RACK.
4. VRF INDOOR HEAT RECOVERY BRANCH SELECTOR BOX.
5. ELECTRIC UNIT HEATER.
6. ELECTRIC CABINET HEATER.
7. WALL MOUNTED DX SPLIT SYSTEM INDOOR UNIT. PROVIDE WITH INTEGRAL CONDENSATE PUMP.
8. VRF REFRIGERANT PIPING UP TO AIR-COOLED CONDENSING UNIT ON ROOF ABOVE.
9. VRF REFRIGERANT PIPING. SIZE, ROUTE, AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
10. PROVIDE CO2 SENSOR.
11. ATC PANEL.
12. PROVIDE WITH IMPACT RESISTANT, LOCKABLE GUARD COVER.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

SEAL

STATE OF MARYLAND — TREVOR CHARLES KOEHLER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 , EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DSB

DWN BY: DSB

CHKD BY: ERS

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12	PLAN SCALE:
	78NE12	
	78NE11	PROFILE SCALE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - HVAC PIPING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

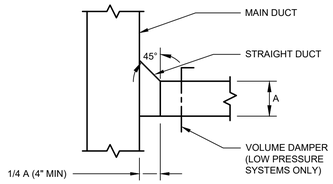
SHEET DESIGNATION	CONTRACT NUMBER
M201	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	137 OF 195
	DRAWING NUMBER
	2025-0354
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

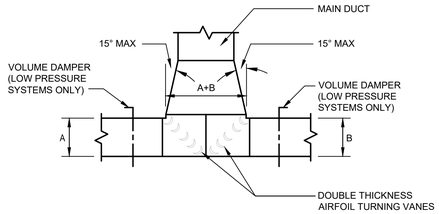
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BID DOCUMENTS 05/15/2025

BKM# 23127.01

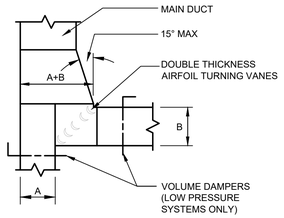


MINOR DUCT BRANCH DETAIL
NO SCALE



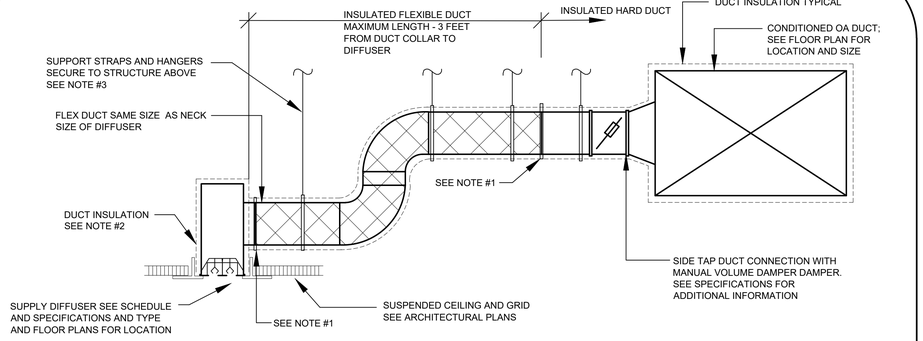
1 RECTANGULAR ELBOW DUCT TEE DETAIL
NO SCALE

NOTE: THIS DETAIL APPLIES TO BOTH ELBOWS & TEES IN VERTICAL AND HORIZONTAL APPLICATIONS.



2 MAJOR DUCT BRANCH DETAIL
NO SCALE

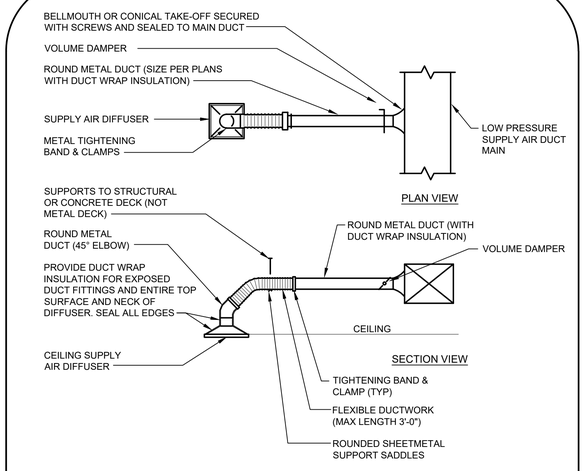
NOTE: MAJOR DUCT IS ANY SIDE 25" OR GREATER RECTANGULAR ELBOWS ONLY WHERE SHOWN.



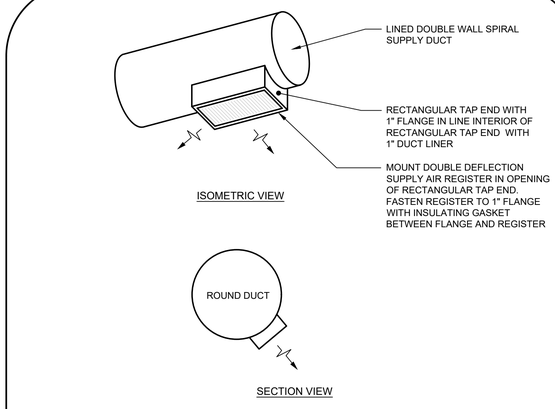
NOTES:

1. PROVIDE TIES OR STAINLESS STEEL CLAMPS TO SECURE THE INSULATION.
2. SEAL THE END OF THE INSULATION WITH A VAPOR BARRIER MASTIC.
3. PROVIDE SUPPORTS TO KEEP THE FLEXIBLE DUCT FROM SAGGING.

3 LINEAR DIFFUSER WITH HARD DUCT & FLEXIBLE DUCT CONNECTIONS
NO SCALE



4 ROUND NECK DIFFUSER DETAIL
NO SCALE



MULTIPURPOSE ROOM / LOUNGE / VESTIBULE REGISTER MOUNTING DETAIL
5 NO SCALE

DWG. FILENAME

ARL: G:\23127.01\Drawings\Acad\MM301 - MECH DETAILS

Plotted By: Erik Sheaner | 1/21/2026 1:15 PM

SEAL	PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND · DAVID SCOTT BURDETTE · No. 18528 · PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 18528 EXPIRATION DATE: 07/27/26						UNE	79NE12 78NE12 78NE11	PLAN SCALE:	APPROVED BY: PROPERTY MANAGER
			CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

ENGINEER		DGN BY:	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.		DSB								
AS–BUILT PER RECORD PRINT		DWN BY: DSB	REVIEWED BY:							
BY:	DATE:	CHKD BY: ERS	DATE REVIEWED:							

DATE:_____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MECHANICAL DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

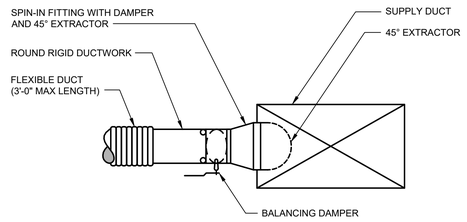
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M301	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	138 OF 195
	DRAWING NUMBER
	2025-0355
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

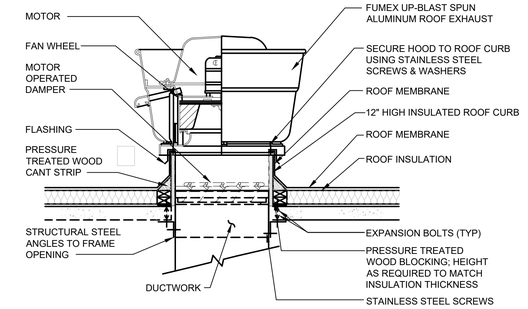
BID DOCUMENTS 05/15/2025

BKM# 23127.01



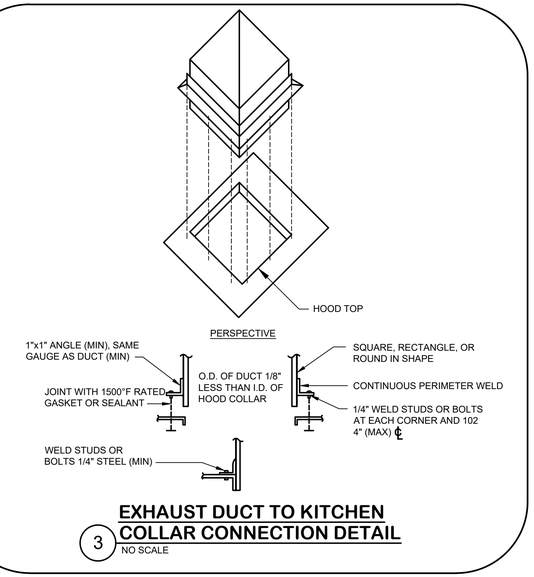
1 SPIN-IN FITTING DETAIL
NO SCALE

NOTES:
1. USE SPIN-IN FITTING WHERE TAP SIZE IS 2" SMALLER THAN DUCT RAIL DIMENSION.
2. USE BELLMOUTH FITTING WHERE TAP SIZE IS 3" SMALLER THAN DUCT RAILDIMENSION.
3. ALL CONNECTIONS SHALL BE CONSISTENT WITH FIRE RATING.

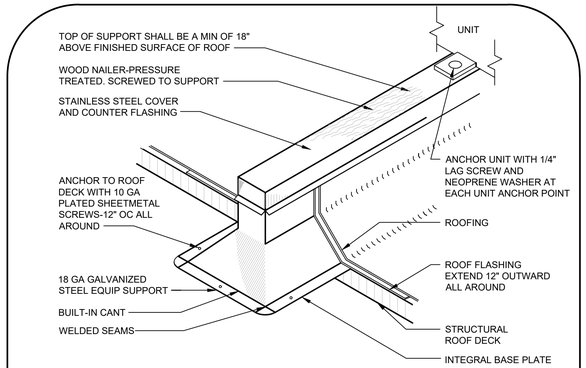


2 UPBLAST ROOF EXHAUST FAN DETAIL KITCHEN EXHAUST APPLICATION
NO SCALE

NOTES:
1. CURBS AND FANS SHALL BE FROM SAME MANUFACTURER.
2. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.
3. INSTALLATION OF FAN, CURB & DUCTWORK SHALL BE COMPLIANT WITH NFPA 96.
4. PROVIDE WITH GREASE TRAP / DRAIN CONNECTION

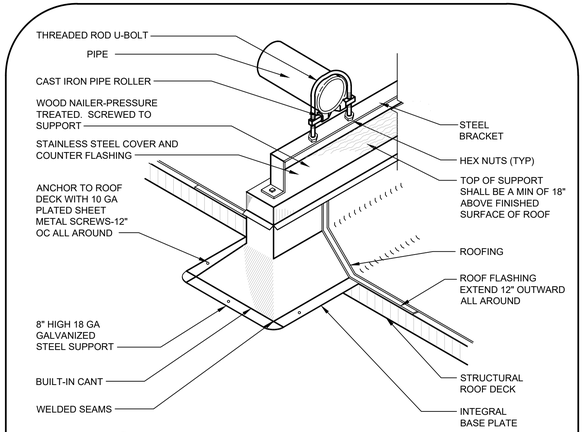


3 EXHAUST DUCT TO KITCHEN COLLAR CONNECTION DETAIL
NO SCALE



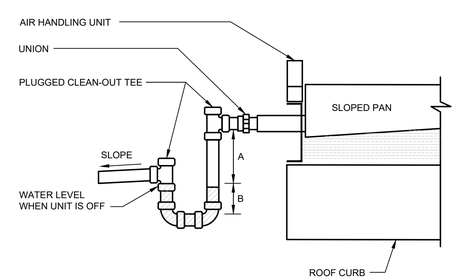
4 ROOF EQUIPMENT / DUCTWORK SUPPORT DETAIL
NO SCALE

NOTES:
1. SUPPORTS SHALL REST ON STRUCTURAL ROOF DECK. PROVIDE RAISED CANT AND CUT EXISTING ROOF INSULATION AS REQUIRED.
2. EXTEND SUPPORTS AT LEAST 6" BEYOND UNIT ON EACH SIDE.
3. WHERE APPLICABLE, DUCTWORK SHALL BE INSTALLED SUCH THAT THE CENTERLINE OF THE DUCT AND THE INLET OF THE ASSOCIATED FAN ARE AT THE SAME ELEVATION. DUCTWORK SHALL BE A MINIMUM OF 18" ABOVE FINISHED SURFACE OF ROOF TO ALLOW FOR ROOF MAINTENANCE.
4. PROVIDE ROOF SUPPORTS FOR DUCTWORK AT 6' O.C.
5. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.



5 ROOF PIPING SUPPORT DETAIL
NO SCALE

NOTES:
1. SUPPORTS SHALL REST ON STRUCTURAL ROOF DECK. PROVIDE RAISED CANT AND CUT EXISTING ROOF INSULATION AS REQUIRED.
2. PROVIDE PATE PRS-5 PIPE SUPPORT OR EQUIVALENT.
3. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.



A = (TSP - ESP) x 1.0" + 1.0"

B = A x 0.5"

6 CONDENSATE DRAIN PIPING WITH DRAW THROUGH TRAP DETAIL
NO SCALE

ARL: G:\23127.01\Drawings\Acad\MM302 - MECH DETAILS

Plotted By: Erik Shearer | 1/21/2025 1:15 PM

DWG. FILENAME

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DSB

DWN BY: DSB

CHKD BY: ERS

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12	PLAN SCALE:
	78NE12	
	78NE11	PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MECHANICAL DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

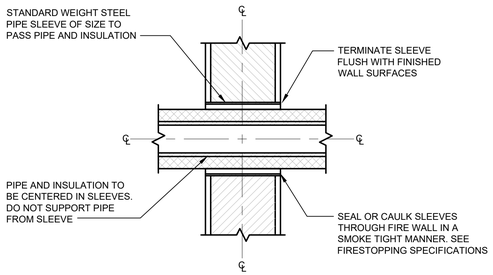
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

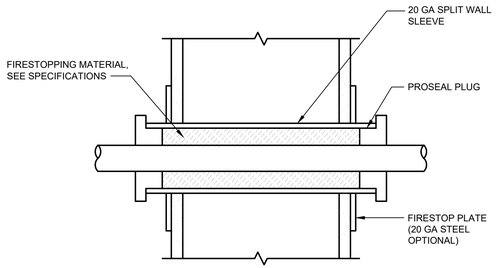
SHEET DESIGNATION	CONTRACT NUMBER
M302	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	139 OF 195
	DRAWING NUMBER
	2025-0356
	FILE NO.: 8

BID DOCUMENTS 05/15/2025

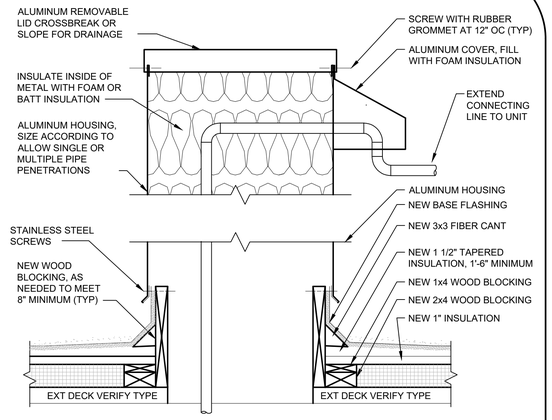
BKM# 23127.01



1 PIPE SLEEVE DETAIL
NO SCALE

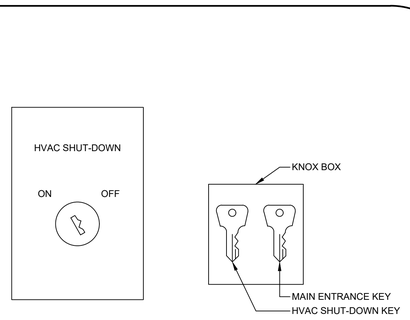


2 FIRE RATED SLEEVING SYSTEM DETAIL
NO SCALE



3 SINGLE / MULTIPLE PIPE HOUSING DETAIL
NO SCALE

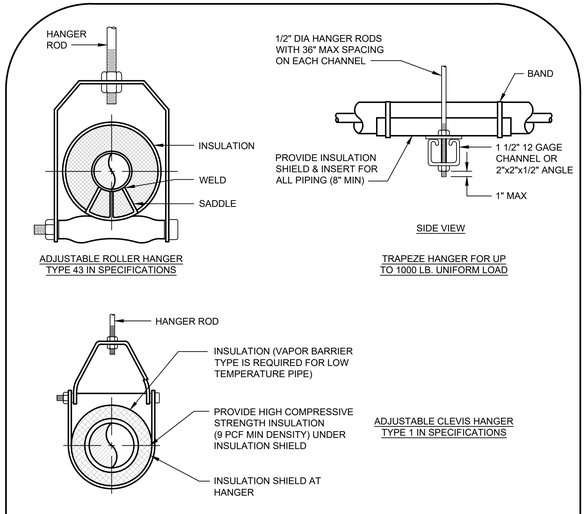
NOTE: HOUSING ASSEMBLY SHALL BE ALL ALUMINUM PRE-INSULATED WITH GASKETED CURB AND VANDAL RESISTANT COVER AND STAINLESS STEEL SCREWS AS MANUFACTURED BY VAULT OR EQUIVALENT. PITCH POCKETS WILL NOT BE ACCEPTED.



4 HVAC SHUT-DOWN SWITCH DETAIL
NO SCALE

NOTE:

1. PROVIDE A SINGLE SWITCH TO SHUT DOWN ALL HVAC EQUIPMENT REQUIRED BY THE AHJ.
2. TYPICALLY MOUNT HVAC SHUT-DOWN SWITCH ADJACENT TO FIRE ALARM PANEL AT MAIN ENTRANCE TO BUILDING. FINAL LOCATION OF KEY SWITCH AND KNOX BOX SHALL BE AS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.



MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET									
NOM. SIZE (IN)	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
PIPE	7 FT	7	7	9	10	11	12	14	16	17
TUBING	5 FT	6	7	8	8	9	10	12	13	14

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

5 TYPICAL PIPE HANGERS DETAIL
NO SCALE

DWG FILENAME

ARL: G:\23127.01\Drawings\Acad\M303 - MECH DETAILS

Plotted By: Erik Shearer | 1/21/2026 1:15 PM

SEAL: STATE OF MARYLAND — ERIK CHARLES SHEARER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DSB

DWN BY: DSB

CHKD BY: ERS

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT: APPROVED BY: ____ PROPERTY MANAGER DATE: ____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MECHANICAL DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

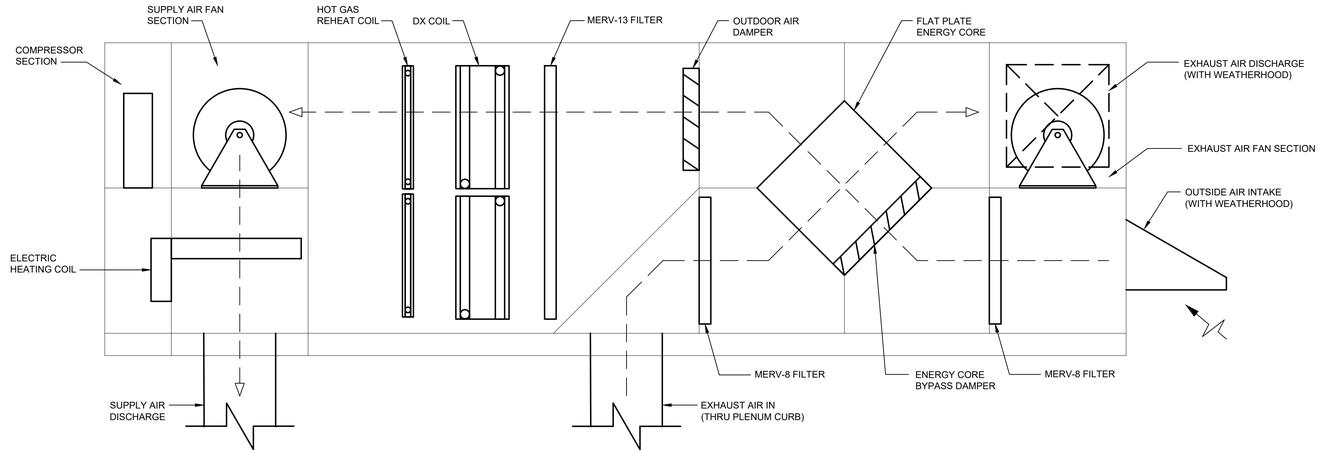
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
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	JOB ORDER NUMBER
	PO 10-701-1861
	140 OF 195
	DRAWING NUMBER
	2025-0357
	FILE NO.: 8

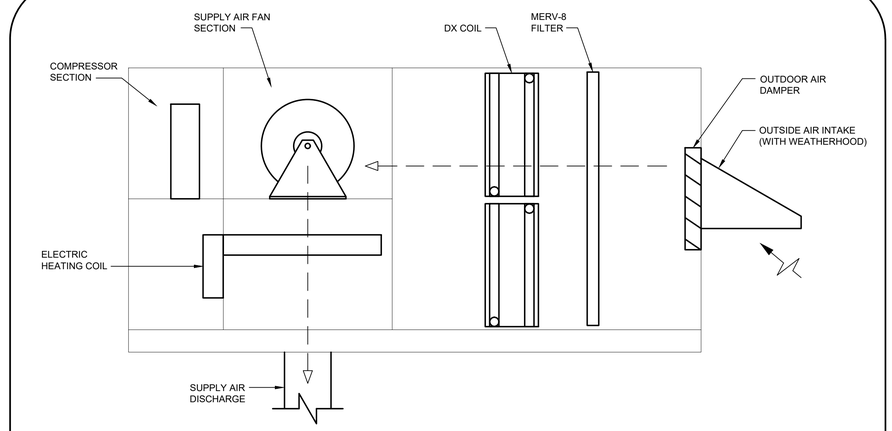
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

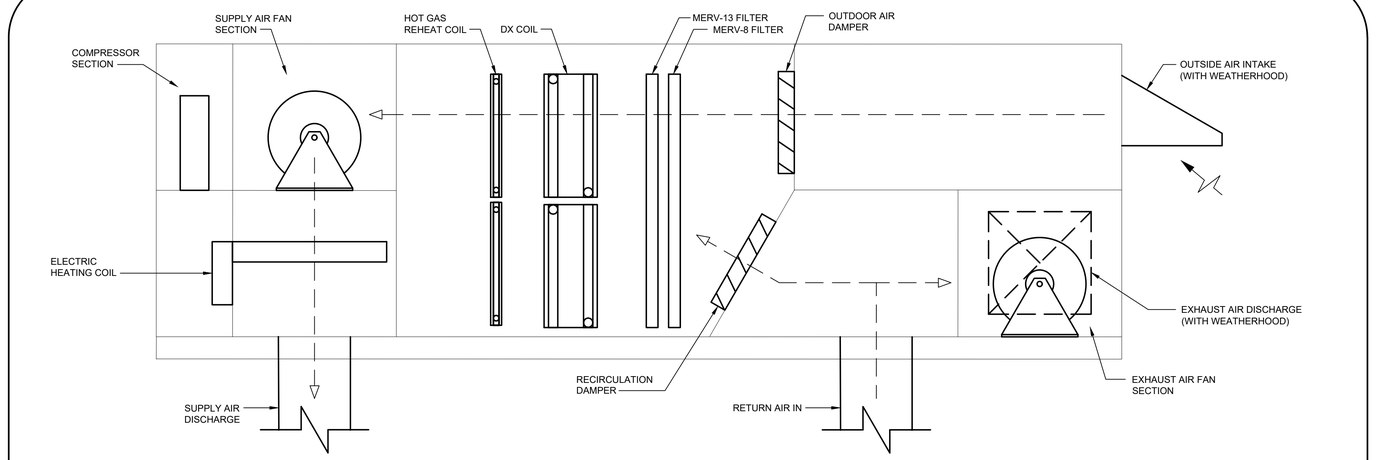
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1 DOAS-1 COMPONENT DIAGRAM
NO SCALE



2 MAU-1 COMPONENT DIAGRAM
NO SCALE



3 RTU-1 COMPONENT DIAGRAM
NO SCALE

DWG. FILENAME

SEAL	PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT		
STATE OF MARYLAND — ERIK RUDOLPH SHEARER — No. 18528 — PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 18528 . EXPIRATION DATE: 07/27/26.						UNE	79NE12 78NE12 78NE11	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER		
			CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:		
DATE:	ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: DSB	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS–BUILT PER RECORD PRINT	DWN BY: DSB	REVIEWED BY:										
	BY: DATE:	CHKD BY: ERS	DATE REVIEWED:										

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MECHANICAL COMPONENT DIAGRAMS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M304	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	141 OF 195
	DRAWING NUMBER
	2025-0358
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

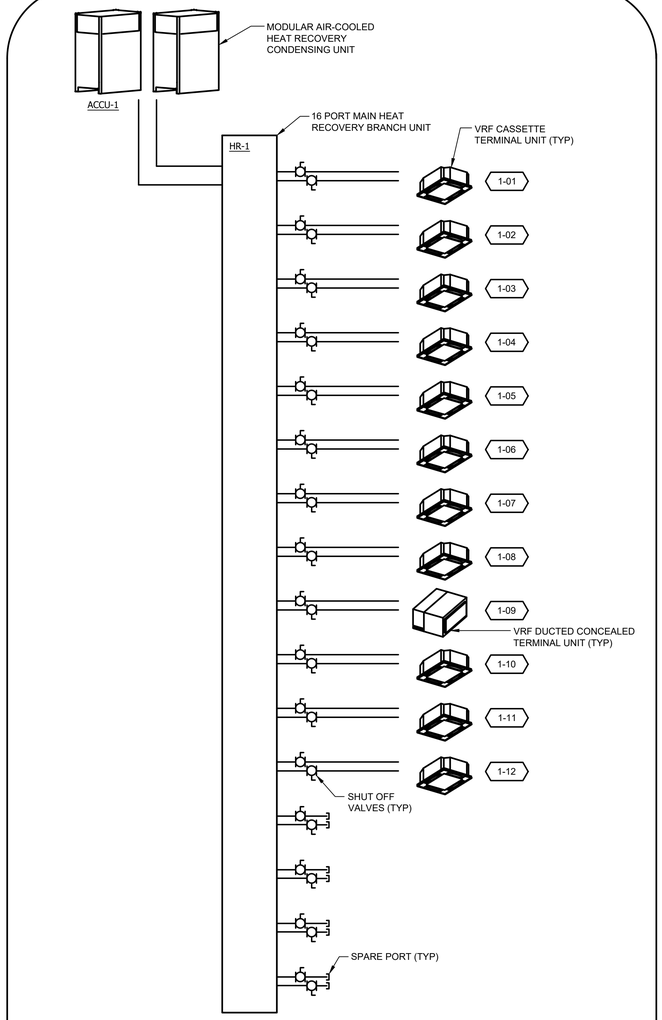
BID DOCUMENTS 05/15/2025
BKM# 23127.01

Plotted By: Erik Shearer | 1/21/2025 1:16 PM
ARL: G:\23127.01\Drawings\Acad\M\M304 - MECH COMPONENT DIAGRAMS

SPACE OUTDOOR VENTILATION AIR SCHEDULE

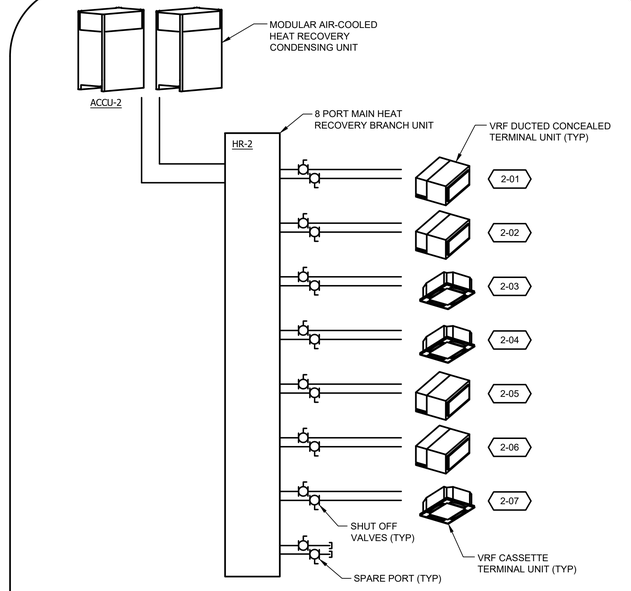
ASSOCIATED AIR HANDLING UNIT	ROOM NUMBER / NAME	NET AREA (SQ FT)	# PEOPLE	REQUIRED VENTILATION RATES PER PERSON / SQ FT (1)	OUTSIDE AIR REQUIRED (CFM)	MIN OUTSIDE AIR PROVIDED (CFM)	COMPLIES?
RTU-1 (35% OUTSIDE AIR)	MULTIPURPOSE ROOM 123	4,200	125	7.5 / 0.06	1,250	1,750	YES
DOAS-1 (100% OUTSIDE AIR)	CORRIDOR 101	1,068	11	0 / 0.06	64	75	YES
	CLASSROOM 102A	567	9	10 / 0.12	158	165	YES
	CLASSROOM 102B	482	8	10 / 0.12	138	150	YES
	CORRIDOR 103	814	9	0 / 0.06	49	600	YES
	ART CLASSROOM 104	912	24	10 / 0.12	349	400	YES
	STORAGE 104A	71	0	0 / 0.06	5	50	YES
	YOGA / DANCE 105	946	15	20 / 0.06	357	360	YES
	STORAGE 105A	80	0	0 / 0.06	5	50	YES
	LOUNGE 106	704	12	7.5 / 0.06	132	150	YES
	FITNESS 107	1,436	15	20 / 0.06	386	400	YES
	FLEX OFFICE 112	255	1	5 / 0.06	20	20	YES
	OFFICE 114	229	1	5 / 0.06	19	20	YES
	WORKROOM 116	147	2	5 / 0.06	18	20	YES
	OFFICE 117	255	2	5 / 0.06	25	30	YES
	OFFICE 118	215	2	5 / 0.06	23	30	YES
	OFFICE 119	203	2	5 / 0.06	22	30	YES
	STORAGE 120	60	0	0 / 0.06	4	25	YES
	MP STORAGE 124	214	0	0 / 0.06	13	20	YES
	KITCHEN 128	463	8	7.5 / 0.12	116	125	YES
	STORAGE 129	101	2	5 / 0.12	22	75	YES

NOTES:
1. VENTILATION RATES PER PERSON / SQ FT PER THE INTERNATIONAL MECHANICAL CODE / ASHRAE STANDARD 62.1.



1 ACCU-1 VRF SYSTEM PIPING SCHEMATIC
NO SCALE

NOTES:
1. PIPING SCHEMATIC IS BASED ON MITSUBISHI 2-PIPE VRF SYSTEM. PIPING SCHEME MAY DIFFER BETWEEN MANUFACTURERS.
2. SIZE ALL REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS.
3. SYSTEM SHALL HAVE A MINIMUM OF TWO (2) SPARE PORTS THAT CAN EACH ACCOMMODATE A NOMINAL 12 MBH TERMINAL UNIT.



2 ACCU-2 VRF SYSTEM PIPING SCHEMATIC
NO SCALE

NOTES:
1. PIPING SCHEMATIC IS BASED ON MITSUBISHI 2-PIPE VRF SYSTEM. PIPING SCHEME MAY DIFFER BETWEEN MANUFACTURERS.
2. SIZE ALL REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS.
3. SYSTEM SHALL HAVE A MINIMUM OF ONE (1) SPARE PORT THAT CAN ACCOMMODATE A NOMINAL 12 MBH TERMINAL UNIT.

ARL: G:\23127.01\Drawings\Acad\MM305 - VRF PIPING SCHEMATICS

Plotted By: Erik Shearer | 1/22/2025 2:22 PM

DWG. FILENAME

SEAL: STATE OF MARYLAND — ERIK RUSSELL SHEARER — No. 18528 — PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12	PLAN SCALE:	
	78NE12		
	78NE11	PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY:	DSB
DWN BY:	DSB
CHKD BY:	ERS

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BY:
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

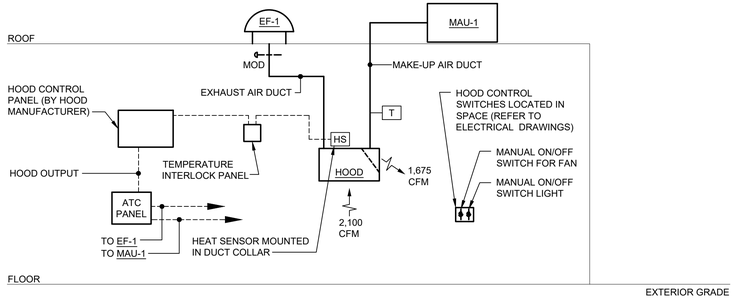
JACKSONVILLE SENIOR CENTER
VRF PIPING SCHEMATICS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M305	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	142 OF 195
	DRAWING NUMBER
	2025-0359
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01



KITCHEN HOOD CONTROL SEQUENCE

1. SHOULD HOOD DUCT-MOUNTED HEAT SENSOR REACH SET POINT (ADJUSTABLE), SENSOR SHALL SEND SIGNAL TO HOOD CONTROL PANEL TO ENERGIZE HOOD SYSTEM. HOOD CONTROL PANEL SHALL SIGNAL ATC PANEL TO ENERGIZE EF-1 AND MAU-1, REFER TO BELOW FOR SEQUENCE OF OPERATION.

2. WHEN LOCAL FAN SWITCH IN SPACE IS IN THE "ON" POSITION:

   2.1 EXHAUST FAN EF-1 AND MAKE-UP AIR UNIT MAU-1 SHALL ENERGIZE, AFTER ASSOCIATED MOTOR OPERATED DAMPERS MODULATE OPEN. EXHAUST AIR FAN SHALL BE PROVEN BY CURRENT SENSING RELAY. SHOULD EXHAUST AIR FAN OR MAKE-UP AIR UNIT FAN NOT PROOF, AN ALARM SHALL BE SENT TO THE EMCS.

   2.2 MAU-1 SHALL ENERGIZE ASSOCIATED DX HEAT PUMP COIL SYSTEM / ELECTRIC RESISTANCE HEAT AS NECESSARY TO MAINTAIN LEAVING AIR SET POINT OF 70 DEGREES F (ADJUSTABLE) AS SENSED BY TEMPERATURE SENSOR.

3. WHEN LOCAL FAN SWITCH IN SPACE IS IN THE "OFF" POSITION, EF-1 AND MAU-1 SHALL BE DE-ENERGIZED, UNLESS OVERRIDDEN BY HEAT SENSOR (SEE 1.0 ABOVE).

4. EF-1 AND MAU-1 MOTOR OPERATED DAMPERS SHALL BE INTERLOCKED WITH THE EMCS TO INCLUDE START/STOP, STATUS, AND ALARM.

5. PROVIDE 120V/1 PHASE RELAYS AS REQUIRED FOR START/STOP CONTROL.

6. KITCHEN HOOD CONTROL SYSTEM, INCLUDING PANEL, SENSORS, RELAYS, AND INTERCONNECTING DEVICES SHALL BE BY KITCHEN HOOD MANUFACTURER.

SPLIT SYSTEM A/C UNIT CONTROL

1. MANUFACTURER'S MICROPROCESSOR CONTROLLER SHALL CONTROL THE A/C UNIT TO MAINTAIN 72°F (ADJUSTABLE).

EMCS INTERFACE REQUIREMENTS

CONTROL OF MECHANICAL EQUIPMENT AND COMPONENTS SHALL BE INTEGRATED WITH THE COUNTY'S CENTRAL ENERGY MANAGEMENT CONTROL CENTER (EMCS). STANDALONE BUILDING CONTROLLERS SHALL HAVE BACNET COMPATIBLE OUTPUT VIA WEB-BASED COMMUNICATION THROUGH THE BUILDING'S IT SYSTEM SUCH THAT ALL ALARMS AND SETPOINTS ARE MONITORED THROUGH A REMOTE NETWORK OPERATOR WORKSTATION. MECHANICAL EQUIPMENT SHALL OPERATE UNDER ITS INDIVIDUAL PACKAGED CONTROLS UNLESS OTHERWISE INDICATED. ADDITIONAL POINTS REQUIRED TO BE TIED INTO THE COUNTY'S EMCS ARE INDICATED BELOW:

GENERAL (ALL HVAC AND PLUMBING EQUIPMENT)
1) RUN STATUS
2) ALARM STATUS

VRF SYSTEMS
1) PROVIDE ALL POINTS IN THE GENERAL CATEGORY
2) START/STOP
3) CURRENT SETPOINT
4) SETPOINT ADJUSTMENT
5) CURRENT TEMPERATURE

ALL HVAC AND PLUMBING EQUIPMENT
1) START/STOP

FOR ADDITIONAL CONTROL, MONITOR, AND ALARM POINT REQUIREMENTS, REFER TO THE FOLLOWING CONTROL SEQUENCE:

1) AIR HANDLING UNIT CONTROL SEQUENCE
2) DOAS UNIT CONTROL SEQUENCE
3) KITCHEN HOOD CONTROL SEQUENCE

SPACE CONTROL

A. GENERAL:

1. OCCUPIED/UNOCCUPIED MODE SHALL BE DETERMINED BY THE EMCS.

2. EACH THERMOSTAT/SENSOR SHALL HAVE INDIVIDUAL OCCUPIED AND UNOCCUPIED HEATING AND COOLING SETPOINTS. EACH THERMOSTAT/SENSOR SHALL BE CAPABLE OF INDIVIDUAL TIME OF DAY SCHEDULING. ALL SETPOINTS AND SATUS (ON/OFF) SHALL BE MONITORED THROUGH THE EMCS. DEFAULT VALUES SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED.

HEATING - OCCUPIED:	70°F (ADJUSTABLE)
HEATING - UNOCCUPIED:	60°F (ADJUSTABLE)
COOLING - OCCUPIED:	75°F (ADJUSTABLE)
COOLING - UNOCCUPIED:	84°F (ADJUSTABLE)

B. TERMINAL UNIT CONTROL (VRF SYSTEM):

1. THE UNIT SHALL MODULATE THE ELECTRONIC EXPANSION VALVE TO MAINTAIN SPACE SETPOINT.

2. WHERE MULTIPLE UNITS SERVE THE SAME SPACE, A SINGLE THERMOSTAT SHALL CONTROL ALL UNITS SERVING SPACE (TYPICAL). THERMOSTAT LOCATIONS ARE INDICATED ON PIPING FLOOR PLANS.

CABINET HEATER / UNIT HEATER WITH ELECTRIC HEAT CONTROL

1. UNIT THERMOSTATS SHALL BE DESIGNED TO OPERATE ON A 2°F DIFFERENTIAL OVER A RANGE OF 55°F-85°F AND SHALL BE OF THE START/STOP TYPE.

2. CABINET HEATER / UNIT HEATER: ELECTRIC COIL SHALL ENERGIZE AND FAN MOTOR SHALL CYCLE TO MAINTAIN THERMOSTAT SETTING (65°F). THERMOSTAT SHALL BE MOUNTED IN RETURN AIR.

ATC GENERAL NOTES

1. THE ATC WORK SHALL INCLUDE PROVISIONS FOR A COMPLETE AND OPERABLE CONTROL SYSTEM, INCLUDING ALL DEVICES REQUIRED TO ACHIEVE THE SEQUENCES AND FUNCTIONS INDICATED THROUGHOUT THE CONTRACT DOCUMENTS.

2. THE ATC CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL WIRING AND CONDUIT FROM POWER SOURCE, INCLUDING TERMINATION TO ALL REQUIRED ATC RELATED POWER CONNECTIONS INCLUDING, BUT NOT LIMITED TO, DDC CONTROLLERS, SENSORS, VALVE AND DAMPER ACTUATORS, AIR FLOW MONITORS, ATC PANELS, ETC. THE ATC CONTRACTOR SHALL OBTAIN A SEPARATE ELECTRICAL PERMIT AS REQUIRED BY THE LOCAL AUTHORITY. THE ATC CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL POWER REQUIREMENTS NECESSARY FOR A COMPLETE INSTALLATION FROM THE POWER SOURCE TO ALL ATC RELATED CONNECTIONS.

3. THE ATC CONTRACTOR SHALL COORDINATE AND VERIFY THAT ALL CONTROLLERS, DEVICES AND ACCESSORIES ARE PROVIDED AS REQUIRED TO ACCOMPLISH ALL CONTROL FUNCTIONS AND SEQUENCES INDICATED IN THE CONTRACT DOCUMENTS. WHERE CONTROL RELATED DEVICES ARE NOT PROVIDED BY AN EQUIPMENT MANUFACTURER, IT SHALL BE THE RESPONSIBILITY OF THE ATC CONTRACTOR TO PROVIDE THE CONTROL DEVICES REQUIRED TO ACCOMPLISH THE FUNCTIONS AND SEQUENCES INDICATED.

4. THE ATC CONTRACTOR SHALL PROVIDE ALL CONTROLLERS, DEVICES, POINTS, ETC REQUIRED TO ACCOMPLISH THE CONTROL SEQUENCES AND FUNCTIONS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. POINTS SHALL BE TIED INTO THE CENTRAL ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) AS INDICATED. IN ADDITION, THE ATC CONTRACTOR SHALL PROVIDE ALL CONTROLLERS, DEVICES, POINTS, ETC. REQUIRED TO CONTROL, OPERATE AND MONITOR ALL EQUIPMENT (IE. AIR HANDLING UNITS, FANS, VALVES, DAMPERS, FLOW MEASURING DEVICES, SENSORS, ETC.) INDICATED THROUGHOUT THE CONTRACT DOCUMENTS.

5. EACH AIR DISTRIBUTION SYSTEM SHALL BE PROVIDED WITH AT LEAST ONE (1) MANUALLY OPERABLE MEANS FOR STOPPING THE OPERATION OF THE SUPPLY, RETURN AND EXHAUST FANS IN AN EMERGENCY. THE MEANS OF MANUAL OPERATION SHALL BE LOCATED AT A LOCATION APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ). TYPICALLY, PROVIDE A MANUAL FIRE DEPARTMENT HVAC SHUTDOWN VIA A KNOX KEY SWITCH FOR ALL SUPPLY, RETURN AND EXHAUST FANS AS REQUIRED BY THE LOCAL AHJ. SWITCH (LABELED "HVAC SHUTDOWN") SHALL BE LOCATED ADJACENT TO THE FIRE ALARM ANNUNCIATOR PANEL AND SHUTDOWN CONTROL SHALL BE HARD-WIRED IN CONDUIT THROUGH THE ATC SYSTEM. KEY SHALL BE LOCATED IN A KNOX BOX LOCATED AT A LOCATION APPROVED BY THE AHJ. ALL WORK SHALL COMPLY WITH NFPA 90A AND THE NATIONAL ELECTRICAL CODE. COORDINATE EXACT REQUIREMENTS WITH AHJ.

6. PROVIDE EQUIPMENT STATUS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT. EQUIPMENT FAILURES SHALL BE ALARMED AT THE EMCS. PROVIDE END SWITCHES FOR ALL MOTOR OPERATED DAMPERS. END SWITCHES SHALL BE INTERFACED WITH THE EMCS.

7. PROVIDE CURRENT SENSING RELAYS FOR ALL MECHANICAL EQUIPMENT AS REQUIRED TO PROVIDE EQUIPMENT STATUS. EQUIPMENT STATUS SHALL BE INDICATED AS THE EMCS.

8. PROVIDE TEMPERATURE SENSORS TIED INTO THE EMCS AT THE INLET AND OUTLET OF ALL HEAT EXCHANGE EQUIPMENT (AIR HANDLING UNITS, ETC.)

9. ALL SAFETIES FOR AIR HANDLING EQUIPMENT (FREEZESTATS, SMOKE DETECTORS, PRESSURE SWITCHES, ETC.) SHALL BE HARDWIRED TO THE FAN STARTER.

10. ALL AIR FLOW MONITORS (AFM) SENSORS SHALL GENERATE AN ALARM CONDITION AT THE EMCS WHENEVER CONDITIONS EXCEED SETPOINT (ADJUSTABLE) BY 10% OR MORE.

11. ALL AIR HANDLING EQUIPMENT (I.E. AIR HANDLING UNITS, DOAS UNITS, VRF TERMINAL UNITS, ETC.) WITH A COOLING COIL THAT PRODUCES CONDENSATE SHALL BE EQUIPPED WITH A CONDENSATE WATER-LEVEL DETECTION DEVICE CONFORMING TO UL 508 WHICH SHALL SHUT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY DRAIN IS BLOCKED. THE DEVICE SHALL BE INSTALLED IN THE EQUIPMENT-SUPPLIED DRAIN PAN AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN. LEAK DETECTION FOR ALL UNITS SHALL ALSO ALARM AT THE EMCS.

15. PROVIDE ONE (1) CO2 SENSOR IN EACH CLASSROOM AND MULTIPUROSE ROOM. MOUNTED BETWEEN THREE AND SIX FEET ABOVE THE FLOOR. CO2 SENSORS SHALL BE MONITORED AT THE EMCS. UPON DETECTION OF CO2 CONCENTRATION ABOVE SETPOINT (800 PPM, ADJUSTABLE), AN ALARM SHALL BE SENT TO THE EMCS.

16. PROVIDE THERMOSTAT/SENSOR GUARDS IN ALL AREAS SUBJECT TO POTENTIAL DAMAGE. THERMOSTAT/SENSOR GUARDS SHALL BE CLEAR, IMPACT RESISTANT LOCKABLE PLASTIC OR APPROVED EQUIVALENT. THERMOSTAT/SENSOR GUARDS SHALL BE PROVIDED IN THE FOLLOWING AREAS AND OTHER SIMILAR TYPE SPACES SUBJECT TO POTENTIAL DAMAGE: MULTI-PURPOSE ROOMS, ACTIVITY ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.

17. PROVIDE A TEMPERATURE SENSOR FOR ALL ELEVATOR MACHINE IT ROOMS, MECHANICAL ROOMS, AND ELECTRICAL ROOMS. MONITOR TEMPERATURE AT THE EMCS.

18. ALL SETPOINTS INDICATED ON THE SEQUENCES SHALL BE ADJUSTABLE.

19. ALL ATC WIRING SHALL BE INSTALLED IN CONDUIT.

20. REFER TO SPECIFICATIONS FOR FUNCTIONAL PERFORMANCE TEST VERIFICATION REQUIREMENTS.

ARL: G:\23127.01\Drawings\Acad\MM401 - ATC

Plotted By: Erik Sheaner 1/21/2026 1:16 PM

DWG. FILENAME

SEAL: STATE OF MARYLAND — ERIK R. SHEANER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.
AS–BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: DSB
DWN BY: DSB
CHKD BY: ERS

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

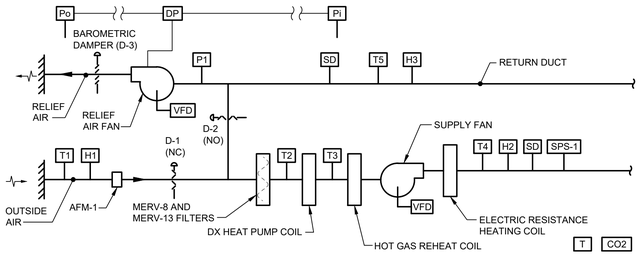
JACKSONVILLE SENIOR CENTER
MECHANICAL CONTROL SEQUENCES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M401	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	143 OF 195
	DRAWING NUMBER
	2025-0360
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01



AIR HANDLING UNIT CONTROL (RTU-1)

1. GENERAL

1.1 SUPPLY FAN SHALL OPERATE CONTINUOUSLY IN THE OCCUPIED MODE. H-O-A SWITCH SHALL BE KEPT IN "AUTO" POSITION. IN "OFF" POSITION, D-1 SHALL BE FULLY CLOSED, D-2 SHALL BE FULLY OPEN, AND RELIEF AIR FAN SHALL BE DE-ENERGIZED. WHEN SUPPLY FAN IS DE-ENERGIZED, D-1 SHALL BE FULLY CLOSED, AND RELIEF AIR FAN SHALL ALSO BE DE-ENERGIZED.

1.2 H-O-A SWITCH SHALL BE KEPT IN "AUTO" POSITION. IN "OFF" POSITION, D-1 AND D-2 SHALL BE FULLY CLOSED AND FANS SHALL DE-ENERGIZE.

1.3 OCCUPIED-UNOCCUPIED MODE SHALL BE AS DETERMINED BY THE ENERGY MANAGEMENT CONTROL SYSTEM (EMCS).

1.4 PROVIDE SEPARATE, INDEPENDENT LINKAGE CONTROL FOR EACH MOTOR OPERATED DAMPER (D-1 AND D-2).

1.5 ATC CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AND ACCESSORIES NOT PROVIDED BY THE UNIT MANUFACTURER.

2. TEMPERATURE CONTROL (SPACE TEMPERATURE SETPOINTS PER THE "SPACE CONTROL" SEQUENCE ON M501)

2.1 OCCUPIED:

A. WHEN THE OUTSIDE AIR ENTHALPY IS ABOVE THE RETURN AIR ENTHALPY, D-1 & D-2 SHALL OPERATE AS FOLLOWS:

1) D-1 (OUTSIDE AIR) SHALL MODULATE TO MINIMUM OUTSIDE AIR POSITION IN RESPONSE TO AIRFLOW MONITOR, AFM-1, AS WELL AS TO DEMAND CONTROLLED VENTILATION. SEE AIR FLOW CONTROL BELOW.

2) D-2 (RETURN AIR) SHALL BE INTERLOCKED SUCH THAT D-2 POSITION (% OPEN) = [100% MINUS D-1 POSITION (% OPEN)], MODULATEING PROPORTIONALLY TO ENSURE PROPER TOTAL AIRFLOW TO SUPPLY FAN.

3) RELIEF AIR FAN SHALL BE DE-ENERGIZED WHEN THE OUTSIDE AIR DAMPER IS AT MINIMUM OUTSIDE AIR POSITION (OR LESS). WHEN THE UNIT SWITCHES TO ECONOMIZER MODE AND THE OUTSIDE AIR IS ABOVE MINIMUM AIRFLOW, THEN RELIEF AIR FAN SHALL ENERGIZE AND MODULATE AIRFLOW TO 'TRACK' WITH THE OA DAMPER. ALSO, RELIEF AIR FAN SHALL ENERGIZE WHENEVER BUILDING PRESSURE (PI VERSUS PO) EXCEEDS 0.05" W.C. AND MODULATE AIRFLOW TO MEET PRESSURE SETPOINT.

B. WHEN THE OUTSIDE AIR ENTHALPY IS LESS THEN THE RETURN AIR ENTHALPY, AND ALSO WHENEVER THE OUTSIDE AIR IS LESS THAN THE 55 DEGREES F, DAMPERS D-1 AND D-2 AND RELIEF AIR FAN SHALL MODULATE TO MAXIMIZE ATMOSPHERIC (FREE) COOLING AND MAINTAIN A DISCHARGE AIR TEMPERATURE EQUAL TO THE SUPPLY AIR TEMPERATURE SETPOINT (55°F, ADJUSTABLE). THE RELIEF AIR FAN SHALL MODULATE TO MAINTAIN A POSITIVE BUILDING PRESSURE OF 0.05" W.C. (ADJUSTABLE) AS SENSED BY INDOOR AND OUTDOOR PRESSURE SENSORS (PI AND PO). IF P-1 DOES NOT SENSE A POSITIVE PRESSURE OF 0.01" WC. OR GREATER, THE RELIEF AIR FAN SHALL BE DE-ENERGIZED.

C. COOLING - DX COOLING COIL SYSTEM SHALL ENERGIZE AND MODULATE AS REQUIRED TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT (ADJUSTABLE) AS SENSED BY T4 AND AS INDICATED IN THE SCHEDULE BELOW. ON A FALL IN SPACE TEMPERATURE, SUPPLY FAN VFD SHALL MODULATE TOWARD MINIMUM FLOW SETPOINT (20%, ADJUSTABLE) TO MAINTAIN SPACE TEMPERATURE SETPOINT AS SENSED BY SPACE TEMPERATURE SENSOR. ON A CONTINUED FALL IN TEMPERATURE, HOT GAS REHEAT COIL SHALL ENERGIZE TO MAINTAIN SPACE TEMPERATURE SETPOINT.

SUPPLY AIR RESET SCHEDULE	
OA TEMP (°F)	SUPPLY AIR TEMP (°F)
ABOVE 65	55
55 - 65	*
BELOW 55	55

*ALL VALUES IN TABLE SHALL BE ADJUSTABLE AT THE EMCS;
SUPPLY AIR TEMPERATURE SHALL BE LINEAR BETWEEN
'ABOVE 65' SETPOINT AND 'BELOW 55' SETPOINT

D. HEATING - ON A CONTINUED FALL IN SPACE TEMPERATURE, WITH SUPPLY FAN AT MINIMUM FLOW, DX SYSTEM SHALL SWITCH TO HEAT PUMP HEATING OPERATION AND MODULATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT AS SENSED BY SPACE TEMPERATURE SENSOR. ON A CONTINUED FALL IN SPACE TEMPERATURE, ELECTRIC RESISTANCE HEAT SHALL ENERGIZE IN STAGES TO MAINTAIN SPACE TEMPERATURE SETPOINT. SUPPLY AIR TEMPERATURE SHALL NOT EXCEED 95°F AS SENSED BY T4 AT ANY TIME.

E. ON A RISE IN SPACE TEMPERATURE, THE OPPOSITE SHALL OCCUR.

2.2 UNOCCUPIED (HEATING): SPACE THERMOSTAT/SENSOR SHALL CYCLE SUPPLY FAN AND MODULATE DX HEATING SYSTEM AS NECESSARY TO MAINTAIN NIGHT SETBACK TEMPERATURE. D-1 SHALL BE FULLY CLOSED AND D-2 FULLY OPEN.

2.3 UNOCCUPIED (COOLING): SPACE THERMOSTAT/SENSOR SHALL CYCLE SUPPLY FAN AND ENERGIZE DX COOLING SYSTEM AS NECESSARY TO MAINTAIN NIGHT SETBACK TEMPERATURE. D-1 SHALL BE FULLY CLOSED AND D-2 FULLY OPEN.

2.4 MORNING WARM-UP: WHEN SYSTEM IS FIRST INDEXED TO OCCUPIED AND SPACE THERMOSTATS/SENSOR IS BELOW OCCUPIED HEATING SETPOINT, DAMPER D-1 SHALL REMAIN CLOSED, D-2 SHALL REMAIN OPEN, AND SUPPLY FAN SHALL CYCLE 'ON' AND OPERATE WITH DX HEATING SYSTEM OPERATIONAL UNTIL RETURN AIR, AS SENSED BY T5, REACHES 70°F (ADJUSTABLE). AT THIS TIME, SYSTEM SHALL RETURN TO THE OCCUPIED MODE, SEE 2.1.

2.5 MORNING COOL-DOWN: WHEN SYSTEM IS FIRST INDEXED TO OCCUPIED AND SPACE THERMOSTATS/SENSOR IS ABOVE OCCUPIED COOLING SETPOINT, DAMPER D-1 SHALL REMAIN CLOSED, AND D-2 SHALL REMAIN OPEN, UNLESS ECONOMIZER CONDITIONS EXIST (SEE 2.1.B). SUPPLY FAN SHALL CYCLE 'ON' AND OPERATE WITH DX COOLING SYSTEM OPERATIONAL UNTIL RETURN AIR, AS SENSED BY T5, REACHES 75°F (ADJUSTABLE). AT THIS TIME, SYSTEM SHALL RETURN TO OCCUPIED MODE CONTROL, SEE 2.1.

3. DEHUMIDIFICATION CONTROL

3.1. WHEN RELATIVE HUMIDITY, AS SENSED BY H3, RISES ABOVE 55% RH (ADJUSTABLE):

A. THE DX COOLING SYSTEM SHALL ENERGIZE AND MODULATE TO MAINTAIN 52°F AS SENSED BY T-3, AND HOT GAS REHEAT SHALL ENERGIZE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. IF SPACE SETPOINT CAN NOT BE MET WITH HOT GAS REHEAT COIL FULLY ENERGIZED, ELECTRIC RESISTANCE HEAT SHALL ENERGIZE IN STAGES TO MAINTAIN SPACE TEMPERATURE SETPOINT.

B. WHEN THE RELATIVE HUMIDITY, AS SENSED BY H3, FALLS BELOW 45% (ADJUSTABLE), RETURN TO TEMPERATURE CONTROL AS INDICATED ABOVE.

4. AIR FLOW / FAN CONTROL

4.1. OCCUPIED: OUTSIDE AIR DAMPER, D-1, SHALL MODULATE IN RESPONSE TO SPACE CO2 SENSOR TO MAINTAIN SPACE CO2 SETPOINT OF 1000 PPM (ADJUSTABLE) WITH A 100 PPM DEAD BAND. AIR FLOW MONITOR, AFM-1, SHALL LIMIT OUTSIDE AIR CFM TO MINIMUM AND MAXIMUM VALUES LISTED BELOW. AFM-1 CONTROL LIMITS SHALL BE OVERRIDDEN DURING ECONOMIZER MODE (ATMOSPHERIC COOLING).

	RTU-1 (OA CFM)
MINIMUM	750
MAXIMUM	1,500

*ALL VALUES IN TABLE SHALL BE ADJUSTABLE

4.1. UNOCCUPIED: DURING NIGHT SETBACK OR MORNING OPERATION, FAN SHALL BE ENERGIZED AS PER 2.2, 2.3, 2.4 AND 2.5 ABOVE.

5. MISCELLANEOUS

5.1 SMOKE DETECTORS, SD, LOCATED IN THE SUPPLY AND RETURN AIR SHALL DE-ENERGIZE FANS SHOULD PRODUCTS OF COMBUSTION BE SENSED. ALARM AT THE EMCS.

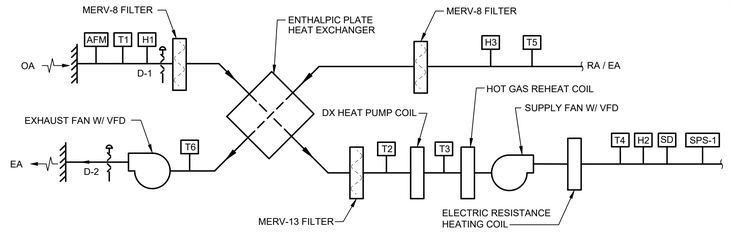
5.2 THE EMCS SHALL MONITOR FILTER LOADING ACROSS EACH FILTER BANK. ALARM AT THE EMCS.

5.3 ON FAILURE OF SUPPLY FAN, EXHAUST FAN SHALL BE DE-ENERGIZED AND DAMPERS D-1 AND D-2 SHALL CLOSE. ALARM AT EMCS.

5.4 ON FAILURE OF EXHAUST FAN, D-2 SHALL REMAIN OPEN FOR PRESSURE RELIEF. ALARM AT EMCS.

5.5 HIGH LIMIT STATIC PRESSURE SENSOR, SPS-1. SHALL DE-ENERGIZE FANS WHEN STATIC PRESSURE REACHES 4.0" (ADJUSTABLE). ALARM AT THE EMCS.

5.6 UNIT CONTROLLER SHALL HAVE BACNET COMPATIBLE OUTPUT VIA WEB-BASED COMMUNICATION THROUGH THE BUILDING'S IT SYSTEM SUCH THAT ALL ALARMS AND SETPOINTS CAN BE MONITORED REMOTELY.



DOAS UNIT CONTROL (DOAS-1)

1. GENERAL

1.1 SUPPLY AIR FAN AND EXHAUST AIR FAN OPERATION SHALL BE INTERLOCKED. SUPPLY AND EXHAUST FANS SHALL OPERATE CONTINUOUSLY AT CONSTANT SPEED IN THE OCCUPIED MODE. D-1 AND D-2 SHALL BE FULLY OPEN IN OCCUPIED MODE. SUPPLY AIR FAN AND EXHAUST AIR FAN SHALL BE DE-ENERGIZED IN UNOCCUPIED MODE AND DAMPERS D-1 AND D-2 SHALL BE FULLY CLOSED.

1.2 H-O-A SWITCH SHALL BE KEPT IN "AUTO" POSITION. IN "OFF" POSITION, D-1 AND D-2 SHALL BE FULLY CLOSED AND FANS SHALL DE-ENERGIZE.

1.3 OCCUPIED-UNOCCUPIED MODE SHALL BE AS DETERMINED BY THE ENERGY MANAGEMENT CONTROL SYSTEM (EMCS).

1.4 PROVIDE SEPARATE, INDEPENDENT LINKAGE CONTROL FOR EACH M.O.D. (D-1 & D-2).

1.5 ATC CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AND ACCESSORIES NOT PROVIDED BY THE UNIT MANUFACTURER.

2. TEMPERATURE CONTROL

2.1 OCCUPIED:

A. THE SUPPLY AIR TEMPERATURE, AS SENSED BY T4, SHALL BE MAINTAINED AT SETPOINT BY MODULATING DX COOLING / HEATING SYSTEM AS REQUIRED. IF SUPPLY AIR TEMPERATURE CONTINUES TO FALL BELOW SETPOINT, ELECTRIC RESISTANCE HEAT SHALL ENERGIZE IN STAGES TO MAINTAIN SETPOINT. THE SUPPLY AIR TEMPERATURE SHALL BE PER THE FOLLOWING SCHEDULE:

SUPPLY AIR RESET SCHEDULE	
OA TEMP (°F)	SUPPLY AIR TEMP (°F)
ABOVE 75	60
70 - 75	*
BELOW 70	70

*ALL VALUES IN TABLE SHALL BE ADJUSTABLE AT THE EMCS;
SUPPLY AIR TEMPERATURE SHALL BE LINEAR BETWEEN
'ABOVE 75' SETPOINT AND 'BELOW 70' SETPOINT

B. DEHUMIDIFICATION:

1) WHEN RELATIVE HUMIDITY, AS SENSED BY H3, RISES ABOVE 55% RH (ADJUSTABLE), THE DX COOLING SYSTEM SHALL ENERGIZE AND MODULATE TO MAINTAIN 52°F AS SENSED BY T-3, AND HOT GAS REHEAT SHALL ENERGIZE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. IF SPACE SETPOINT CAN NOT BE MET WITH HOT GAS REHEAT COIL FULLY ENERGIZED, ELECTRIC RESISTANCE HEAT SHALL ENERGIZE IN STAGES TO MAINTAIN SPACE TEMPERATURE SETPOINT.

2) WHEN THE RELATIVE HUMIDITY, AS SENSED BY H3, FALLS BELOW 45% (ADJUSTABLE), RETURN TO TEMPERATURE CONTROL AS INDICATED ABOVE.

2.2 UNOCCUPIED:

A. THE SUPPLY FAN AND EXHAUST FAN SHALL BE DE-ENERGIZED AND DAMPERS D-1 AND D-2 SHALL CLOSE.

3. AIR FLOW CONTROL

3.1 SUPPLY FAN SHALL OPERATE AT CONSTANT SPEED AS CONTROLLED BY THE VFD. AIR FLOW MONITOR, AFM-1, LOCATED AT THE OUTSIDE AIR INTAKE SHALL MODULATE D-1 TO MAINTAIN VENTILATION AIR QUANTITY AS INDICATED ON AIR HANDLING UNIT SCHEDULE.

4. MISCELLANEOUS

4.1 SMOKE DETECTORS, SD, LOCATED IN THE SUPPLY AIR SHALL DE-ENERGIZE FANS SHOULD PRODUCTS OF COMBUSTION BE SENSED. ALARM AT THE EMCS.

4.2 THE EMCS SHALL MONITOR FILTER LOADING ACROSS EACH FILTER BANK. ALARM AT THE EMCS.

4.3 ON FAILURE OF SUPPLY FAN, EXHAUST FAN SHALL BE DE-ENERGIZED AND DAMPERS D-1 AND D-2 SHALL CLOSE. ALARM AT EMCS.

4.4 ON FAILURE OF EXHAUST FAN, D-2 SHALL REMAIN OPEN FOR PRESSURE RELIEF. ALARM AT EMCS.

4.5 HIGH LIMIT STATIC PRESSURE SENSOR, SPS-1. SHALL DE-ENERGIZE FANS WHEN STATIC PRESSURE REACHES 4.0" (ADJUSTABLE). ALARM AT THE EMCS.

4.6 WHEN THE AIR TEMPERATURE, AS SENSED BY T4, FALLS BELOW 40°F, THE SUPPLY FAN SHALL DE-ENERGIZE, DAMPER D-1 SHALL CLOSE AND AN ALARM SIGNAL SHALL BE INDICATED AT THE EMCS.

4.7 STANDALONE BUILDING CONTROLLER SHALL HAVE BACNET COMPATIBLE OUTPUT VIA WEB-BASED COMMUNICATION THROUGH THE BUILDING'S IT SYSTEM SUCH THAT ALL ALARMS AND SETPOINTS ARE MONITORED THROUGH A NETWORK OPERATOR WORKSTATION.

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DWG FILENAME

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: DSB
DWN BY: DSB
CHKD BY: ERS

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET: UNE
POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MECHANICAL CONTROL SEQUENCES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M402	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	144 OF 195
	DRAWING NUMBER
	2025-0361
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

PACKAGED ROOFTOP AIR HANDLING UNIT HEAT PUMP SCHEDULE

DESIG	LOCATION	AREA SERVED	SUPPLY FAN DATA					EXHAUST FAN DATA				MIN OA CFM	COOLING DATA							PRIMARY DX HEATING (52°F to 70°F RISE)			SECONDARY ELEC HEATING (70°F to 95°F RISE)		ELECTRICAL DATA				OPERATING WEIGHT (LBS)	BASIS OF DESIGN		REMARKS
			CFM	TSP (IN)	ESP (IN)	HP	FAN RPM	CFM	ESP (IN)	HP	FAN RPM		TYPE	TOTAL MBH	SENS MBH	MIN IEER	EAT		LAT		TYPE	MBH	MIN COP	TYPE	KW	VOLTS	PHASE	MCA	MOCP		MANUFACTURER	MODEL	
																	DB (°F)	WB (°F)	DB (°F)	WB (°F)												
RTU-1	ROOF	MULTI-PURPOSE ROOM	5,000	3.56	1.50	7.5	1611	1,500 / 4,500	0.75	1.5	690 / 1065	1,500	DX	232.8	154.7	13.5	81.0	67.7	52.8	52.7	HEAT PUMP	99.5	3.4	SCR	41.0	208	3	246.4	250	4,422 (+/- 5%)	VALENT	VX-212-17.5A-1-J1	-

NOTES:
1. UNIT SHALL BE PROVIDED WITH BOTTOM SUPPLY AND RETURN DUCT CONNECTIONS.
2. INSTALL UNIT WITH MANUFACTURER PROVIDED 18" ROOF CURB. PROVIDE TOP OF CURB PERFECTLY FLAT AND LEVEL.
3. PROVIDE VFD'S FOR SUPPLY AND EXHAUST FANS.
4. UNIT SHALL BE COMPLETE WITH MERV 8 AND MERV 13 FILTRATION. SUPPLY FAN SHALL BE SIZED TO ACCOMMODATE A DIRTY FILTER PRESSURE DROP OF 1.0" SP.
5. UNIT SHALL BE PROVIDED WITH FACTORY-SUPPLIED DISCONNECT SWITCH.
6. PROVIDE (2) HERMETIC SCROLL-TYPE COMPRESSORS FOR PART LOAD PERFORMANCE - (1) WITH VARIABLE SPEED INVERTER AND (1) SINGLE-STAGE.
7. PROVIDE HOT-GAS REHEAT COIL SELECTED FOR NO GREATER THAN 50% OF TOTAL DX COIL CAPACITY.
8. COOLING CAPACITIES SHALL BE AT 95°F / 78°F AMBIENT AIR.
9. HEATING CAPACITIES SHALL BE AT 0°F AMBIENT AIR.
10. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
11. UNIT SHALL UTILIZE R-454B REFRIGERANT.

DEDICATED OUTSIDE AIR UNIT WITH ENERGY RECOVERY SCHEDULE

DESIG	LOCATION	SUPPLY FAN							EXHAUST FAN						ENERGY RECOVERY PLATE HEAT EXCHANGER												DX COOLING COIL					PRIMARY DX HEATING (45°F to 70°F RISE)			SECONDARY ELEC HEATING (45°F to 75°F RISE)		ELECTRICAL				OPERATING WEIGHT (LBS)	BASIS OF DESIGN		REMARKS
		CFM	OA CFM	TSP (IN)	ESP (IN)	MOTOR		RPM	CFM	TSP (IN)	ESP (IN)	MOTOR		RPM	SUPPLY SIDE (SUMMER)				EXHAUST SIDE (SUMMER)				SUPPLY SIDE (WINTER)		EXHAUST SIDE (WINTER)		MAX ADP (IN)	MIN EFF (%) SUMMER / WINTER	MBH TOTAL	MBH SENS	MIN IEER	EAT		LAT		TYPE	MBH	MIN COP	TYPE	KW	MCA	MOP	VOLTS	PHASE		MANUFACTURER	MODEL	
						HP	VOLTS / PHASE					HP	VOLTS / PHASE		EAT		LAT		EAT		LAT		EAT	LAT	EAT	LAT						DB (°F)	WB (°F)	DB (°F)	WB (°F)											
															DB (°F)	WB (°F)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	DB (°F)	WB (°F)	DB (°F)	DB (°F)	DB (°F)	DB (°F)																				
DOAS-1	ROOF	2,725	2,725	3.70	1.75	3	208 / 3	1964	2,400	2.97	1.75	3	208 / 3	1805	95.0	78.0	82.8	71.1	75.0	62.5	89.0	71.9	0.0	43.0	70.0	21.6	1.0	50%	183.2	99.2	13.5	82.8	71.1	50.0	49.9	HEAT PUMP	81.1	3.4	SCR	28.7	222.1	225	208	3	5,109 (+/- 5%)	VALENT	VXC-212-PL-15A-1-A1	-

NOTES:
1. UNIT SHALL BE PROVIDED WITH BOTTOM SUPPLY AND EXHAUST DUCT CONNECTIONS.
2. INSTALL UNIT WITH MANUFACTURER PROVIDED 18" ROOF CURB. PROVIDE TOP OF CURB PERFECTLY FLAT AND LEVEL.
3. PROVIDE VFD'S FOR SUPPLY AND EXHAUST FANS.
4. UNIT SHALL BE COMPLETE WITH MERV 8 AND MERVE 13 FILTRATION ON SYSTEM SUPPLY. SUPPLY FAN SHALL BE SIZED TO ACCOMMODATE A DIRTY FILTER PRESSURE DROP OF 1.0" SP.
5. UNIT SHALL BE COMPLETE WITH MERV 8 FILTRATION ON SYSTEM EXHAUST. EXHAUST FAN SHALL BE SIZED TO ACCOMMODATE A DIRTY FILTER PRESSURE DROP OF 0.5" SP.
6. UNIT SHALL BE PROVIDED WITH FACTORY-SUPPLIED DISCONNECT SWITCH.
6. PROVIDE (2) HERMETIC SCROLL-TYPE COMPRESSORS FOR PART LOAD PERFORMANCE - (1) WITH VARIABLE SPEED INVERTER AND (1) SINGLE-STAGE.
7. PROVIDE HOT-GAS REHEAT COIL SELECTED FOR A TEMPERATURE RISE FROM 52°F TO 70°F.
8. COOLING CAPACITIES SHALL BE AT 95°F / 78°F AMBIENT AIR.
9. HEATING CAPACITIES SHALL BE AT 0°F AMBIENT AIR.
10. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
11. UNIT SHALL UTILIZE R-454B REFRIGERANT.

MAKE-UP AIR UNIT SCHEDULE

DESIG	AREA SERVED	SUPPLY FAN DATA					MIN OA CFM	COOLING DATA							PRIMARY DX HEATING (0°F to 18°F RISE)			SECONDARY HEATING (18°F to 72°F RISE)		ELECTRICAL DATA				OPER WT (LBS)	BASIS OF DESIGN		REMARKS
		CFM	TSP (IN)	ESP (IN)	HP	FAN RPM		TYPE	TOTAL MBH	SENS MBH	MIN IEER	EAT		LAT		TYPE	INPUT MBH	MIN COP	TYPE	INPUT kW	VOLTS	PHASE	MCA	MOCP		MANUFACTURER	MODEL	
												DB (°F)	WB (°F)	DB (°F)	WB (°F)												
MAU-1	KITCHEN	1,675	1.68	1.50	1	1302	1,675	DX	89.3	55.6	13.5	95.0	78.0	65.0	64.5	HEAT PUMP	33.9	3.4	SCR	28.7	208	3	124.5	125	2,339 (+/- 5%)	VALENT	VX-112-5C-1-E1	-

NOTES:
1. UNIT SHALL BE PROVIDED WITH BOTTOM SUPPLY DUCT CONNECTION.
2. INSTALL UNIT WITH MANUFACTURER PROVIDED 18" ROOF CURB. PROVIDE TOP OF CURB PERFECTLY FLAT AND LEVEL.
3. PROVIDE VFD FOR SUPPLY FAN.
4. UNIT SHALL BE COMPLETE WITH MERV 8 FILTRATION. FAN SHALL BE SIZED TO ACCOMMODATE A DIRTY FILTER PRESSURE DROP OF 0.5" SP.
5. UNIT SHALL BE PROVIDED WITH FACTORY-SUPPLIED DISCONNECT SWITCH.
6. PROVIDE (2) HERMETIC SCROLL-TYPE COMPRESSORS FOR PART LOAD PERFORMANCE - (1) WITH VARIABLE SPEED INVERTER AND (1) SINGLE-STAGE.
7. PROVIDE HOT-GAS REHEAT COIL SELECTED FOR NO GREATER THAN 50% OF TOTAL DX COIL CAPACITY.
8. COOLING CAPACITIES SHALL BE AT 95°F / 78°F AMBIENT AIR.
9. HEATING CAPACITIES SHALL BE AT 0°F AMBIENT AIR.
10. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
11. UNIT SHALL UTILIZE R-454B REFRIGERANT.

MISCELLANEOUS ELECTRIC HEATING UNIT SCHEDULE

DESIG	DESCRIPTION	MOUNTING	KW	BTU / HR	VOLTS	PHASE	EAT (°F)	BASIS OF DESIGN	
								MANUFACTURER	MODEL
UH-1	ELECTRIC UNIT HEATER	SUSPENDED	10.0	34,120	208	3	65.0	QMARK	MUH SERIES
UH-2	ELECTRIC UNIT HEATER	SUSPENDED	5.0	17,060	208	3	65.0	QMARK	MUH SERIES
UH-3	ELECTRIC UNIT HEATER	SUSPENDED	5.0	17,060	208	3	65.0	QMARK	MUH SERIES
CH-1	ELECTRIC CABINET HEATER	WALL RECESSED	5.0	17,060	208	3	65.0	QMARK	VFK SERIES
CH-2	ELECTRIC CABINET HEATER	WALL RECESSED	5.0	17,060	208	3	65.0	QMARK	VFK SERIES

NOTES:
1. PROVIDE WITH FACTORY SUPPLIED-DISCONNECT SWITCH.

DUCT CONSTRUCTION SCHEDULE

SYSTEM	DUCT PRESSURE CLASS (IN WC)	DUCT SEAL CLASS	MIN TEST PRESSURE	MAX ALLOWABLE LEAKAGE	NOTES
LOW PRESSURE SUPPLY	2	A	2"	1%	1, 2 & 3
LOW PRESSURE RETURN	2	A	2"	1%	1, 2 & 3
LOW PRESSURE OUTSIDE AIR	2	A	2"	1%	1, 2 & 3
LOW PRESSURE EXHAUST	2	A	2"	1%	1, 2 & 3
AIR TRANSFER	2	A	N/A	N/A	1 & 2
MAKE-UP AIR / VENTILATION AIR	2	A	2"	1%	1, 2 & 3
KITCHEN EXHAUST	2	A	MIN 125% OF PRESSURE CLASS	1%	1 & 2

NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL DUCTWORK REQUIREMENTS AS WELL AS DETAILED PRODUCT AND INSTALLATION REQUIREMENTS. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
2. SUCCESSFUL COMPLETION OF DUCT PRESSURE TESTING SHALL OCCUR PRIOR TO THE INSTALLATION OF INSULATION. VERIFICATION OF SUCCESSFUL PRESSURE TEST RESULTS SHALL BE SUBMITTED TO THE A/E AND INCLUDED IN THE PROJECT O & M MANUALS.
3. TEST PRESSURE SHALL BE 125% OF SYSTEM OPERATING PRESSURE, BUT NOT LESS THAN THE TEST PRESSURE INDICATED.

DUCT INSULATION SCHEDULE

SYSTEM	TYPE	MIN THICKNESS	MIN R-VALUE @ 75°F	JACKET	NOTES
SUPPLY AIR - CONCEALED (50°F - 60°F)	FIBERGLASS - DUCT WRAP	2"	6.7	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
SUPPLY AIR - EXPOSED (50°F - 60°F)	FIBERGLASS - RIGID BOARD	2"	6.7	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
SUPPLY AIR IN CEILING SPACE BELOW ROOF (50°F - 60°F)	FIBERGLASS - DUCT WRAP	2"	8.0	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
RETURN AIR IN CEILING SPACE BELOW ROOF (ABOVE 70°F)	FIBERGLASS - DUCT WRAP	2"	6.7	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
OUTDOOR AIR - CONCEALED	FIBERGLASS - DUCT WRAP	2"	6.7	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
OUTDOOR AIR - EXPOSED	FIBERGLASS - RIGID BOARD	2"	6.7	REINFORCED ALUMINUM FACING WITH VAPOR RETARDED	1, 2, 3 & 4
KITCHEN EXHAUST	NFPA AND UL COMPLIANT (ZERO CLEARANCE)	MIN 2 LAYERS, 1 1/2" THICK EACH	-	-	1 & 5

NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS AS WELL AS DETAILED PRODUCT AND INSTALLATION REQUIREMENTS. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
2. CONCEALED DUCTWORK SHALL BE CONSIDERED DUCTWORK ABOVE CEILINGS OR IN MECHANICAL SHAFTS.
3. WHERE DUCTWORK IS SPECIFIED TO BE LINED OR DOUBLE WALL, DO NOT PROVIDE EXTERNAL INSULATION. TYPICALLY, DOUBLE WALL OR LINED DUCTWORK SHALL BE PROVIDED FOR THE FOLLOWING APPLICATIONS, UNLESS OTHERWISE NOTED: DUCTWORK WITHIN 25 FEET OF AIR HANDLING UNIT CONNECTION, EXPOSED DUCTWORK IN OCCUPIED AREAS.
4. PROVIDE INSULATION THICKNESS AS REQUIRED TO ACHIEVE R-VALUE SPECIFIED IN SCHEDULE.
5. PROVIDE INSULATION THICKNESS AS REQUIRED TO ACHIEVE TWO HOUR RATING (CONFIRM RATING REQUIREMENTS).

SEAL

STATE OF MARYLAND — ERIK CHARLES SHEARER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DSB
DWN BY: DSB
CHKD BY: ERS

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MECHANICAL SCHEDULES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
M501	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	145 OF 195
	DRAWING NUMBER
	2025-0362
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG. RELEVANE

BID DOCUMENTS 05/15/2025
BKM# 23127.01

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FAN SCHEDULE

DESIG	LOCATION	AREA SERVED	CFM	ESP (IN)	MOTOR					RPM	WHEEL TYPE	DRIVE TYPE	METHOD OF CONTROL	BASIS OF DESIGN	
					HP	MAX BHP	VOLTS	PHASE	VFD					MANUFACTURER	MODEL
EF-1	ROOF	KITCHEN EXHAUST	2,100	1.5	1	0.75	120	1	N	1629	BI	DIRECT	KITCHEN CONTROL SYSTEM / ATC	GREENHECK	CUE-140-VG

NOTES:
1. PROVIDE WITH FACTORY-SUPPLIED DISCONNECT.
2. INSTALL UNIT WITH MANUFACTURER PROVIDED 18" ROOF CURB. PROVIDE TOP OF CURB PERFECTLY FLAT AND LEVEL.
3. FAN CONSTRUCTION AND INSTALLATION SHALL BE NFPA 96 COMPLIANT.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

DESIGNATION		AREA SERVED	NOMINAL CFM	UNIT TYPE	COOLING				ELECTRICAL CHARACTERISTICS			BASIS OF DESIGN		CONDENSING UNIT				
INDOOR UNIT	CONDENSING UNIT				TOTAL MBH	SENS MBH	EAT DW/WB (°F)	LAT DW/WB (°F)	MCA	VOLTS	PHASE	MANUFACTURER	MODEL	MCA	MOCP	VOLTS	PHASE	MODEL
AC-1	CU-1	I/T ROOM	350	WALL-MOUNT	24	18	72	55	1.0	208	1	MITSUBISHI	PKA-A24	11.0	15	208	1	PUY-A24

NOTES:
1. OUTDOOR UNIT POWERS INDOOR UNIT.
2. PROVIDE INDOOR EQUIPMENT WITH FACTORY-SUPPLIED DISCONNECT AND DEDICATED 'MINI-LIME' CONDENSATE PUMP.
3. PROVIDE OUTDOOR EQUIPMENT WITH FACTORY-SUPPLIED DISCONNECT.
4. PROVIDE REFRIGERANT PIPING AS RECOMMENDED BY MANUFACTURER. QUANTITY AND SIZES OF REFRIGERANT PIPING SHALL BE AS RECOMMENDED BY MANUFACTURER.
5. UNITS SHALL BE CAPABLE OF MAINTAINING 72°F / 50% RH.
6. UNITS SHALL BE SELECTED AT AMBIENT CONDITIONS OF 95°F DB / 78°F WB IN SUMMER AND 0°F IN WINTER.
7. PROVIDE WITH WIND BAFFLE AND ALL NECESSARY ACCESSORIES FOR LOW AMBIENT OPERATION.
8. UNITS SHALL UTILIZE R-454B REFRIGERANT.

AIR DEVICE SCHEDULE

DESIG	DUTY	SIZE (IN)	CFM RANGE	INLET / NECK SIZE (IN)	MAX SP	MAX NC	DESCRIPTION	BASIS OF DESIGN	
								MANUFACTURER	MODEL
A	SUPPLY / VENTILATION	24 x 24 MODULE	0 - 120	6"Ø	0.10"	20	(18 x 18 NECK W/ FACTORY MOUNTED SQUARE - ROUND TRANSITION)	TITUS	TDC
A	SUPPLY / VENTILATION	24 x 24 MODULE	121 - 210	8"Ø	0.10"	20	(18 x 18 NECK W/ FACTORY MOUNTED SQUARE - ROUND TRANSITION)	TITUS	TDC
A	SUPPLY / VENTILATION	24 x 24 MODULE	211 - 325	10"Ø	0.10"	25	(18 x 18 NECK W/ FACTORY MOUNTED SQUARE - ROUND TRANSITION)	TITUS	TDC
B	SUPPLY	4 FT LONG	0 - 140	6"Ø	0.10"	30	LINEAR SLOT, 3/4" SLOT (2 SLOTS)	TITUS	ML-38 W/ MPI-38 INSULATED PLENUM
B	SUPPLY	4 FT LONG	141 - 165	8"Ø	0.10"	30	LINEAR SLOT, 3/4" SLOT (2 SLOTS)	TITUS	ML-38 W/ MPI-38 INSULATED PLENUM
C	SUPPLY	18 x 8	0 - 175	18 x 6	0.06"	20	SPIRAL DUCT-MOUNT SINGLE DEFLECTION REGISTER - 3/4" SPACING	TITUS	S301FL
C	SUPPLY	24 x 10	175 - 300	24 x 10	0.06"	20	SPIRAL DUCT-MOUNT SINGLE DEFLECTION REGISTER - 3/4" SPACING	TITUS	S301FL
D	SUPPLY	24 x 6	0 - 400	24 x 4	0.10"	30	LINEAR BAR DIFFUSER 1/4" BARS, 1/2" SPACING, 15°F DEFLECTION	TITUS	CT-541
E	EXHAUST / RETURN	24 x 24 MODULE	0 - 120	6 x 6	0.10"	20	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	121 - 220	8 x 8	0.10"	20	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	221 - 340	10 x 10	0.10"	20	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	341 - 500	12 x 12	0.10"	20	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	501 - 750	15 x 15	0.10"	25	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	751 - 1000	18 x 18	0.10"	25	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
E	EXHAUST / RETURN	24 x 24 MODULE	1001 - 1600	22 x 22	0.10"	25	PERFORATED FACE - REGISTER (FLUSH)	TITUS	PAR
F	EXHAUST	10 x 10	0 - 300	10 x 10	0.06"	20	FIXED LOUVER 35° DEFLECTION 3/4" SPACING - REGISTER	TITUS	350FL
F	EXHAUST	12 x 12	301 - 450	12 x 12	0.06"	20	FIXED LOUVER 35° DEFLECTION 3/4" SPACING - REGISTER	TITUS	350FL
G	RETURN	24 x 12	0 - 900	24 x 12	0.06"	20	FIXED LOUVER 35° DEFLECTION 3/4" SPACING - REGISTER	TITUS	350FL
H	RETURN	40 x 44	0 - 5000	40 x 44	0.10"	25	DIAMOND PATTERN CUSTOM GRILLE	PACIFIC REGISTER	LASER CUT STEEL / CUSTOM SIZE

NOTE:
1. MANUFACTURERS MAY PROVIDE ALUMINUM OR STEEL AIR DEVICES UNLESS OTHERWISE INDICATED. ALL AIR DEVICES IN HIGH HUMIDITY AREAS (ie. TOILET ROOMS, KITCHENS, ETC.) SHALL BE ALUMINUM.

VRF TERMINAL UNIT SCHEDULE

AREA SERVED	DESIGNATION		CFM	UNIT TYPE	COOLING				HEATING MBH	ELECTRICAL				BASIS OF DESIGN	
	INDOOR UNIT	ASSOCIATED CONDENSING UNIT			TOTAL MBH	SENS MBH	EAT DB (°F)	EAT WB (°F)		MCA	MOCP	VOLTS	PHASE	MANUFACTURER	MODEL
102A	1-01	ACCU-1	325	CASSETTE	12.0	8.0	75.0	62.5	13.5	0.3	15	208	1	MITSUBISHI	PLFY-P12
	1-02		325	CASSETTE	12.0	8.0	75.0	62.5	13.5	0.3	15	208	1	MITSUBISHI	PLFY-P12
102B	1-03		300	CASSETTE	8.0	6.2	75.0	62.5	9.0	0.3	15	208	1	MITSUBISHI	PLFY-P08
104	1-04		325	CASSETTE	15.0	9.9	75.0	62.5	17.0	0.4	15	208	1	MITSUBISHI	PLFY-P15
	1-05		325	CASSETTE	15.0	9.9	75.0	62.5	17.0	0.4	15	208	1	MITSUBISHI	PLFY-P15
105	1-06		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
	1-07		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
	1-08		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
106	1-09		900	DUCTED	30.0	21.5	75.0	62.5	34.0	2.9	15	208	1	MITSUBISHI	PEFY-P30
107	1-10		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
	1-11		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
	1-12		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18
100	2-01	ACCU-2	750	DUCTED	24.0	19.0	75.0	62.5	27.0	2.9	15	208	1	MITSUBISHI	PEFY-P24
101	2-02		550	DUCTED	18.0	13.6	75.0	62.5	20.0	2.9	15	208	1	MITSUBISHI	PEFY-P18
110	2-03		275	CASSETTE	5.0	4.4	75.0	62.5	5.6	0.2	15	208	1	MITSUBISHI	PLFY-P05
111	2-04		275	CASSETTE	5.0	4.4	75.0	62.5	5.6	0.2	15	208	1	MITSUBISHI	PLFY-P05
112, 114, 116, 124	2-05		450	DUCTED	15.0	10.9	75.0	62.5	17.0	2.9	15	208	1	MITSUBISHI	PEFY-P15
117, 118, 119	2-06		750	DUCTED	24.0	19.0	75.0	62.5	27.0	2.9	15	208	1	MITSUBISHI	PEFY-P24
128	2-07		325	CASSETTE	18.0	11.9	75.0	62.5	20.0	0.5	15	208	1	MITSUBISHI	PLFY-P18

NOTES:
1. PROVIDE REFRIGERANT PIPING (INCLUDING DOUBLE SUCTION RISES WITH TRAPS IF REQUIRED) AS RECOMMENDED BY MANUFACTURER. QUANTITY AND SIZES OF REFRIGERANT PIPING SHALL BE AS RECOMMENDED BY MANUFACTURER.
2. UNITS SHALL BE CAPABLE OF MAINTAINING 72°F / 50% RH.
3. PROVIDE INTEGRAL CONDENSATE PUMP FOR ALL UNITS.
4. UNITS SHALL UTILIZE R-454B REFRIGERANT.
5. PROVIDE WITH FACTORY SUPPLIED-DISCONNECT SWITCH.

VRF AIR-COOLED CONDENSING UNIT SCHEDULE

DESIG	LOCATION	COOLING		HEATING		REFRIGERANT	MIN IEER	ELECTICAL				MAX OPERATING WEIGHT (LBS)	BASIS OF DESIGN	
		OA TEMP	TOTAL MBH	OA TEMP	MBH			MCA	MOCP	VOLTS	PHASE		MANUFACTURER	MODEL
ACCU-1	ROOF	95	192	0	215	R-454B	-	70	110	208	3	887	MITSUBISHI	PURY-EP192
ACCU-2	ROOF	95	96	0	108	R-454B	-	45	70	208	3	613	MITSUBISHI	PURY-EP96

NOTES:
1. CAPACITIES INDICATED ARE NET CAPACITIES AFTER PIPE LENGTH DE-RATINGS.
2. SHOULD A VRF MANUFACTURER OTHER THAN THE BASIS OF DESIGN BE PROVIDED, CONTRACTOR SHALL COORDINATE ELECTRICAL REVISIONS AS REQUIRED AT NO COST TO THE OWNER.
3. UNITS SHALL BE SELECTED AT AMBIENT CONDITIONS OF 95°F DB / 78°F WB IN SUMMER AND 0°F IN WINTER.
4. PROVIDE SYSTEM LEVEL 3 REFRIGERANT LEAK DETECTION AND ALARM AT VRF CONTROL PANEL AND EMCS.
5. UNITS SHALL UTILIZE R-454B REFRIGERANT.
6. PROVIDE WITH FACTORY SUPPLIED-DISCONNECT SWITCH.

VRF HEAT RECOVERY UNIT SCHEDULE

DESIG	ASSOCIATED INDOOR UNITS	ASSOCIATED CONDENSING UNIT	# OF PORTS	ELECTRICAL				BASIS OF DESIGN	
				MCA	MOCP	VOLTS	PHASE	MANUFACTURER	MODEL
HR-1	1-01 THRU 1-12	ACCU-1	16	1.6	20	208	1	MITSUBISHI	CMB-P1016NU-JA1-BV
HR-2	2-01 THRU 2-07	ACCU-2	8	0.8	20	208	1	MITSUBISHI	CMB-P108NU-JA1-BV

NOTES:
1. EACH SYSTEM SHALL HAVE A MINIMUM OF ONE SPARE PORT ON ONE OF THE HEAT RECOVERY UNITS ASSOCIATED WITH THAT SYSTEM CAPABLE OF ADDING AN 18 MBH (COOLING CAPACITY) TERMINAL UNIT.
2. PROVIDE WITH INTEGRAL ISOLATION VALVES.
3. REFER TO VRF PIPING SCHEMATICS FOR FURTHER INFORMATION REGARDING PORTS ON HEAT RECOVERY UNITS.
4. PROVIDE CONDENSATE DRAINS FROM HEAT RECOVERY UNITS AS REQUIRED BY MANUFACTURER. EXTEND CONDENSATE PIPING AND CONNECT NEAREST STORM WATER PIPING.
5. EACH PORT SHALL BE LABELED WITH TERMINAL UNIT NUMBER AND ASSOCIATED ROOM NUMBER IT SERVES.
6. UNITS SHALL UTILIZE R-454B REFRIGERANT.
7. PROVIDE WITH FACTORY SUPPLIED-DISCONNECT SWITCH.

ARL: G:\23127.01\Drawings\Acad\MM502 - SCHEDULES

Plotted By: Erik Shearer | 1/22/2025 2:11 PM

DWG. FILENAME

SEAL: STATE OF MARYLAND — ERIK CHARLES SHEARER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 18528 EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DSB | DWN BY: DSB | CHKD BY: ERS

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE: PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
MECHANICAL SCHEDULES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	M502
CONTRACT NUMBER	25010 PO0
JOB ORDER NUMBER	PO 10-701-1861
	146 OF 195
DRAWING NUMBER	2025-0363
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

PLUMBING GENERAL NOTES

1. THE PLUMBING CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE SCOPE AND THE GENERAL ARRANGEMENT OF THE SYSTEMS.
2. MAKE ALL WATER CONNECTIONS TO FIXTURES ABOVE FLOOR.
3. PROVIDE VACUUM BREAKERS ON ALL HOSE CONNECTION TYPE FITTING HOSE BIBBS, WALL HYDRANTS, ETC.
4. PROVIDE PIPE SLEEVE EXTENDING FULL WIDTH OF FOOTINGS FOR PIPING THROUGH FOOTINGS, FOUNDATION WALLS, ETC.
5. LIMIT SANITARY AND WASTE PIPING DEAD END TO 12 INCHES FROM MAIN OR MAIN BRANCH.
6. PROVIDE A MINIMUM OF 24 INCHES CLEARANCE FOR RODDING OF CLEANOUTS.
7. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER DISCIPLINES PRIOR TO CONSTRUCTION.
8. ACCESS SHALL BE PROVIDED FOR ALL CONCEALED VALVES, CLEANOUTS ETC. LOCATED AT/IN CEILINGS, WALLS OR FLOORS.
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES, FLOOR DRAINS AND OTHER EQUIPMENT.
10. ALL FLOOR DRAINS AND SHOWER DRAINS CONNECTED TO THE SANITARY SHALL BE PROVIDED WITH A PRIMED TRAP UNLESS OTHERWISE NOTED.
11. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL FLUSH TYPE CLEANOUTS WITH WALLS, EQUIPMENT, DUCTWORK, PIPE, STRUCTURAL MEMBERS, ETC.
12. ALL SPECIFICATIONS AND DRAWINGS (I.E., ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL) ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION.
13. ALL VERTICAL SANITARY SEWER AND STORM WATER PIPING WHICH TURN 90 DEGREES AFTER PASSING THROUGH A FLOOR SHALL BE INSTALLED AS TIGHT AS POSSIBLE TO THE UNDERSIDE OF THE STRUCTURE. ALL VOID OPENINGS AROUND PIPE SHALL BE FIRE STOPPED AS REQUIRED AND APPROVED BY LOCAL CODES.
14. COORDINATE ALL PIPING TO BE INSTALLED WITH OTHER TRADES (I.E., MECHANICAL, FIRE PROTECTION AND ELECTRICAL) TO ASSURE THAT ALL PIPING SYSTEMS ARE INSTALLED ABOVE FINISHED CEILING OR IN A CONCEALED SPACE. ALL CEILING HEIGHTS INDICATED ON ARCHITECTURAL AND/OR INTERIOR DESIGN DRAWINGS AND MINIMUM CLEARANCES REQUIRED BY LOCAL CODES SHALL BE MAINTAINED THROUGHOUT THE BUILDING.
15. ALL CUTTING, DRILLING AND PATCHING OF WALLS, FLOORS OR STRUCTURAL MEMBERS FOR THE INSTALLATION OF THE PLUMBING SYSTEMS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN ANY WAY WITHOUT THE STRUCTURAL ENGINEER'S REVIEW AND APPROVAL.
16. PROVIDE ONE (1) TRAP PRIMER VALVE FOR EACH FLOOR DRAIN WITHOUT A CONSTANT SOURCE OF WATER SUPPLY TO MAINTAIN TRAP SEAL. PRIMER VALVE SHALL BE LOCATED IN AN ACCESSIBLE AREA AND CONNECTED TO THE NEAREST 3/4" COLD WATER LINE SERVING A FIXTURE.
17. BACKFLOW PREVENTER ASSEMBLY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION (NOT TO EXCEED 48" ABOVE THE FINISHED FLOOR). PIPE RELIEF OUTLET DISCHARGE TO NEAREST FLOOR DRAIN.
18. ALL PIPING, SYSTEMS, VALVES AND EQUIPMENT SHALL BE PROPERLY IDENTIFIED.
19. ALL HORIZONTAL DRAINAGE PIPING AND TRAPS FROM AN OPEN SIGHT DRAIN OR RECEPTORS RECEIVING A/C UNIT CONDENSATE SHALL BE INSULATED.
20. COLD WATER, HOT WATER AND HOT WATER RECIRCULATION MAINS AND BRANCHES SHALL BE INSULATED IN ACCORDANCE WITH THE SPECIFICATIONS.
21. ALL PIPING VALVES, AND ACCESSORIES SERVING EQUIPMENT SHALL BE INSTALLED TO ALLOW SERVICING OR REMOVAL WITHOUT DISCONNECTING ALL PIPING ACCESSORIES.
22. ALL VALVES SHALL HAVE THEIR NORMAL (IN OPERATION) POSITION IDENTIFIED, SUCH AS "NORMALLY OPEN" OR "NORMALLY CLOSED".
23. EXPANSION LOOPS AND ANCHORS SHALL BE PROVIDED ON ALL PIPING SYSTEMS WHICH CROSS BUILDING EXPANSION JOINTS AND ALL HORIZONTAL AND VERTICAL PIPING LENGTHS EXCEEDING 100 FEET OR EACH PORTION THEREOF.
24. ALL ROUGH-IN AND FINAL CONNECTION FOR EQUIPMENT SPECIFIED BY OTHERS SHALL BE PROVIDED.
25. ALL EXPOSED PIPING AND FITTINGS SHALL BE CHROME PLATED.
26. WATER SERVICES FOR MOVABLE APPLIANCES SHALL BE CONNECTED WITH FLEXIBLE TUBING AND QUICK DISCONNECT COUPLINGS PROVIDED BY EQUIPMENT SUPPLIER.
27. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE INSTALLED AT THE HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN 6" ABOVE FLOOR.
28. VERIFY EQUIPMENT LOCATIONS WITH OTHER CONSULTANTS OR SUPPLIERS BEFORE PROCEEDING WITH ANY ROUGH-IN.
29. ALL PIPING SHALL BE INSTALLED ABOVE CEILING OR IN A CONCEALED SPACE UNLESS NOTED OR INDICATED OTHERWISE.
30. CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH SANITARY OR STORM WATER STACK.
31. ALL EQUIPMENT CONNECTED TO THE DOMESTIC WATER SYSTEM SHALL BE PROVIDED WITH BACKFLOW PROTECTION IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS.
32. THOUGH SOME PIPING OFFSETS ARE INDICATED, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL OFFSETS THAT ARE REQUIRED. THE CONTRACTOR SHALL FULLY COORDINATE THE PLUMBING WORK WITH THE WORK OF ALL OTHER TRADES TO PROVIDE COMPLETE SYSTEM WITHOUT INTERFERENCES.
33. ALL PLUMBING VENTS SHALL BE A MINIMUM OF FIFTEEN FEET (15') FROM OUTSIDE AIR INTAKES.
34. AIR CONDITIONING (A/C) CONDENSATE PIPING SHALL BE EXTENDED FROM ALL A/C CONDENSATE SOURCE EQUIPMENT (AHU'S, VRF UNITS, SPLIT SYSTEM A/C UNITS, ETC.) AND CONNECTED TO THE NEAREST STORM WATER PIPE/DRAIN LOCATION. SIZE PER MANUFACTURER RECOMMENDATIONS.
35. SEE SPECIFICATIONS FOR SEISMIC REQUIREMENTS, WHERE APPLICABLE.
36. WHERE PIPING IS EXPOSED BENEATH ALL SINKS AND LAVATORIES, THE CONTRACTOR SHALL PROVIDE MANUFACTURED PREMOLDED INSULATED PIPE FOR EXPOSED HOT WATER, COLD WATER AND SANITARY DRAIN PIPING; LAVGUARD OR EQUIVALENT.

KITCHEN GENERAL NOTES

1. THE PLUMBING IN THIS ESTABLISHMENT SHALL COMPLY WITH THE REQUIREMENTS OF STATE AND COUNTY CODES AND SHALL BE INSPECTED BY THE BALTIMORE COUNTY PLUMBING DEPARTMENT.
2. THE CONTRACTOR SHALL REFER TO FOOD SERVICE EQUIPMENT SHOP DRAWINGS FOR EXACT EQUIPMENT LAYOUT AND ROUGH-IN DIMENSIONS.
3. FOOD SERVICE EQUIPMENT SHALL BE FURNISHED AND INSTALLED UNDER SEPARATE DIVISION. UNDER THIS DIVISION PROVIDE ROUGH-IN AND FINAL CONNECTIONS, REFER TO KITCHEN EQUIPMENT SCHEDULE.
4. PIPE SIZES INDICATED IN THE KITCHEN EQUIPMENT SCHEDULE TO THE FOOD SERVICE EQUIPMENT ARE ROUGH-IN SIZES REQUIRED. NO REDUCTION IN PIPE SIZES SHALL BE MADE EXCEPT AS REQUIRED AT THE FINAL CONNECTION.
5. ALL FLOOR SINKS SHALL BE INSTALLED FLUSH WITH THE FINISHED FLOOR AND SHALL BE EASILY ACCESSIBLE FOR CLEANING PURPOSES. FLOOR SINKS SHALL BE LOCATED AT THE FRONT LEADING EDGE OF ANY EQUIPMENT WHICH IS PERMANENTLY INSTALLED.
6. PROVIDE MINIMUM TWO (2) INCH AIR GAP ON ALL WASTE LINES.
7. ALL EXPOSED PIPING IN THE KITCHEN ABOVE SINKS & TABLES SHALL BE CHROME-PLATED OR STAINLESS STEEL.
8. ALL INDIRECT WASTE PIPING IN THE KITCHEN AND SERVING AREAS SHALL BE COPPER PIPE.
9. VACUUM BREAKERS SHALL BE INSTALLED A MINIMUM OF 6 INCHES ABOVE THE FLOOD LEVEL RIM, WITH NO SHUT-OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER. AS AN ALTERNATE, AN APPROVED BACK-FLOW PREVENTER WILL BE PROVIDED.
10. EXHAUST HOOD DRAIN LINES ARE TO BE RUN CONCEALED IN WALLS AND EXTENDED TO FLOOR SINK OR FUNNEL FLOOR DRAIN WITH AIR GAP.
11. ALL SANITARY AND WASTE PIPING LOCATED ABOVE ALL KITCHEN AND PANTRY AREAS, KITCHEN STORAGE AREAS, SERVING AREAS AND DINING AREAS SHALL BE DWV AND/OR PROVIDED WITH A CONTINUOUS DRIP PAN. .
12. REFER TO KITCHEN DRAWINGS FOR ADDITIONAL REQUIREMENTS.

PLUMBING LEGEND

COLD WATER	PRESSURE GAUGE
HOT WATER	TEMPERATURE/PRESSURE TEST PORT
HOT WATER RECIRCULATION	THERMOMETER
CONDENSATE DRAIN LINE — CD	WALL HYDRANT — WH
INDIRECT WASTE — IW	WATER HAMMER ARRESTOR
PUMPED DISCHARGE — PD	FLOOR DRAIN — FD
SANITARY	FLOOR SINK — FS
STORM WATER — SW	FUNNEL FLOOR DRAIN — FFD
OVERFLOW STORM WATER — OFSW	OVERFLOW ROOF DRAIN — OFD
VENT	ROOF DRAIN — RD
REVERSE OSMOSIS — RO	CONCENTRIC REDUCER
REVERSE OSMOSIS RETURN — ROR	ECCENTRIC REDUCER
BACKWATER VALVE — BWV	FLANGED CONNECTION
BALL VALVE	PIPE ANCHOR
BALANCING VALVE W/ FLOW METER FITTING (VENTURI TYPE)	PIPE GUIDE OR SLEEVE
CHECK VALVE	PIPING CAP
REDUCED PRESSURE ZONE BACKFLOW PREVENTER — RPZBP	PIPE CONNECTION BOTTOM
GATE VALVE	PIPE CONNECTION TOP
GLOBE VALVE	PIPING ELBOW DOWN
OS & Y VALVE	PIPING ELBOW UP
PRESSURE REGULATOR	TEE
RELIEF VALVE	UNION
WATER METER — M	VALVE IN VERTICAL POSITION
Y-STRAINER W/HOSE-END VALVE	INLINE CIRCULATING PUMP
FLOOR CLEANOUT — CO	ACCESS PANEL — AP
WALL OR PIPE CLEANOUT — CO	
HOSE BIBB	
HOSE-END VALVE	

PLUMBING ABBREVIATIONS

ABOVE FINISHED FLOOR	AFF
ACCESS PANEL	AP
AIR HANDLING UNIT	AHU
BRAKE HORSEPOWER	BHP
BACKWATER VALVE	BWV
CONDENSATE DRAIN LINE	CD
CONNECTION	CONN
COLD WATER (DOMESTIC)	CW
DESIGNATION	DESIG
FEET	FT
HORSEPOWER	HP
HOT WATER (DOMESTIC)	HW
HOT WATER RECIRCULATE (DOMESTIC)	HWR
INDIRECT WASTE	IW
KILOWATT(S)	KW
POUNDS	LBS
PUMPED DISCHARGE	PD
MAXIMUM	MAX
THOUSAND BRITISH THERMAL UNITS PER HOUR	MBH
NORMALLY CLOSED	NC
NOT IN CONTRACT	NIC
NORMALLY OPEN	NO
OVERFLOW STORM WATER	OFSW
REDUCED PRESSURE ZONE BACKFLOW PREVENTER	RPZBP
REVERSE OSMOSIS	RO
REVERSE OSMOSIS RETURN	ROR
REVOLUTIONS PER MINUTE	RPM
SANITARY	SAN
STANDPIPE	STP
STORM WATER	SW
TRAP PRIMING LINE	TPL
UNLESS OTHERWISE NOTED	UON
VENT THRU ROOF	VTR
WASTE	W

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES

REVIEWED BY:

DATE REVIEWED:

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

STORM DRAINS | SEWER | WATER | FIELD ENGINEER

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P001	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	147 OF 195
	DRAWING NUMBER
	2025-0364
	FILE NO.: 8

DWG. FILENAME

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BID DOCUMENTS 05/15/2025

BKM# 23127.01

PLUMBING DRAIN SCHEDULE

ABBR	FIXTURE	AREA	BASIS OF DESIGN		NOTES
			MANUFACTURER	MODEL	
FD	FLOOR DRAIN	TOILET ROOMS MECHANICAL ROOM KITCHEN	WATTS WATTS WATTS	FD-100-A FD-340 FD-100-A	1 & 2 1, 2 & 4 1, 2 & 4
FFD	FUNNEL FLOOR DRAIN	MECHANICAL ROOMS/KITCHEN	WATTS	FD-320-Y	1, 2, 4 & 5
FS	FLOOR SINK	KITCHEN	WATTS	FS-740	1, 2 & 4
RD	ROOF DRAIN	MAIN ROOF	WATTS	RD-300-F	3, 6 & 7
OFRD	OVERFLOW ROOF DRAIN	MAIN ROOF	WATTS	RD-300-F	3, 6, 7 & 8

NOTE:
1. 1/2" TRAP PRIMING LINE
2. ADJUSTABLE NICKEL BRONZE STRAINER
3. VANDAL PROOF
4. SEDIMENT BUCKET
5. 6" DIAMETER FUNNEL
6. ADJUSTABLE EXTENSION FLANGE
7. UNDERDECK CLAMP
8. PROVIDE 2" HIGH OVERFLOW RING DAM

KITCHEN EQUIPMENT SCHEDULE

DESIG	ITEM	CW	HW	SAN / WASTE	VENT	IW CONN	REMARKS
'K2'	ICE MAKER W/ BIN	1/2" FW	-	-	-	(1) 3/4" & (1) 1/2"	2 & 3
'K3'	HAND SINK	1/2"	1/2"	1 1/2"	1 1/2"	-	1 & 5
'K14'	CONVECTION OVEN	(2) 3/4"	-	-	-	-	4
'K19a'	HOT FOOD COUNTER	-	-	-	-	(3) 1"	2
'K19b'	COLD FOOD COUNTER	-	-	-	-	3/4"	2
'K20'	BEVERAGE COUNTER	-	-	-	-	1"	2
'K21'	COFFEE BREWER	1/2" FW	-	-	-	-	8
'K23'	POT WASHING SINK	(2) 3/4"	(2) 3/4"	-	-	(3) 2"	2, 6 & 7
'K23a'	REVERSE OSMOSIS FILL FAUCET	1/2" RO	-	-	-	-	-
'K26'	MOP SINK	1/2"	1/2"	3"	2"	-	9

NOTES:
1. SINK UNDER ANOTHER DIVISION, UNDER THIS DIVISION PROVIDE FLEXIBLE SUPPLIES, STOPS, TAILPIECE, P-TRAP, TRAP ARM, ROUGH-IN AND FINAL CONNECTIONS.
2. EQUIPMENT OR SINK UNDER ANOTHER DIVISION, UNDER THIS DIVISION PROVIDE INDIRECT WASTE FROM EQUIPMENT OR SINK TO FLOOR SINK OR DRAIN (AS INDICATED ON DRAWINGS) WITH AIR GAP.
3. PROVIDE 3/4" COLD WATER SUPPLY TO ICE MAKER FILTRATION SYSTEM, FILTRATION SYSTEM PROVIDED UNDER ANOTHER DIVISION, EXTEND 1/2" FILTERED WATER TO ICE MAKER, MAKE ROUGH-IN AND FINAL CONNECTION. EXTEND 1/2" FW TO ICE MAKER AND MAKE FINAL CONNECTION.
4. PROVIDE SUPPLY, STOP, ASSE 1024 DUAL CHECK BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION.
5. PROVIDE ASSE 1070 POINT-OF-USE THERMOSTATIC MIXING VALVE SET TO 105 DEG F (ADJUSTABLE).
6. PROVIDE ASSE 1070 POINT-OF-USE THERMOSTATIC MIXING VALVE SET TO 110 DEG F (ADJUSTABLE).
7. REFER TO 3-COMPARTMENT SINK CONNECTION DETAIL.
8. PROVIDE 3/4" COLD WATER SUPPLY TO ICE MAKER FILTRATION SYSTEM, FILTRATION SYSTEM PROVIDED UNDER ANOTHER DIVISION, EXTEND 1/2" FILTERED WATER TO ICE MAKER, MAKE ROUGH-IN AND FINAL CONNECTION. EXTEND 1/2" FW TO ICE MAKER AND MAKE FINAL CONNECTION.
9. SINK UNDER ANOTHER DIVISION, UNDER THIS DIVISION PROVIDE SUPPLIES, STOPS, P-TRAP, ROUGH-IN AND FINAL CONNECTIONS.

PLUMBING EQUIPMENT SCHEDULE

DESIG	SERVICE	DESCRIPTION	BASIS OF DESIGN
DWH-1	DOMESTIC WATER HEATER	COMMERCIAL HEAT PUMP WATER HEATER, NOMINAL 119 GALLONS STORAGE; 179 GPH FIRST HOUR DELIVERY IN HYBRID MODE, 90 GPH RECOVERY @ 100°F RISE IN HYBRID MODE; 9 KW @ 208 V, 1 PH, 60 HZ, ASME RATED, LCD DISPLAY WITH BUILT-IN DIAGNOSTIC AND TROUBLESHOOTING INFORMATION. 3 MODES OF OPERATION - EFFICIENCY, HYBRID OR ELECTRIC. ENERGY STAR QUALIFIED WITH 4.2 COP.	A.O. SMITH MODEL No. CAHP 120
DHWR-1	DOMESTIC HOT WATER RECIRCULATING PUMP	ELECTRONICALLY COMMUTATED PERMANENT MAGNET SPHERICAL MOTOR, NSF 61 STAINLESS STEEL BODY. 4-60 WATTS VARIABLE POWER CONSUMPTION, AUTOMATIC OVERLOAD PROTECTION, MAXIMUM 20 FT HEAD AND 18 GPM, 115 V / 1 PH / 60 HZ.	BELL & GOSSETT MODEL No. ECOCIRC 20-18
ET-1	DOMESTIC HOT WATER EXPANSION TANK	ASME RATED BLADDER TYPE THERMAL EXPANSION TANK WITH FACTORY PAINTED STEEL SHELL AND BUTYL DIAPHRAGM, 15 TOTAL GALLON VOLUME, 10 GALLON ACCEPTANCE VOLUME, NSF 61 CERTIFIED.	WESSEL MODEL No. TTA-30
DWMV-1	DOMESTIC WATER MASTER MIXING VALVE	MASTER DOMESTIC HOT WATER THERMOSTATIC MIXING VALVE, ASSE 1017 APPROVED WITH NICKEL PLATED ELEMENTS, RATED FOR 25 GPM MAXIMUM AND 1/2 GPM MINIMUM WITH A MAXIMUM PRESSURE LOSS OF 10 PSI.	LAWLER MODEL No. 801
ATPS-1	AUTOMATIC TRAP PRIMING STATION	ATMOSPHERIC VACUUM BREAKER, PRE-SET 24 HOUR ADJUSTABLE TIMER, MANUAL OVER RIDE SWITCH/TEST BUTTON, 120V OR 220 SOLENOID VALVE, 3/WIRE SINGLE POINT CONNECTION, 3/4" FNPT CONNECTION, CALIBRATED MANIFOLD FOR EQUAL DISTRIBUTION, 5/8" OR 1/2" OUTLET COMPRESSION PR 1/2" PEX AND PROPEX FITTINGS FOUR OPENING MANIFOLD TO THIRTY OPENING MANIFOLD.	PRECISION PLUMBING PRODUCTS PT SERIES
WSM-1	LEED BUILDING DOMESTIC WATER SUB-METER (SERVING SENIOR CTR)	INSERTION ELECTROMAGNETIC FLOW METER WITH TOUCH SCREEN REMOTE DISPLAY, PROGRAMMABLE WITH BUILT-IN DIAGNOSTICS, +/- 1% READING AT CALIBRATED VELOCITY ACCURACY, ELECTRONIC IMPEDANCE SENSING, 24V +/- AC/DC AT 100 mA, AMBIENT TEMPERATURE RANGE 15° F TO 150° F, MAX PRESSURE @ 400 PSI, LESS THAN 1 PSI PD IN 3" OR SMALLER PIPE SIZE, 0.6 TO 130 GPM FLOW RATE FOR 1 1/2" PIPE. PROVIDE WITH BAS INTERFACE.	ONICON MODEL No. FT-3500 AND TRANSMITTER
WSM-2	LEED DOMESTIC WATER SUB-METER (COLD WATER SUPPLY TO WATER HEATER)	INSERTION ELECTROMAGNETIC FLOW METER WITH TOUCH SCREEN REMOTE DISPLAY, PROGRAMMABLE WITH BUILT-IN DIAGNOSTICS, +/- 1% READING AT CALIBRATED VELOCITY ACCURACY, ELECTRONIC IMPEDANCE SENSING, 24V +/- AC/DC AT 100 mA, AMBIENT TEMPERATURE RANGE 15° F TO 150° F, MAX PRESSURE @ 400 PSI, LESS THAN 1 PSI PD IN 3" OR SMALLER PIPE SIZE, 0.4 TO 95 GPM FLOW RATE FOR 1 1/4" PIPE. PROVIDE WITH BAS INTERFACE.	ONICON MODEL No. FT-3500 AND TRANSMITTER
WSM-3	LEED DOMESTIC WATER SUB-METER (PLUMBING FIXTURES)	INSERTION ELECTROMAGNETIC FLOW METER WITH TOUCH SCREEN REMOTE DISPLAY, PROGRAMMABLE WITH BUILT-IN DIAGNOSTICS, +/- 1% READING AT CALIBRATED VELOCITY ACCURACY, ELECTRONIC IMPEDANCE SENSING, 24V +/- AC/DC AT 100 mA, AMBIENT TEMPERATURE RANGE 15° F TO 150° F, MAX PRESSURE @ 400 PSI, LESS THAN 1 PSI PD IN 3" OR SMALLER PIPE SIZE, 0.4 TO 95 GPM FLOW RATE FOR 1 1/4" PIPE. PROVIDE WITH BAS INTERFACE.	ONICON MODEL No. FT-3500 AND TRANSMITTER
WSM-4	DOMESTIC WATER SUB METER (HOT WATER SUPPLY TO KITCHEN)	INSERTION ELECTROMAGNETIC FLOW METER WITH TOUCH SCREEN REMOTE DISPLAY, PROGRAMMABLE WITH BUILT-IN DIAGNOSTICS, +/- 1% READING AT CALIBRATED VELOCITY ACCURACY, ELECTRONIC IMPEDANCE SENSING, 24V +/- AC/DC AT 100 mA, AMBIENT TEMPERATURE RANGE 15° F TO 150° F, MAX PRESSURE @ 400 PSI, LESS THAN 1 PSI PD IN 3" OR SMALLER PIPE SIZE, 0.4 TO 95 GPM FLOW RATE FOR 1 1/4" PIPE. PROVIDE WITH BAS INTERFACE.	ONICON MODEL No. FT-3500 AND TRANSMITTER
RO	REVERSE OSMOSIS WATER SYSTEM (TYPICAL FOR BOTTLE FILLER, ELECTRIC WATER COOLER AND FILL FAUCET IN KITCHEN)	PACKAGED POINT-OF-USE REVERSE OSMOSIS WATER SYSTEM WITH 20 GALLON COMPOSITE PRESSURE TANK, RO SYSTEM SHALL BE SINGLE PASS TYPE PRODUCE 200 GALLONS PER DAY, TDS LESS THAN 1000 PPM, 97.5% NOMINAL SALT REJECTION, 0.13 PERMEATE FLOW GPM, 0.39 GPM CONCENTRATE FLOW, 1 MEMBRANE PER VESSEL, 2 MEMBRANES TOTAL, 1:1 VESSEL ARRAY, 2 VESSELS TOTAL, NOMINAL 17" X 6 1.2" X 34" HIGH. PACKAGE TO INCLUDE RO MODULE, ALL FILTERS, FILTER WRENCH, (2) 100 GPD MEMBRANE AND MANUAL, PRESSURE TANK SHELL SHALL BE COPOLYMER POLYPROPYLENE TANK WITH FIBERGLASS AND SEALED WITH HIGH GRADE EXPOXY RESIN, WATER CHAMBER SHALL BE 100% BUTYL RUBBER DIAPHRAGM WITH COPOLYMER POLYPROYLENE LOWER CHAMBER, NOMINAL 20 GALLONS, 34" H X 16.5" DIA, 14.7 GALLON DRAW DOWN @10 PSI PRE-CHARGE & 60 PSI SUPPLY, TANK RATED FOR 125 PSI WORKING PRESSURE.	US WATER SYSTEMS MAVERICK LITE COMMERCIAL RO SYSTEM - 200 MAV & USROF-20 TANK
GI-1	GREASE INTERCEPTOR	MAYER BROTHERS 1000 GALLON HEAVY TRAFFIC RATED, FC = 4,500 PSI @ 28 DAYS, DENSITY = 150 PCF., CEMENT - PORTLAND TYPE I/II PER ASTM C 150-92, ADMIXTURE & PLASTICIZERS PER ASTM C 260-86 & C 494-92, REINFORCING PER ASTM A615, GRADE 60, DOMESTIC. MIN. 1" COVER., WALLS, BASE & TOP SLAB DESIGNED FOR HS-20 LOADING PER ENGINEER'S CALCULATIONS, TOP SLAB SEALED WITH BUTYL ROPE MASTIC, MAX 5'-0" OF EARTH COVER, PROVIDE EFFLUENT FILTER ON DISCHARGE PIPING. REFER TO DETAIL	MAYER BROTHERS MODEL 1000TRAF

PLUMBING FIXTURE SCHEDULE

DESIG	DESCRIPTION	CW	HW	SAN	VENT	TRAP	FLOW	MOUNTING ARRANGEMENT	NOTES
WC-1	WATER CLOSET	1 1/4"	-	4"	2"	'INT'	1.28 GPF	FLOOR	3
WC-2	WATER CLOSET	1 1/4"	-	4"	2"	'INT'	1.28 GPF	FLOOR	1 & 3
UR-1	URINAL	3/4"	-	2"	1 1/2"	'INT'	0.125 GPM	WALL	3
UR-2	URINAL	3/4"	-	2"	1 1/2"	'INT'	0.125 GPM	WALL	1 & 3
L-1	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	'P'	0.35 GPM	COUNTERTOP	2 & 3
S-1	COUNTERTOP SINK	1/2"	1/2"	1 1/2"	1 1/2"	'P'	1.5 GPM	COUNTERTOP	2
EWC-1	ELECTRIC WATER COOLER, DUAL LEVEL W/ BOTTLE FILLING STATION	1/2"	-	1 1/2"	1 1/2"	'P'	8 GPH	WALL	1
BF-1	BOTTLE FILLER W/ REMOTE CHILLER	1/2"	-	1 1/2"	1 1/2"	'P'	1 GPH	WALL	1
MB-1	MOP BASIN	3/4"	3/4"	3"	1 1/2"	'P'	5 GPM	FLOOR	2
WH	NON-FREEZE WALL HYDRANT	3/4"	-	-	-	-	5 GPM	WALL	4
HB	HOSE BIB	3/4"	-	-	-	-	5 GPM	WALL	4

NOTES:
1. ADA ACCESSIBLE.
2. PROVIDE ASSE 1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, LAWLER 570 OR EQUIVALENT.
3. FIXTURE SHALL BE WATER SENSE LABELED.
4. REFER TO SPEC 221116.

PLUMBING PIPE INSULATION SCHEDULE

SYSTEM	PIPE SIZE	TYPE	THICKNESS	MAX K-VALUE @ 75°F	JACKET	NOTES
DOMESTIC COLD WATER	ALL SIZES	RIGID FIBERGLASS	1"	0.23	ASJ	1, 2 & 3
DOMESTIC HOT WATER AND RECIRCULATING	1" AND SMALLER	RIGID FIBERGLASS	1"	0.23	ASJ	1, 2 & 3
	1 1/4" AND 1 1/2"		1 1/2"			
	2" AND LARGER		2"			
HORIZONTAL SANITARY AND VENTS WITHIN 6FT OF ROOF	ALL SIZES	RIGID FIBERGLASS	1"	0.23	ASJ	1, 2 & 3
HORIZONTAL STORM WATER AND CONDENSATE	ALL SIZES	RIGID FIBERGLASS	1"	0.23	ASJ	1, 2 & 3

NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS AS WELL AS DETAILED PRODUCT AND INSTALLATION REQUIREMENTS. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
2. ASJ (ALL SERVICE JACKET) SHALL INCLUDE VAPOR RETARDER.
3. FOR PIPING INSTALLED BELOW 8'-0" ABOVE FINISHED FLOOR, PROVIDE PVC JACKET.

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Plotted By: Rosa Flickinger 14/10/2025 10:48 PM

DWG. FILENAME

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS–BUILT / REVISION

PERMIT REVISIONS #1

CONTRACT COMPLETION BOX

BY: DATE: 3/19/25

P.W.A NO.:

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLUMBING SCHEDULES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

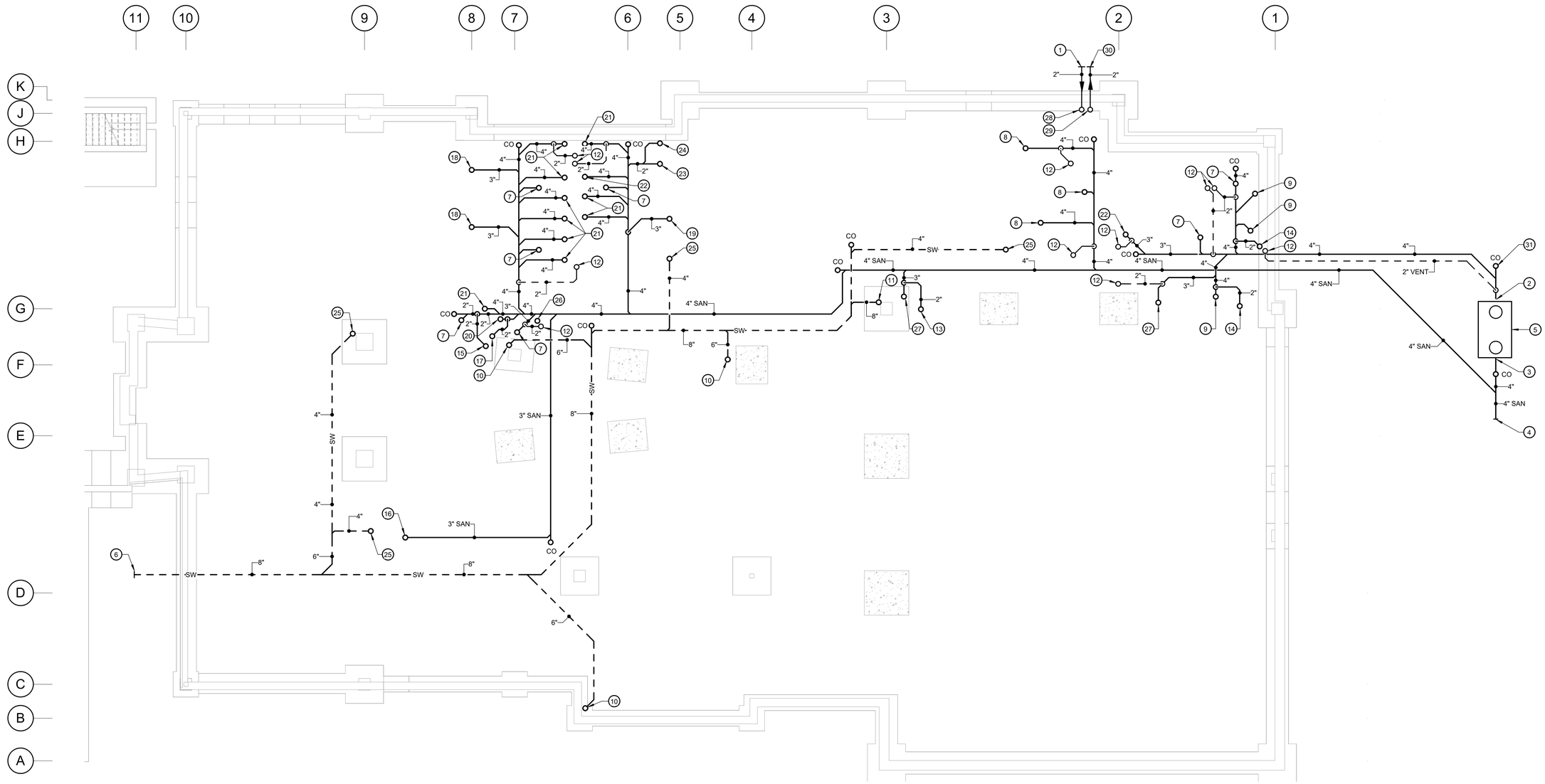
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P002	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	148 OF 195
	DRAWING NUMBER
	2025-0365
	FILE NO.: 8

BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 FOUNDATION PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL INVERTS ARE BASED ON FINISHED FLOOR ELEVATION = 576.00'.
4. ALL SANITARY (GREASE) PIPING SHALL BE SLOPED AT 2% MINIMUM SLOPE.

DRAWING NOTES:

1. 2" INCOMING UNTREATED WELL WATER (TO SERVE EXISTING EXISTING RECS & PARK BUILDING AND NEW SENIOR CENTER), PROVIDE MINIMUM 4'-0" GROUND COVER, FOR CONTINUATION, REFER TO CIVIL DRAWINGS.
2. 4" SANITARY (GREASE), APPROXIMATE INVERT AT GREASE INTERCEPTOR INLET = 572.00'.
3. 4" SANITARY (GREASE), APPROXIMATE OUTVERT AT GREASE INTERCEPTOR OUTLET = 571.75".
4. 4" SANITARY, APPROXIMATE INVERT @ 571.00, FOR CONTINUATION, REFER TO CIVIL DRAWINGS.
5. 1000 GALLON GREASE INTERCEPTOR, REFER TO DETAIL. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
6. 8" STORM WATER, APPROXIMATE INVERT @ 570.50', FOR CONTINUATION, REFER TO CIVIL DRAWINGS.
7. 2" SANITARY UP TO 2" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
8. 4" SANITARY UP TO 4" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
9. 4" SANITARY UP TO 4" FLOOR SINK WITH 1/2" TRAP PRIMING LINE.
10. 6" STORM WATER UP.
11. 8" STORM WATER UP.
12. 2" VENT UP.
13. 2" SANITARY UP TO BF-1.
14. 2" SANITARY UP TO HAND SINK 'K3'.
15. 2" SANITARY UP TO EWC-1.
16. 2" SANITARY UP TO S-1.
17. 2" SANITARY UP TO L-1.
18. 3" SANITARY UP TO (3) L-1.
19. 3" SANITARY UP TO (5) L-1.
20. 3" SANITARY UP TO MB-1.
21. 4" SANITARY UP TO WC-1.
22. 3" SANITARY UP TO MOP SINK 'K26'.
23. 2" SANITARY UP TO UR-1.
24. 2" SANITARY UP TO UR-2.
25. 4" STORM WATER UP.
26. 4" RADON UP, REFER TO DETAIL.
27. 3" SANITARY UP TO 3" FUNNEL FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
28. 2" INCOMING UNTREATED WELL WATER UP.
29. 2" OUTGOING TREATED WELL WATER UP.
30. 2" OUTGOING TREATED WELL WATER (TO SERVICE EXISTING RECS & PARK BUILDING), PROVIDE MINIMUM 4'-0" GROUND COVER, FOR CONTINUATION, REFER TO CIVIL DRAWINGS.
31. COORDINATE LOCATION OF CLEANOUT WITH ELECTRICAL EQUIPMENT IN THIS AREA.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND — CHARLES ALLEN KOEHLER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12	PLAN SCALE:	
	78NE12	PROFILE SCALE:	
	78NE11		

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FOUNDATION PLAN - PLUMBING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

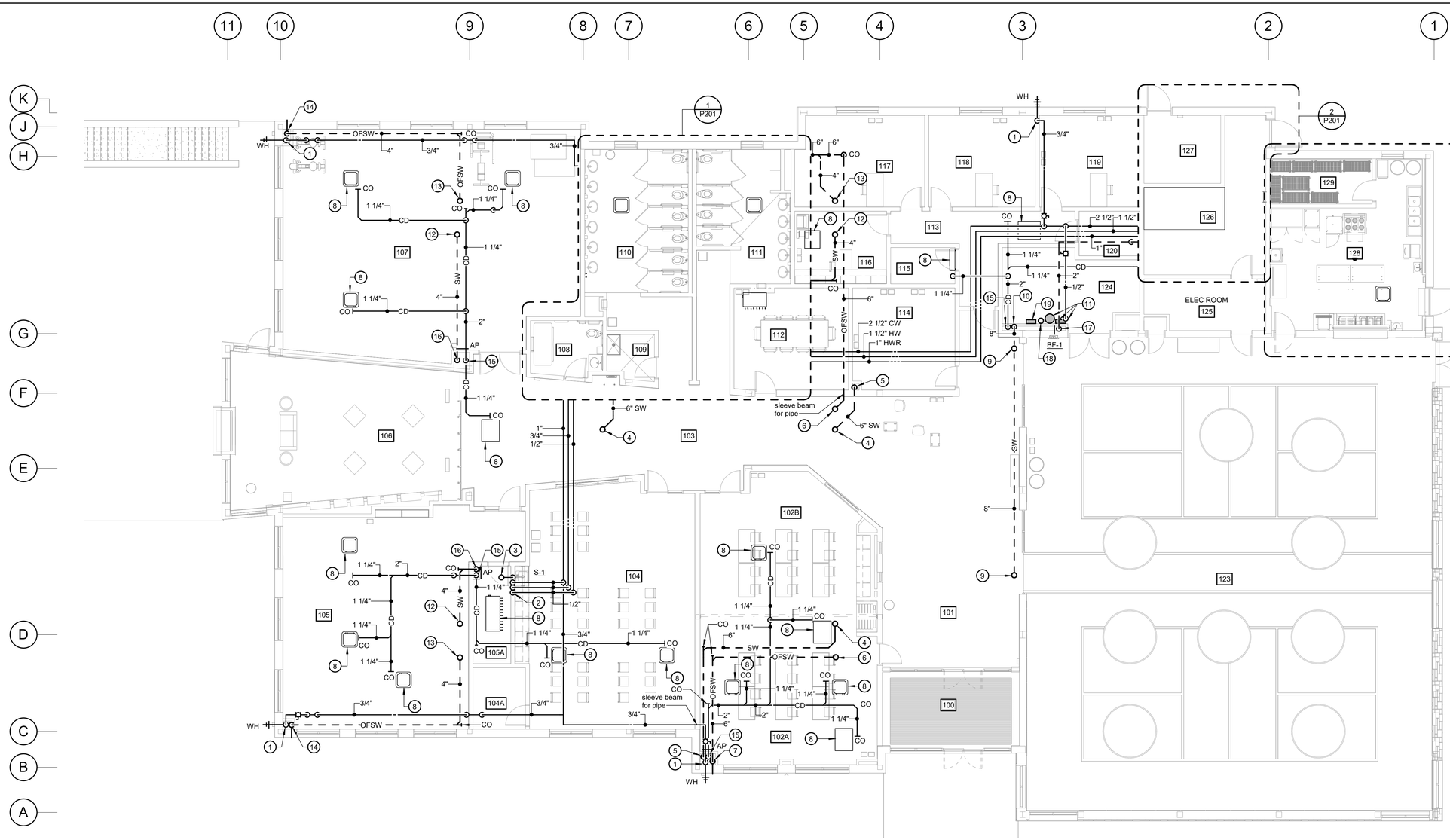
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P101	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	149 OF 195
	DRAWING NUMBER
	2025-0366
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL VALVES SHALL BE READILY ACCESSIBLE.
4. SLOPE CONDENSATE PIPING AT 1 % SLOPE.

○ DRAWING NOTES:

1. 3/4" CW DOWN TO 3/4" NON-FREEZE WALL HYDRANT WITH VACUUM BREAKER.
2. 1/2" HWR, 1/2" HW, 1/2" CW & 2" VENT DOWN TO S-1 & 2" SANITARY.
3. 2" VENT UP TO 4" VENT THROUGH ROOF.
4. 6" STORM WATER UP TO 6" ROOF DRAIN.
5. 6" STORM WATER DOWN.
6. 6" STORM WATER OVERFLOW UP TO 6" OVERFLOW ROOF DRAIN.
7. 6" STORM WATER OVERFLOW DOWN IN CHASE, EXTEND THROUGH EXTERIOR WALL AT 18" ABOVE FINISHED GRADE AND PROVIDE DOWNSPOUT NOZZLE WITH STAINLESS STEEL SCREEN, ZURN ZARB-199-SS.
8. MECHANICAL UNIT & CONDENSATE PUMP UNDER ANOTHER DIVISION. UNDER THIS DIVISION, PROVIDE CONDENSATE PIPING FROM CONDENSATE PUMP TO SLOPED CONDENSATE PIPING, REFER TO DETAIL
9. 8" STORM WATER PIPE UP THROUGH ROOF.
10. 8" STORM WATER DOWN.
11. 1/2" CW DOWN TO POINT-OF-USE REVERSE OSMOSIS (RO) WATER SYSTEM (FILTER ASSEMBLY & 20 GALLON PRESSURIZED TANK) TO SERVE BOTTLE FILLER BF-1, PROVIDE SHUT-OFF BALL VALVE AND BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION. EXTEND 1/2" RO WATER TO BF-1, EXTEND DRAIN FROM RO WATER SYSTEM AND DISCHARGE WITH AIR GAP OVER 3" FUNNEL FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
12. 4" STORM WATER UP TO 4" ROOF DRAIN.
13. 4" STORM WATER OVERFLOW UP TO 4" OVERFLOW ROOF DRAIN.
14. 4" STORM WATER OVERFLOW DOWN IN CHASE, EXTEND THROUGH EXTERIOR WALL AT 18" ABOVE FINISHED GRADE AND PROVIDE DOWNSPOUT NOZZLE WITH STAINLESS STEEL SCREEN, ZURN ZARB-199-SS.
15. CONNECT 2" CONDENSATE PIPING TO STORM WATER PIPING IN VERTICAL WITH AIR GAP FITTING AND BACKWATER VALVE, REFER TO DETAIL. PROVIDE ACCESS PANEL.
16. 4" STORM WATER DOWN.
17. 1 1/2" VENT DOWN TO BF-1 & 2" SANITARY.
18. 3" FUNNEL FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE. (SERVES RO WASTE WATER).
19. REMOTE CHILLER FOR BOTTLE FILLER, SUPPORT OFF WALL IN RM 124, REFER TO PLUMBING FIXTURE SPECIFICATIONS. COORDINATE WITH ELECTRICAL DIVISION.

1 FIRST FLOOR PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND — JOHN CHARLES ACHEY — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT BY: DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE:	
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - PLUMBING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

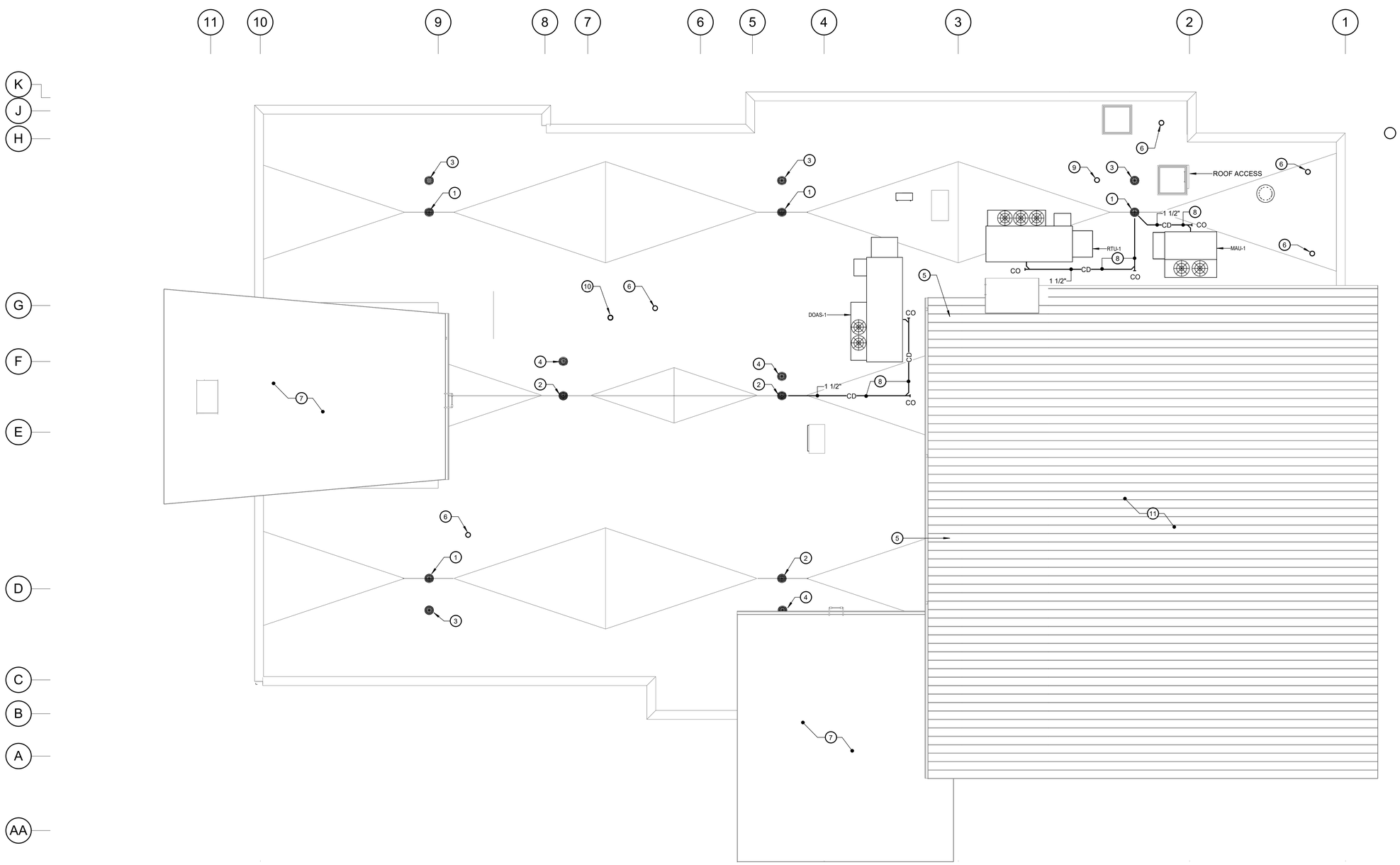
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P102	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	150 OF 195
	DRAWING NUMBER
	2025-0367
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL VENT THROUGH ROOFS SHALL BE LOCATED 15'-0" MINIMUM FROM ALL MECHANICAL UNIT AIR INTAKES.

○ DRAWING NOTES:

1. 4" ROOF DRAIN.
2. 6" ROOF DRAIN.
3. 4" OVERFLOW ROOF DRAIN.
4. 6" OVERFLOW ROOF DRAIN.
5. PROVIDE 8" STORM WATER PIPE FROM BELOW EXTENDING 12" ABOVE ROOF LINE, PIPE SHALL BE FLASHED WITH ROOF. DOWNSPOUT SHALL TERMINATE WITHIN PIPE.
6. 4" VENT THROUGH ROOF.
7. GUTTER AND DOWNSPOUT FROM THIS ROOF PROVIDED UNDER ANOTHER DIVISION. STORM WATER SHALL DRAIN ONTO ADJACENT LOWER ROOF OVER SPLASH BLOCK.
8. MECHANICAL UNIT UNDER ANOTHER DIVISON, UNDER THIS DIVISION, PROVIDE CONDENSATE DRAIN FROM UNIT TO NEAREST ROOF DRAIN. PROVIDE PIPE ROOF SUPPORTS, REFER TO DETAIL ON MECHANICAL DRAWINGS.
9. 3/4" NON-FREEZE POST ROOF HYDRANT WITH VACUUM BREAKER.
10. 4" RADON VENT THROUGH ROOF, REFER TO DETAIL.
11. GUTTER AND DOWNSPOUT FROM THIS ROOF PROVIDED UNDER ANOTHER DIVISION.

1 ROOF PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · ANDREW CHARLES EHLER · No. 18528 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528, EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT BY: DATE:

DGN BY: REF | DWN BY: REF | CHKD BY: ACE

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF PLAN - PLUMBING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

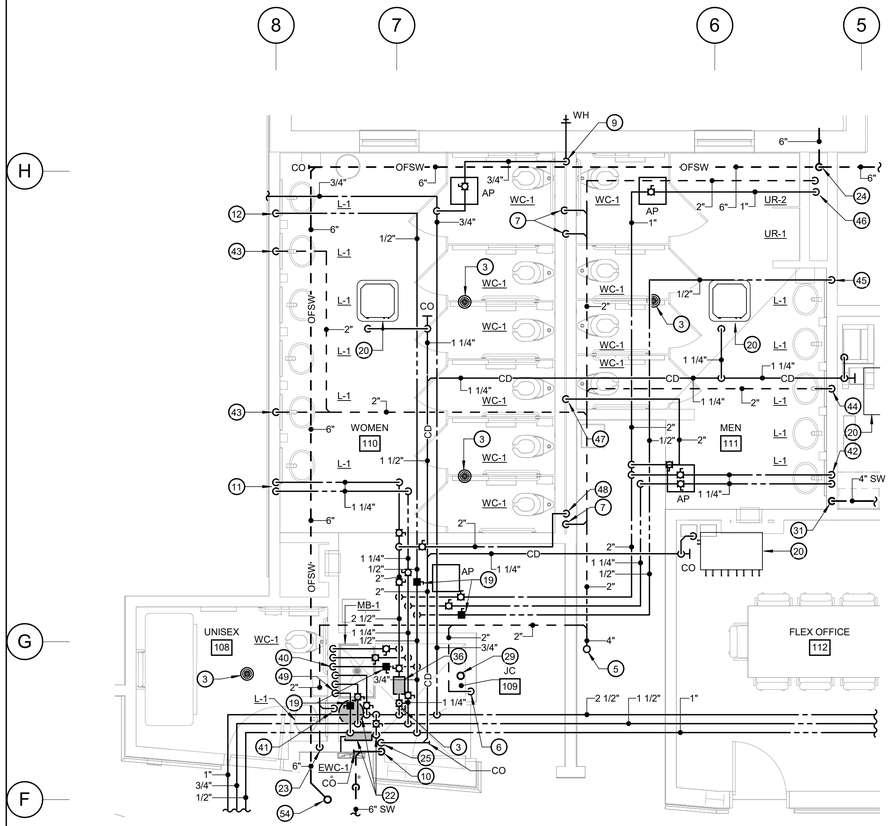
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P103	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	151 OF 195
	DRAWING NUMBER
	2025-0368
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

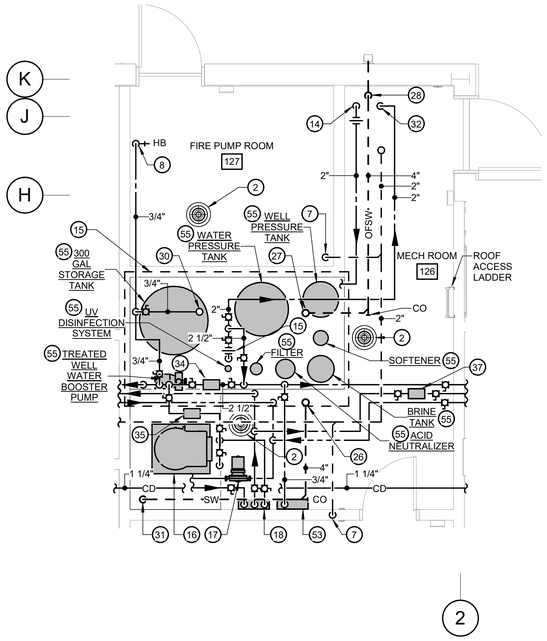
BID DOCUMENTS 05/15/2025

BKM# 23127.01



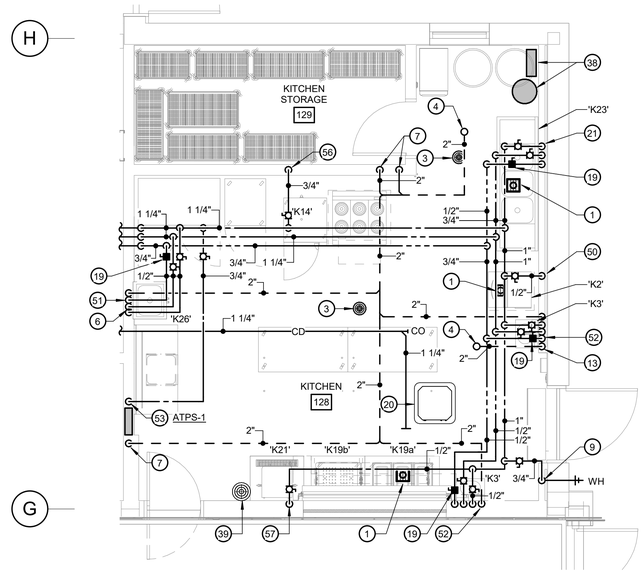
1 PART FIRST FLOOR PLAN - PLUMBING - CORE TOILET ROOMS

SCALE: 1/4" = 1'-0"



2 PART FIRST FLOOR PLAN - PLUMBING WATER SERVICE ROOM & FIRE PUMP ROOM

SCALE: 1/4" = 1'-0"



3 PART FIRST FLOOR PLAN - PLUMBING - KITCHEN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL VALVES SHALL BE READILY ACCESSIBLE.
4. REFER TO DOMESTIC WATER RISER DIAGRAMS FOR ADDITIONAL VALVES, ETC.
5. ALL DOMESTIC WATER METERS SHALL HAVE FULL LINE SIZE BYPASS WITH NORMALLY CLOSED BALL VAVLE.
6. COORDINATE FINAL LOCATION OF CEILING ACCESS PANELS WITH ALL CEILING MOUNTED DEVICES AND FINAL LOCATION OF VALVES SO THAT THEY ARE READILY ACCESSIBLE.

DRAWING NOTES:

1. 4" FLOOR SINK WITH 1/2" TRAP PRIMING LINE.
2. 4" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
3. 2" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
4. 2" VENT UP TO 4" VENT THROUGH ROOF.
5. 4" VENT UP TO 4" VENT THROUGH ROOF.
6. 2" VENT DOWN TO 3" SANITARY.
7. 2" VENT DOWN TO 4" SANITARY.
8. 3/4" CW DOWN TO 3/4" HOSE BIB WITH VACUUM BREAKER.
9. 3/4" CW DOWN TO 3/4" NON-FREEZE WALL HYDRANT WITH VACUUM BREAKER.
10. 6" STORM WATER DOWN.
11. 1 1/4" HW & 1 1/4" CW DOWN TO (6) L-1.
12. 1/2" HWR DOWN TO (6) L-1.
13. 2" VENT DOWN TO 4" SANITARY (GREASE).
14. 2" INCOMING WELL WATER DOWN WITH 2" ISOLATION BALL VALVE IN VERTICAL PIPE.
15. WELL WATER EQUIPMENT AND INTERCONNECTING PIPING UNDER ANOTHER DIVISION. UNDER THIS DIVISION, PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO INLET TO & OUTLET FROM WELL WATER EQUIPMENT. REFER TO DRAWINGS SW301 FOR ADDITIONAL INFORMATION. (WELL WATER EQUIPMENT SHOWN ON THIS PLAN FOR REFERENCE ONLY)
16. DOMESTIC HEAT PUMP WATER HEATER, DWH-1, REFER TO SCHEDULE AND DETAIL. MAINTAIN 3'-0" CLEARANCE IN FRONT OF CONTROL PANEL & REQUIRED CLEARANCES AROUND & ABOVE PER MANUFACTURERS RECOMMENDATIONS.
17. DOMESTIC HOT WATER RECIRCULATION PUMP, DHWR-1, REFER TO SCHEDULE AND DETAIL.
18. DOMESTIC WATER MASTER MIXING VALVE, DWMV-1, REFER TO SCHEDULE AND DETAIL.
19. COMBINATION SHUT-OFF AND BALANCE VALVE (SET @ 0.5 GPM), REFER TO DETAIL.
20. MECHANICAL UNIT & CONDENSATE PUMP UNDER ANOTHER DIVISION. UNDER THIS DIVISION, PROVIDE CONDENSATE PIPING FROM PUMP TO SLOPED CONDENSATE DRAIN PIPING, REFER TO DETAIL
21. 1/2" HW, 3/4" HW & 3/4" CW DOWN TO 3-COMPARTMENT SINK 'K23'. EXTEND 1/2" CW FROM SINK SUPPLY TO POINT-OF-USE REVERSE OSMOSIS (RO) WATER SYSTEM (SEE DRAWING NOTE 38), PROVIDE SHUT-OFF BALL VALVE AND BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION.
22. 1/2" CW DOWN TO POINT-OF-USE REVERSE OSMOSIS (RO) WATER SYSTEM (FILTER ASSEMBLY & 20 GALLON PRESSURIZED TANK) TO SERVE ELECTRIC WATER COOLER, PROVIDE SHUT-OFF BALL VALVE AND BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION. EXTEND 1/2" RO WATER TO EWC-1 AND DISCHARGE RO WASTE WATER OVER MOP SINK.
23. 2" VENT DOWN TO EWC-1 & 2" SANITARY.
24. 6" STORM WATER OVERFLOW DOWN THROUGH EXTERIOR WALL AT 18" ABOVE FINISHED GRADE. PROVIDE DOWNSPOUT NOZZLE WITH STAINLESS STEEL SCREEN, ZURN ZARB-199-SS.
25. CONNECT 2" CONDENSATE PIPING TO STORM WATER PIPING IN VERTICAL WITH AIR GAP FITTING AND BACKWATER VALVE, REFER TO DETAIL.
26. 4" STORM WATER UP TO 4" ROOF DRAIN.
27. 4" STORM WATER OVERFLOW UP TO 4" OVERFLOW ROOF DRAIN.
28. 4" STORM WATER OVERFLOW DOWN THROUGH EXTERIOR WALL AT 18" ABOVE FINISHED GRADE. PROVIDE DOWNSPOUT NOZZLE WITH STAINLESS STEEL SCREEN, ZURN ZARB-199-SS.
29. 4" RADON UP THROUGH ROOF AND 4" RADON DOWN, REFER TO DETAIL.
30. 3/4" CW UP TO 3/4" NON-FREEZE POST ROOF HYDRANT WITH VACUU BREAKER.
31. 4" STORM WATER DOWN.
32. 2" OUTGOING TREATED WELL WATER DOWN WITH 2" ISOLATION BALL VALVE IN VERTICAL PIPE.
33. INCOMING WELL WATER SUB-METER, WSM-1, REFER TO SCHEDULE. (SERVES NEW SENIOR CENTER & EXISTING PARKS & REC BUILDING)
34. LEED TOTAL BUILDING DOMESTIC WATER SUB-METER, WSM-1, REFER TO SCHEDULE. (SERVES NEW SENIOR CENTER)
35. LEED DOMESTIC HOT WATER SUB-SYSTEM SUB-METER, WSM-2, REFER TO SCHEDULE.
36. LEED DOMESTIC COLD WATER PLUMBING FIXTURE SUB-SYSTEM SUB-METER, WSM-3, REFER TO SCHEDULE.
37. DOMESTIC HOT WATER SUB-METER FOR KITCHEN, WSM-4, REFER TO SCHEDULE.
38. POINT-OF-USE REVERSE OSMOSIS (RO) WATER SYSTEM (FILTER ASSEMBLY & 20 GAL PRESSURIZED TANK). EXTEND 1/2" RO WATER TO FILL FAUCET 'K23a' LOCATED ON LEFT DRAINBOARD OF 3-COMPARTMENT SINK. FILL FAUCET PROVIDED UNDER KITCHEN DIVISION, UNDER THIS DIVISON, PROVIDE ROUGH-IN AND FINAL CONNECTION. DISCHARGE RO WASTE WATER OVER NEAREST FLOOR SINK.
39. 3" FUNNEL FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
40. 1/2" HWR, 1/2" HW & 1 1/4" CW DOWN TO WC-1 & L-1.
41. 2" VENT DOWN TO L-1 & 2" SANITARY.
42. 1 1/4" HW & 1 1/4" CW DOWN TO (5) L-1.
43. 2" VENT DOWN TO (3) L-1 & 2" SANITARY.
44. 2" VENT DOWN TO (5) L-1 & 3" SANITARY.
45. 1/2" HWR DOWN TO (5) L-1.
46. 1" CW & 2" DOWN TO (1) UR-1 & (1) UR-2 AND 2" SANITARY.
47. 2" CW DOWN TO (4) WC-1.
48. 2" CW DOWN TO (6) WC-1.
49. 1/2" HWR, 3/4" HW & 3/4" CW DOWN TO MB-1.
50. 1/2" CW DOWN TO ICE MAKER FILTER ASSEMBLY FOR ICE MAKER 'K2'. FILTER ASSEMLBY & ICE MAKER UNDER ANOTHER DIVISION, UNDER THIS DIVISION PROVIDE SHUT-OFF BALL VALVE, BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION TO FILTER ASSEMBLY. CONTRACTOR SHALL EXTEND 1/2" FILTERED WATER TO ICE MAKER AND MAKE FINAL CONNECTION.
51. 1/2" HWR, 3/4" HW & 1/2" CW DOWN TO MOP SINK 'K26'.
52. 2" VENT, 1/2" HWR, 1/2" HW & 1/2" CW DOWN TO HAND SINK 'K3' & 2" SANITARY.
53. 3/4" CW DOWN TO AUTOMATIC TRAP PRIMING STATION ATPS-1, REFER TO SCHEDULE AND DETAIL.
54. 6" STORM WATER OVERFLOW UP TO 6" OVERFLOW ROOF DRAIN.
55. WELL WATER EQUIPMENT UNDER ANOTHER DIVISION.
56. 3/4" CW DOWN TO (2) 3/4" CW CONNECTIONS FOR CONVECTION OVEN 'K14' , MAKE ROUGH-IN AND FINAL CONNECTIONS.
57. 1/2" CW DOWN TO FILTER ASSEMBLY FOR COFFEE BREWER, FILTER ASSEMBLY & COFFEE BREWER UNDER ANOTHER DIVISION, UNDER THIS DIVISION PROVIDE SHUT-OFF BALL VALVE, BACKFLOW PREVENTER, ROUGH-IN AND FINAL CONNECTION TO FILTER ASSEMBLY. CONTRACTOR SHALL EXTEND 1/2" FILTERED WATER TO COFFEE BREWER AND MAKE FINAL CONNECTION. .

0 2 4 8 12

SCALE: 1/4" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND — BRIAN CHARLES BOEHLER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PART FLOOR PLANS - PLUMBING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

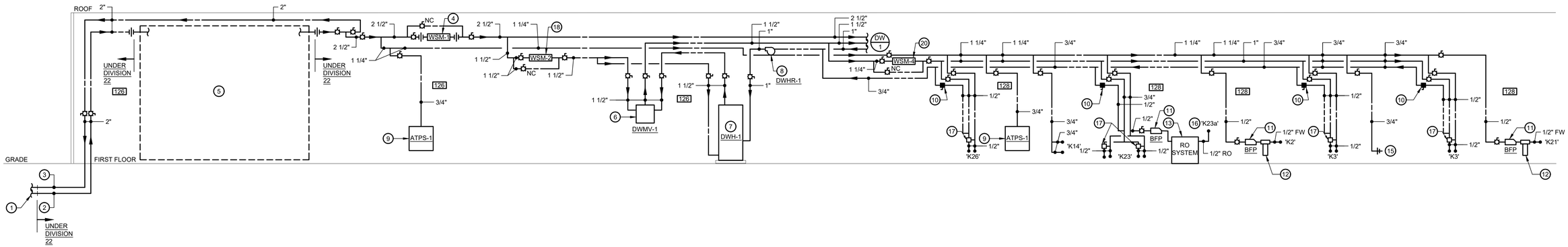
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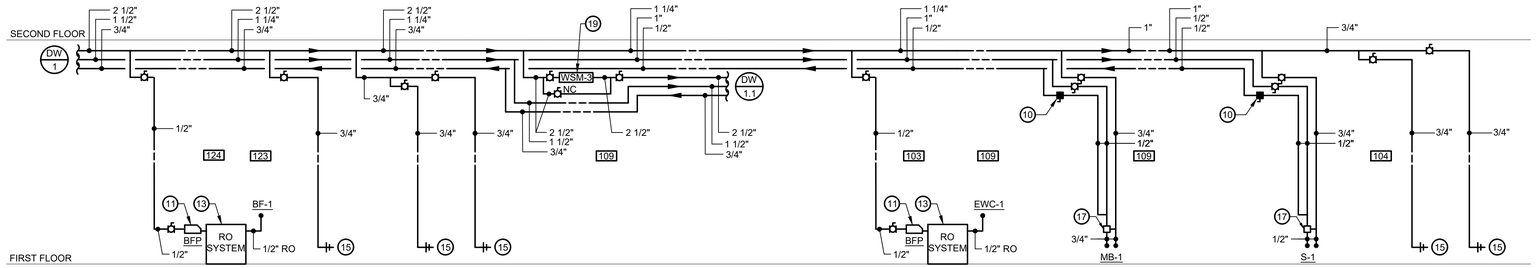
SHEET DESIGNATION	CONTRACT NUMBER
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	PO 10-701-1861
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	DRAWING NUMBER
	2025-0369
	FILE NO.: 8

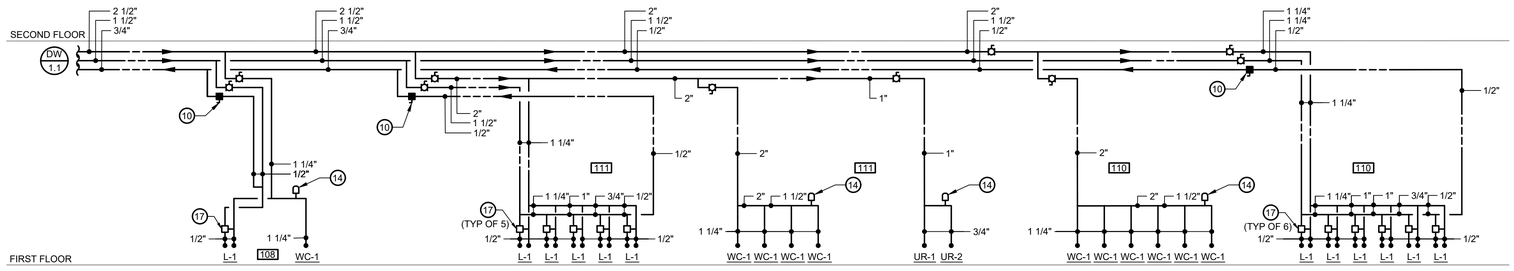
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01







1 DOMESTIC WATER RISER DIAGRAM
NO SCALE

GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL VALVES AND PLUMBING APPURTENANCES REQUIRING PERIODIC MAINTENANCE SHALL BE INSTALLED IN READILY ACCESSIBLE AREA.

○ DRAWING NOTES:

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2. 2" INCOMING WELL WATER SERVING EXISTING JACKSONVILLE PARKS & REC BUILDING.
3. 2" OUTGOING TREATED WELL WATER SERVING EXISTING JACKSONVILLE PARKS.
4. LEED BUILDING DOMESTIC WATER METER, WSM-1, REFER TO SCHEDULE.
5. WELL EQUIPMENT AND INTERCONNECTING PIPING, VALVES, GAUGES, ETC. UNDER ANOTHER DIVISION. REFER TO WELL CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.
6. DOMESTIC WATER MASTER MIXING VALVE, DWMV-1, REFER TO SCHEDULE AND DETAIL.
7. DOMESTIC HEAT PUMP WATER HEATER, DWH-1, REFER TO SCHEDULE AND DETAIL.
8. DOMESTIC HOT WATER RECIRCULATION PUMP, DHWR-1, REFER TO SCHEDULE AND DETAIL.
9. AUTOMATIC TRAP PRIMING STATION, ATPS-1, REFER TO SCHEDULE AND DETAIL.
10. COMBINATION SHUT-OFF AND BALANCE FITTING (SET @ 0.5 GPM), REFER TO DETAIL.
11. BACK FLOW PREVENTER.
12. ICE MACHINE FILTER ASSEMBLY UNDER ANOTHER DIVISION, UNDER THIS DIVISION, PROVIDE ROUGH-IN AND FINAL CONNECTION. EXTEND 1/2" FILTERED WATER TO 'K2' ICE MACHINE.
13. POINT-OF-USE REVERSE OSMOSIS SYSTEM, REFER TO SCHEDULE.
14. WATER HAMMER ARRESTOR, SIZE TO PDI WH201 STANDARD.
15. 3/4" NON-FREEZE WALL HYDRANT WITH VACUUM BREAKER.
16. FILL FAUCET AT 3-COMPARTMENT SINK UNDER ANOTHER DIVISION, PROVIDE ROUGH-IN AND FINAL CONNECTION.
17. ASSE1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, LAWLER 570 OR EQUIVALENT.
18. LEED DOMESTIC COLD WATER SUB-METER FOR DOMESTIC HOT WATER SYSTEM, WSM-2, REFER TO SCHEDULE.
19. LEED DOMESTIC WATER SUB-METER FOR PLUMBING FIXTURES, WSM-3, REFER TO SCHEDULE.
20. DOMESTIC HOT WATER SUB-METER FOR KITCHEN, WSM-4, REFER TO SCHEDULE.

DWG. FILENAME

ARL: G:\23127.01\Drawings\Acad\PP301 DW RISER

Plotted By: Rosa Flickinger 14/10/2025 10:48 PM

SEAL: STATE OF MARYLAND — JOHN CHARLES ENGLER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		PERMIT REVISIONS #1			3/19/25		UNE	79NE12	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 18528 EXPIRATION DATE: 07/27/26		CONTRACT COMPLETION BOX						78NE12	PROFILE SCALE:		DATE:
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: REF	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	78NE11	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: REF	REVIEWED BY:									
BY: DATE:	CHKD BY: ACE	DATE REVIEWED:									

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

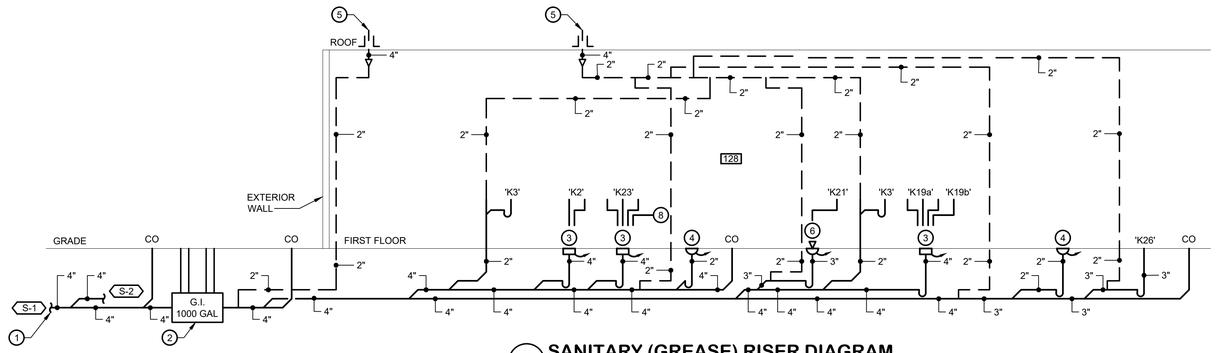
JACKSONVILLE SENIOR CENTER
PLUMBING RISER DIAGRAMS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

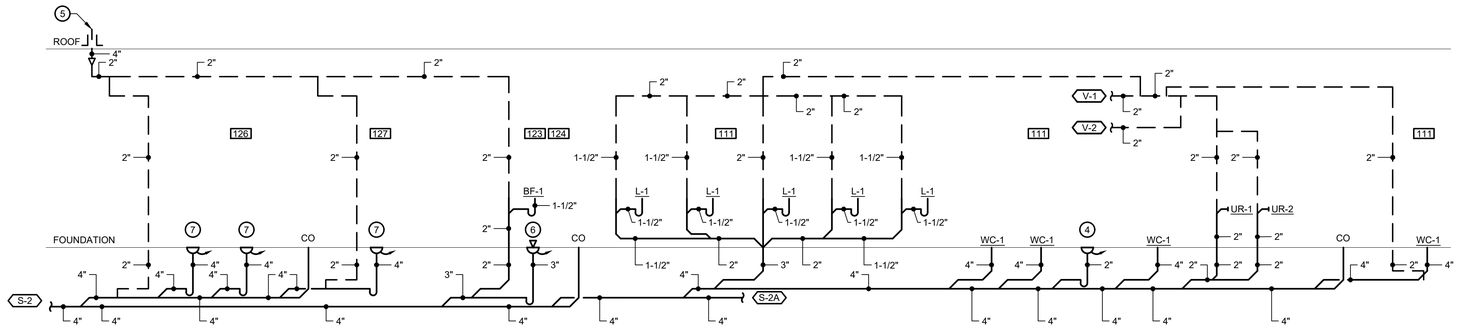
SHEET DESIGNATION	CONTRACT NUMBER
P301	25010 PO0
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	153 OF 195
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	2025-0370
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

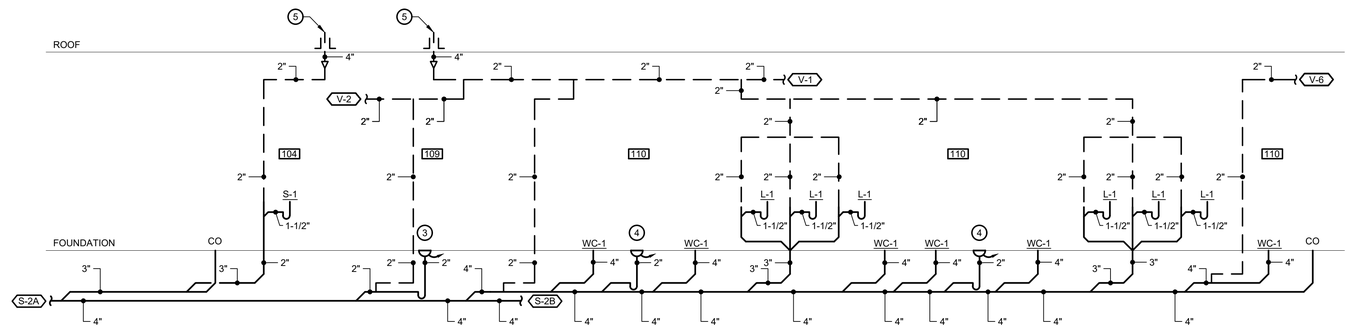
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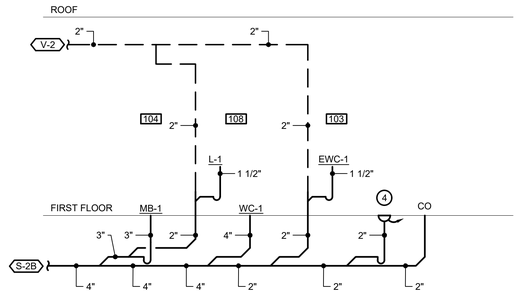
1 SANITARY (GREASE) RISER DIAGRAM
NO SCALE



2 SANITARY RISER DIAGRAM
NO SCALE



3 SANITARY RISER DIAGRAM
NO SCALE



4 SANITARY RISER DIAGRAM
NO SCALE

GENERAL NOTES:

1. REFER TO P001 FOR PLUMBING & FIRE PROTECTION LEGEND, ABBREVIATIONS AND PLUMBING AND SPRINKLER GENERAL NOTES.
2. REFER TO P002 FOR PLUMBING SCHEDULES.
3. ALL INDIRECT DRAINS SHALL DRAIN OVER DESIGNATED DRAIN RECEPTOR WITH AIR GAP. REFER TO KITCHEN EQUIPMENT SCHEDULE & PLAN DRAWING NOTES FOR INDIRECT DRAIN SIZE.

DRAWING NOTES:

1. FOR CONTINUATION, REFER TO CIVIL DRAWINGS.
2. 1,000 GALLON GREASE INTERCEPTOR. REFER TO P403 FOR DETAIL.
3. 4" FLOOR SINK WITH 1/2" TRAP PRIMING LINE.
4. 2" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
5. 4" VENT THROUGH ROOF.
6. 3" FUNNEL FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
7. 4" FLOOR DRAIN WITH 1/2" TRAP PRIMING LINE.
8. DRAIN PIPING FROM REVERSE OSMOSIS SYSTEM, REFER TO SCHEDULE.

ARL: G:\23127.01\Drawings\Acad\P\P302 SAN RISER

Plotted By: Rosa Flickinger | 5/13/2025 9:28 AM

SEAL

STATE OF MARYLAND — JOHN CHARLES ENGLER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

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BY:
DATE:

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CHKD BY: ACE

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS #1		3/19/25	
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE:	
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

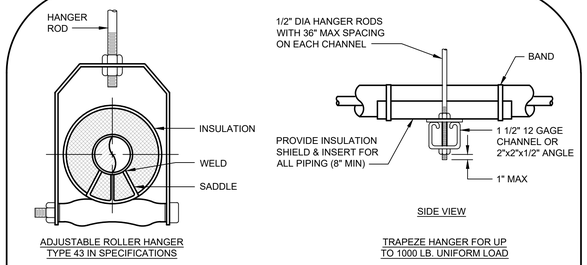
JACKSONVILLE SENIOR CENTER
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3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P302	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	154 OF 195
	DRAWING NUMBER
	2025-0371
	FILE NO.: 8

DWG. FILENAME

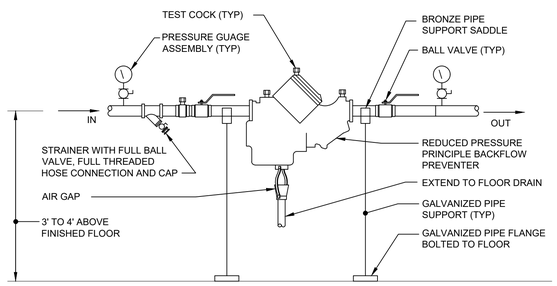
BID DOCUMENTS 05/15/2025
BKM# 23127.01



MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET										
NOM. SIZE (IN)	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
PIPE	7 FT	7	7	9	10	11	12	14	16	17
TUBING	5 FT	6	7	8	8	9	10	12	13	14

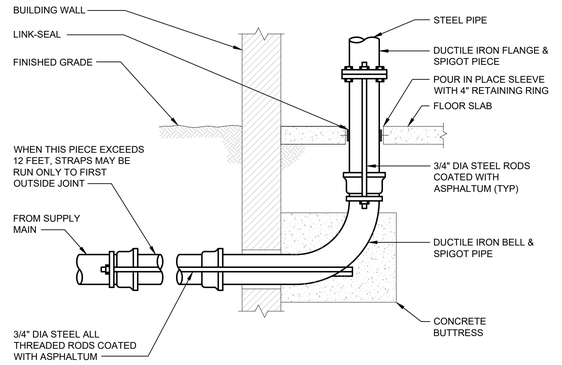
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

1 TYPICAL PIPE HANGERS DETAIL
NO SCALE PDD074

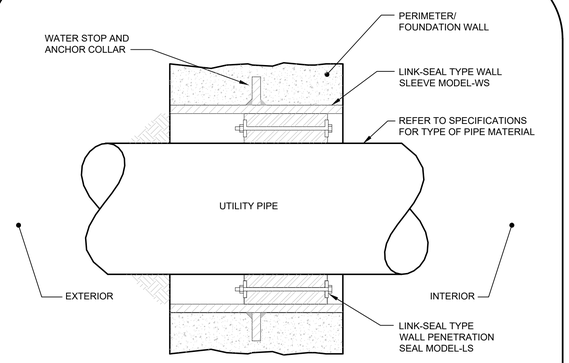


3/4" TO 2" APPLICATION

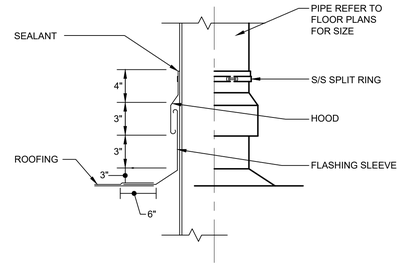
2 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER DETAIL
NO SCALE PDD020A



3 INCOMING WATER SERVICE DETAIL
NO SCALE PDD053

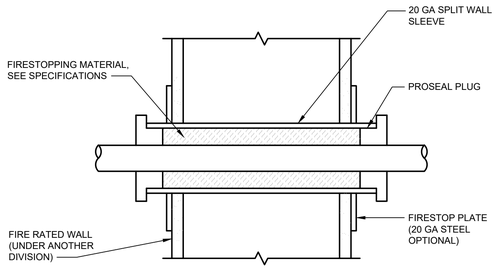


4 PIPE SLEEVE DETAIL (FOR PERIMETER WALLS ONLY)
NO SCALE PDD031

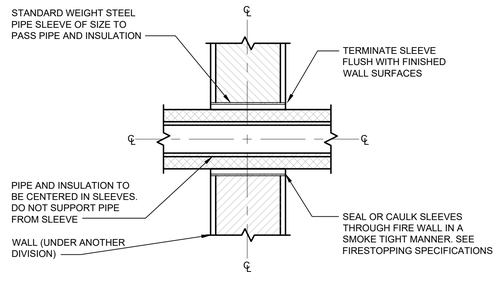


5 PIPE THRU ROOF DETAIL
NO SCALE PDD006

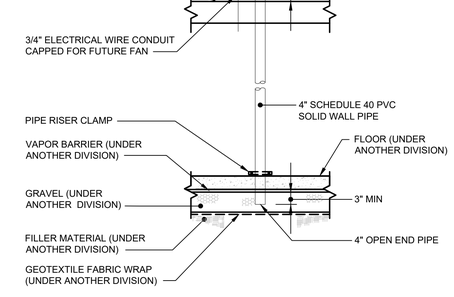
NOTES:
1. FLASHING METAL SHALL BE STAINLESS STEEL OR LEAD COATED COPPER.
2. INSTALL MAKE UP WATER PIPE IN PITCH POCKET.
3. SLEEVE SHALL MATCH ROOF STRUCTURE, SEAL AND MAKE WATER TIGHT.
4. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR ROOF CONSTRUCTION AND DETAILS OF ALL REQUIRED ROOF WORK INCLUDING BUT NOT LIMITED TO FLASHING AND COUNTER FLASHING OF CURBS, PENETRATIONS, ETC.



6 FIRE RATED SLEEVING SYSTEM DETAIL
NO SCALE PDD024



7 PIPE SLEEVE DETAIL
NO SCALE PDD038



8 TYPICAL RADON SYSTEM DETAIL
NO SCALE PDD069

NOTE:
ALL RADON PIPING, FITTINGS, ETC. SHALL BE PAINTED ORANGE.

DWG. RLEVANE

ARL: G:\23127.01\Drawings\Acad\P401 DETAILS

Plotted By: Rosa Flickinger | 4/10/2025 10:47 PM

SEAL: STATE OF MARYLAND — ROBERT CHARLES MURPHY — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 18528 EXPIRATION DATE: 07/27/26							UNE	79NE12 78NE12 78NE11	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: REF	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS		STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: REF	REVIEWED BY:									
BY: DATE:	CHKD BY: ACE	DATE REVIEWED:									

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLUMBING DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

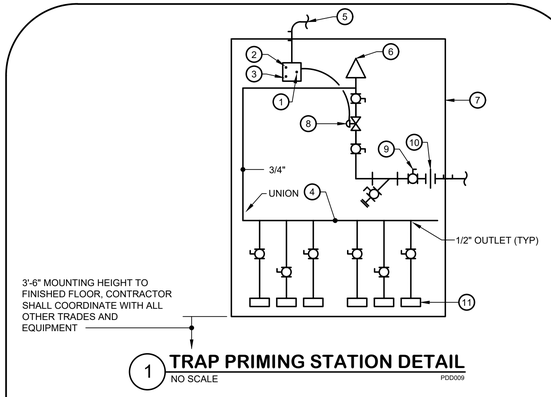
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P401	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	155 OF 195
	DRAWING NUMBER
	2025-0372
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



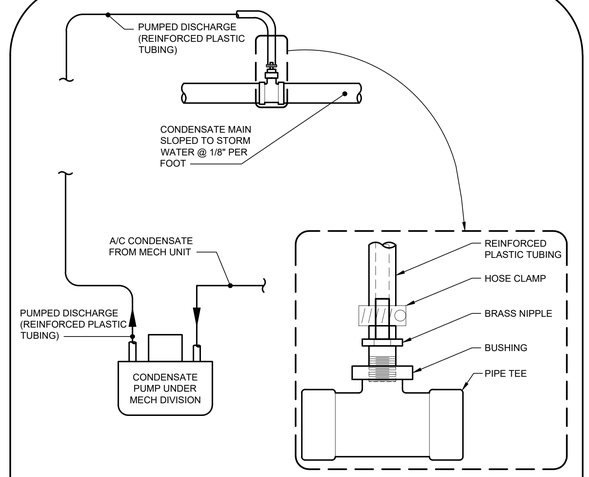
1 TRAP PRIMING STATION DETAIL
NO SCALE PDD009

GENERAL NOTES:

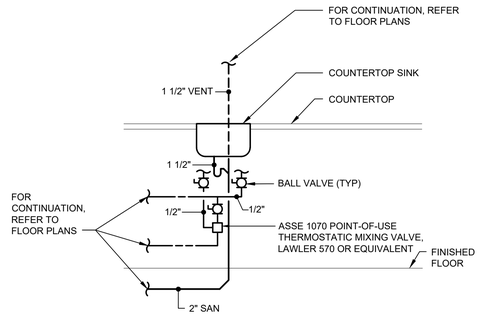
1. CONTRACTOR SHALL PROVIDE PPP-PT SERIES OR EQUIVALENT. ENCLOSED ELECTRONIC TRAP SEAL SYSTEM WITH BRONZE BODY, 1/2" FEMALE NPT BALL VALVE. ELECTRICAL BRASS BODY 1/2" SOLENOID VALVE, 3/4" TYPE "L" COPPER MANIFOLD WITH DISTRIBUTION UNITS WITH COMPRESSION CONNECTIONS FOR WATER DISTRIBUTION. ELECTRICAL COMPONENTS TO INCLUDE SINGLE POINT POWER CONNECTION AT 120V, MANUAL OVERRIDE SWITCH, MINIMUM 5 AMP BREAKER, 24 HOUR TIMER WITH RELAY AND ADJUSTABLE DELAY. ALL COMPONENTS TO BE FACTORY ASSEMBLED AND INSTALLED INTO A 16 GUAGE SATIN COATED STEEL BOX FOR RECESSED OR SURFACE MOUNTED INSTALLATION. ELECTRONIC COMPONENTS ARE TESTED AND CERTIFIED TO U.L. STANDARD #73 AND THE ENTIRE ASSEMBLY IS TESTED AND CERTIFIED TO THE ASSE 1044 STANDARD.

DRAWING NOTES:

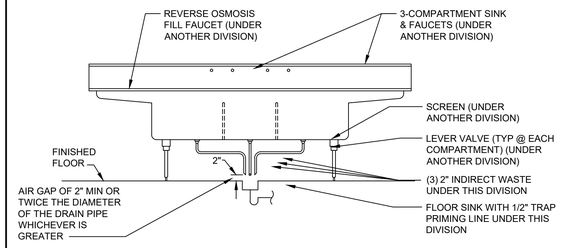
1. 24 HOUR TIMER WITH RELAY, TIMER SHALL OPERATE ONCE EVERY 24 HOURS FOR 15-20 SECONDS.
2. MANUAL OVERRIDE.
3. 5 AMP FUSE.
4. 3/4" TYPE L COPPER MANIFOLD. MANIFOLD SHALL BE DESIGNED FOR EQUAL WATER DISTRIBUTION TO ALL PORTS.
5. 120V CONNECTION.
6. ATMOSPHERIC VACUUM BREAKER.
7. 16 GAUGE SATIN COATED STEEL BOX 24x24x6, LOCKABLE HINGED, ACCESSIBLE PANEL TO ENCASE VALVE, MANIFOLD AND TUBING TO FLOOR DRAIN/SINK/ THROUGH TRAP. (RECESSED OR SURFACE MOUNTED AS INDICATED ON DRAWINGS).
8. ELECTRICAL SOLENOID VALVE.
9. 1/2" BALL VALVE FOR WATER SUPPLY.
10. UNION WITH INTERNAL REPLACABLE FILTER .
11. DISTRIBUTION UNITS (TYP).



2 A/C PUMPED CONDENSATE DETAIL
NO SCALE PDD039

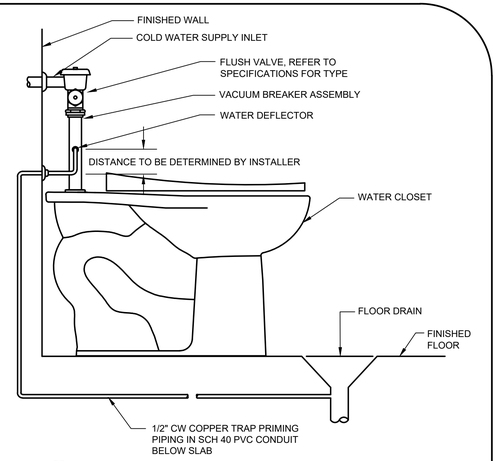


3 COUNTER SINK PIPING DETAIL
NO SCALE PDD035



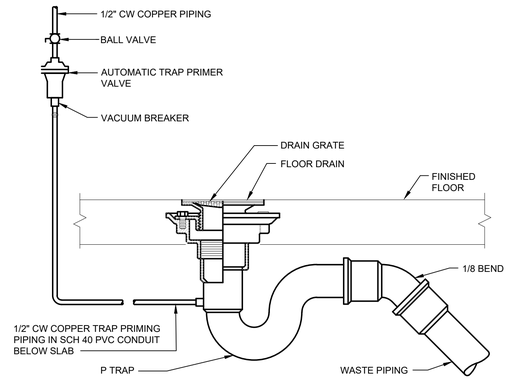
4 3-COMPARTMENT SINK CONNECTION DETAIL
NO SCALE

NOTE: ALL INDIRECT WASTE PIPING SHALL BE COPPER PIPE.



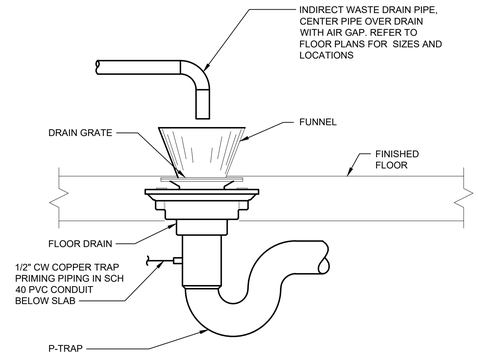
5 FLUSH VALVE PRIMER DETAIL
NO SCALE

NOTE: REFER TO MAUNFACTURER'S INSTALLATION INSTRUCTIONS FOR TRAP PRIMER ASSEMBLIES.



6 FLOOR DRAIN WITH TRAP PRIMING DETAIL
NO SCALE

NOTE: REFER TO MAUNFACTURER'S INSTALLATION INSTRUCTIONS FOR TRAP PRIMER ASSEMBLIES.



7 FUNNEL FLOOR DRAIN DETAIL
NO SCALE MDD083

ARL: G:\23127.01\Drawings\Acad\PP402 DETAILS

Plotted By: Rosa Flickinger | 4/10/2025 10:46 PM

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE:	
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY:	REF
DWN BY:	REF
CHKD BY:	ACE

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

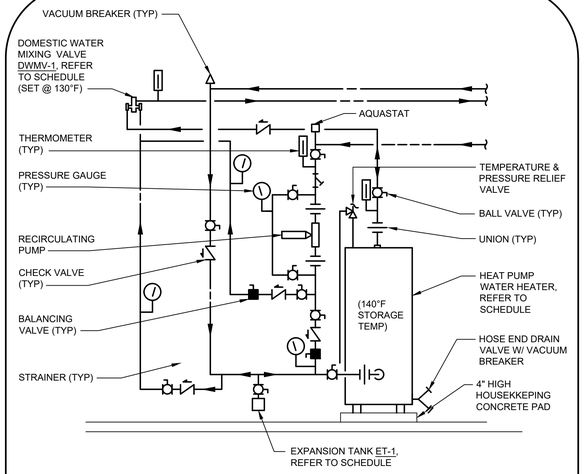
JACKSONVILLE SENIOR CENTER
PLUMBING DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P402	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	156 OF 195
	DRAWING NUMBER
	2025-0373
	FILE NO.: 8

DWG. FILENAME

BID DOCUMENTS 05/15/2025
BKM# 23127.01

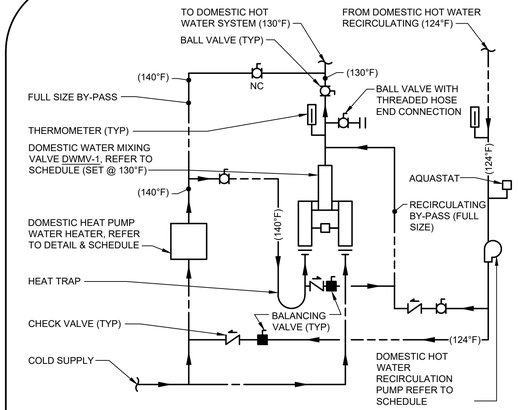


1 HEAT PUMP WATER HEATER SCHEMATIC DETAIL

NO SCALE

PDD012

NOTE: CONTRACTOR SHALL REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PIPING ARRANGEMENT. REFER TO FLOOR PLANS FOR SIZING AND BALANCE VALVE SETTINGS.

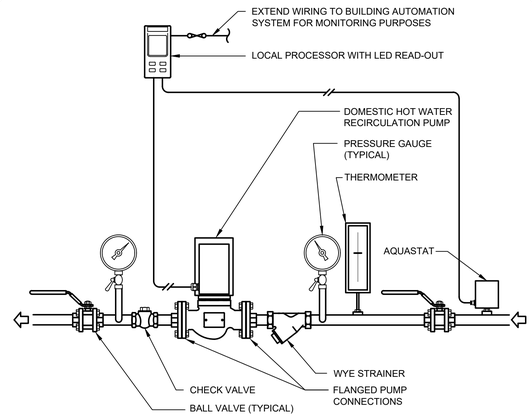


2 MIXING VALVE PIPING DETAIL

NO SCALE

PDD066C

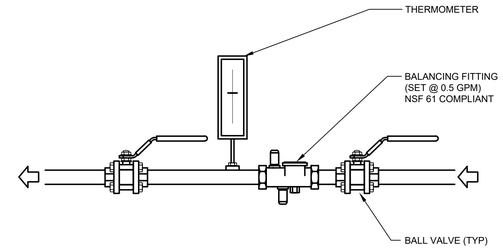
NOTE: CONTRACTOR SHALL REFER TO THE MIXING VALVE MANUFACTURER'S RECOMMENDATIONS FOR THE PIPING SIZING AND BALANCE VALVE SETTINGS.



3 DOMESTIC HOT WATER RECIRCULATION PUMP STATION DETAIL

NO SCALE

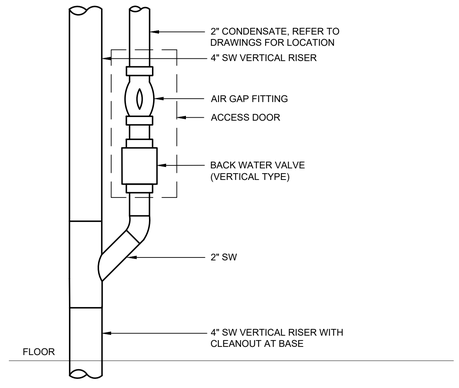
PDD059



4 DOMESTIC HOT WATER RECIRCULATION BALANCING FITTING DETAIL

NO SCALE

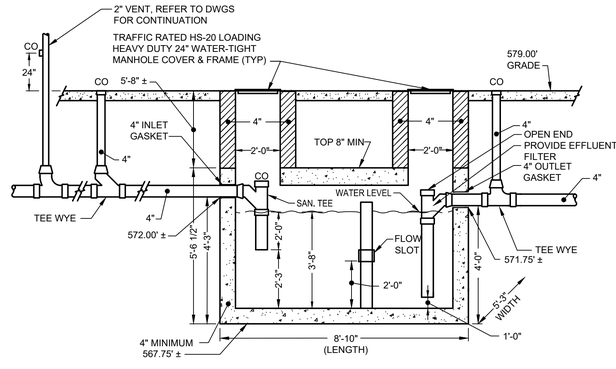
NOTE: REFER TO FLOOR PLANS FOR EXACT LOCATION AND PIPE SIZE.



5 CONDENSATE DRAIN CONNECTION DETAIL

NO SCALE

NOTE: AIR GAP FITTING & BACKWATER VALVE MUST BE INSTALLED IN READILY ACCESSIBLE CHASE WITH ACCESS DOOR OR IN AN ACCEPTABLE EXPOSED LOCATION.



6 GREASE INTERCEPTOR DETAIL

NO SCALE

FPD049B

NOTES:
1. CAPACITY: LARGE INTERCEPTOR 1000 GALLON TRAFFIC RATED.
2. GENERAL: INSTALL INTERCEPTORS AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, LOCAL HEALTH DEPARTMENT REGULATIONS, PLUMBING CODE AND ALL OTHER APPLICABLE CODES.
3. PIPING: CONNECT INLET AND OUTLET PIPING TO INTERCEPTORS.
4. CONCRETE STRENGTH SHALL BE 4,500 PSI @ 28 DAYS AND DENSITY 150 PCT.
5. CEMENT-PORTLAND TYPE 1/11 PER ASTM C-260-86 AND 494-92.
6. REINFORCING PER ASTM A615, GRADE 60, DOMESTIC REBAR MIN. 1 1/2" COVER, WALLS, BASE, TOP SLAB, LIDS & COVERS DESIGNED FOR AASHTO HS-20 LOADING.
7. TOP SLAB SHALL BE SEALED WITH BUTYL ROPE MASTIC ASTM C990.
8. PROVIDE EFFLUENT FILTER IN OUTLET PIPING.

DWG. FILENAME

ARL: G:\23127.01\Drawings\Acad\P-P403 DETAILS

Plotted By: Ross Flickinger 5/13/2025 10:53 AM

SEAL

STATE OF MARYLAND — ROSS CHARLES FLICKINGER — No. 18528 — PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18528 EXPIRATION DATE: 07/27/26

ENGINEER: BURDETTE KOEHLER MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: REF

DWN BY: REF

CHKD BY: ACE

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PLUMBING DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
P403	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	157 OF 195
	DRAWING NUMBER
	2025-0374
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01

ELECTRICAL LEGEND

DRAWING SYMBOLS

- DRAWING NOTE (APPLIES TO THIS DRAWING ONLY)
- DETAIL, SECTION OR ELEVATION NUMBER / DRAWING NUMBER
- REVISION NUMBER - CLOUDED AREA ON DRAWING CONTAINS REVISION
- LIGHT SEQUENCE NUMBER (APPLIES TO LIGHTING ONLY)

DEMOLITION SYMBOLS

- EXISTING ELECTRICAL CIRCUIT TO BE REMOVED
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
- EXISTING ELECTRICAL CIRCUIT TO REMAIN
- EXISTING ELECTRICAL EQUIPMENT TO REMAIN
- TOGGLE SWITCH TO BE DEMOLISHED

ELECTRICAL POWER PLAN SYMBOLS

- ELECTRICAL CIRCUIT - 2 #12, 1 #12 GW IN 3/4" CONDUIT, UON
- HOMERUN TO PANELBOARD - ARROWS INDICATE NUMBER OF CIRCUITS. SLASHES INDICATE CIRCUIT CONDUCTORS NO SLASH INDICATES TWO CIRCUIT CONDUCTORS. PROVIDE GROUNDING CONDUCTOR, NOT SHOWN
- ELECTRICAL CIRCUIT CONCEALED BELOW GRADE OR FINISHED FLOOR
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- JUNCTION BOX: CEILING, WALL OR FLUSH-FLOOR MOUNTED
- GFCI WP xx" — DUPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN RECESSED OUTLET BOX, 18" AFF, UON:
  - xx" - DENOTES MOUNTING HEIGHT,
  - WP - WEATHERPROOF, MW - MICROWAVE,
  - RE - REFRIGERATOR, CM - COFFEE MAKER,
  - DW - DISHWASHER, TV - TELEVISION
  - GFCI - GROUND FAULT CIRCUIT INTERRUPTER
  - EWC - ELECTRIC WATER COOLER
- AUTOMATICALLY CONTROLLED OUTLET
- DUPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTERTOP BACK SPLASH UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN SURFACE OUTLET BOX, 18" AFF, UON
- TWO DUPLEX RECEPTACLES WITH COMMON FACEPLATE 2P, 3W, 20A, 125V, NEMA 5-20R IN RECESSED TWO-GANG OUTLET BOX, 18" AFF, UON
- TWO DUPLEX RECEPTACLES WITH COMMON FACEPLATE IN SURFACE OUTLET BOX, 18" AFF, UON
- MULTI-OUTLET ASSEMBLY
- DUPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN FLUSH MOUNTED OUTLET BOX - FLOOR, CEILING
- TWO DUPLEX RECEPTACLES WITH COMMON FACEPLATE 2P, 3W, 20A, 125V, NEMA 5-20R IN FLUSH MOUNTED TWO-GANG OUTLET BOX - FLOOR, CEILING
- SPECIAL RECEPTACLE, 18" AFF UON (TYPE AS NOTED)
  - A - SERVER RACK: NEMA 'L5-20R' RECEPTACLE
  - B - SERVER RACK: NEMA 'L5-30R' RECEPTACLE
- T — TRANSFORMER, TYPE AS NOTED ON DRAWING
- C — CEILING MOUNTED CORD REEL
- PANELBOARD, RECESSED OR SURFACE MOUNTED
- ELECTRICAL MOTOR
- S_M — MOTOR SWITCH WITH THERMAL OVERLOAD
- EMERGENCY PUSHBUTTON OFF SWITCH
- COMBINATION MAGNETIC MOTOR STARTER WITH MCP OR FUSIBLE DISCONNECT SWITCH
- MAGNETIC MOTOR CONTROLLER/STARTER
- VFD — VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT
- 100/80 — FUSED DISCONNECT SWITCH, UPPER NUMERAL INDICATES SWITCH SIZE, LOWER NUMERAL INDICATES FUSE SIZE
- 60 — NONFUSED DISCONNECT SWITCH, NUMERAL INDICATES SIZE
- HARD-WIRED CONNECTION
- ECB — ENCLOSED CURCUIT BREAKER

ELECTRICAL POWER RISER SYMBOLS

- 90A — FUSE - NUMERAL INDICATES FUSE AMPERE RATING
- 90A — LOW VOLTAGE MOLDED CASE CIRCUIT BREAKER, RATING AS INDICATED, SEE SCHEDULE FOR TYPE AND ACCESSORIES
- 90A — COMBINATION CIRCUIT BREAKER AND FUSE USED IN FUSED COORDINATION PANELBOARD.
- 100AF / 90AT — LOW VOLTAGE DRAW-OUT CIRCUIT BREAKER, UPPER NUMBER INDICATES FRAME SIZE, LOWER NUMBER INDICATES TRIP RATING, SEE SCHEDULE FOR TYPE AND ACCESSORIES
- TRANSFORMER, TYPE AS NOTED ON DRAWING
- AUTOMATIC TRANSFER SWITCH
- M — METER
- R — RELAY COIL
- ST — SHUNT TRIP COIL
- PIECE OF EQUIPMENT WITH FACTORY INSTALLED MOTOR CONTROLLER
- G G — INDICATING LAMP: GREEN AND RED
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- 3 PHASE DELTA CONNECTION
- 3 PHASE WYE CONNECTION WITH GROUNDED NEUTRAL
- GROUNDING
- A AS — AMMETER, AMMETER SWITCH
- V VS — VOLTMETER, VOLTMETER SWITCH
- M — WATT / HOUR METER
- EG — ENGINE-DRIVEN GENERATOR

LIGHTING PLAN SYMBOLS

- A 1 / a — UPPER CASE - FIXTURE TYPE (TYPICAL FOR ALL LIGHTING FIXTURES) - SEE LIGHTING FIXTURE SCHEDULE; NUMERICAL INDICATES CIRCUIT NUMBER; LOWER CASE - INDICATES CONTROLLING SWITCH(ES) (TYPICAL FOR ALL LIGHTING FIXTURES)
- LIGHTING FIXTURE: DOWNLIGHT, 2' x 4' & 2' x 2'
- LINEAR LIGHTING FIXTURE
- LINEAR LIGHTING FIXTURE, INDUSTRIAL TYPE
- LIGHTING FIXTURE ON EMERGENCY CIRCUIT / BATTERY BACKUP
- LIGHTING FIXTURE, WALL WASHER - SEE LIGHTING FIXTURE SCHEDULE
- LIGHTING FIXTURE, WALL MOUNTED - SEE LIGHTING FIXTURE SCHEDULE
- TRACK LIGHTING - SEE LIGHTING FIXTURE SCHEDULE
- EXIT LIGHT - DARKENED SECTION INDICATES FACE WITH DIRECTIONAL ARROWS AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE
- SELF-CONTAINED, BATTERY POWERED EMERGENCY LIGHT WITH TWIN LAMPHEAD. SEE LIGHTING FIXTURE SCHEDULE
- SITE LIGHTING FIXTURE, POLE MOUNTED. SEE LIGHTING FIXTURE SCHEDULE
- S_a — SINGLE POLE TOGGLE SWITCH - SUBSCRIPT INDICATES FIXTURES CONTROLLED BY THE SWITCH (TYPICAL FOR ALL LIGHTING SWITCHES), 48" AFF, UON:
  - 3 - THREE WAY TOGGLE SWITCH,
  - 4 - FOUR WAY TOGGLE SWITCH,
  - D - DIMMER SWITCH, K - KEY SWITCH,
  - P - PILOT LIGHT, T - TIMER,
  - O - WALL MTD. OCCUPANCY SENSOR,
  - WP - WEATHERPROOF, LV - LOW VOLTAGE
- PC — PHOTOCELL CONTROL, INDOOR
- PC — PHOTOCELL CONTROL, OUTDOOR
- TC — TIME CLOCK
- OS OS — OCCUPANCY SENSOR - CEILING MOUNTED, WALL MOUNTED

FIRE ALARM SYMBOLS

- CLG 15 — FIRE ALARM VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. CLG - DENOTES CEILING MOUNTED.
- CLG 15 — FIRE ALARM SPEAKER WITH VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. CLG - DENOTES CEILING MOUNTED.
- FIRE ALARM MANUAL STATION, 48" AFF, UON
- FIRE ALARM HEAT DETECTOR
- FIRE ALARM SMOKE DETECTOR
- SPRINKLER VALVE POSITION (TAMPER) SWITCH
- SPRINKLER FLOW SWITCH
- SPRINKLER PRESSURE SWITCH
- E — SMOKE DETECTOR: E - DENOTES ELEVATOR SERVICE
- FSD — SMOKE DETECTOR, DUCT TYPE. FSD - DENOTES FIRE/SMOKE DAMPER TYPE.
- G — FIRE ALARM BELL / GONG
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
- FACP — FIRE ALARM CONTROL PANEL
- FAP — FIRE ALARM ANNUNCIATOR PANEL
- MM — FIRE ALARM ADDRESSABLE MONITOR MODULE
- CM — FIRE ALARM ADDRESSABLE CONTROL MODULE
- DACT — DIGITAL ALARM COMMUNICATION TRANSMITTER

ELECTRICAL ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ANSI	AMERICAN NAT'L STANDARDS INSTIT.
ASYM	ASYMMETRICAL
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CTLR	CONTROLLER
CTR	CENTER
CTRL	CONTROL
CU	COPPER
CX	CONNECT TO EXISTING
DB	DIRECT BURIAL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
ELEC	ELECTRIC / ELECTRICAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FA	FIRE ALARM
FAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDR	FEEDER
F	FUSED OR FUSIBLE
FLA	FULL LOAD AMPERES
FSD	FIRE/SMOKE DAMPER
FSS	FUSED SAFETY SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GW	GROUND WIRE
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MT HT	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUF. ASSOC.
NF	NON-FUSED
NFSS	NON-FUSED SAFETY SWITCH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PH or Ø	PHASE
P	POLE
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RM	ROOM
RX	REMOVE EXISTING
SW	SWITCH
SCHED	SCHEDULE
SD	SMOKE DAMPER
SEC	SECONDARY
SFA	SPRINKLER FLOW ALARM
SS	SAFETY SWITCH
SYM	SYMMETRICAL
TEL	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERUPTIBLE POWER SYSTEM
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
VPS	VALVE POSITION (TAMPER) SWITCH
W	WIRE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
XFMR	TRANSFORMER

ARL: \\BKMA-DC11\Projects\23127.01\Drawings\Acad\E\E001 - ELECTRICAL LEGENDS, ABBREVIATIONS & GENERAL NOTES

Plotted By: Dylan Martinez | 4/10/2025 10:24 PM

DWG. RELEVANE

SEAL: STATE OF MARYLAND — RICHARD ADAM KOEHLER — 20513 — REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513 EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF

DWN BY: DAM

CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ELECTRICAL LEGEND AND ABBREVIATIONS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E001	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	158 OF 195
	DRAWING NUMBER
	2025-0375
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01

ELECTRICAL GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAME LIST.
2. DRAWINGS SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES AND DEVICES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR COLORS AND FINISHES FOR WIRING DEVICES AND COVERPLATES.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES. THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
6. REFER TO MECHANICAL PLANS FOR EXACT MECHANICAL EQUIPMENT LOCATION & ELECTRICAL CONNECTION REQUIREMENTS.
7. WHEREVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO ALL EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY THE OWNER.
8. IT IS THE INTENT OF THESE DRAWINGS THAT ALL NEW ELECTRICAL WORK TO BE INSTALLED IN FINISHED AREAS, BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. ANY AND ALL CUTTING AND PATCHING OF SURFACES SHALL BE PROVIDED BY THE CONTRACTOR. SURFACE METAL RACEWAYS SHALL BE PERMITTED IN FINISHED AREAS ONLY WHERE SPECIFICALLY APPROVED IN THE FIELD BY THE ARCHITECT.
9. PRIOR TO PURCHASE AND INSTALLATION OF ANY MOTOR CONTROL EQUIPMENT (STARTERS, ETC.), THE CONTRACTOR SHALL VERIFY THE ACTUAL MOTOR ELECTRICAL CHARACTERISTICS. STARTER OVERLOADS SHALL BE SIZED IN ACCORDANCE WITH THE ACTUAL MOTOR RUNNING LOAD AMPERES.
10. PROVIDE EQUIPMENT GROUNDING CONDUCTORS FOR ALL FEEDERS AND CIRCUITS.
11. WHERE CIRCUIT AND HOMERUN LINES ARE NOT SHOWN, PROVIDE MINIMUM 2#12+1#12 GROUND IN 3/4" CONDUIT. REFER TO BRANCH CIRCUIT WIRE SIZING CHART FOR SIZING OF CONDUCTORS FOR LONG CIRCUITS.
12. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHOWN ON THESE DRAWINGS HAVE BEEN SIZED BASED ON COPPER IN ACCORDANCE WITH 75° C (167° F) INSULATION TYPE. FOR OTHER TYPES OF CABLE, SIZE ACCORDING TO NEC 2020 TABLE 310.16 FOR PROPER AMPACITY.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING OF ANY FIRE RATED WALLS. WALL RECESSED ELECTRICAL BOXES THAT ARE ON OPPOSITE SIDES OF THESE RATED WALLS SHALL BE SEPARATED BY A MINIMUM OF 24". IF THIS SPACING CANNOT BE MET WHILE ADHERING TO PROJECT REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE LISTED PUTTY PADS OR PROVIDE SOME OTHER MEANS OF ADHERING TO IBC 2021 SECTION 714.4.2.
14. WHERE LIGHT SWITCHES ARE SHOWN GROUPED TOGETHER, THEY SHALL BE UNDER MULTIGANG PLATE. WHERE DIMMER SWITCHES ARE USED, SELECTION OF CAPACITY SHALL BE BASED ON LOAD SERVED AND ANY DE-RATING REQUIRED DUE TO GANGING OF SWITCHES.
15. ON THE ROOF, XHHW-2 CONDUCTORS SHALL BE USED.
16. CIRCUIT NUMBERS INDICATED ARE FOR CLARIFICATION OF GROUPING ONLY. ADJUST CIRCUIT NUMBERS TO COORDINATE WITH ACTUAL CIRCUIT BREAKERS USED.
17. PROVIDE TYPED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS TO INDICATE TYPE OF LOAD SERVED AND AREA SERVED (E.G. RECEPTACLES-OFFICE 201).
18. PROVIDE LABEL ON ALL RECEPTACLE COVER PLATES. LABEL SHALL INDICATE SOURCE PANEL & CIRCUIT NUMBER. COORDINATE WITH ARCHITECT & OWNER FOR DIRECTION ON WHETHER TO PUT LABEL ON FRONT OR BACK SIDE OF COVER PLATE. IF ON BACK SIDE OF COVER PLATE, USE PERMANENT, INDELIBLE, BLACK MARKER. IF ON FRONT OF COVER PLATE, PROVIDE LAMINATED POLYESTER, STICK-ON TYPE LABEL WITH BLACK LETTERING ON CLEAR BACKGROUND (SEE SPECIFICATION). FORMAT LABEL IS AS FOLLOWS: PANEL NAME - CIRCUIT NUMBER. IF BUILDING STANDARD IS ALREADY IN PLACE, USE THE BUILDING STANDARD IN LIEU OF THE LABELING CALLED FOR IN THIS NOTE. FOR ALL RECEPTACLES THAT ARE CONTROLLED BY AUTOMATIC MEANS, LABEL PER NEC 2023 ARTICLE 406.3(E).
19. CABLES AND CONDUITS RUN UNDER ROOF DECKING SHALL BE INSTALLED PER NEC 2023 300.4 (E).
20. ALL PANELBOARDS, ECB's, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE LABELED AS TO THEIR SOURCE AND IN ACCORDANCE WITH CLIENT STANDARDS.
21. MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS ARE SIZED BASED ON THE MECHANICAL BASIS OF DESIGN (BOD). IF OTHER MECHANICAL EQUIPMENT IS SUBMITTED THAT IS OTHERWISE EQUAL TO THE BOD, IT MAY BE APPROVED CONTINGENT ON THE REQUIREMENT THAT ANY ADDITIONAL ELECTRICAL COST, INCLUDING ANY POSSIBLE DESIGN AND/OR ENGINEERING COST, BE ABSORBED BY THE CONTRACTOR AT NO COST TO THE OWNER.
22. ALL EQUIPMENT TERMINATIONS SHALL BE RATED AT 75 DEGREES. IF ANY EQUIPMENT TERMINATIONS ARE RATED AT 60 DEGREES, CONTRACTOR SHALL DERATE CABLES TO 60 DEGREES PER NEC 2023 ARTICLE 110.14(C)(1)(a) AND NEC 2020 ARTICLE 310.15 AT NO COST TO THE OWNER.
23. ALL GFCI RECEPTACLES SHALL BE COORDINATED WITH EQUIPMENT LOCATIONS SO THAT RECEPTACLES ARE READILY ACCESSIBLE PER NEC. WHERE GFCI RECEPTACLES CANNOT BE LOCATED AS READILY ACCESSIBLE PER NEC, CONTRACTOR SHALL PROVIDE STANDARD RECEPTACLE AND PROTECT VIA AN UPSTREAM GFCI CIRCUIT.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMP	VOLTS	WATTS	LUMENS	COLOR TEMP.	MANUFACTURER CATALOG NO.	STOCK	NOTES
A1	2.4" LINEAR RECESSED	CR	LED	MVOLT	15	2560	3500K	INTERLUX LIGHTING WG-60PTLP-RPT-S-24-935-RML-80-P2-E1-W-W	NO ATTIC STOCK	
B1	2X2 RECESSED LED	CR	LED	MVOLT	18	2200	3500K	PMC LIGHTING QS-SC1234V-T-35K-220-2-2-RND-WHT-UNV	NO ATTIC STOCK	
B2	2X4 RECESSED LED	CR	LED	MVOLT	34	4400	3500K	PMC LIGHTING QS-SC1234V-T-35K-440-2-4-RND-WHT-UNV	NO ATTIC STOCK	
B3	1X4 SURFACE MOUNTED	CS	LED	MVOLT	25	2950	3000K	PRECISE LED STVW 4-25W 30K 2G CL	NO ATTIC STOCK	
B4	4' LED LINEAR STRIP	CC	LED	MVOLT	28	3000	3500K	LITHONIA CLX-L48-3000LM-SEF-L/LENS-MVOLT-GZ1-35K-80CRI-WH	NO ATTIC STOCK	
C1	LINEAR GRID MOUNTED DOWNLIGHT	CR	LED	MVOLT	21	2400	3500K	JLC TECH TBLX-MW-MO-4-24-D-U-W-UNV-CP	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
D1	RECESSED 3" DOWNLIGHT	CR	LED	MVOLT	9	1064	3500K	INTERLUX LIGHTING WG-75RPTDL-RBT-M-92-35-S-RRC-50-W-W-CP	NO ATTIC STOCK	
E1	3FT VANITY LIGHT FIXTURE	WS 6'	LED	MVOLT	15	2547	3500K	OXYGEN LIGHTING ADELPHI 3-537-35-15	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
F1	EXTERIOR WALLMOUNTED ACCENT LIGHT	WS 10'	LED	MVOLT	28	3731	3000K	MAXLITE WPOP28U-WCSBCR	NO ATTIC STOCK	
F2	EXTERIOR WALL MOUNTED	WS 10'	LED	MVOLT	20	1320	3000k	COOPERLIGHT 9003-W1-RW-LED3090-F-F-BZ-L2-UNIV-WIS	NO ATTIC STOCK	
G1	21" DIAMETER SUSPENDED LED	CC	LED	MVOLT	25	2500	3500k	LIGHT ART 3-COL-CON-RDOV-21D-VP-835CK-2500LM-NFL-LV01-STD-RWPC-WH	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
G2	27" DIAMETER SUSPENDED LED	CC	LED	MVOLT	25	2500	3500k	LIGHT ART 2-COL-CON-RDOV-27D-VP-835CK-2500LM-NFL-LV01-STD-RWPC-WH	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
H1	ACOUSTICAL DECORATIVE FIXTURES	CC	LED	MVOLT	25	2500	3500k	LIGHT ART 23-ACC-SHPE-ECHO-EALT12-B-CT-EP-835CK-2500LM-FL-LV01-STD-WPC-WH	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
H2	ACOUSTICAL DECORATIVE FIXTURES	CC	LED	MVOLT	25	2500	3500k	LIGHT ART 5-ACC-SHPE-ECHO-E3512-B-NI-EP-835CK-2500LM-FL-LV01-STD-WPC-WH	2 ATTIC STOCK OR 10% WHICHEVER IS GREATER. INCLUDE 5 DRIVERS	
JI	FLAGPOLE FLOOD LIGHT	GROUND	LED	MVOLT	11	592	3000k	LITHONIA OLBF-8-30K-DDB	NO ATTIC STOCK	
J2	OUTDOOR LIGHT POLE FIXTURES	P	LED	MVOLT	145	22009	3000K	ENVISIONLED #LED-ARL3-5P150-TRI-BL-UNV-IV POLE: LITHONIA #SSS-30'-5C-DBLXD	NO ATTIC STOCK	
K1	CYLINDER 8" APERATURE	CC	LED	MVOLT	116	15000	3500k	PMC LIGHTING 8LECMX3-150-P-35-M-D-U-W-SOL-W	NO ATTIC STOCK	
⊠	CYLINDER 8" APERATURE	CC	LED	MVOLT	45	6000	3500k	PMC LIGHTING 8LECMX3-060-P-35-M-D-U-W-SOL-W	NO ATTIC STOCK	
	EXIT SIGN	-	LED	-	-	-	-	LITHONIA EDG-G	NO ATTIC STOCK	1

MOUNTING:

CS - CEILING, SURFACE	WS# - WALL MTD, SURFACE, # FEET AFF
CR - CEILING, RECESSED, ACT	WR# - WALL MTD, RECESSED, # FEET AFF
CC# - CEILING, SUSPENDED, # FEET AFF	UC - UNDER CABINET
CG - CEILING, RECESSED, GYPSUM BOARD	P - POLE MOUNTED

GENERAL NOTES:

1. "E" FOLLOWING THE FIXTURE TYPE DESIGNATION SHOWN ON THE LIGHTING FLOOR PLAN INDICATES THE FIXTURE SHALL BE CONNECTED TO AN EMERGENCY POWER CIRCUIT.
2. WIRE EXIT SIGN LIGHT FIXTURES AHEAD OF CONTROLS.
3. WHERE COMPLIANT, LIGHT FIXTURES CAN BE PROVIDED BY EQUAL MANUFACTURER. REFER TO SPECIFICATION 265100 FOR MORE INFORMATION.

LIGHTING FIXTURE NOTES:

1. PROVIDE MOUNTING TYPES, DIRECTIONAL ARROWS AND FACE QUANTITIES (SINGLE / DOUBLE) AS INDICATED ON DRAWING.
2. OUTDOOR LIGHT POLE SHALL MATCH EXISTING POLES TO BE RE-USED. COORDINATE EXACT POLE TYPE, HEIGHT, FINISH, ETC WITH EXISTING POLE AND OWNER PRIOR TO PURCHASE.

BRANCH CIRCUIT WIRE SIZING

(20 AMPERE SINGLE PHASE CIRCUITS) (1) (4)

(5) LENGTH OF RUN	HOMERUN SIZE (2)	CIRCUIT WIRE SIZE (3)
120 VOLT SYSTEM		
0' - 50'	#12	#12
50' - 100'	#10	#12
100' - 175'	#8	#10
175' - 300'	#6	#8
208 OR 240 VOLT SYSTEM		
0' - 125'	#12	#12
125' - 200'	#10	#12
200' - 300'	#8	#10
277 VOLT SYSTEM		
0' - 150'	#12	#12
150' - 275'	#10	#12
275' - 400'	#8	#10

WIRE SIZING CHART NOTES:

(1) WIRING FOR BRANCH CIRCUITS PROTECTED BY 20 AMPERE OVERCURRENT PROTECTIVE DEVICES SHALL BE SIZED IN ACCORDANCE WITH THE ABOVE TABLE (UON). WIRING FOR OTHER BRANCH CIRCUITS SHALL BE SIZED AS SHOWN ON DRAWINGS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED THE SAME AS THE HOMERUN/CIRCUIT CONDUCTOR.

(2) HOMERUN LENGTH SHALL BE FROM THE PANELBOARD TO THE CLOSEST OUTLET, DEVICE OR FIXTURE ON THE CIRCUIT.

(3) CIRCUIT LENGTH SHALL BE FROM THE CLOSEST TO THE FARTHEST OUTLET, DEVICE OR FIXTURE.

(4) PROVIDE CODE COMPLIANT MEANS OF REDUCING CONDUCTOR SIZE AS NEEDED FOR TERMINATIONS. PROVIDE ADDITIONAL JUNCTION BOXES, SPLICES, LUGS, ETC. AS NEEDED.

(5) LENGTH OF RUN REFERS TO THE LENGTH OF THE HOME RUN OR THE LENGTH OF THE CIRCUIT (WITH EACH DEFINED IN NOTES 2 & 3).

SEAL: STATE OF MARYLAND · RICHARD ADAM MURPHY · NO. 20513 · REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20513 EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC. DGN BY: JF

AS–BUILT PER RECORD PRINT BY: DATE: DWN BY: DAM

CHKD BY: RAM

DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ELECTRICAL GENERAL NOTES AND LIGHT FIXTURE SCHEDULE

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E002	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	159 OF 195
	DRAWING NUMBER
	2025-0376
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

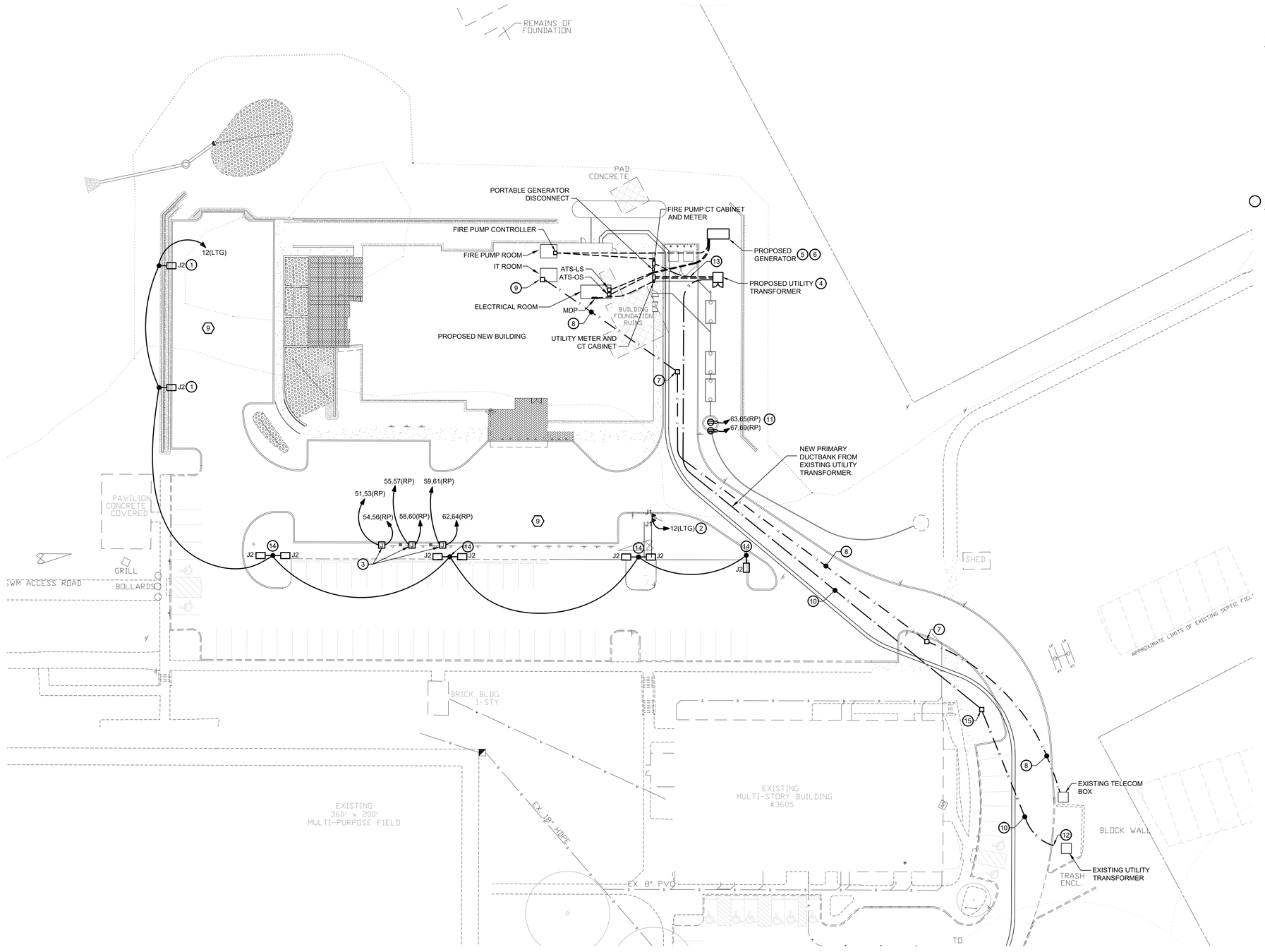
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BID DOCUMENTS 05/15/2025

BKM# 23127.01

ARL: \BKM\A-DC11\Projects\23127.01\Drawings\Acad\EE\E002 - GENERAL NOTES

Plotted By: Dylan Martinez | 5/12/2025 12:01 PM



1 ELECTRICAL - SITE PLAN - NEW WORK

SCALE: 1" = 30'-0"

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO E201 FOR ALL BUILDING MOUNTED LIGHTS.
3. ALL EXTERIOR SITE AND BUILDING MOUNTED LIGHT FIXTURES SHALL BE ROUTED TO PANEL VIA EXTERIOR LIGHTING TIMECLOCK LOCATION IN ELECTRICAL ROOM. TIMECLOCK SHALL BE PROGRAMMED TO MATCH EXISTING SITE LIGHTING FIXTURES TO REMAIN.
4. CONTRACTOR SHALL PROVIDE TEMPORARY PARKING LOT LIGHT FIXTURES WHEN EXISTING PARKING LOT LIGHT FIXTURES ARE DEMOLISH. LIGHT FIXTURES SHALL BE PROVIDED WITH LENS SHIELDING AND PROVIDE COMPRABLE LIGHT LEVELS TO EXISTING LIGHTING. CONTRACTOR SHALL PROVIDE SUBMITTAL FOR PROPOSED LIGHT FIXTURE DURING CONSTRUCTION. TEMPORARY LIGHT FIXTURES SHALL BE UTILIZED UNTIL PERMANENT LIGHT FIXTURES ARE OPERATIONAL.

○ DRAWING NOTES:

1. PROVIDE PARKING LOT LIGHT FIXTURE TYPE J2 AND POWER FROM PANEL LTG. SEE LIGHTING SCHEDULE ON E002 FOR MORE INFORMATION. REFER TO E602 FOR POLE MOUNTING DETAILS. PROVIDE (2)#10AWG + (1)#10GND IN 3/4"C. LIGHT POLE SHALL MATCH EXISTING POLES TO BE RE-USED. COORDINATE EXACT POLE TYPE, HEIGHT, FINISH, ETC WITH EXISTING POLE AND OWNER PRIOR TO PURCHASE.
2. PROVIDE FLAGPOLE LIGHTS TYPE J1 AND POWER TO PANEL LTG. CIRCUIT SHALL BE ROUTED THROUGH TIME CLOCK. SEE LIGHTING SCHEDULE ON E002 FOR MORE INFORMATION. PROVIDE (2)#10AWG + (1)#10GND IN 3/4"C.
3. PROVIDE POWER CONNECTION FOR DUAL CAR CHARGING STATION BY BLINK SERIES 8 EV OR EQUAL. SEE DETAIL 4 ON E603 FOR MOUNTING DETAILS. PROVIDE (3)#4AWG + (1)#8GND IN 1-1/2"C.

   ALTERNATE 08: PROVIDE METERING FOR CAR CHARGING CIRCUITS.
4. PROPOSED UTILITY TRANSFORMER PROVIDED BY UTILITY COMPANY. PROVIDE UTILITY TRANSFORMER PAD AS REQUIRED. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH BGE PRIOR TO STARTING CONSTRUCTION.
5. PAD MOUNTED DIESEL GENERATOR WITH 6 HOUR FUEL BELLY TANK. GENERATOR SHALL BE PROVIDED WITH WEATHERPROOF ENCLOSURE AND SOUND ATTENUATION PER SPECIFICATIONS. PROVIDE DIRECT BURIED CONDUITS FROM GENERATOR AS SHOWN A MINIMUM OF 24" BELOW FINAL GRADE.
6. PROVIDE LOAD CENTER PANEL LOCATED IN GENERATOR ENCLOSURE. LOAD CENTER PANEL SHALL BE PROVIDED BY GENERATOR MANUFACTURER PREWIRED FOR ALL ACCESSORY POWER CONNECTIONS INCLUDING BLOCK HEATER, BATTERY CHARGER, ENCLOSURE LIGHTS, AND RECEPTACLE. FEED FROM PANEL LS.
7. PROVIDE 24" X 24" X 24"D HANDHOLE.
8. PROVIDE (3) 4" TELECOM CONDUITS FOR SERVICE PROVIDER CABLES. PROVIDE PULL STRING IN ALL CONDUITS.
   - (1) CONDUIT FOR COMCAST
   - (1) CONDUIT FOR VERIZON
   - (1) CONDUIT FOR COUNTY
9. TELECOM DEMARCATION LOCATED IN IT ROOM 115. STUB UP CONDUITS 6" ABOVE FINISHED FLOOR. REFER TO T101 AND T301 FOR EXACT LOCATION.
10. PROVIDE (2) 4" CONDUITS WITH PULLSTRINGS FOR NEW PRIMARY ELECTRICAL SERVICE. ONE CONDUIT SHALL BE USED FOR BGE PROVIDED CONDUCTORS AND ONE CONDUIT SHALL REMAIN FOR SPARE. CONDUITS SHALL BE DIRECT BURIED 36" BFG MINIMUM.
11. PROVIDE POWER CONNECTION FOR DUPLEX PUMPS IN PUMP STATION. COORDINATE LOCATIONS AND FINAL TERMINATIONS WITH SEPTIC INSTALLER.
12. NEW ELECTRICAL CIRCUIT WILL BEGIN 5' AWAY FROM EXISTING TRANSFORMER. BGE TO PROVIDE FINAL TERMINATION INTO THE EXISTING TRANSFORMER. ELBOWS SHALL BE CONCRETE ENCASED. COORDINATE WITH BGE PRIOR TO INSTALLATION.
13. PROVIDE (3) 4" CONDUITS WITH PULL STRING FOR NEW SECONDARY ELECTRIC SERVICE. ONE CONDUIT SHALL CONTINUE TO FIRE PUMP METER. TWO CONDUITS SHALL CONTINUE TO UTILITY CABINET/METER. COORDINATE WITH BGE PRIOR TO INSTALLATION.
14. DEMOLISH EXISTING LIGHT FIXTURE. SALVAGE EXISTING POLE FOR REUSE IN NEW WORK. PROVIDE PARKING LOT LIGHT FIXTURES TYPE J2 AND POWER FROM PANEL LTG. SEE LIGHTING SCHEDULE ON E002 FOR MORE INFORMATION. REFER TO E602 FOR POLE MOUNTING DETAILS. PROVIDE (2)#10AWG + (1)#10GND IN 3/4"C.
15. PROVIDE 13KV SPLICE BOX FOR BGE CONDUCTORS. COORDINATE ALL REQUIREMENTS AND DIMENSIONS WITH BGE PRIOR TO INSTALLATION.

0 15' 30' 45' 60' 90'

SCALE: 1" = 30'-0"

DWG. RELEVANCE

ARL: \BKM\A-DC11\Projects\23127.01\Drawings\Acad\E\E003 - SITE PLAN

Plotted By: Dylan Martinez | 5/12/2025 12:17 PM

SEAL: RICHARD ADAM BURDETTE, STATE OF MARYLAND, 20513, REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513, EXPIRATION DATE: 07/17/26

CONTRACT COMPLETION BOX

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF

DWN BY: DAM

CHKD BY: RAM

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT: APPROVED BY: ____ PROPERTY MANAGER DATE: ____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ELECTRICAL - SITE PLAN - NEW WORK

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

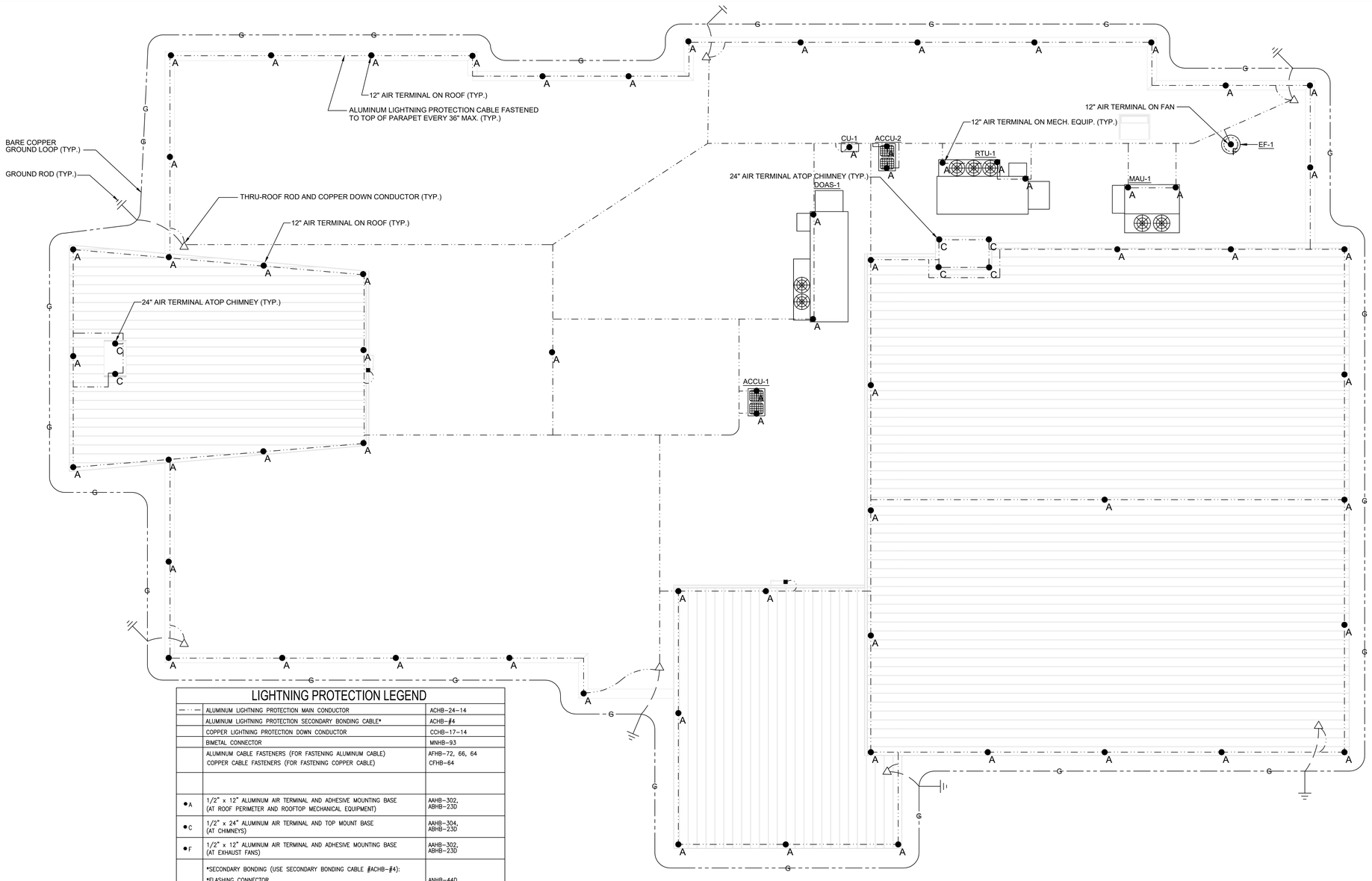
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E003	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	160 OF 195
	DRAWING NUMBER
	2025-0377
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



LIGHTNING PROTECTION LEGEND

	ALUMINUM LIGHTNING PROTECTION MAIN CONDUCTOR	ACHB-24-14
	ALUMINUM LIGHTNING PROTECTION SECONDARY BONDING CABLE*	ACHB-#4
	COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	CCHB-17-14
	BIMETAL CONNECTOR	MNHB-93
	ALUMINUM CABLE FASTENERS (FOR FASTENING ALUMINUM CABLE) COPPER CABLE FASTENERS (FOR FASTENING COPPER CABLE)	AFHB-72, 66, 64 CFHB-64
● A	1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE MOUNTING BASE (AT ROOF PERIMETER AND ROOFTOP MECHANICAL EQUIPMENT)	AAHB-302, ABHB-23D
● C	1/2" x 24" ALUMINUM AIR TERMINAL AND TOP MOUNT BASE (AT CHIMNEYS)	AAHB-304, ABHB-23D
● F	1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE MOUNTING BASE (AT EXHAUST FANS)	AAHB-302, ABHB-23D
	*SECONDARY BONDING (USE SECONDARY BONDING CABLE #ACHB-#4):	
	*FLASHING CONNECTOR	ANHB-44D
	*METAL ROOF DRAIN / GUTTER CONNECTOR	ANHB-160D
	*METAL VENT PIPE CONNECTOR	ANHB-42XD
△	THRU-ROOF ROD	SNHB-950
	ALUMINUM BONDING PLATE (AT ALUM. RTU & FANS)	APHB-54D
	CORROSION RESISTANT COPPER BONDING PLATE (TO TOP AND BOTTOM OF STEEL AT EACH DOWNLEAD)	PPHB-54D
	PIPE CLAMP (ANTENNAS, RAILINGS, ETC.)	CMHB-103D
	CABLE CONNECTOR	ANHB-44D, CNHB-44D
	STRAIGHT SPLICER	ARHB-26
	CROSSOVER CABLE CONNECTOR	AMHB-57XXX
	WATERLINE CONNECTOR (FIRE WATER & DOMESTIC WATER)	CMHB-97D
—||—	5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR	CGHB-106GR, CGHB-57D
—G—	BARE COPPER GROUND LOOP	CCHB-17-14

GENERAL NOTES:

1. REFER TO DRAWING E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. BOND ALL METALLIC NON CURRENT CARRYING MATERIALS WITHIN THE BOUNDS OF THIS PLAN TO GROUNDING ELECTRODES. MAKE CONNECTIONS UNDERGROUND AND USE EXOTHERMIC WELDS.
3. COORDINATE DOWNLEAD INSTALLATION WITH ARCHITECTURAL DRAWINGS. PROVIDE PENETRATION THROUGH PARAPETS WHERE POSSIBLE TO MINIMIZE ROOF PENETRATIONS.

DRAWING NOTES:

THE CONTRACTOR SHALL PROVIDE A DEDICATED ROOF LIGHTNING PROTECTION SYSTEM AS OUTLINED BELOW AND SPECIFIED. BASIS OF DESIGN IS HEARY BROS LIGHTNING PROTECTION.

1. LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED TO ENSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION BY AN APPROVED MASTER ELECTRICIAN AND UL LIGHTNING PROTECTION CERTIFIED INSTALLER.
2. ROOF LIGHTNING AIR TERMINALS AND GROUNDING SHALL BE LAID OUT AND INSTALLED BY CERTIFIED LIGHTNING PROTECTION INSTALLER AS REQUIRED BY LATEST EDITION OF NFPA 780.
3. PROVIDE OWNER WITH UL MASTER LIGHTNING PROTECTION CERTIFICATION LABEL.
4. LIGHTNING PROTECTION SYSTEM TO BE TESTED IN ACCORDANCE WITH UL 96 REQUIREMENTS.
5. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE. FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
6. AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS AND 20'-0" ALONG ROOF RIDGES AND PERIMETER. AIR TERMINALS SHALL BE LOCATED WITHIN 2'-0" OF OUTSIDE STRUCTURE EDGE, OUTSIDE CORNERS, AND RIDGE ENDS. MINIMUM PROJECTION ABOVE PROTECTED OBJECT IS 12 INCHES.
7. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTOR AND ENSURE THAT ALL BENDS HAVE AT LEAST AN 8 INCH RADIUS AND DO NOT EXCEED 90 DEGREES.
8. ATTACH ALL EXPOSED ROOF AND BONDING CABLES AT A MAXIMUM OF 3 FEET ON CENTER. VERIFY COMPATIBILITY OF ADHESIVE WITH MANUFACTURER ON ALL ROOF APPLICATIONS PRIOR TO INSTALLATION.
9. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
10. ALL BOLTS ON BOLT-PRESSURE CONNECTOS SHALL BE TORQUED AT 150 IN-LB (17N-m)
11. ALL CONNECTIONS MUST BE USED WITH UL LISTED CLASS I OR CLASS II CABLE OF THE SAME METAL TYPE.
12. BOND SMALL METAL BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDED.
13. BOND ALL LARGE METAL BODIES TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM. (I.E.; EXHAUST FANS, ROOF VENTS, METAL COOLING TOWERS, HVAC UNITS, LADDERS, RAILINGS, ANTENNAS, SKYLIGHTS, METAL STACKS, AND ANY OTHER LARGE METAL BODIES WHOSE HEIGHT EXCEEDS THAT OF ADJACENT AIR TERMINALS).
14. CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
15. BOND TO WATERLINES (DOMESTIC & FIRE).
16. A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH NFPA-70.
17. PROVIDE LIGHTNING PROTECTION CONNECTIONS TO ALL RTUS AND OTHER ROOF MOUNTED EQUIPMENT. REFER TO MECHANICAL ROOF PLANS FOR EQUIPMENT LOCATIONS.
18. TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.).
19. PROVIDE CERTIFICATION UPON COMPLETION OF INSTALLATION.
20. REFER TO LIGHTNING PROTECTION SPECIFICATIONS AND DETAILS ON E604 FOR ADDITIONAL INFORMATION.

DWG. RLEVANIE

ARL: \BKMA-DC11\Projects\23127.01\Drawings\Acad\E\E004 - LIGHTNING PROTECTION

Plotted By: Dylan Martinez | 4/10/2025 10:23 PM

SEAL: STATE OF MARYLAND · RICHARD ADAM BURDETTE · No. 20513 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20513 EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

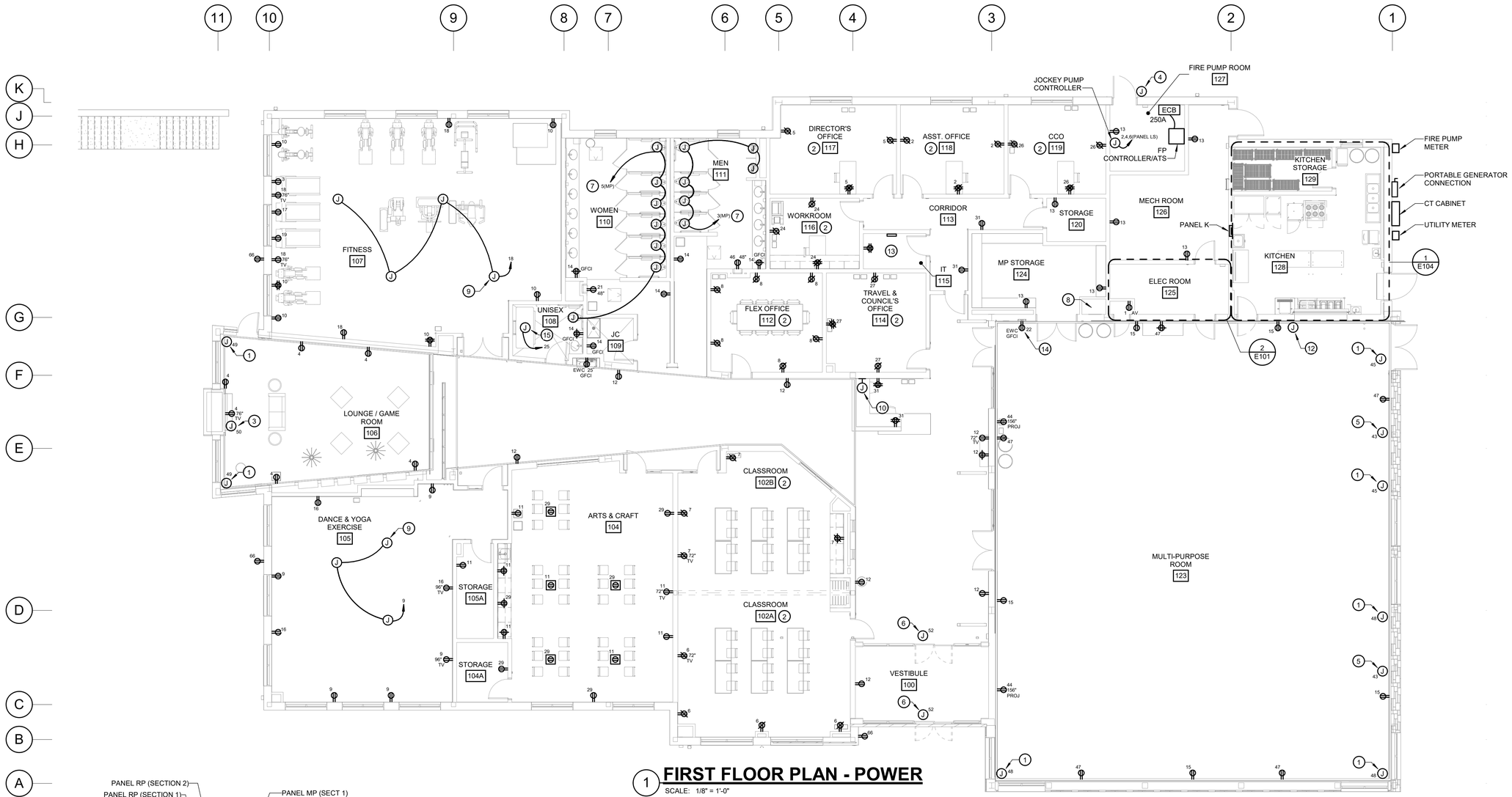
JACKSONVILLE SENIOR CENTER
OVERALL ROOF PLAN - LIGHTNING PROTECTION
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E004	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	161 OF 195
	DRAWING NUMBER
	2025-0378
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

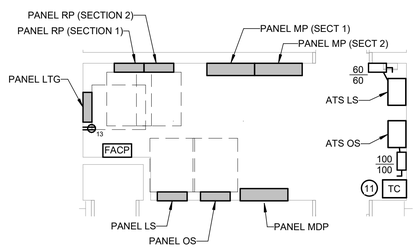
BID DOCUMENTS 05/15/2025
BKM# 23127.01



FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

1 FIRST FLOOR PLAN - POWER

SCALE: 1/8" = 1'-0"



2 PART PLAN - ELECTRIC ROOM

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL RECEPTACLES SHALL BE CIRCUITED TO PANEL RP.
3. COORDINATE MOUNTING HEIGHTS FOR ALL RECEPTACLES DESIGNATED FOR TV.
4. ALL RECEPTACLES ON EXTERIOR WALLS SHALL HAVE LOCKED COVERS.

DRAWING NOTES:

1. PROVIDE ELECTRICAL POWER CONNECTION FOR SHEER SHADES FOR UPPER AND LOWER WINDOWS.
2. ALL OUTLETS IN THIS ROOM SHALL HAVE 50% OF THE PLUGS CONTROLLED. DUPLEX OUTLETS HAVE 1 PLUG AUTOMATICALLY CONTROLLED. ROUTE REQUIRED HOT CONDUCTOR(S) THROUGH LIGHTING CONTROL SYSTEM POWER PACKS(S) TO PROVIDE AUTOMATICALLY SWITCHED RECEPTACLES. CONTRACTOR SHALL PROVIDE PERMANENTLY MARKED WITH THE WORD "CONTROLLED" PER NEC.
3. PROVIDE POWER CONNECTION FOR ELECTRIC FIRE PLACE.
4. PROVIDE POWER CONNECTION FOR FIRE ALARM WATER GONG MOUNT AT 8' AFG. SEE DETAIL 6 ON E602 FOR MORE INFORMATION
5. PROVIDE POWER CONNECTION FOR MOTORIZED PROJECTION SCREEN. COORDINATE WITH ARCH DRAWINGS FOR EXACT MOUNTING HEIGHT. PROVIDE SCREEN CONTROLLER AND FINAL TERMINATIONS FOR ALL COMPONENTS FOR A COMPLETE SYSTEM.
6. PROVIDE POWER CONNECTION FOR AUTOMATIC DOOR OPERATOR. COORDINATE WITH DOOR MANUFACTURER FOR ALL REQUIRED CONNECTIONS FOR A COMPLETE SYSTEM.
7. PROVIDE POWER CONNECTION FOR ALL TOILETS LOCATIONS. COORDINATE ALL POWER REQUIREMENTS WITH MANUFACTURER.
8. ELECTRICAL CONDUIT PATHWAYS SHALL BE LOCATED HERE TO FEED MECHANICAL EQUIPMENT ON ROOF AND POWER AT CEILING OF ROOM 123.
9. PROVIDE POWER FOR ALL CEILING FANS.
10. ELECTRICAL WIRING SHALL RUN CONCEALED WITHIN LOW WALL TO WORK STATIONS RECEPTACLE. COORDINATE WITH FURNITURE CONTRACTOR ON ELECTRICAL WIRING.
11. PROVIDE POWERLINK CONTROL MODULE MODEL AS4CT WITH ASTRONOMICAL DIAL CONTROL FUNCTION FOR EXTERIOR SITE LIGHTING.
12. PROVIDE POWER CONNECTION FOR MOTORIZED OVERHEAD DOOR AT PASS THRU.
13. REFER TO T301 FOR ELECTRICAL CIRCUIT DESIGNATIONS.
14. PROVIDE POWER FOR BOTTLE FILLER. COORDINATE EXACT LOCATION WITH PROVIDER.
15. CONTRACTOR SHALL PROVIDE CONTROL SWITCH AND EMERGENCY STOP BUTTON WITH ALL ASSOCIATED CONDUIT/WIRING BETWEEN ALL DEVICES FOR A COMPLETE SYSTEM, COORDINATE WITH VENDOR FOR MORE INFORMATION.

0 2 4 8 12
SCALE: 1/4" = 1'-0"

0 2 4 8 16 24
SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · RICHARD ADAM KEHLER · 20513 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513 EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FIRST FLOOR PLAN - POWER
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

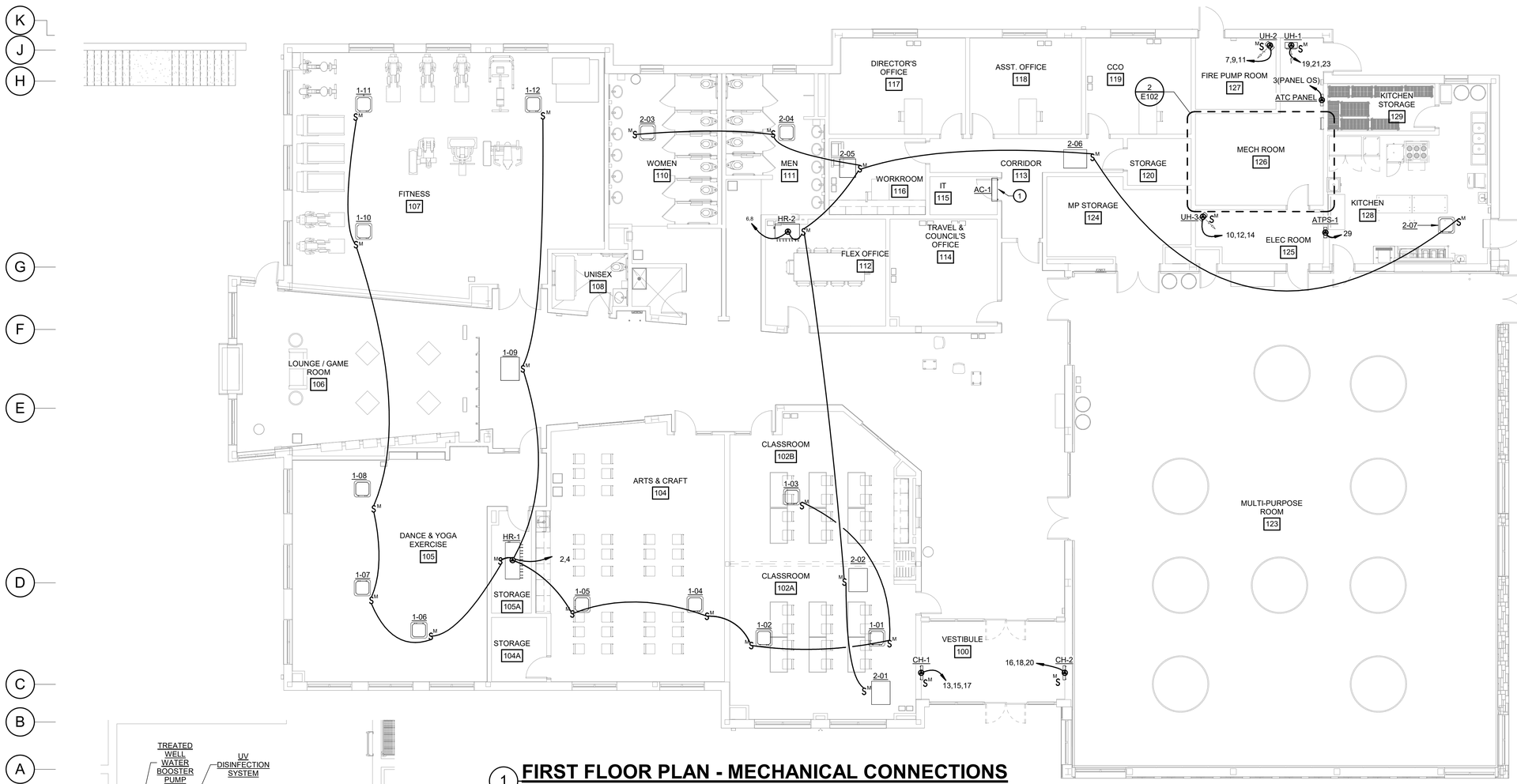
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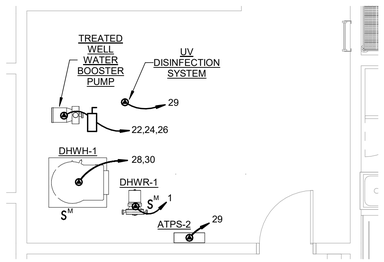
SHEET DESIGNATION	CONTRACT NUMBER
E101	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	162 OF 195
	DRAWING NUMBER
	2025-0379
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
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114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE





1 FIRST FLOOR PLAN - MECHANICAL CONNECTIONS

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT SHALL BE CIRCUITED TO MP. SEE MECHANICAL CONNECTION SCHEDULE ON DRAWING E501 FOR MORE DETAILS.

DRAWING NOTES:

1. INDOOR UNIT AC-1 IS POWERED BY OUTDOOR UNIT CU-1

2 PART PLAN - MECHANICAL ROOM

SCALE: 1/4" = 1'-0"

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · RICHARD ADAM BURDETTE · 20513 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.						UNE	79NE12	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.		CONTRACT COMPLETION BOX					78NE12	PROFILE SCALE:		DATE:
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: JF	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: DAM	REVIEWED BY:								
BY: DATE:	CHKD BY: RAM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - MECHANICAL CONNECTIONS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

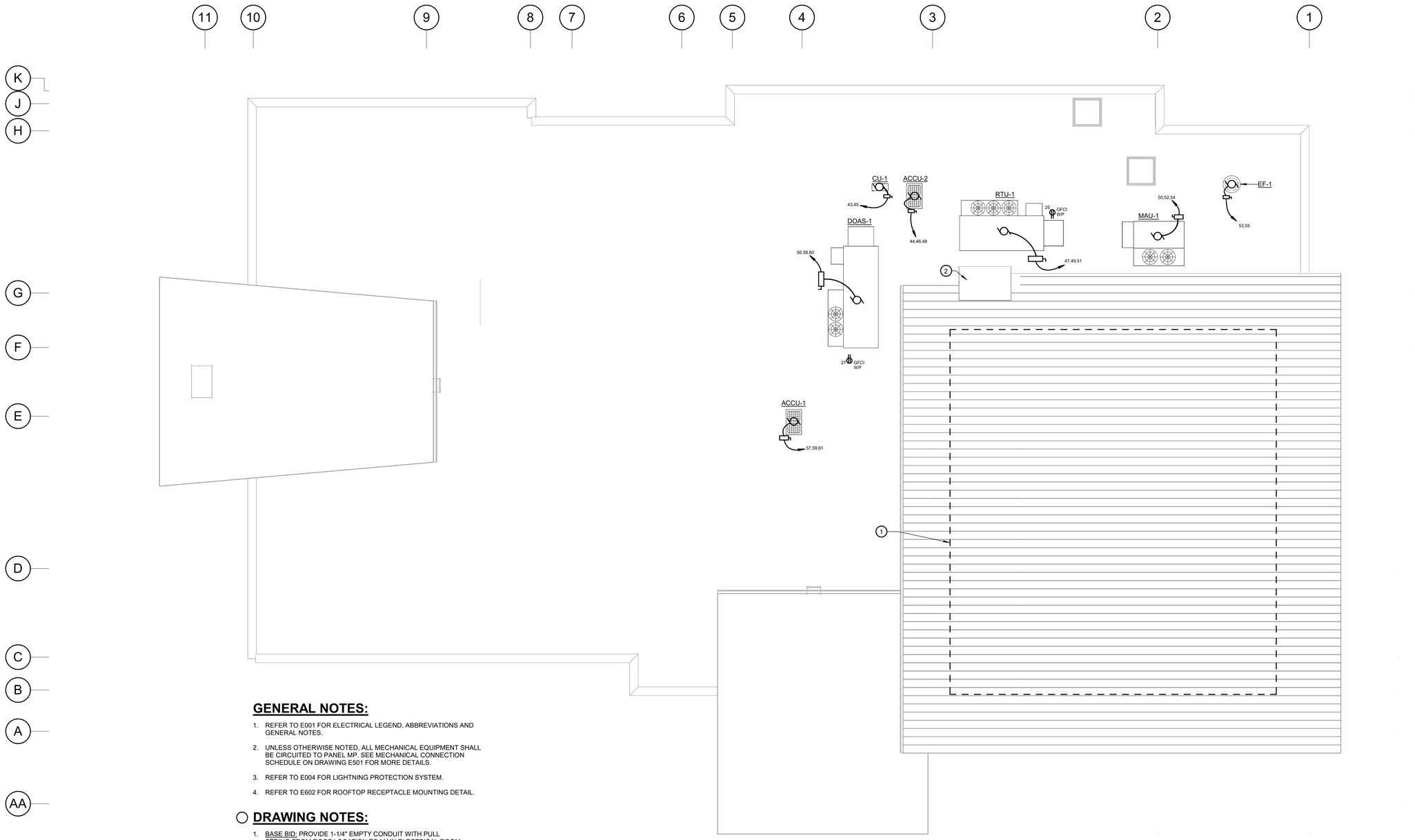
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E102	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	163 OF 195
	DRAWING NUMBER
	2025-0380
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



GENERAL NOTES:

1. REFER TO E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT SHALL BE CIRCUITED TO PANEL MP. SEE MECHANICAL CONNECTION SCHEDULE ON DRAWING E501 FOR MORE DETAILS.
3. REFER TO E004 FOR LIGHTNING PROTECTION SYSTEM.
4. REFER TO E602 FOR ROOFTOP RECEPTACLE MOUNTING DETAIL.

○ DRAWING NOTES:

1. BASE BID: PROVIDE 1-1/4" EMPTY CONDUIT WITH PULL STRING FROM ROOF LOCATION TO MAIN ELECTRICAL ROOM 125.

   ALTERNATE 01: CONTRACTOR SHALL PROVIDE AND INSTALL PHOTOVOLTAIC PANELS IN BOXED AREA. PV PANELS SHALL FILL ROOF AREA SHOWN. PROVIDE COMPLETE PV SYSTEM DESIGN AS REQUIRED BACK TO PANEL MDP. MINIMUM OF 30KW OUTPUT. REFER TO SPECIFICATIONS FOR MORE INFORMATION. THIS IS A TURN-KEY DESIGN AND INSTALLATION BY THE CONTRACTOR
2. PV INVERTER EQUIPMENT SHALL BE IN THIS AREA OF THE ROOF WITH CONDUITS TO ELECTRICAL ROOM DOWN THIS CHASE.

1 ROOF PLAN - POWER

SCALE: 1/8" = 1'-0"

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · RICHARD ADAM RUSH · No. 20513 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS--BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF

DWN BY: DAM

CHKD BY: RAM

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ROOF PLAN - POWER

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

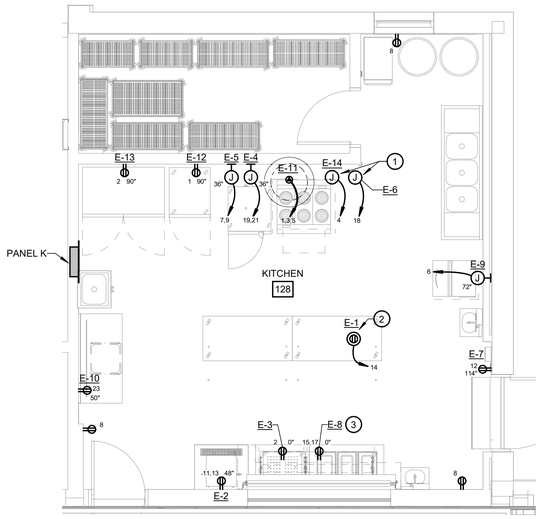
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E103	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	164 OF 195
	DRAWING NUMBER
	2025-0381
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 PART PLAN - KITCHEN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. ALL RECEPTACLES IN KITCHEN SHALL BE GFCI TYPE AND CIRCUITED TO PANEL K UNLESS OTHERWISE NOTED. COORDINATE GFCI OUTLET LOCATIONS TO BE READILY ACESSIBLE WITH INSTALLED EQUIPMENT OR PROVIDE GFCI CIRCUIT BREAKER AS REQUIRED. REFER TO GENERAL NOTES ON E002 FOR MORE INFORMATION.
3. REFER TO K-SERIES DRAWINGS FOR ADDITIONAL KITCHEN ELECTRICAL REQUIREMENTS, SCHEDULE, LOCATIONS, AND MOUNTING DETAILS.

○ DRAWING NOTES:

1. PROVIDE POWER CONNECTION FOR HOOD, FAN AND LIGHTS. ALL BREAKERS FEEDING EXHAUST HOODS AND ANY ELECTRICAL EQUIPMENT UNDERNEATH HOODS SHALL BE SHUNT TRIP BREAKERS. REFER TO DRAWING K104 FOR MORE INFORMATION.
2. PROVIDE CABLE REELS WITH GFCI RECEPTACLE, REFER TO K104 FOR MORE INFORMATION.
3. PROVIDE STUB UP RECEPTACLE CONNECTION. REFER TO DETAILS ON DRAWING K104 FOR MORE INFORMATION.

KITCHEN EQUPMENT CONNECTION SCHEDULE

TAG	DESIGNATION	MCA/FLA/HP	MOCP	VOLTAGE	PHASE	PANEL	CIRCUIT	FEEDER	NOTE
E-1	CABLE REELS	20 A	30 A	120 V	1	PANEL K	14	(2)#10AWG, (1)#10 GND IN 3/4"C	
E-2	COFFEE BREWER RECEP	14 A	20 A	208 V	1	PANEL K	11,13	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-3	COLD FOOD COUNTER RECEPT	2.38 A	20 A	120 V	1	PANEL K	2	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-4	CONVECTION OVEN	28 A	40 A	208 V	1	PANEL K	19,21	(2)#8AWG, (1)#10 GND IN 3/4"C	
E-5	CONVECTION OVEN	28 A	40 A	208 V	1	PANEL K	7,9	(2)#8AWG, (1)#10 GND IN 3/4"C	
E-6	FIRE PROTECTION SYSTEM	20 A	30 A	120 V	1	PANEL K	18	(2)#10AWG, (1)#10 GND IN 3/4"C	
E-7	FLY-FAN	0.5 HP	20 A	120 V	1	PANEL K	12	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-8	HOT FOOD COUNTER RECEPT	20 A	30 A	208 V	1	PANEL K	15,17	(2)#10AWG, (1)#10 GND IN 3/4"C	
E-9	ICE MACHINE	15A	20 A	120 V	1	PANEL K	6	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-10	MICROWAVE	16 A	20 A	120 V	1	PANEL K	23	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-11	RANGE RECEPT	16 kW	60 A	208 V	3	PANEL K	1,3,5	(3)#6AWG, (1)#10 GND IN 3/4"C	
E-12	REACH-IN FREEZER	7.6 A	20 A	120 V	1	PANEL OS	1	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-13	REACH-IN REFRIGERATOR	8.1 A	20 A	120 V	1	PANEL OS	2	(2)#12AWG, (1)#12 GND IN 3/4"C	
E-14	VENTILATOR LIGHT CONTROLLER	13.3 A	20 A	120 V	1	PANEL K	4	(2)#12AWG, (1)#12 GND IN 3/4"C	

Panel: PANEL K

LOCATION: **MAINS RATING:** 200 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: FLUSH **MAINS TYPE:** MCB **AIC RATING:** 65 KAIC

	CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT	
1	1	RANGE RECEPT	60 A	3	5.33			0.30			1	20 A	COLD FOOD COUNTER...	2	
	3	--	--	--		5.33			1.62		1	20 A	VENTILATOR LIGHT...	4	1
	5	--	--	--			5.33			1.80	1	20 A	ICE MACHINE	6	
1	7	CONVECTION OVEN	40 A	2	3.00			0.54			1	20 A	RECS	8	
	9	--	--	--		3.00			0.00		1	20 A	SPARE	10	
	11	COFFEE BREWER RECEP	20 A	2			1.48			1.20	1	20 A	FLY-FAN	12	
	13	--	--	--	1.48			2.45			1	30 A	CABLE REELS	14	
	15	HOT FOOD COUNTER RECEPT	30 A	2		2.10			0.00		1	20 A	SPARE	16	
1	17	--	--	--			2.10			2.45	1	30 A	FIRE PROTECTION SYSTEM	18	
	19	CONVECTION OVEN	40 A	2	3.00			0.00			1	20 A	SPARE	20	
	21	--	--	--		3.00			0.00		1	20 A	SPARE	22	
	23	MICROWAVE	20 A	1			1.95			0.00	1	20 A	SPARE	24	
	25	SPARE	20 A	1	0.00			--			1	--	SPACE	26	
	27	SPARE	20 A	1		0.00			--		1	--	SPACE	28	
	29	SPACE	--	1			--			--	1	--	SPACE	30	
	31	SPACE	--	1	--			--			1	--	SPACE	32	
	33	SPACE	--	1		--			--		1	--	SPACE	34	
	35	SPACE	--	1			--			--	1	--	SPACE	36	
	37	SPACE	--	1	--			--			1	--	SPACE	38	
	39	SPACE	--	1		--			--		1	--	SPACE	40	
	41	SPACE	--	1			--			--	1	--	SPACE	42	

Connected Load:

AØ:	16.10	KVA =	134 A	A
BØ:	15.05	KVA =	125 A	A
CØ:	16.31	KVA =	136 A	A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
RECEPTACLE	4190 VA	100.00%	4190 VA		
Kitchen Equipment - Non-Dwelling Unit	43270 VA	65.00%	28126 VA	**Total Conn. Load:**	47.46 kVA
				Total Est. Demand:	32.32 kVA
				Total Conn. Current:	131.74 A
				Total Est. Demand Current:	89.70 A

Notes:
1 PROVIDE SHUNT TRIP

DWG FILENAME

SEAL: STATE OF MARYLAND · RICHARD ADAM BURDETTE · No. 20513 · REGISTERED PROFESSIONAL ENGINEER
DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20513, EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.
AS--BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS--BUILT / REVISION | BY | DATE | P.W.A NO.
CONTRACT COMPLETION BOX

KEY SHEET: UNE
POSITION SHT: 79NE12, 78NE12, 78NE11
DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT
APPROVED BY: ____ PROPERTY MANAGER
DATE: ____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
KITCHEN PART PLAN - POWER
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E104	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	165 OF 195
	DRAWING NUMBER
	2025-0382
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL NORMAL LIGHTING SHALL BE CIRCUITED TO PANEL LTG.
3. EMERGENCY FIXTURE SHALL BE THE SAME MAKE AND MODEL AS THOSE IN NORMAL POWER. UNLESS OTHERWISE NOTED, ALL EMERGENCY LIGHTING SHALL BE CIRCUITED TO PANEL LS.
4. PROVIDE UL294 EMERGENCY LIGHTING CONTROL RELAY TO CONTROL ALL EMERGENCY LIGHTS WITH NORMAL POWER LIGHTS. UPON LOSS OF NORMAL POWER, THE EMERGENCY LIGHTS SHALL SHUNT 'ON' TO FULL OUTPUT, TYPICAL. PROVIDE LABEL ON RELAY INDICATING LIGHTS AND ROOMS CONTROLLED.
5. ALL EMERGENCY LIGHTING SHALL BE WIRED TO SHUNT 'ON' DURING ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE RELAYS AND INTERFACE WITH FIRE ALARM SYSTEM AS NECESSARY TO OBTAIN A COMPLETE FUNCTION SYSTEM.

◯ DRAWING NOTES:

1. PROVIDE FAN CONTROL SWITCH. REFER TO E101 FOR FAN LOCATIONS.
2. PHOTOCELL MOUNTED AT 10' AFG FOR EXTERIOR BUILDING MOUNTED LIGHT FIXTURES.
3. ELECTRICAL CONDUIT PATHWAYS SHALL BE LOCATED HERE TO FEED LIGHTS AT CEILING OF ROOM 123.

1 FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · RICHARD ADAM · 20513 · REGISTERED · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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LICENSE NO. 20513, EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF

DWN BY: DAM

CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE:	
		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - LIGHTING

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

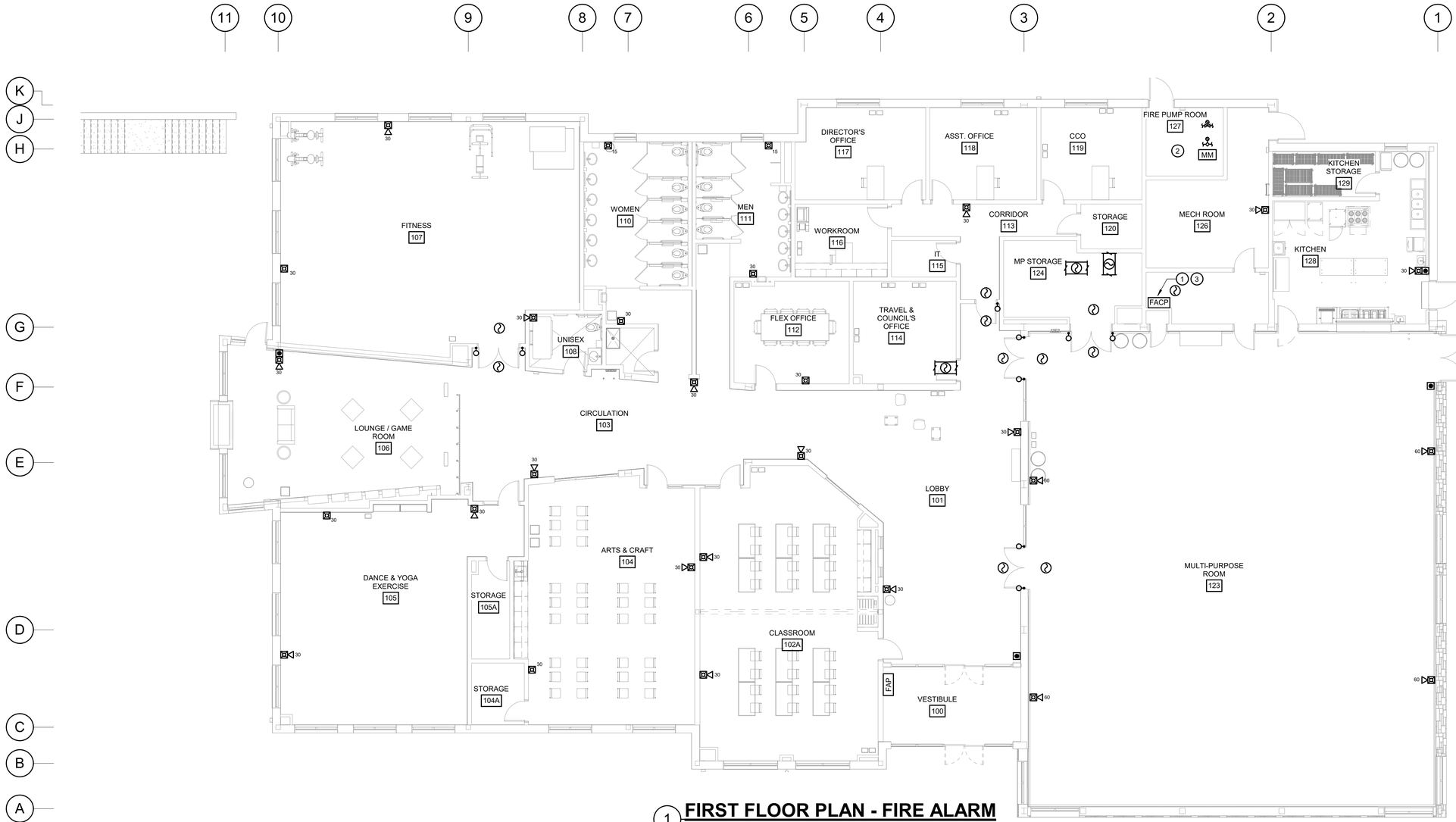
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E201	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	166 OF 195
	DRAWING NUMBER
	2025-0383
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
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116	WORKROOM
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119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

1 FIRST FLOOR PLAN - FIRE ALARM

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

DRAWING NOTES:

1. PROVIDE OPEN ACCESS FIRE ALARM CONTROL PANEL BY SILENT KNIGHT 6820.
2. PROVIDE MONITORING MODULES IN FIRE PUMP ROOM FOR THE FOLLOWING:
   - TAMPER SWITCH ON MAIN CONTROL VALVE
   - TAMPER SWITCH ON TEST HEADER VALVE
   - MAIN FLOW SWITCH
   - FIRE PUMP CONTROLLER (RUNNING, LOSS OF PHASE, PHASE REVERSAL, CONTROLLER FAULT)

   COORDINATE QUANTITIES AND LOCATIONS WITH SPRINKER DRAWINGS.
3. OVERALL AV SOUND SYSTEM IN WILL BE OVERRIDDEN/TURNED OFF DURING ANY FIRE ALARM EVENT VIA INTERFACE WITH SOUND SYSTEM. PROVIDE OPEN CLOSURE RELAY CONTACT FOR FIRE ALARM OVERIDE. COORDINATE FINAL TERMINATIONS FOR A COMPLETE SYSTEM.

0 2 4 8 16 24
SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · RICHARD ADAM MURPHY · DEC. 2013 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FIRST FLOOR PLAN - FIRE ALARM
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

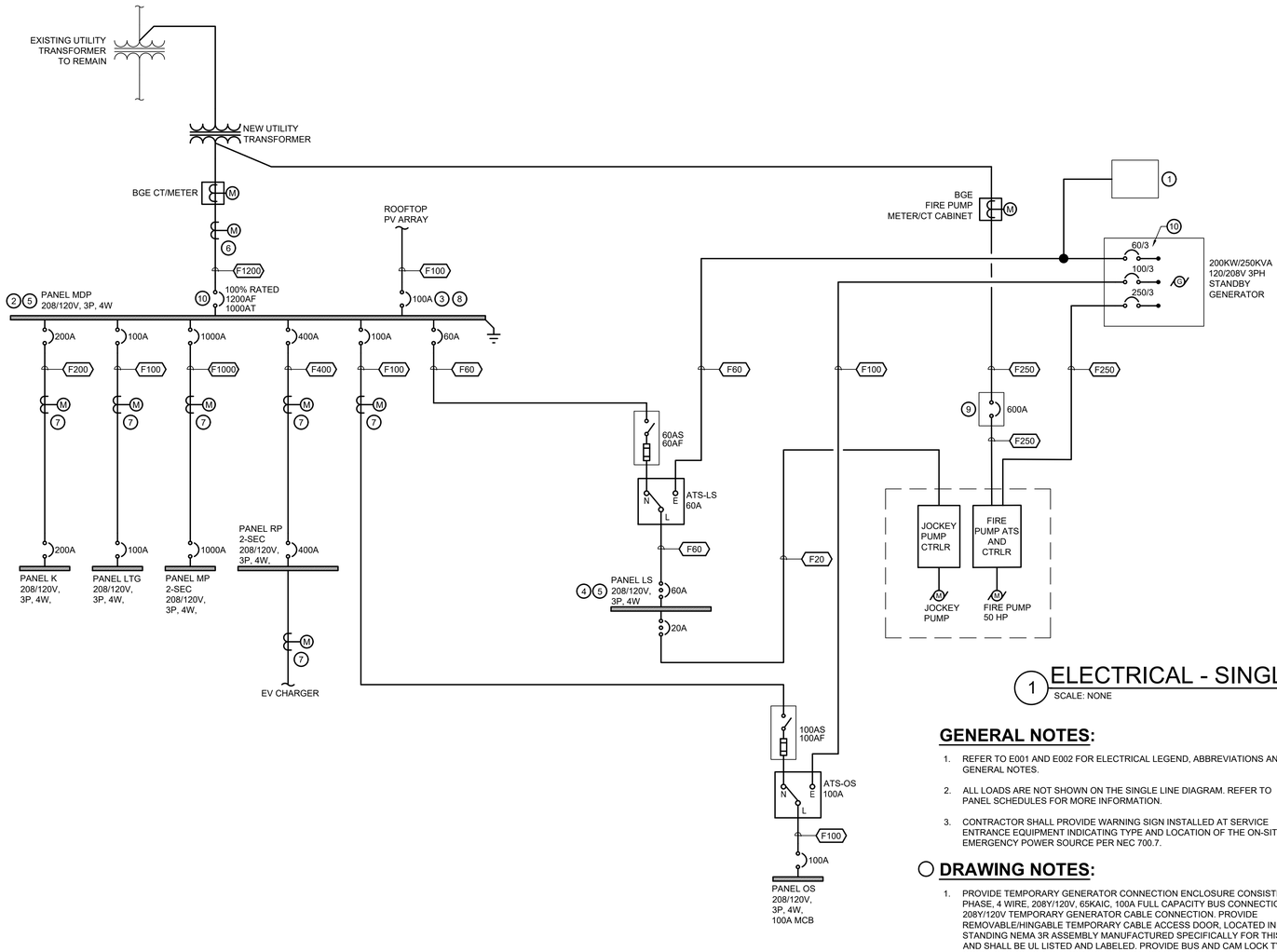
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E301	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	167 OF 195
	DRAWING NUMBER
	2025-0384
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01



FEEDER SCHEDULE

DESIG	QTY	PHASE CONDUCTORS	NEUTRAL	GROUND	CONDUIT	REMARKS
F20	1 SET	(3) #12 AWG	#12 AWG	#12 AWG	3/4"	
F60	1 SET	(3) #6 AWG	#6 AWG	#10 AWG	1"	
F100	1 SET	(3) #1 AWG	#1 AWG	#8 AWG	1-1/4"	
F150	1 SET	(3) #1/0 AWG	#1/0 AWG	#6 AWG	2"	
F200	1 SET	(3) #3/0 AWG	#6 AWG	#6 AWG	2"	
F250	1 SET	(3) #250 AWG	#250 AWG	#6 AWG	2-1/2"	
F300	1 SET	(3) #350 AWG	#350 AWG	#4 AWG	3"	
F600	2 SET	(3) #350 AWG	#350 AWG	#1 AWG	3"	
F1000	4 SET	(3) #250 AWG	#250 AWG	#2/0 AWG	3"	
F1200	4 SET	(3) #350 AWG	#350 AWG	#3/0 AWG	3"	

SCHEDULE NOTES:

1. PHASE CONDUCTORS, NEUTRAL GROUND AND CONDUIT SHOWN IN THE FEEDER SCHEDULE APPLY TO EACH SET WHEN MULTIPLE SETS ARE REQUIRED. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.

2. 600 VOLT CONDUCTORS HAVE BEEN SELECTED IN ACCORDANCE WITH THE AMPACITIES LISTED IN TABLE 310.15(B)(16) OF THE CURRENT NEC. THIS TABLE APPLIES TO CONDUCTORS RATED 0-2000 VOLTS, BASED ON AMBIENT TEMPERATURES OF 26-30 DEGREES C (78-86 DEGREES F). INSTALLATION OF RACEWAYS UNDERGROUND OR IN HIGHER AMBIENT AREAS MAY REQUIRE CHANGES TO CONDUCTOR AND CONDUIT SIZES. THE CONTRACTOR SHALL ADJUST CONDUCTOR AND CONDUIT SIZES WHERE REQUIRED TO ACCOMMODATE THESE CONDITIONS. IN NO CASE SHALL CONDUCTOR AND CONDUIT SIZES BE SMALLER THAN THOSE SCHEDULED OR SPECIFIED.

1 ELECTRICAL - SINGLE LINE DIAGRAM

SCALE: NONE

GENERAL NOTES:

1. REFER TO E001 AND E002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. ALL LOADS ARE NOT SHOWN ON THE SINGLE LINE DIAGRAM. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.
3. CONTRACTOR SHALL PROVIDE WARNING SIGN INSTALLED AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF THE ON-SITE EMERGENCY POWER SOURCE PER NEC 700.7.

DRAWING NOTES:

1. PROVIDE TEMPORARY GENERATOR CONNECTION ENCLOSURE CONSISTING OF A 3 PHASE, 4 WIRE, 208Y/120V, 65KAIC, 100A FULL CAPACITY BUS CONNECTION FOR A 208Y/120V TEMPORARY GENERATOR CABLE CONNECTION. PROVIDE REMOVABLE/HINGABLE TEMPORARY CABLE ACCESS DOOR, LOCATED IN A GREE STANDING NEMA 3R ASSEMBLY MANUFACTURED SPECIFICALLY FOR THIS PURPOSE AND SHALL BE UL LISTED AND LABELED. PROVIDE BUS AND CAM LOCK TYPE CONNECTORS FOR TEMPORARY GENERATOR CABLE CONNECTIONS. ACCESSORIES: TWO WIRE AUTO START, 20A DUPLEX RECEPTACLE, AND PHASE ROTATION MONITOR (TRYSTAR GENERATOR DOCKING STATION - BASIS OF DESIGN)
2. ALTERNATE 01: PROVIDE A PERMANENT PLAQUE OR DIRECTORY ON PANEL MDP COVER SAYING, "THIS IS ONE OF TWO SERVICES THAT FEED THIS BUILDING. SECOND SERVICE IS THE PHOTOVOLTAIC DISCONNECT LOCATED IN THIS ROOM."
3. ALTERNATE 01: PROVIDE A PERMANENT PLAQUE OR DIRECTORY ON THE PHOTOVOLTAIC DISCONNECT COVER SAYING, "THIS IS ONE OF TWO SERVICES THAT FEED THIS BUILDING. SECOND SERVICE IS PANEL MDP LOCATED IN THIS ROOM."
4. PROVIDE FUSED COORDINATION PANELBOARD. REFER TO SPECIFICATION SECTION 262417 FOR ADDITIONAL INFORMATION.
5. PROVIDE INTEGRAL SURGE PROTECTION DEVICE.
6. BASE BID: PROVIDE CLASS 3200 SMART METER BY E-MON D-MON. MOUNT METER IN MMU ENCLOSURE WITHIN ELECTRICAL ROOM. COORDINATE INDIVIDUAL MODEL NUMBER BASED ON REQUIRED AMPERAGE AND VOLTAGE. COORDINATE WITH BAS SUPPLIER TO ENSURE METER CAN COMMUNICATE WITH THE BAS SYSTEM FOR MONITORING CAPABILITY. PROVIDE ALL CONNECTIONS TO BAS AS REQUIRED. PROVIDE ALL REQUIRED LOW VOLTAGE CT WIRING AND LINE VOLTAGE POWER/REFERENCE WIRING BETWEEN REMOTE METER AND ASSOCIATED PANEL.
7. ALTERNATE 08: SAME AS NOTE #6. PROVIDE CLASS 3200 SMART METER BY E-MON D-MON. MOUNT METER IN MMU ENCLOSURE WITHIN ELECTRICAL ROOM. COORDINATE INDIVIDUAL MODEL NUMBER BASED ON REQUIRED AMPERAGE AND VOLTAGE. COORDINATE WITH BAS SUPPLIER TO ENSURE METER CAN COMMUNICATE WITH THE BAS SYSTEM FOR MONITORING CAPABILITY. PROVIDE ALL CONNECTIONS TO BAS AS REQUIRED. PROVIDE ALL REQUIRED LOW VOLTAGE CT WIRING AND LINE VOLTAGE POWER/REFERENCE WIRING BETWEEN REMOTE METER AND ASSOCIATED PANEL.
8. ALTERNATE 01: CONTRACTOR SHALL INSTALL PV CIRCUIT BREAKER ON OPPOSITE SIDE OF BUSBAR AWAY FROM MAIN CIRCUIT BREAKER. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER SIZE AND WIRE/CONDUIT SIZE WITH FINAL PV DESIGN. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
9. PROVIDE TORNA TECH FIRE PUMP OCPD OR EQUAL. LOCKABLE IN CLOSED POSITION. NEMA 3R, 65K AIC RATING. SIZED FOR 50HP, 3PH FIRE PUMP. THE OCPD MUST BE UL LISTED AND COMPLY WITH NEC ART. 695.4(B)(2)(a)(2). ENCLOSED CIRCUIT BREAKER MUST BE SERVICE ENTRANCE RATED. BASIS OF DESIGN CIRCUIT BREAKER IS MAGNETIC ONLY, 600AF.
10. PROVIDE L.S.I CIRCUIT BREAKER.

ARL: \BKMA-DC11\Projects\23127.01\Drawings\Acad\E401 - SINGLE LINE DIAGRAM

Plotted By: Dylan Martinez | 4/11/2025 7:00 AM

DWG. FILENAME

SEAL

STATE OF MARYLAND · RICHARD ADAM PRUSH · No. 20513 · REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

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BY:

DATE:

DGN BY: JF

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CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ELECTRICAL SINGLE LINE DIAGRAM

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E401	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	168 OF 195
	DRAWING NUMBER
	2025-0385
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01

Switchboard: PANEL MDP

Location: ELEC ROOM 125 **Volts:** 120/208 3Ø 4W **A.I.C. Rating:** 42 KAIC
Supply From: **Phases:** 3 **Mains Type:** MCB
Mounting: Surface **Wires:** 4 **Mains Rating:** 1200 A
Enclosure: NEMA 1

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load (kVA)	Remarks
1	PANEL RP (2 SECTION PANEL)	3	400 A	400 A	95.9	
2	PANEL K	3	200 A	200 A	47.5	
3	PANEL LTG	3	100 A	100 A	8.6	
4	PANEL MP (2 SECTION PANEL)	3	1000 A	1000 A	260.9	
5	ATS LS	3	100 A	60 A	3.5	PROVIDE L.S.I
6	ATS OS	3	100 A	100 A	6.5	
7	ROOFTOP PV	3	100 A	100 A	30.0	(1)
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	452.7	kVA
				Total Amps:	1256.6	A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	8329 VA	100.00%	8329 VA		
POWER	27840 VA	100.00%	27840 VA	**Total Conn. Load:**	452.7 kVA
RECEPTACLE	31890 VA	65.68%	20945 VA	**Total Est. Demand:**	351.9 kVA
Kitchen Equipment - Non-Dwelling Unit	45220 VA	65.00%	29393 VA	**Total Conn. Current:**	1256.6 A
Mech	246850 VA	70.00%	172795 VA	**Total Est. Demand Current:**	976.7 A

Notes:
MAIN CB SHALL BE 100% RATED WITH L,S,I ADJUSTMENTS.
PROVIDE INTEGRAL SURGE PROTECTION

Panel: PANEL OS

LOCATION: ELEC ROOM 125 **MAINS RATING:** 100 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MCB **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REACH-IN FREEZER	20 A	1	0.95			1.00			1	20 A	REACH-IN REFRIGERATOR	2
3	ATC PANEL - 126	20 A	1		0.50			1.00		1	20 A	SERVER RACK - 115	4
5	SERVER RACK - 115	20 A	1			3.00			0.00	1	20 A	SPARE	6
7	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	8
9	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	10
11	SPACE	--	1			--			--	1	--	SPACE	12
13	SPACE	--	1	--			--			1	--	SPACE	14
15	SPACE	--	1		--			--		1	--	SPACE	16
17	SPACE	--	1			--			--	1	--	SPACE	18

Connected Load:
AØ: 1.95 KVA = 16 A A
BØ: 1.50 KVA = 13 A A
CØ: 3.00 KVA = 25 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
POWER	4500 VA	100.00%	4500 VA		
Kitchen Equipment - Non-Dwelling Unit	1950 VA	100.00%	1950 VA	**Total Conn. Load:**	6.45 kVA
				Total Est. Demand:	6.45 kVA
				Total Conn. Current:	17.90 A
				Total Est. Demand Current:	17.90 A

Notes:

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DESIGNATION	MCA/FLA/HP	MOCP	VOLTAGE	PHASE	DISCONNECTING MEANS	PANEL	CIRCUIT	FEEDER	NOTE
ACCU-1 (ROOF)	70 MCA	110 A	208 V	3	200A DISCONECT BY ELECTRICAL CONTRACTOR	MP	57,59,61	(3)#2AWG, (1)#6 GND IN 1-1/2"C	
ACCU-2 (ROOF)	45 MCA	70 A	208 V	3	100A DISCONNECT BY ELECTRICAL CONTRACTOR	MP	44,46,48	(3)#4AWG, (1)#8GND IN 1-1/4"C	
CH-1 (100)	5 kW	20 A	208 V	3	DISCONNECT PROVIDED BY MANUFACTURER	MP	13,15,17	(3)#12AWG, (1)#12 GND IN 3/4"C	
CH-2 (100)	5 kW	20 A	208 V	3	DISCONNECT PROVIDED BY MANUFACTURER	MP	16,18,20	(3)#12AWG, (1)#12 GND IN 3/4"C	
CU-1 (ROOF)	11 MCA	20 A	208 V	1	DISCONNECT PROVIDED BY MANUFACTURER	MP	43,45	(2)#12AWG, (1)#12 GND IN 3/4"C	
DHWH-1 (126)	9 kW	60 A	208 V	1	DISCONNECT PROVIDED BY MANUFACTURER	MP	28,30	(2)#6AWG, (1)#10 GND IN 1-1/4"C	
DHWR-1 (126)	60 W	20 A	120 V	1	30A DISCONNECT BY ELECTRICAL CONTRACTOR	MP	1	(2)#12AWG, (1)#12 GND IN 3/4"C	
DOAS-1 (ROOF)	222.1 MCA	225 A	208 V	3	VFD AND DISCONNECT PROVIDED BY MANUFACTURER	MP	56,58,60	(3)#4/0AWG, (1)#4 GND IN 2-1/2"C	
EF-1 (ROOF)	1 HP	20 A	208 V	1	DISCONNECT PROVIDED BY MANUFACTURER	MP	53,55	(2)#12AWG, (1)#12 GND IN 3/4"C	
HR-1 + VRF-1-(1-12)	9.2 MCA	20 A	208 V	1	30A DISCONNECT BY ELECTRICAL CONTRACTOR	MP	2,4	(2)#12AWG, (1)#12 GND IN 3/4"C	
HR-2 + VRF-2-(1-7)	13.3 MCA	20 A	208 V	1	30A DISCONNECT BY ELECTRICAL CONTRACTOR	MP	6,8	(2)#12AWG, (1)#12 GND IN 3/4"C	
MAU-1 (ROOF)	124.5 MCA	125 A	208 V	3	VFD AND DISCONNECT PROVIDED BY MANUFACTURER	MP	50,52,54	(3)#1AWG, (1)#6 GND IN 2"C	
RTU-1 (ROOF)	246.4 MCA	250 A	208 V	3	VFD AND DISCONNECT PROVIDED BY MANUFACTURER	MP	47,49,51	(3)#250AWG, (1)#4 GND IN 3"C	
UH-1 (126)	10kW	35 A	208 V	3	DISCONNECT PROVIDED BY MANUFACTURER	MP	19,21,23	(3)#10AWG, (1)#10 GND IN 3/4"C	
UH-2 (127)	5kW	20 A	208 V	3	DISCONNECT PROVIDED BY MANUFACTURER	MP	7,9,11	(3)#12AWG, (1)#12 GND IN 3/4"C	
UH-3 (125)	5kW	20 A	208 V	3	DISCONNECT PROVIDED BY MANUFACTURER	MP	10,12,14	(3)#12AWG, (1)#12 GND IN 3/4"C	

(1) DRAWING NOTES:

1. ALTERNATE 01: PROVIDE CIRCUIT BREAKER FOR ROOFTOP PV AS SHOWN.

DWG FILENAME

SEAL
STATE OF MARYLAND · RICHARD ADAM BURDETTE · NO. 20513 · REGISTERED PROFESSIONAL ENGINEER
DATE:

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20513 EXPIRATION DATE: 07/17/26
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.
AS–BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ELECTRICAL PANEL SCHEDULES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E501	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	169 OF 195
	DRAWING NUMBER
	2025-0386
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

Panel: PANEL RP (SECTION 1)

LOCATION: ELEC ROOM 125 **MAINS RATING:** 400 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MCB **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	AV RECEPTACLE	20 A	1	0.18			0.54			1	20 A	RECS - OFFICE 118	2
3	TREADMILL - FITNESS 107	20 A	1		1.95			1.08		1	20 A	RECS - GAME ROOM 106	4
5	RECS - OFFICE 117	20 A	1			0.54			0.72	1	20 A	RECS - CLASSROOM 102A	6
7	RECS - CLASSROOM 102B	20 A	1	0.72			1.08			1	20 A	RECS - FLEX ROOM 112	8
9	RECS - YOGA 105	20 A	1		1.11			1.08		1	20 A	RECS - FITNESS 107	10
11	RECS - ART 104	20 A	1			1.44			1.44	1	20 A	RECS - CORRIDOR	12
13	RECS - 120, 124, 126, 127	20 A	1	1.44			1.08			1	20 A	RECS - 108, 109, 110, 111	14
15	RECS - MULTI ROOM 123	20 A	1		0.90			0.54		1	20 A	TV - YOGA 105	16
17	TREADMILL - FITNESS 107	20 A	1			1.95			1.00	1	20 A	TV - FITNESS 107	18
19	TREADMILL - FITNESS 107	20 A	1	0.70			0.36			1	20 A	RECS - IT ROOM 115	20
21	PAPER TOWEL - 110	20 A	1		1.20			0.18		1	20 A	EWC - MULTIPURPOSE ROOM	22
23	REC - IT ROOM 115	20 A	1			0.18			0.54	1	20 A	RECS - WORKROOM 116	24
25	EWC - CORRIDOR	20 A	1	0.58			0.54			1	20 A	RECS - OFFICE 119	26
27	RECS - TRAVEL OFFICE 114	20 A	1		0.54			1.00		1	20 A	KITCHEN PASS THRU	28
29	RECS - ART 104	20 A	1			1.26			0.00	1	20 A	SPARE	30
31	RECS - LOBBY ENTRANCE	20 A	1	0.72			0.00			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	34
35	SPACE	--	1			--			--	1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42

Connected Load:
AØ: 30.95 KVA = 258 A A
BØ: 33.32 KVA = 278 A A
CØ: 31.61 KVA = 263 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
POWER	7980 VA	100.00%	7980 VA		
RECEPTACLE	27340 VA	68.29%	18670 VA	**Total Conn. Load:**	95.87 kVA
				Total Est. Demand:	87.20 kVA
				Total Conn. Current:	266.11 A
				Total Est. Demand Current:	242.04 A

Notes:
PROVIDE FEED THRU LUGS
LOAD SHOWN ON SECTION 1 INCLUDES TOTAL LOAD FROM SECTION 2

Panel: MP (SECTION 1)

LOCATION: ELEC ROOM 125 **MAINS RATING:** 1000 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MCB **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	DHWR-1 (126)	20 A	1	0.06			0.80			2	20 A	HR-1 + VRF-1-(1-12)	2
3	MEN'S TOILETS - 111	20 A	1		0.06			0.80		--	--	--	4
5	WOMEN'S TOILETS - 110	20 A	1			0.07			1.15	2	20 A	HR-2 + VRF-2-(1-7)	6
7	UH-2 (127)	20 A	3	1.67			1.15			--	--	--	8
9	--	--	--		1.67			1.67		3	20 A	UH-3 (125)	10
11	--	--	--			1.67			1.67	--	--	--	12
13	CH-1 (100)	20 A	3	1.67			1.67			--	--	--	14
15	--	--	--		1.67			1.67		3	20 A	CH-2 (100)	16
17	--	--	--			1.67			1.67	--	--	--	18
19	UH-1 (126)	35 A	3	3.33			1.67			--	--	--	20
21	--	--	--		3.33			1.33		3	20 A	BOOSTER PUMP (126)	22
23	--	--	--			3.33			1.33	--	--	--	24
25	REC - ROOF	20 A	1	0.18			1.33			--	--	--	26
27	REC - ROOF	20 A	1		0.18			4.50		2	60 A	DHWH-1 (126)	28
29	ATPS-1, ATPS-2, UV...	20 A	1			0.47			4.50	--	--	--	30
31	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	34
35	SPACE	--	1			--			--	1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42

Connected Load:
AØ: 85.15 KVA = 710 A A
BØ: 87.57 KVA = 730 A A
CØ: 88.15 KVA = 735 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
POWER	13660 VA	100.00%	13660 VA		
RECEPTACLE	360 VA	100.00%	360 VA	**Total Conn. Load:**	260.87 kVA
Mech	246850 VA	70.00%	172795 VA	**Total Est. Demand:**	186.82 kVA
				Total Conn. Current:	724.10 A
				Total Est. Demand Current:	518.55 A

Notes:
PROVIDE FEED THRU LUGS
LOAD SHOWN ON SECTION 1 INCLUDES TOTAL LOAD FROM SECTION 2

Panel: PANEL LTG

LOCATION: ELEC ROOM 125 **MAINS RATING:** 100 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MCB **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	LIGHTING - CLASSROOMS	20 A	1	1.02			0.36			1	20 A	LIGHTING - CORRIDORS	2
3	LIGHTING - ENTRANCE	20 A	1		0.63			0.12		1	20 A	OUTDOOR BUILDING LIGHTS	4
5	LIGHTING - GAMEROOM 106	20 A	1			0.33			0.48	1	20 A	LIGHTING - FITNESS 107	6
7	LIGHTING - OFFICES	20 A	1	0.49			0.37			1	20 A	LIGHTING - RESTROOM	8
9	LIGHTING - KITCHEN	20 A	1		0.49			1.06		1	20 A	LIGHTING - MULTI 123	10
11	LIGHTING - MULTI 123	20 A	1			1.18			1.35	2	20 A	SITE LIGHTING LIGHT POLES	12
13	SPARE	20 A	1	0.00			0.68			--	--	--	14
15	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	16
17	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	18
19	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	20
21	SPACE	--	1		--			--		1	--	SPACE	22
23	SPACE	--	1			--			--	1	--	SPACE	24
25	SPACE	--	1	--			--			1	--	SPACE	26
27	SPACE	--	1		--			--		1	--	SPACE	28
29	SPACE	--	1			--			--	1	--	SPACE	30
31	SPACE	--	1	--			--			1	--	SPACE	32
33	SPACE	--	1		--			--		1	--	SPACE	34
35	SPACE	--	1			--			--	1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42

Connected Load:
AØ: 2.91 KVA = 24 A A
BØ: 2.31 KVA = 19 A A
CØ: 3.33 KVA = 28 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
LIGHTING	6531 VA	100.00%	6531 VA		
				Total Conn. Load:	8.56 kVA
				Total Est. Demand:	8.56 kVA
				Total Conn. Current:	23.75 A
				Total Est. Demand Current:	23.75 A

Notes:

Panel: PANEL RP (SECTION 2)

LOCATION: ELEC ROOM 125 **MAINS RATING:** 400 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MLO **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
43	PROJECTION SCREEN - 123	20 A	1	0.63			0.36			1	20 A	PROJECTORS - 123	44
45	ELECTRIC SHADE-123	20 A	1		0.72			1.20		1	20 A	PAPER TOWEL - 111	46
47	RECS - 123	20 A	1			0.90			0.72	1	20 A	ELECTRIC SHADE - 123	48
49	SHADES - 106, 123	20 A	1	0.72			1.50			1	20 A	FIRE PLACE - 106	50
51	EV CHARGER	60 A	2		4.95			1.44		1	20 A	ENTRANCE PASS THRU	52
53	--	--	--			4.95			4.95	2	60 A	EV CHARGER	54
55	EV CHARGER	60 A	2	4.95			4.95			--	--	--	56
57	--	--	--		4.95			4.95		2	60 A	EV CHARGER	58
59	EV CHARGER	60 A	2			4.95			4.95	--	--	--	60
61	--	--	--	4.95			4.95			2	60 A	EV CHARGER	62
63	SITE SEPTIC TANK	20 A	2		0.58			4.95		--	--	--	64
65	--	--	--			0.58			0.54	1	20 A	RECS - EXTERIOR	66
67	SITE SEPTIC TANK	20 A	2	0.00			0.00			1	20 A	SPARE	68
69	--	--	--		0.00			0.00		1	20 A	SPARE	70
71	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	72
73	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	74
75	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	76
77	SPACE	--	1			--			--	1	--	SPACE	78
79	SPACE	--	1	--			--			1	--	SPACE	80
81	SPACE	--	1		--			--		1	--	SPACE	82
83	SPACE	--	1			--			--	1	--	SPACE	84

Connected Load:
AØ: 23.01 KVA = 192 A A
BØ: 23.74 KVA = 198 A A
CØ: 22.54 KVA = 188 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
POWER	5730 VA	100.00%	5730 VA		
RECEPTACLE	3000 VA	100.00%	3000 VA	**Total Conn. Load:**	69.28 kVA
				Total Est. Demand:	69.28 kVA
				Total Conn. Current:	192.30 A
				Total Est. Demand Current:	192.30 A

Notes:

Panel: MP (SECTION 2)

LOCATION: ELEC ROOM 125 **MAINS RATING:** 1000 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** MLO **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
43	CU-1 (ROOF)	20 A	2	1.00			4.33			3	70 A	ACCU-2 (ROOF)	44
45	--	--	--		1.00			4.33		--	--	--	46
47	RTU-1 (ROOF)	250 A	3			23.67			4.33	--	--	--	48
49	--	--	--	23.67			12.17			3	125 A	MAU-1 (ROOF)	50
51	--	--	--		23.67			12.17		--	--	--	52
53	EF-1 (ROOF)	20 A	2			0.93			12.17	--	--	--	54
55	--	--	--	0.93			22.53			3	225 A	DOAS-1 (ROOF)	56
57	ACCU-1 (ROOF)	110 A	3		7.00			22.53		--	--	--	58
59	--	--	--			7.00			22.53	--	--	--	60
61	--	--	--	7.00			0.00			1	20 A	SPARE	62
63	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	64
65	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	66
67	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	68
69	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	70
71	SPACE	--	1			--			--	1	--	SPACE	72
73	SPACE	--	1	--			--			1	--	SPACE	74
75	SPACE	--	1		--			--		1	--	SPACE	76
77	SPACE	--	1			--			--	1	--	SPACE	78
79	SPACE	--	1	--			--			1	--	SPACE	80
81	SPACE	--	1		--			--		1	--	SPACE	82
83	SPACE	--	1			--			--	1	--	SPACE	84

Connected Load:
AØ: 71.63 KVA = 597 A A
BØ: 70.70 KVA = 589 A A
CØ: 70.63 KVA = 589 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
POWER	0 VA	0.00%	0 VA		
Mech	212950 VA	70.00%	149065 VA	**Total Conn. Load:**	212.95 kVA
				Total Est. Demand:	149.07 kVA
				Total Conn. Current:	591.09 A
				Total Est. Demand Current:	413.76 A

Notes:

Panel: PANEL LS

LOCATION: ELEC ROOM 125 **MAINS RATING:** 60 A **VOLTAGE:** 120/208 3Ø 4W
MOUNTING: Surface **MAINS TYPE:** 60A FUSED **AIC RATING:** 22 KAIC

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	EM LIGHTING	20 A	1	0.45			0.57			3	20 A	JOCKEY PUMP (127)	2
3	EM LIGHTING	20 A	1		0.50			0.57		--	--	--	4
5	EM LIGHTING	20 A	1			0.84			0.57	--	--	--	6
7	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	8
9	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	10
11	SPACE	--	1			--			--	1	--	SPACE	12
13	SPACE	--	1	--			--			1	--	SPACE	14
15	SPACE	--	1		--			--		1	--	SPACE	16
17	SPACE	--	1			--			--	1	--	SPACE	18

Connected Load:
AØ: 1.02 KVA = 9 A A
BØ: 1.07 KVA = 9 A A
CØ: 1.41 KVA = 12 A A

Load Classification	Connected Load	Demand Factor	Est. Demand	Panel Totals	
LIGHTING	1797 VA	100.00%	1797 VA		
POWER	1700 VA	100.00%	1700 VA	**Total Conn. Load:**	3.50 kVA
				Total Est. Demand:	3.50 kVA
				Total Conn. Current:	9.71 A
				Total Est. Demand Current:	9.71 A

Notes:
FUSED PANELBOARD

SEAL

STATE OF MARYLAND — RICHARD ADAM KEEN — NO. 20513 — REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.
DGN BY: JF
DWN BY: DAM
CHKD BY: RAM
AS--BUILT PER RECORD PRINT
BY:
DATE:

AS--BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ELECTRICAL PANEL SCHEDULES
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

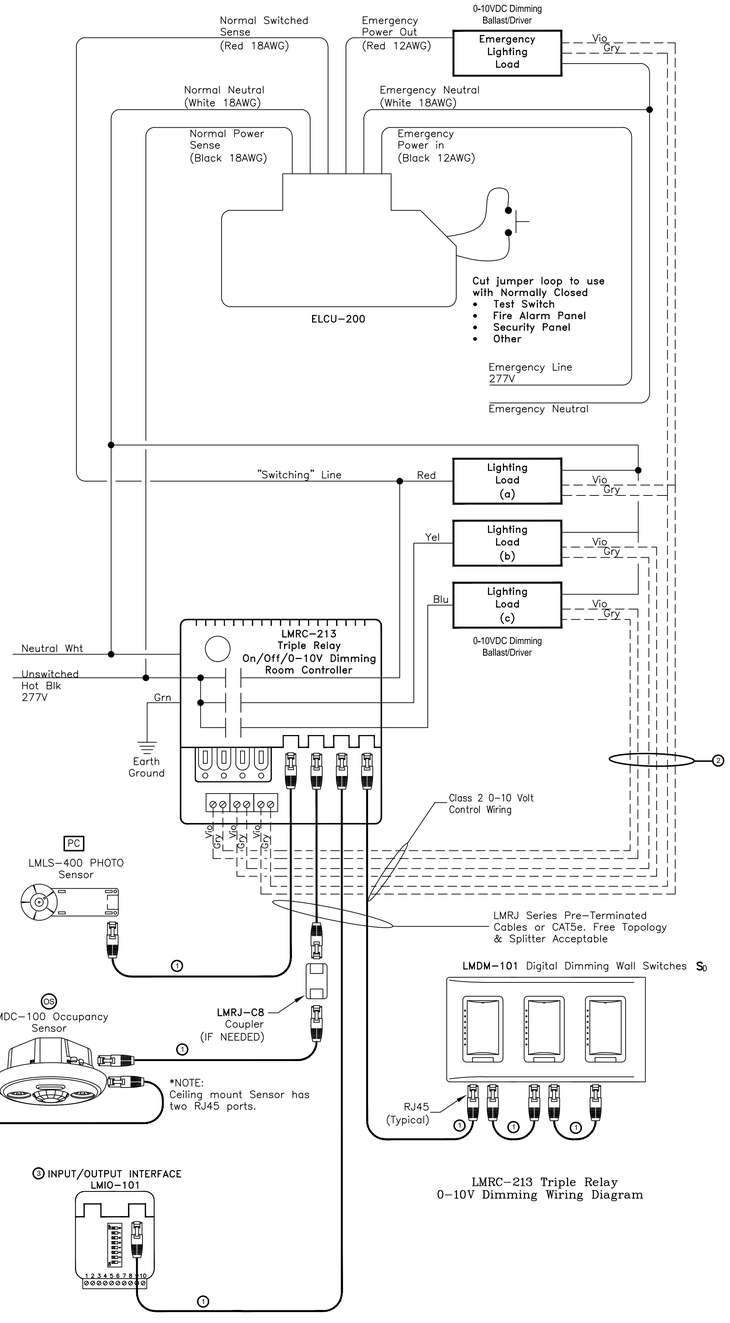
SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E502	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
170 OF 195	
	DRAWING NUMBER
	2025-0387
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

CWS FILENAME

BID DOCUMENTS 05/15/2025
BKM# 23127.01



LMRC-213 Triple Relay
0-10V Dimming Wiring Diagram

BASIS OF DESIGN: WATTSTOPPER

1 TYPICAL LIGHTING CONTROL WIRING DIAGRAM

NOT TO SCALE

GENERAL NOTES:

1. 1 OR 2 RELAY CONTROLLER ARE ACCEPTABLE AS APPLICABLE. PROVIDE ENOUGH RELAYS TO SWITCH ALL LOADS. LIGHTING LOAD PER CONTROLLER SHALL NOT EXCEED 20A TOTAL REGARDLESS OF NUMBER OF RELAYS.
2. REFER TO FLOOR PLANS FOR DEVICE TYPES IN EACH AREA. THIS DIAGRAM SHOWS A TYPICAL GENERAL ARRANGEMENT WITH TYPICAL DEVICES. QUANTITIES ARE NOT INDICATED FOR ALL DEVICES. PROVIDE ALL REQUIRED DEVICES, RELAYS, ETC. AS REQUIRED TO SATISFY THE INDICATED REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND EFFORT IN THEIR BID FOR THIS WORK.
3. PROVIDE COORDINATION DRAWINGS WITH ALL REQUIRED DIAGRAMS FOR THE ENTIRE SYSTEM IN A SUBMITTAL FOR REVIEW.

WIRING DIAGRAM NOTES:

1. PROVIDE CONTROL WIRE IN EMT CONDUIT.
2. PROVIDE LOW VOLTAGE CONTROL WIRING PER SUPPLIER'S RECOMMENDATIONS. PROVIDE CONTROL WIRING IN EMT CONDUIT.
3. CONNECT INPUT/OUTPUT DEVICE TO FIRE ALARM CONTROL MODULE. ALL LIGHTING SHALL TURN ON FULL BRIGHTNESS WHEN THE FIRE ALARM IS ACTIVATED. CONTRACTOR SHALL COORDINATE WITH FIRE ALARM INSTALLER FOR FINAL CONNECTION TO FIRE ALARM SYSTEM. FIRE ALARM WIRING SHALL BE PER FIRE ALARM SYSTEM SUPPLIER RECOMMENDATIONS.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

SPACE TYPE	SEQUENCE OF OPERATION
1 CONFERENCE ROOMS, OFFICES, CLASSROOMS, TRAINING ROOMS,	WALL MOUNTED DIMMER SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR. LIGHTS SHALL BE MANUAL ON VIA WALL MOUNTED DIMMER SWITCH. SENSOR TURNS LIGHTS OFF AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE SPACE. EMERGENCY LIGHTS TURNS ON AUTOMATICALLY UPON LOSS OF BUILDING POWER. INDICATED AUTOMATIC RECEPTACLES IN SPACE SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. RECEPTACLES SHALL TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTS LEAVING SPACE.
2 STORAGE, UTILITY SPACES	LIGHT CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR OR WALL MOUNTED OCCUPANCY SENSOR SWITCH. AS SHOWN ON FLOOR PLAN. SENSOR TURNS ALL LIGHTS ON TO 100% UPON ACTIVATION. SENSOR TURNS LIGHTS OFF AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTES LEAVING SPACE.
3 RESTROOMS	LIGHT CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR OR WALL MOUNTED OCCUPANCY SENSOR SWITCH, AS SHOWN ON FLOOR PLAN. SENSOR TURNS ALL LIGHTS ON TO 100% UPON ACTIVATION. SENSOR TURNS LIGHT OFF AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE SPACE. EMERGENCY LIGHTS TURN ON AUTOMATICALLY UPON LOSS OF BUILDING POWER.
4 CORRIDORS/ VESTIBULES	LIGHTS CONTROLLED BY OCCUPANCY SENSORS. SENSOR TURNS ALL LIGHTS ON TO 100% UPON ACTIVATION. SENSOR DIMS LIGHT TO 50% AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE SPACE. EMERGENCY LIGHTS TURN ON AUTOMATICALLY UPON LOSS OF BUILDING POWER.
5 LOBBY/LOUNGE	LIGHTS CONTROLLED (TURNS ON AND OFF) BY OWNER DEFINED SCHEDULE VIA ASTRONOMICAL TIME. PHOTOCELL DIMS LIGHTS IN RESPONSE TO DAYLIGHT. EMERGENCY LIGHTS TURN ON AUTOMATICALLY UPON LOSS OF BUILDING POWER.
6 GYMNASIUM/ DINING	WALL MOUNTED DIMMER SWITCH WITH WALL/CEILING MOUNTED OCCUPANCY SENSORS. SENSOR SHALL OPERATE IN VACANCY MODE. SENSOR TURNS LIGHT OFF AUTOMATICALLY WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE SPACE. EMERGENCY LIGHTS TURNS ON AUTOMATICALLY UPON LOSS OF BUILDING POWER.
7 KITCHEN	LIGHTS SHALL BE MANUAL ON AND OFF VIA WALL MOUNTED TOGGLE SWITCH. EMERGENCY LIGHTS TURNS ON AUTOMATICALLY UPON LOSS OF BUILDING POWER.
8 EXTERIOR WALL & CANOPY	EXTERIOR LIGHTS TO BE CONTROLLED (TURNS ON AND OFF) BASED UPON OWNER DEFINED SCHEDULE VIA CENTRAL CONTROL SYSTEM'S TIME CLOCK. PHOTO CELLS TO OVERRIDE THE TIME CLOCK IF IT GETS DARKER THAN NORMAL IN SPECIAL CIRCUMSTANCES. CANOPY LIGHT FIXTURES SHALL BE PROVIDED WITH DIMMING CONTROLS.
9 EXTERIOR SITE LIGHTING	EXTERIOR LIGHTS TO BE CONTROLLED (TURNS ON AND OFF) BASED UPON OWNER DEFINED SCHEDULE VIA CENTRAL CONTROL SYSTEM'S TIME CLOCK. PHOTO CELLS TO OVERRIDE THE TIME CLOCK IF IT GETS DARKER THAN NORMAL IN SPECIAL CIRCUMSTANCES.

ARL: I:\BKM\A-DC11\Projects\23127.01\Drawings\Acad\EE601 - LIGHTING CONTROL DETAIL AND SEQUENCE

Plotted By: Dylan Martinez | 4/10/2025 10:25 PM

DWG. FILENAME

SEAL

STATE OF MARYLAND — RICHARD ADAM KRUSE — NO. 20513 — REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF | DWN BY: DAM | CHKD BY: RAM

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

LIGHTING CONTROL DETAIL AND SEQUENCE

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

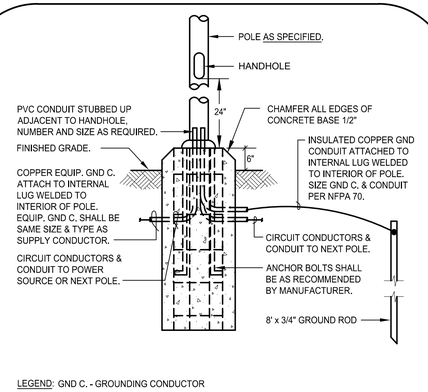
SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E601	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	171 OF 195
	DRAWING NUMBER
	2025-0388
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01

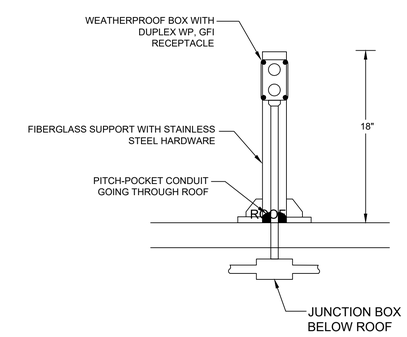


LEGEND: GND C. - GROUNDING CONDUCTOR

1 CONCRETE POLE BASE DETAIL

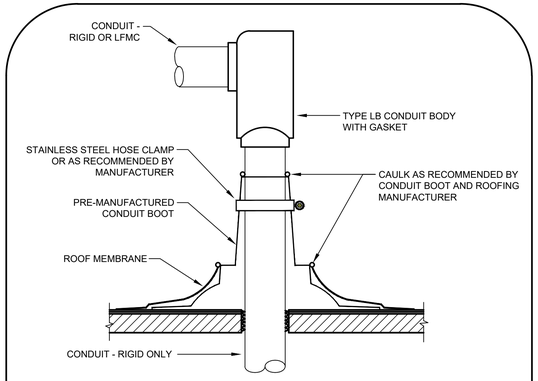
SCALE: NONE

POLE BASE DETAIL IS FOR TYPES J2. EXISTING POLE TO BE REUSED WHERE INDICATED. SEE CIVIL DRAWINGS FOR MORE DETAIL. COORDINATE CONCRETE DIMENSIONS WITH STRUCTURAL AND POLE MANUFACTURER RECOMMENDATIONS.



2 ROOFTOP RECEPTACLE MOUNTING DETAIL

SCALE: NONE

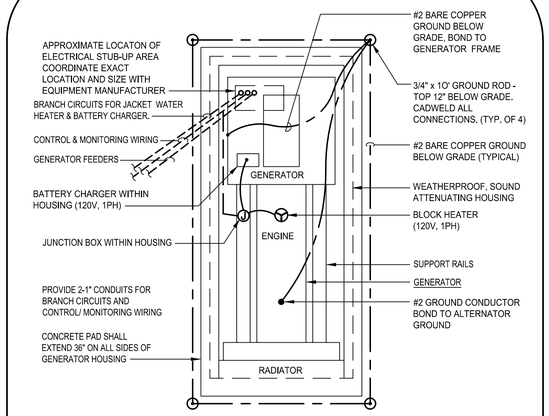


3 CONDUIT ROOF PENETRATION

SCALE: NONE

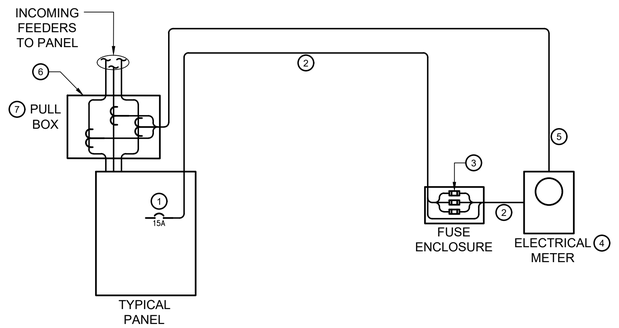
GENERAL NOTES:

a. USE THIS DETAIL ONLY WHERE REQUIRED. STUB-UP THROUGH MECHANICAL EQUIPMENT ROOF CURBS WHEREVER POSSIBLE.



4 GENERATOR CONNECTION DETAIL

SCALE: NONE



GENERAL NOTES:

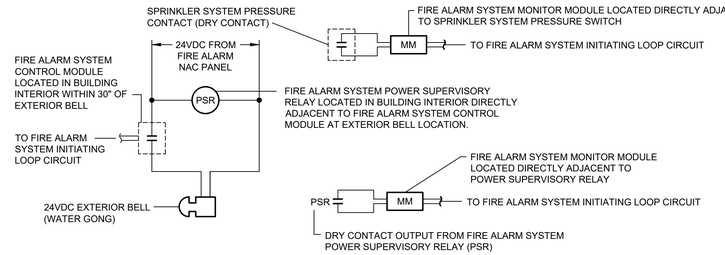
1. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS AND ELEVATION DRAWINGS. APPROVAL IS REQUIRED PRIOR TO INSTALLATION OF ELECTRICAL METERS.

DRAWING NOTES:

1. PROVIDE 3 POLE, 15A CIRCUIT BREAKER.
2. PROVIDE 4#12 +1#12 GRD IN 3/4" CONDUIT.
3. FUSE PER SUPPLIER RECOMMENDATIONS IN A NEMA 1 ENCLOSURE. IF NOT REQUIRED BY SUPPLIER OR AHJ, FUSE MAY BE OMITTED.
4. CLASS 3400 SMART METER WITH DUAL PROTOCOL COMMUNICATIONS BY E-MON D-MON OR APPROVED EQUAL. REFER TO E-200 FOR EXACT MODEL NUMBER. PROVIDE CONNECTION TO DATA JACK FOR INTERFACE WITH THE BUILDING AUTOMATION SYSTEM.
5. PROVIDE CONTROL WIRING TO CURRENT TRANSFORMERS IN CONDUIT TO PULL BOX. (CONTROL WIRING PER SUPPLIER RECOMMENDATIONS)
6. CURRENT TRANSFORMERS (PROVIDED WITH METER). TYPICAL OF 3.
7. SIZE PULL BOX PER NEC.

5 TYPICAL ELECTRICAL METER CONNECTION DETAIL

NOT TO SCALE



6 ELECTRIC WATER GONG CONTROL WIRING DIAGRAM

SCALE: NONE

SEQUENCE OF OPERATION:

1. ACTIVATION OF SPRINKLER SYSTEM LOW PRESSURE WILL OPERATE BELL THROUGH FIRE ALARM SYSTEM.
2. BELL 24VDC POWER IS MONITORED THROUGH FIRE ALARM SYSTEM.
3. LOSS OF 24VDC POWER AT EXTERIOR BELL LOCATION WILL CAUSE THE FIRE ALARM SYSTEM POWER SUPERVISORY RELAY (PSR) TO CHANGE STATUS WHICH WILL RESULT IN A SUPERVISORY SIGNAL AT THE FIRE ALARM SYSTEM CONTROL PANEL.

ARL: \\BKMA-DC11\Projects\23127.01\Drawings\Acad\EE602 - ELECTRICAL DETAILS

Plotted By: Dylan Martinez 5/12/2025 12:03 PM

SEAL: RICHARD ADAM MURPHY, STATE OF MARYLAND, DEC. 20, 2013, REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513 EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JF

DWN BY: DAM

CHKD BY: RAM

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT: APPROVED BY: ____ PROPERTY MANAGER DATE: ____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

ELECTRICAL DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

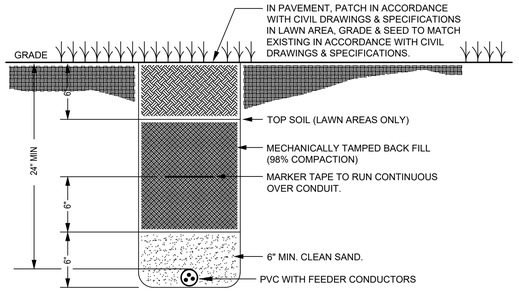
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	JOB ORDER NUMBER
	PO 10-701-1861
	172 OF 195
	DRAWING NUMBER
	2025-0389
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

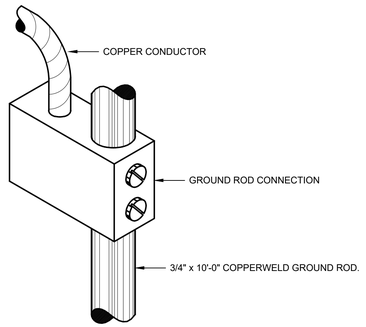
BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 DIRECT BURIED CONDUIT

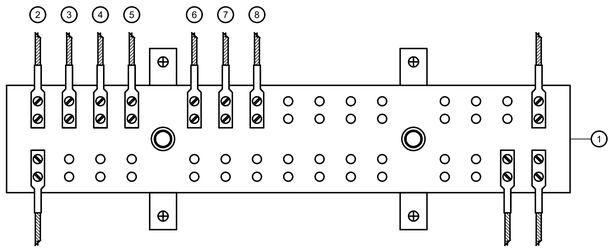
SCALE: NONE



NOTE: THIS DETAIL INDICATED BY THIS SYMBOL ⏚

2 GROUNDING DETAIL

SCALE: NONE

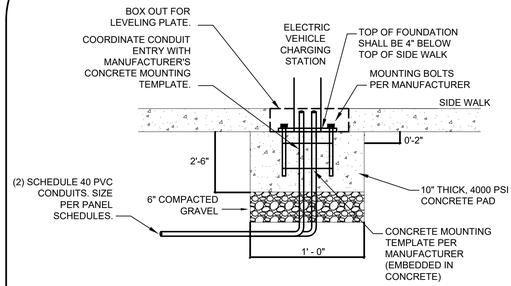


3 SERVICE ENTRANCE - POWER SYSTEM GROUNDING DETAIL

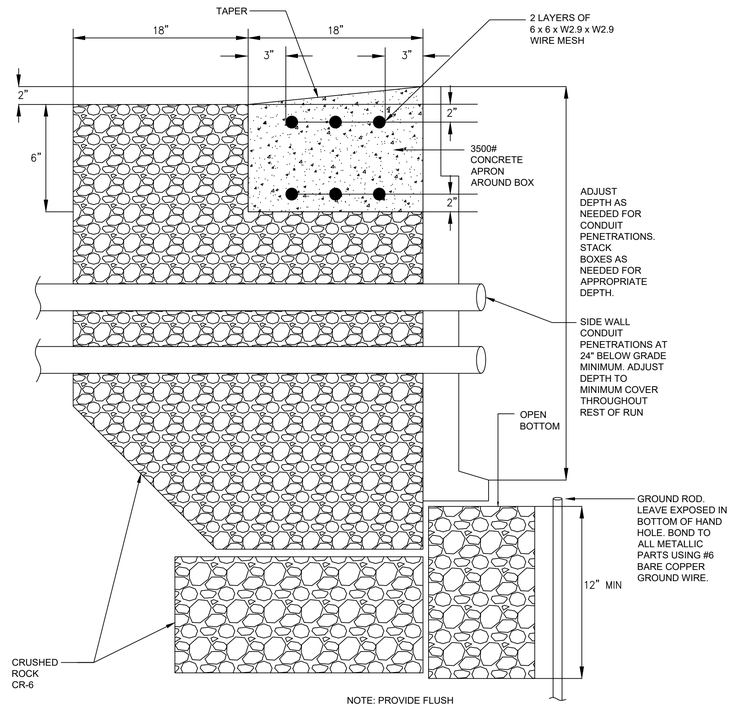
SCALE: NOT TO SCALE

DETAIL DRAWING NOTES:

1. PROVIDE COPPER BUS BAR (MINIMUM 1/4" X 2") IN MAIN ELECTRICAL ROOM CONTAINING MAIN PANEL MDP. MOUNT THE BUS BAR USING STAND-OFF INSULATORS. SIZE BUS BAR TO ALLOW FOR PROPOSED AND FUTURE CONNECTIONS.
2. PROVIDE (1)#3/0 COPPER CONDUCTOR TO MAIN PANEL MDP.
3. PROVIDE (1)#3/0 COPPER CONDUCTOR TO METAL COLD WATER SERVICE ENTRANCE (CONNECT AT THE LOCATION WHERE PIPE ENTERS THE BUILDING AND BEFORE METERS AND FILTERS).
4. PROVIDE (1)#3/0 COPPER CONDUCTOR TO NEAREST BUILDING STRUCTURAL STEEL.
5. PROVIDE (1)#3/0 COPPER CONDUCTOR TO CONCRETE-ENCASED ELECTRODE. COORDINATE THIS CONNECTION WITH FOUNDATION INSTALLER PRIOR TO CONCRETE POUR.
6. PROVIDE (1)#3/0 COPPER CONDUCTOR TO GROUND ROD(S).
7. PROVIDE (1)#3/0 COPPER CONDUCTOR TO MAIN TELECOM GROUNDING BUS BAR. PROVIDE CONTINUATION FOR 2ND FLOOR TELECOM ROOMS. COORDINATE WITH TELECOM CONTRACTOR.
8. PROVIDE (1)#3/0 COPPER CONDUCTOR TO LIGHTNING PROTECTION SYSTEM.



4 EV CHARGER MOUNTING DETAIL



5 HANDHOLE DETAIL

NOT TO SCALE

1. REFER TO UNDERGROUND STRUCTURES SPECIFICATIONS FOR ADDITIONAL HAND HOLE REQUIREMENTS.
2. HAND HOLES SHALL BE QUAZITE PREFABRICATED POLYMER CONCRETE.
3. STONE AND CONCRETE APRON SHALL BE FIELD INSTALLED.

ARL: \\BKMA-DC11\Projects\23127.01\Drawings\Acad\EE603 - ELECTRICAL DETAILS

Plotted By: Dylan Martinez | 4/10/2025 10:21 PM

DWG. FILENAME

SEAL

STATE OF MARYLAND · RICHARD ADAM · 20513 · REGISTERED · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20513 EXPIRATION DATE: 07/17/26

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ELECTRICAL DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

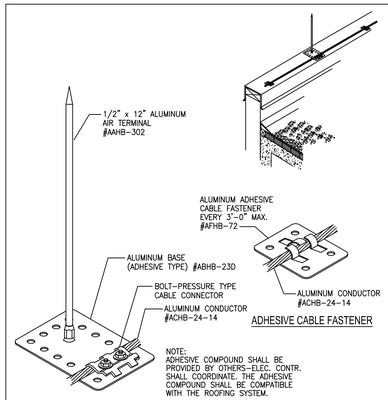
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ELECTION DIST. NO.: 10 C3

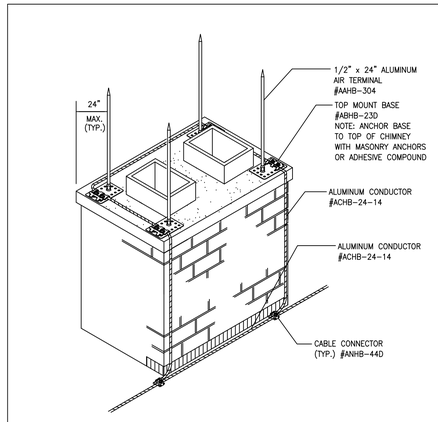
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E603	25010 PO0
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	PO 10-701-1861
	173 OF 195
	DRAWING NUMBER
	2025-0390
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

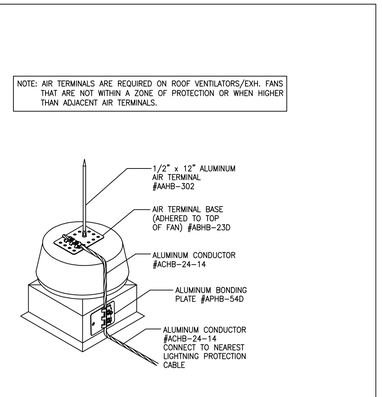
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BKM# 23127.01



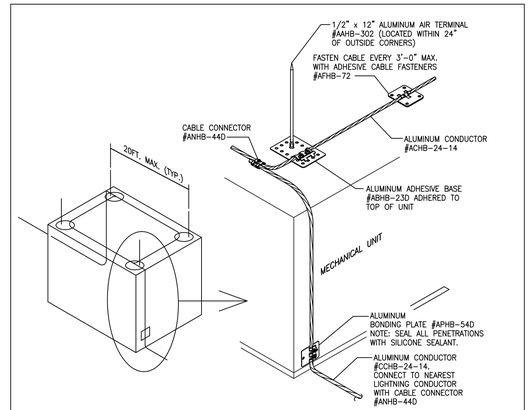
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NTS SYMBOL ●A



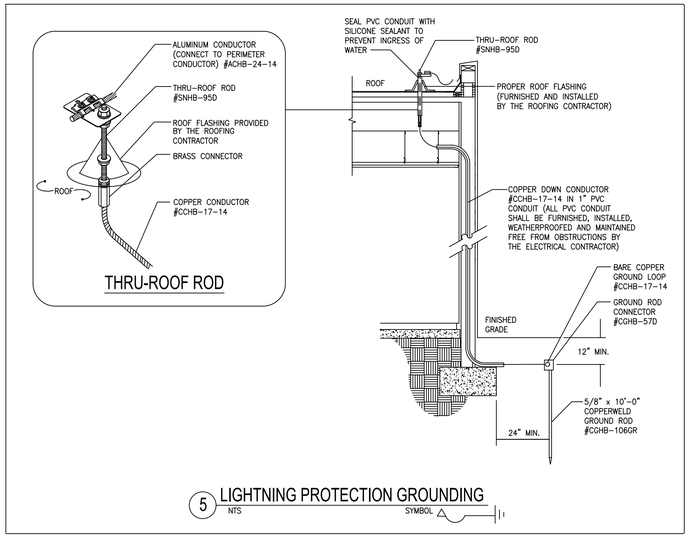
2 AIR TERMINAL AT CHIMNEY
NTS SYMBOL ●C



3 AIR TERMINAL AT EXH. FAN
NTS SYMBOL ●F

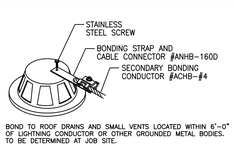


4 LIGHTNING PROTECTION AT ROOF TOP UNIT
NTS SYMBOL ●A

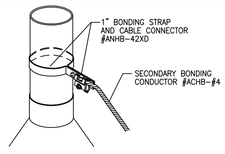


THRU-ROOF ROD

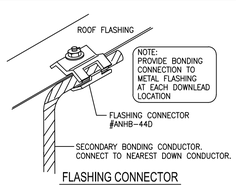
5 LIGHTNING PROTECTION GROUNDING
NTS SYMBOL



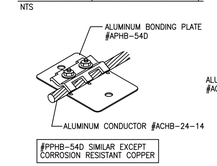
BONDING LUG (METAL ROOF DRAINS)
NTS



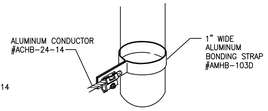
BONDING STRAP AT (METAL VENT PIPES)
NTS



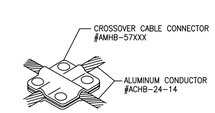
FLASHING CONNECTOR
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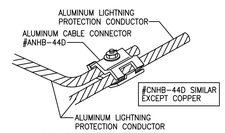
BONDING PLATE
NTS



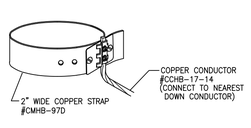
PIPE CLAMP (RAILINGS, ANTENNAS, ETC.)
NTS



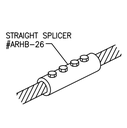
CROSSOVER CABLE CONNECTOR
NTS



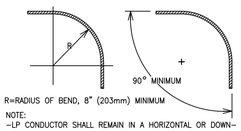
CABLE CONNECTOR
NTS



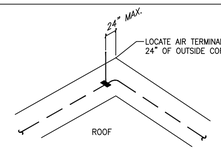
WATERLINE BONDING STRAP
NTS



STRAIGHT SPLICER
NTS



8" MIN. RADIUS BEND IN CABLE



AIR TERMINALS SHALL BE LOCATED WITHIN 24" OF OUTSIDE CORNERS
NTS

ARL:: I:\BKM\e-DC11\Projects\23127.01\Drawings\Acad\EE604 - ELECTRICAL DETAILS

Plotted By: Dylan Martinez | 4/10/2025 10:24 PM

SEAL

STATE OF MARYLAND RICHARD ADAM MURPHY No. 20513 REGISTERED PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20513, EXPIRATION DATE: 07/17/26.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JF
DWN BY: DAM
CHKD BY: RAM

AS-BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12	PLAN SCALE:
	78NE12	
	78NE11	PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
ELECTRICAL DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
E604	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	174 OF 195
	DRAWING NUMBER
	2025-0391
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG FILENAME

BID DOCUMENTS 05/15/2025
BKM# 23127.01

TELECOM LEGEND

DRAWING SYMBOLS

- DRAWING NOTE (APPLIES TO THIS DRAWING ONLY)
- DETAIL, SECTION OR ELEVATION NUMBER / DRAWING NUMBER
- REVISION NUMBER - CLOUDED AREA ON DRAWING CONTAINS REVISION

DEMOLITION SYMBOLS

- EXISTING TELECOM CIRCUIT TO BE REMOVED
- EXISTING TELECOM EQUIPMENT TO BE REMOVED
- EXISITING TELECOM CIRCUIT TO REMAIN
- EXISITING TELECOM EQUIPMENT TO REMAIN

TELECOMMUNICATION SYSTEMS SYMBOLS

- TELECOMMUNICATIONS CONDUIT / PATHWAY
- BELOW GRADE/CONCEALED TELECOM CONDUIT
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT SLEEVE
- 2 - POST TELECOM RACK
- 3/4" FIRE RATED PLYWOOD. (FIRE RATED STAMP SHALL BE VISIBLE FOR INSPECTION AT ALL TIMES)
- XX" / D# — DATA OUTLET IN RECESSED OUTLET BOX 4X4 OUTLET BOX (BOD: RACO 260) WITH 1-1/4" CONDUIT AND PULLSTRING TO ABOVE ACCESSIBLE CEILING. MOUNT OUTLET BOX 18" AFF, UON AND ADJACENT TO ELECTRICAL OUTLETS. CABLE HOMERUN BACK TO TELECOM ROOM SHALL NOT EXCEED 300':
  - "XX" - DENOTES MOUNTING HEIGHT
  - "D#" - DATA CONNECTION, "#" REPRESENT NUMBER OF PORTS
  - "TV" - TELEVISION, REFER TO T402 FOR MOUNTING DETAILS
  - "PR" - PRINTER
- FLOOR AND CEILING DATA OUTLET. CABLE HOMERUN BACK TO TELECOM ROOM SHALL NOT EXCEED 300' UON:
  - PROJ - PROJECTOR
- W — WIRELESS ACCESS POINT
- J — JUNCTION BOX

SECURITY VIDEO SURVEILLANCE

- XX" — SECURITY CAMERA. CEILING OR WALL MOUNTED. TRIANGLE REPRESENTS NUMBER OF SENSORS. PROVIDE 2X4 OUTLET BOX AND CONDUIT PATHWAYS AS INDICATED ON PLANS.
  - "XX" - DENOTES MOUNTING HEIGHT, CEILING MOUNTED IF NO MOUNTING HEIGHT IS INTICATED

INTRUSION DETECTION SYSTEM

- MS — MOTION SENSOR
- DC — DOOR CONTACT
- KP — KEYPAD / ALARM PAD

ACCESS CONTROL

REFER TO DETAIL 4 ON T401 FOR PATHWAY REQUIREMENTS

- CR — CARD READER
- ES — ELECTRIC STRIKE

PUBLIC ADDRESS SYSTEM SYMBOLS (PA)

- SP — PA SPEAKER, CEILING OR WALL MOUNTED. PROVIDE 2X4 BACKBOX AND 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING SPACE. MOUNTING HEIGHT AS INDICATED ON PLANS

CALL FOR AID SYSTEM SYMBOLS

REFER TO T302 FOR MORE INFORMATION ON CALL FOR AID SYSTEM

- D — DOME LIGHT, 24V (BOD: AUTHENTIC PARTS #302-28)
- P — PULLCORD STATION, 24V (BOD: AUTHENTIC PARTS #206-2)
- B — REMOTE BUZZER, 24V (BOD: AUTHENTIC PARTS #1110)
- T — TRANSFORMER P598, WITH 120V PRIMARY / 24V SECONDARY HARDWIRED CONNECTION BY E.C. (BOD: P598)

AUDIO VISUAL SYMBOLS

- AV — AV RACK EQUIPMENT, SHOWN FOR LOCATION AND PATHWAYS ONLY. PROVIDED AND INSTALLED BY OWNER.
- S — AV SPEAKER, CEILING OR WALL MOUNTED. PROVIDE 2X4 BACKBOX AND 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING SPACE. MOUNTING HEIGHT AS INDICATED ON PLANS

NOTE: SOME SYMBOLS MAY NOT BE USED

TELECOM ABBREVIATIONS

A	AMPERE
ACS	ACCESS CONTROL SYSTEM
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ASYM	ASYMMETRICAL
AV	AUDIO VISUAL
BATT	BATTERY
BLDG	BUILDING
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CTR	CENTER
CU	COPPER
CX	CONNECT TO EXISTING
DB	DIRECT BURIAL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EC	ELECTRIC CONTRACTOR
ELEC	ELECTRIC / ELECTRICAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
ETR	EXISTING TO REMAIN
EX	EXISTING
FA	FIRE ALARM
FLA	FULL LOAD AMPERES
GW	GROUND WIRE
GND	GROUND
HZ	HERTZ
IT	INFORMATIONAL TECHNOLOGY
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LTG	LIGHTING
PB	PUSH BUTTON
PNL	PANEL
POTS	PLAIN OLD TELEPHONE SERVICE
PVC	POLYVINYL CHLORIDE
RM	ROOM
RX	REMOVE EXISTING
SW	SWITCH
SCHED	SCHEDULE
TEL	TELEPHONE
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
V	VOLT
VOIP	VOICE OVER INTERNET PROTOCOL
W	WIRE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
TC	TELECOM CONTRACTOR

LOW VOLTAGE SCOPE RESPONSIBILITY MATRIX

	SYSTEM	DIV. 27 CONTRACTOR (COMMUNICATION)		DIV. 28 CONTRACTOR (FIRE ALARM)		DIV. 26 CONTRACTOR (ELECTRICAL)		OWNER		NOTES
		PROVIDE	INSTALL	PROVIDE	INSTALL	PROVIDE	INSTALL	PROVIDE	INSTALL	
PATHWAYS	CONDUIT/RACEWAY/PULLSTRING					X	X			
	CONDUIT SLEEVES					X	X			
	BACKBOXES/MUDRINGS					X	X			
	LADDER TRAY							X	X	
	J-HOOKS / U-HOOKS							X	X	
	FIRESTOPPING					X	X			6
AUDIO VISUAL (AV) / INFORMATION TECHNOLOGY (IT)	HORIZONTAL CABLES DISTRIBUTION							X	X	
	BACKBONE CABLES							X	X	
	PATCHCORDS AT THE RACK							X	X	
	PATCH CORDS AT THE END USER STATION / DEVICE							X	X	
	OUTLETS / FACEPLATES							X	X	
	RACKS / CABINETS							X	X	
	PATCH PANELS							X	X	
	WIRE MANAGERS							X	X	
	FIBER SPLICE ENCLOSURE							X	X	
	POWER DISTRIBUTION UNIT (PDU) OR POWER STRIPS							X	X	3
	RACK AND EQUIPMENT GROUNDING					X			X	4
	GROUNDING SYSTEM					X	X			
	110 BLOCKS							X	X	
	NETWORK EQUIPMENT							X	X	
	IT SOFTWARE							X	X	
	TELEPHONES (VoIP)							X	X	4
	WIRELESS ACCESS POINTS							X	X	4
	PROJECTORS							X	X	2, 4
	MOTORIZED PROJECTION SCREEN							X	X	2, 4
	TELEVISIONS (TV)							X	X	1, 4, 7
	TV MOUNTING HARDWARE							X	X	1, 4
	TV WOOD BLOCKING									1, 4
	TV BACKBOX					X	X			
	COAX DISTRIBUTION (CATV)							X	X	3
	INTERCOM / PUBLIC ADDRESS (PA)							X	X	
	CALL-FOR-AID SYSTEM	X	X							5
VIDEO SURVEILLANCE (CCTV)	CAMERAS							X	X	4
	CAMERA MOUNTING HARDWARE							X	X	
	CAMERA HEADEND EQUIPMENT							X	X	
	SOFTWARE							X	X	
ACCESS CONTROL SYSTEM (ACS)	CARD READERS							X	X	4
	ELECTRIFIED HARDWARE							X	X	1, 4
	SOFTWARE							X	X	
INTRUSION DETECTION SYSTEM (IDS)	MOTION SENSOR			X	X					
	KEY/ALARM PADS			X	X					
	DOOR CONTACTS			X	X					
	SOFTWARE			X	X					

NOTES:
1. PROVIDED UNDER ARCHITECTURAL DESIGNS
2. COORDINATE POWER CONNECTIONS WITH DIVISION 26
3. OWNER TO COORDINATE WITH SERVICE PROVIDER ON COAXIAL CABLE REQUIREMENTS
4. DEVICES ARE INSTALLED BY AN OIT CONTRACTOR. PATHWAY AND BACKBOXES ARE REQUIRED BY DIV 26
5. REFER TO T302 FOR MORE INFORMATION
6. PROVIDE AND INSTALL PENETRATION FIRESTOPPING GREATER THAN OR EQUAL TO THE FIRE RATING OF THE FLOOR, CEILING, WALL, OR PARTITION MATERIAL PER SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH OWNER ON TIMING OF INSTALLING FIRESTOPPING MATERIAL. TO ALL CONDUIT SLEEVES AND PATHWAYS IN FIRE RATED WALLS.
7. REFER TO T402 FOR MORE INFORMATION.

ARL:: I:\BKM\A-DC\1\Projects\23127.01\Drawings\Acad\T1T001 - TELECOM LEGENDS & ABBREVIATIONS

Plotted By: Dylan Martinez | 5/12/2025 2:47 PM

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 55675 EXPIRATION DATE: 01/11/27

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DATE:

DGN BY: JMH

DWN BY: DAM

CHKD BY: JMH

AS–BUILT / REVISION | BY | DATE | P.W.A NO.

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET: UNE

POSITION SHT: 79NE12, 78NE12, 78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TELECOM LEGEND AND ABBREVIATIONS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T001	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	175 OF 195
	DRAWING NUMBER
	2025-0392
	FILE NO.: 8

DWG. FILENAME

BID DOCUMENTS 05/15/2025

BKM# 23127.01

TELECOM GENERAL NOTES

GENERAL NEW WORK NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAME LIST.
2. DRAWINGS SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES AND DEVICES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF AV DEVICES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR COLORS AND FINISHES FOR WIRING DEVICES AND COVERPLATES.
5. THE TELECOM CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES. THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
6. WHEREVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO ALL EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY THE OWNER.
7. IT IS THE INTENT OF THESE DRAWINGS THAT ALL NEW TECHNOLOGY WORK TO BE INSTALLED IN FINISHED AREAS, BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. ANY AND ALL CUTTING AND PATCHING OF SURFACES SHALL BE PROVIDED BY DIV 26 CONTRACTOR.
8. COORDINATE WITH SYSTEMS FURNITURE SUPPLIER FOR DATA CONFIGURATION REQUIREMENTS.

GENERAL NOTES - SPECIAL SYSTEMS:

1. ELECTRICAL CONTRACTOR (E.C.) SHALL BE RESPONSIBLE FOR COORDINATING WITH SPECIAL SYSTEMS SUPPLIERS AND INSTALLERS FOR TELECOMMUNICATIONS, SECURITY, ACCESS CONTROL, CATV, A/V WORK, AND NURSE CALL.
2. E.C. SHALL PERFORM ALL ROUGH-IN WORK FOR SPECIAL SYSTEMS MENTIONED ABOVE INCLUDING EMPTY CONDUITS WITH PULL STRINGS, GANG BOXES, AND CABLE TRAY. OTHER SUPPORT SYSTEMS SUCH AS J-HOOKS, OR U-HOOKS, MAY BE INSTALLED BY SPECIAL SYSTEMS CONTRACTOR OR E.C.
3. E.C. SHALL PERFORM ALL WORK FOR GROUNDING SYSTEM AS REQUIRED FOR SPECIAL SYSTEMS INCLUDING GROUNDING CONDUCTORS, NEW GROUND BUSES, AND BONDING CONNECTIONS. SPECIAL SYSTEMS CONTRACTOR SHALL BOND TO THE GROUNDING SYSTEM PROVIDED BY E.C. ALL GROUNDING SHALL BE PER THE NEC.
4. ALL SPECIAL SYSTEMS CONDUITS INCLUDING SERVICE CONDUITS AND CONDUITS FROM OUTLETS, ETC. SHALL HAVE ENDS BUSHED.
5. ACCESS CONTROL CONTRACTOR SHALL COORDINATE ALL DOOR HARDWARE AND ACCESS CONTROL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO PROCUREMENT.

TECHNOLOGY SCOPE NOTES:

1. ALL LOW VOLTAGE PATHWAYS INCLUDING, BUT NOT LIMITED TO, CONDUITS, BOXES, JUNCTION BOXES, SLEEVES, CHASES, RACEWAYS AND CABLE TRAYS WILL BE PROVIDED BY THE E.C. J-HOOKS TO BE PROVIDED AS REQUIRED FOR SUPPORT OF CABLING WITHIN SPACES.
2. CONTRACTOR SHALL BOND TO THE GROUNDING SYSTEM PROVIDED BY E.C.
3. CONTRACTOR SHALL INSTALL PATHWAYS AND BACKBOXES TO BE USED FOR DATA, VOICE, AND SECURITY AS SHOWN. OWNER WILL PROVIDE ALL NETWORKING HARDWARE SUCH AS CAMERAS, ACCESS POINTS, SWITCHES, ROUTERS, UPS, AND PDUS.
4. OIT CONTRACTOR SHALL PROVIDE PATCH PANELS, NETWORK RACKS, AND LADDER TRAY FOR ALL OWNER PROVIDED HARDWARE.
5. AV CONTRACTOR SHALL PROVIDE AV CABLING AND BACKBOXES. OWNER WILL PROVIDE AND INSTALL ALL AV HARDWARE.
6. PROVIDE AND INSTALL PENETRATION FIRESTOPPING GREATER THAN OR EQUAL TO THE FIRE RATING OF THE FLOOR, CEILING, WALL, OR PARTITION MATERIAL PER SPECIFICATIONS.

TECHNOLOGY GENERAL NOTES:

1. ALL SYSTEMS EQUIPMENT, CABLING, BOXES, FIRESEALS, BONDING AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE NEC GUIDELINES.
2. ALL LOW VOLTAGE CABLING MUST BE INSTALLED ACCORDING TO BICSI GUIDELINES AND METHODS. CABLES SHALL EITHER BE RUN ON CABLE TRAYS, SUPPORTED BY J/U-HOOKS, AND/OR INSTALLED IN CONDUIT PATHWAYS. UNDER NO CIRCUMSTANCES SHALL LOW VOLTAGE CABLES BE DROPPED ACROSS SUSPENDED CEILINGS.
3. ALL CABLING SHALL BE APPROPRIATELY LABELED.
4. CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT PRIOR TO ITS APPROVAL BY OWNER. CONTRACTOR SHALL BE LIABLE FOR IT'S REMOVAL IN ANY SUCH CASE.
5. ANY PENETRATION OF A FIRE-RATED BARRIER MUST BE PROPERLY SEALED WITH FIRESTOPPING MATERIAL IN ACCORDANCE WITH LOCAL AND STATE LAWS AND THE AUTHORITY HAVING JURISDICTION.
6. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR COMPLETE INSTALLATION.
7. THE WORK SHALL BE PERFORMED AND COMPLETED BY EXPERIENCED TRADESMEN WHO ARE LICENSED IN THE JURISDICTION WHERE THE PROJECT IS BEING CONSTRUCTED.
8. THE TECHNOLOGY PLANS ARE DIAGRAMMATIC. ALL WORK MUST BE COORDINATED PRIOR TO INSTALLATION.
9. THE CONTRACTOR SHALL INFORM THE OWNER PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO COMPLETION TO ALLOW FOR SUFFICIENT TIME OF WORK REQUIRING ADDITIONAL COORDINATION.
10. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, INDICATED OR EXPRESSED.
11. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE SITE, ADJOINING SITES AND STRUCTURES, ANY EXISTING STRUCTURES OR BUILDINGS AND SPACES RELEVANT TO THEIR WORK. THE CONTRACTOR SHALL PROVIDE WRITTEN REPORT THAT DETAILS ANY CONDITIONS WHICH MIGHT PREVENT EQUIPMENT INSTALLATION IN THE MANNER SHOWN ON THE CONTRACT DOCUMENTS.
12. NO CONSIDERATION OR ALLOWANCE SHALL BE GIVEN FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED AND INSTALLED PROPERLY.
13. THE CONTRACTOR SHALL NOTIFY THE DESIGNER AND OWNER IN WRITING OF ANY DISCOVERED CONFLICTS BETWEEN EXISTING INSTALLATIONS WHICH ARE NOT SCHEDULED FOR DEMOLITION AND THE WORK INDICATED WITHIN THE CONTRACT DOCUMENTS. SUCH NOTIFICATION SHALL BE ACCOMPANIED BY A DRAWING DELINEATING THE PROPOSED SOLUTION PRIOR TO STARTING WORK IN THE AFFECTED AREA.
14. CABLE AND EQUIPMENT COUNTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL CABLING AND EQUIPMENT NECESSARY AS INDICATED IN FLOOR PLANS.
15. THE CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DOCUMENTATION IN HARDCOPY AND ELECTRONIC FORMAT FOR REVIEW AND APPROVAL BY THE OWNER PRIOR TO JOB COMPLETION. PROVIDE BICSI CLASS 3 LABEL ADMINISTRATION DRAWINGS AND LABELING.
16. THE CONTRACTOR SHALL PROVIDE A COMPLETE PUNCHLIST OF ALL INSTALLED SYSTEMS TO THE OWNER WHEN THE INSTALLED WORK IS READY TO BE EXAMINED BY THE DESIGNER. INCOMPLETE SYSTEMS SHALL NOT BE REVIEWED UNTIL IT IS DETERMINED THAT THE SYSTEM ARE SUBSTANTIALLY COMPLETE.

ARL:\\BKMA-DC111\Projects\23127.01\Drawings\Acad\TT002 - TELECOM GENERAL NOTES

Plotted By: Dylan Martinez | 4/10/2025 10:53 PM

DWG FILENAME

SEAL

STATE OF MARYLAND · JOHN M HARRELL · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 55675 EXPIRATION DATE: 01/11/27

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JMH

DWN BY: DAM

CHKD BY: JMH

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TELECOM GENERAL NOTES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

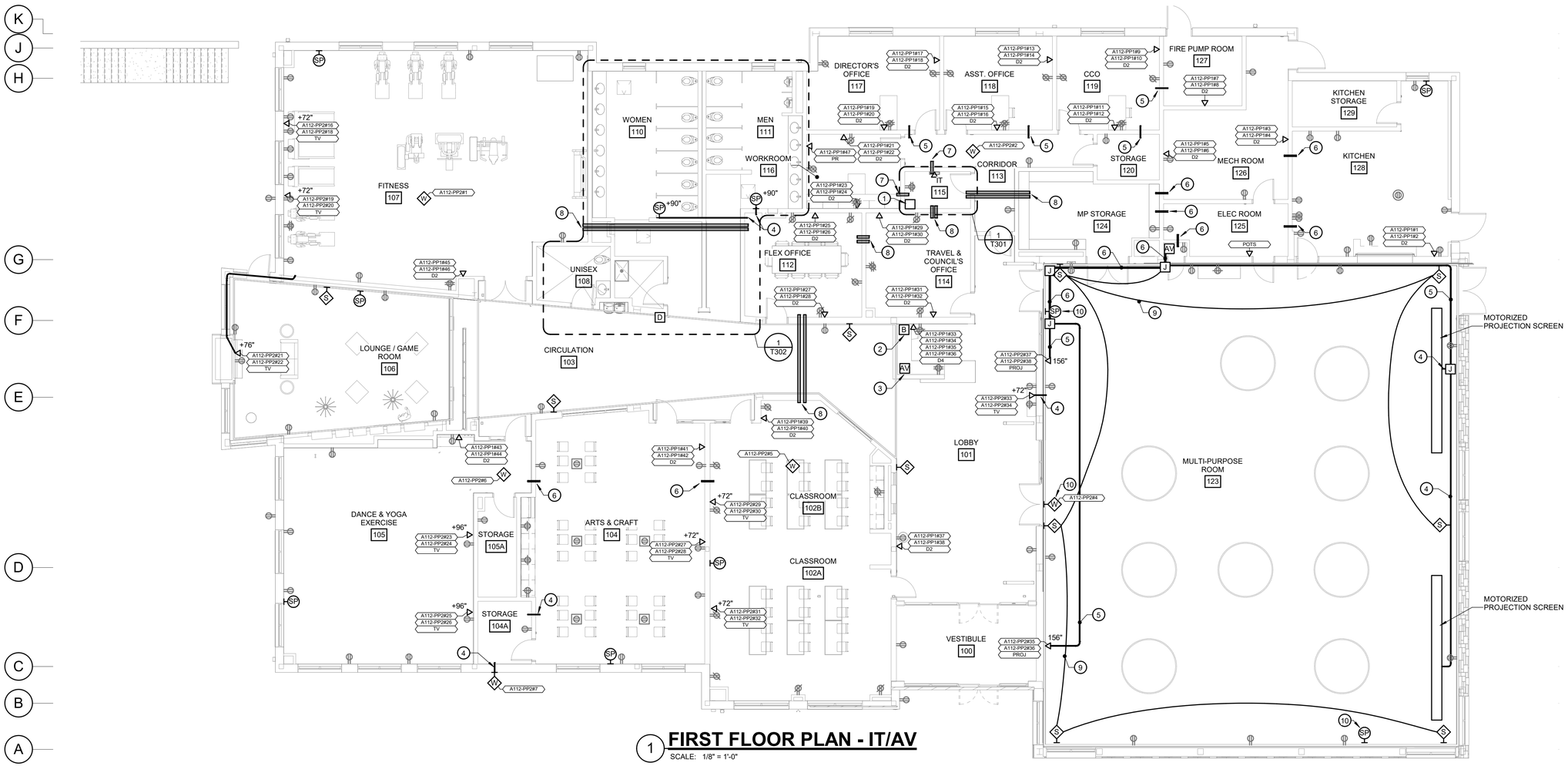
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T002	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	176 OF 195
	DRAWING NUMBER
	2025-0393
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 FIRST FLOOR PLAN - IT/AV

SCALE: 1/8" = 1'-0"

FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

GENERAL NOTES:

1. REFER TO T001 AND T002 FOR TELECOM LEGEND, ABBREVIATIONS GENERAL NOTES, AND RESPONSIBILITY MATRIX.
2. ELECTRICAL OUTLETS ARE SHOWN FOR COORDINATION PURPOSE ONLY AND WILL BE PROVIDED / INSTALLED UNDER DIVISION 26.
3. WALL MOUNTED WAP'S AND BACKBOXES SHALL BE INSTALLED AT A MAX OF 8' A.F.F.
4. CONDUIT ROUTING IS DIAGRAMMATIC AND ONLY SHOWS INTENT. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CONDUIT IN A CLEAN AND RECTILINEAR MANNER, HIDDEN FROM VIEW WHEREVER POSSIBLE.

DRAWING NOTES:

1. TELECOM DEMARCATION. REFER TO DRAWINGS E003 AND T301 FOR MORE INFORMATION.
2. BUZZER IS PART OF AID-TO-CALL SYSTEM. REFER TO T302 FOR MORE INFORMATION.
3. AMPLIFIER LOCATION FOR LOBBY MUSIC. CONTRACTOR SHALL PROVIDE (1) 1" CONDUIT CONCEALED IN WALL TO ABOVE CEILING AND BACKBOX FOR OWNER TO INSTALL CABLES AND EQUIPMENT.
4. PROVIDE 3/4" CONDUIT.
5. PROVIDE 1" CONDUIT.
6. PROVIDE 2" CONDUIT.
7. PROVIDE (1) 4" CONDUIT.
8. PROVIDE (2) 4" CONDUIT.
9. PROVIDE 2"CONDUIT PATHWAYS TO SPEAKERS IN MULTIPURPOSE ROOM AND ROUTE TO AV EQUIPMENT IN CLOSET.
10. PROVIDE BACKBOX AND 2" CONDUIT PATHWAYS TO DEVICE. PATHWAYS SHALL BE ROUTED BACK TO IT ROOM 124.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

DWG FILENAME

SEAL: STATE OF MARYLAND · JOHN M HARTER · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JMH

DWN BY: DAM

CHKD BY: JMH

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - TELECOM

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

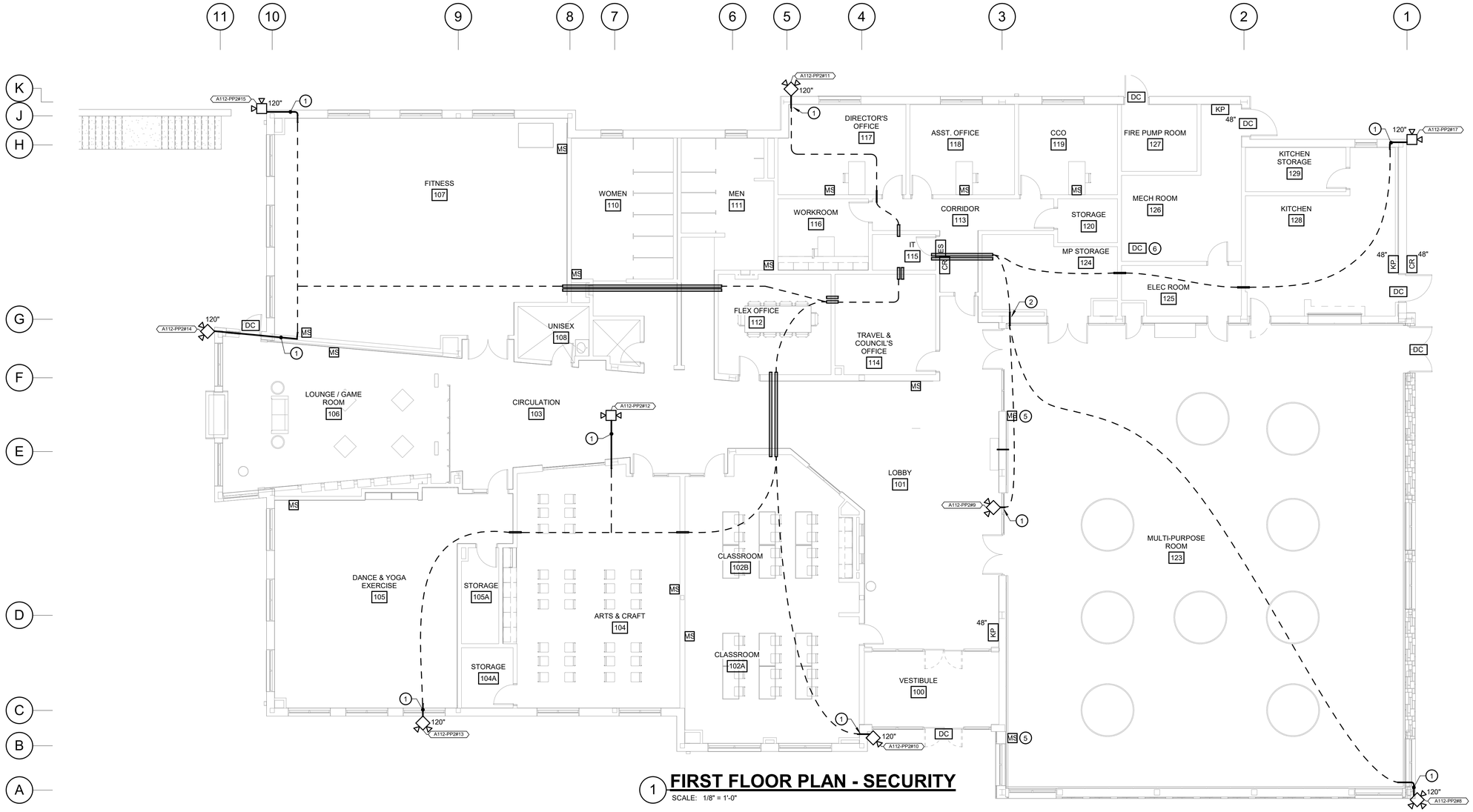
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T101	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	177 OF 195
	DRAWING NUMBER
	2025-0394
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025

BKM# 23127.01



1 FIRST FLOOR PLAN - SECURITY

SCALE: 1/8" = 1'-0"

FIRST FLOOR RM LIST	
100	VESTIBULE
101	LOBBY
102A	CLASSROOM
102B	CLASSROOM
103	CIRCULATION
104	ARTS & CRAFT
104A	STORAGE
105	DANCE & YOGA EXERCISE
105A	STORAGE
106	LOUNGE / GAME ROOM
107	FITNESS
108	UNISEX
109	JC
110	WOMEN
111	MEN
112	FLEX OFFICE
113	CORRIDOR
114	TRAVEL & COUNCIL'S OFFICE
115	IT
116	WORKROOM
117	DIRECTOR'S OFFICE
118	ASST. OFFICE
119	CCO
120	STORAGE
123	MULTI-PURPOSE ROOM
124	MP STORAGE
125	ELEC ROOM
126	MECH ROOM
127	FIRE PUMP ROOM
128	KITCHEN
129	KITCHEN STORAGE

GENERAL NOTES:

1. REFER TO T001 AND T002 FOR TELECOM LEGEND, ABBREVIATIONS GENERAL NOTES, AND RESPONSIBILITY MATRIX.
2. CAMERAS SHALL BE PROVIDED AND INSTALLED BY COUNTY. CONTRACTOR SHALL PROVIDE PATHWAYS AND BACKBOXES NECESSARY FOR ALL CAMERA LOCATIONS AS INDICATED.
3. CONTRACTOR SHALL PROVIDE ALL PATHWAYS AND BACKBOXES REQUIRED FOR CARD READERS. CARD READERS SHALL BE INSTALLED BY COUNTY. REFER TO DETAILS FOR MORE INFORMATION ON PATHWAYS.
4. DASHED LINES INDICATE PROPOSED CONCEALED CABLE RUNS ABOVE ACCESSIBLE CEILINGS.
5. CONDUIT ROUTING IS DIAGRAMMATIC AND ONLY SHOWS INTENT. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CONDUIT IN A CLEAN AND RECTILINEAR MANNER, HIDDEN FROM VIEW WHEREVER POSSIBLE.

DRAWING NOTES:

1. PROVIDE 3/4" CONDUIT.
2. PROVIDE 1" CONDUIT.
3. PROVIDE 4" CONDUIT.
4. PROVIDE (2) 4" CONDUIT.
5. PROVIDE WIRE MESH CAGE FOR MOTION SENSORS IN MULTIPURPOSE ROOM.
6. DOOR CONTACT FOR HATCH TO ROOF.

0 2 4 8 16 24

SCALE: 1/8" = 1'-0"

SEAL

STATE OF MARYLAND · JOHN M HARBERT · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: JMH
DWN BY: DAM
CHKD BY: JMH

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT	DRAWING SCALE	
UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRST FLOOR PLAN - SECURITY

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T201	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	178 OF 195
	DRAWING NUMBER
	2025-0395
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

CIVIL FULSHARE

BID DOCUMENTS 05/15/2025

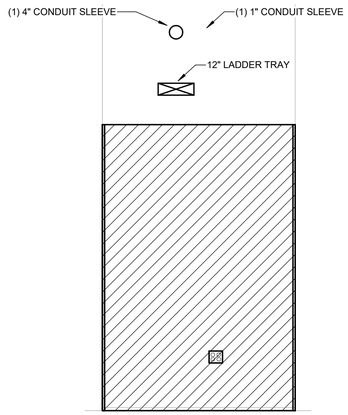
BKM# 23127.01

GENERAL NOTES:

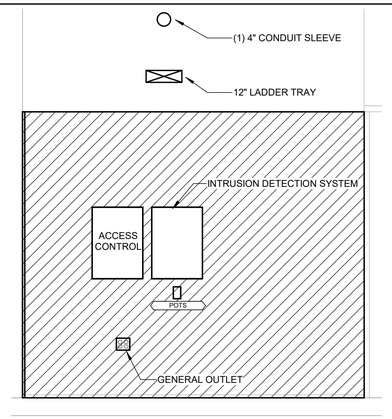
1. REFER TO T001 AND T002 FOR TELECOM LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. TELECOM ROOM LAYOUTS SHOWN FOR INFORMATIONAL PURPOSE ONLY. REFER TO RESPONSIBILITY MATRIX ON T001.
3. ALL ELECTRICAL OUTLETS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

○ DRAWING NOTES:

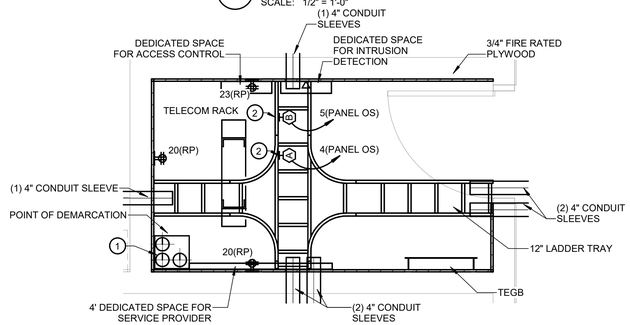
1. STUB UP LOCATION FOR SERVICE PROVIDER CONDUITS. REFER TO ELECTRICAL SITE PLANS ON E003 FOR MORE INFORMATION. (CONTAINS (3) 4" FOR SERVICE PROVIDER.)
2. ELECTRICAL OUTLETS SHALL BE MOUNTED ON LADDER TRAY. COORDINATE EXACT LOCATION WITH SERVER RACK.



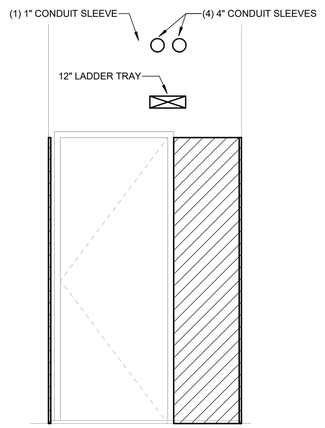
2 IT - WEST
SCALE: 1/2" = 1'-0"



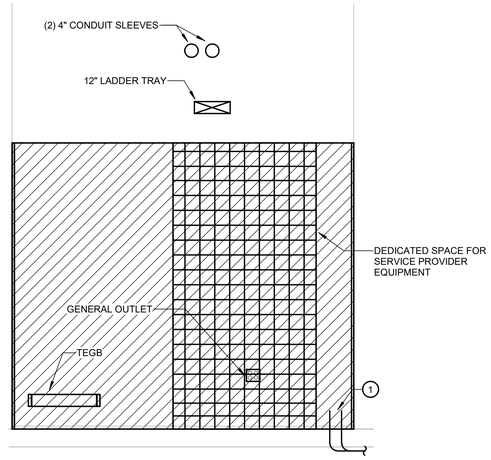
3 IT - NORTH
SCALE: 1/2" = 1'-0"



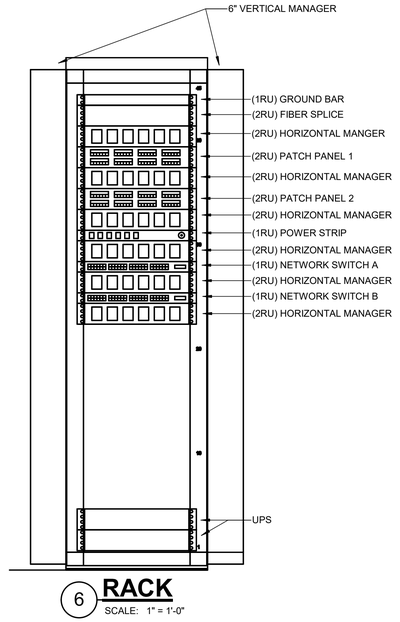
1 IT ROOM
SCALE: 1/2" = 1'-0"



4 IT EAST
SCALE: 1/2" = 1'-0"



5 IT SOUTH
SCALE: 1/2" = 1'-0"



6 RACK
SCALE: 1" = 1'-0"

DWG FILENAME

SEAL

STATE OF MARYLAND · JOHN M HARTER · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION		BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.							UNE	79NE12 78NE12 78NE11	PLAN SCALE:		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.		CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE:
ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.	DGN BY: JMH	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS–BUILT PER RECORD PRINT	DWN BY: DAM	REVIEWED BY:									
BY: DATE:	CHKD BY: JMH	DATE REVIEWED:									

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PART FLOOR PLAN - TELECOM - NEW WORK

BID DOCUMENTS 05/15/2025

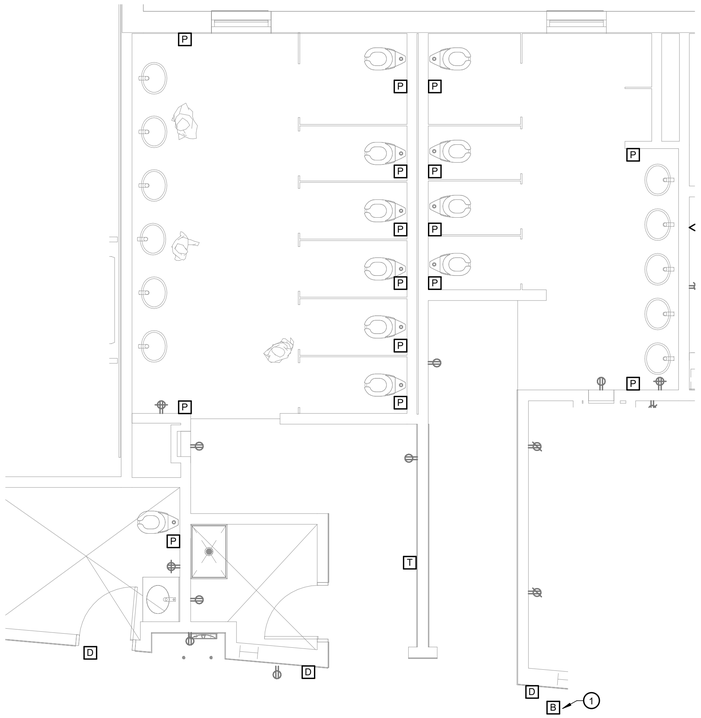
3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T301	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	179 OF 195
	DRAWING NUMBER
	2025-0396
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01



1 FIRST FLOOR PART PLAN - AID-TO-CALL SYSTEM

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

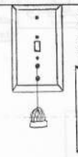
1. REFER TO T001 AND T002 FOR TELECOM LEGEND, ABBREVIATIONS GENERAL NOTES, AND RESPONSIBILITY MATRIX.

DRAWING NOTES:

1. REMOTE BUZZER LOCATED AT RECEPTION DESK. REFER TO T101 FOR EXACT LOCATION.

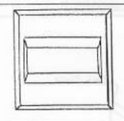
AUTHENTIC PARTS

Handicapped/CALL-FOR-AID Kit P/N LV-24
Kit Contains:
1- Pullcord Station 206-2
1- Dome Light 302-2B
1- Transformer



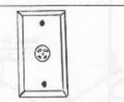
Pullcord Station 206-2 P/N 120606-01
The 206-2 emergency pullcord station provides emergency call placement with reset capability only at the call iniating station.
Material: Satin Stainless Steel Overall Dimension 4 1/2H X 2 3/4" W
Unit Mounts on a single gang electrical box.

Pushbutton Station 206-2S P/N 120606-24
Same as above with pushbutton instead of pullcord



Dome Light 302-2B P/N 945075-03

The dome light is designed to be installed over the door(s) outside the restroom(s). Each unit contains a buzzer for an audible alarm and two lamps (GE #1820, 24V bayonet type) for call indications which may be used for one or two separate areas. For two separate areas, domelight must be mounted horizontally to create a left and a right indication.
Material: Satin Stainless Steel Overall Dimensions: 41/2"H X 41/2"W
Unit mounts on a single gang electrical box.

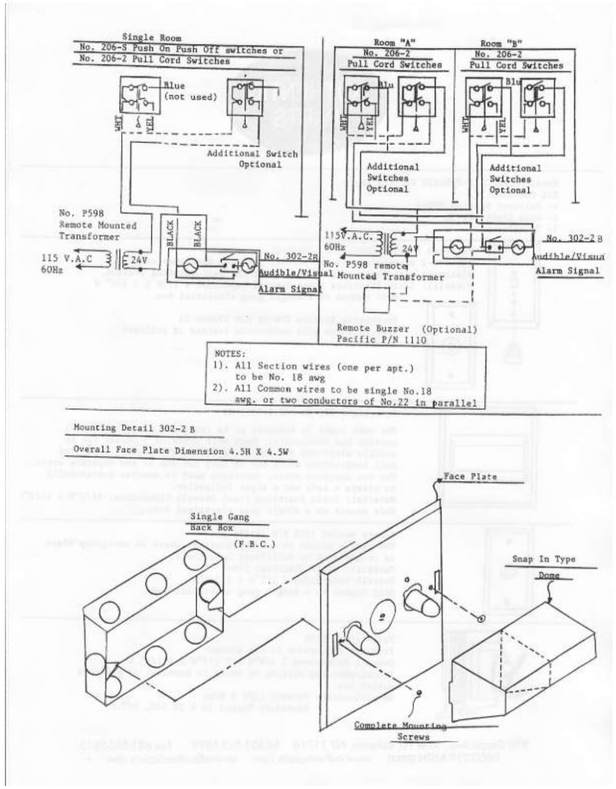


Remote Buzzer 1110 P/N 111101-01
The remote buzzer is for applications where an emergency alarm is required at an additional location(s).
Material: Satin Stainless Steel
Overall Dimensions 4 1/2"H X 2 3/4"W
Unit mounts on a single gang electrical box.



Transformer P598
Provides AC current to the system.
Overall Dimensions 2 1/8"H X 2 1/2"W X 2 1/4" D
Transformer has fitting to mount in knockout of standard outlet box.
Specification: Primary 110V @ 60Hz
Secondary Tapped 16 & 24 VAC, 30V.A.

850 Lincoln Ave., Suite 10, Bohemia, NY 11716 Tel 631-563-5899 Fax 631-563-5853
1-800-229-AUTH (2884) www.authenticparts.com service@authenticparts.com



2 AID-TO-CALL WIRING DIAGRAM

SCALE: 1" = 1'-0"

DWG FILENAME

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND JOHN M HARTER 55675 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.					UNE	79NE12 78NE12 78NE11	PLAN SCALE: PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE:	ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC. DGN BY: JMH	CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

AS–BUILT PER RECORD PRINT
BY:
DATE:
DWN BY: DAM
CHKD BY: JMH

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

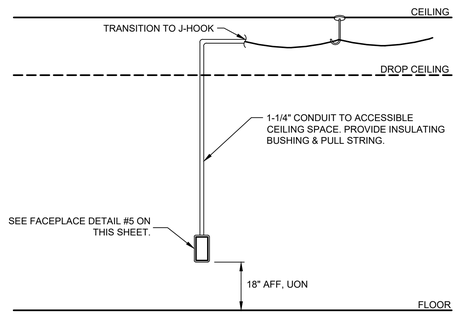
JACKSONVILLE SENIOR CENTER
PART FLOOR PLAN - AID-TO-CALL SYSTEM
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T302	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	180 OF 195
	DRAWING NUMBER
	2025-0397
	FILE NO.: 8

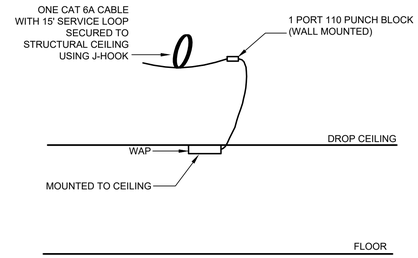
BALTIMORE COUNTY MARYLAND

BID DOCUMENTS 05/15/2025
BKM# 23127.01



1 TYPICAL DATA PATHWAY REQUIREMENT

SCALE: NOT TO SCALE

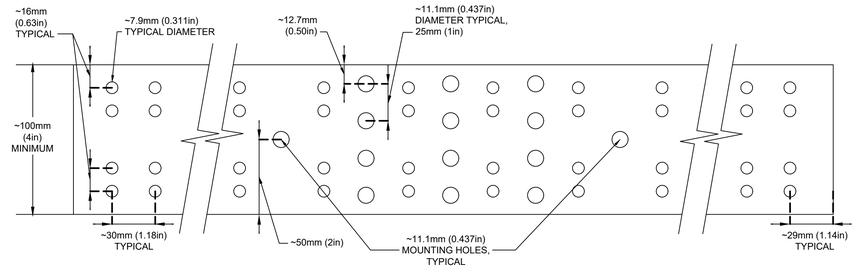


DETAIL NOTES:

1. CABLES SHALL BE TERMINATED AND TESTED IN ACCORDANCE WITH ANSI/TIA-568-C.2.

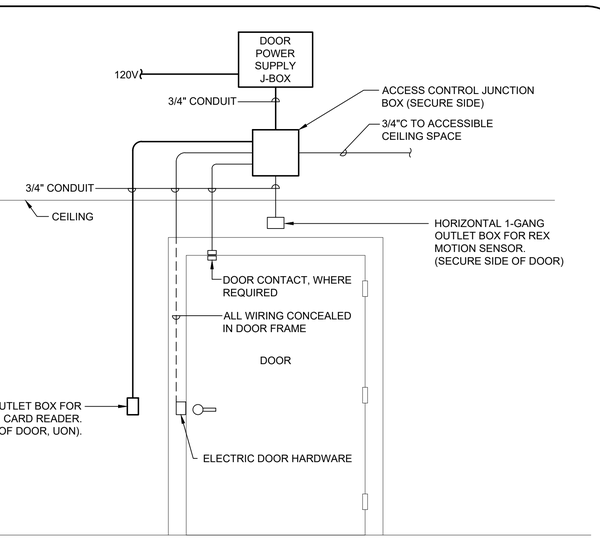
2 W PATHWAY

SCALE: NOT TO SCALE



3 TEGB GROUNDING DETAIL

SCALE: NONE

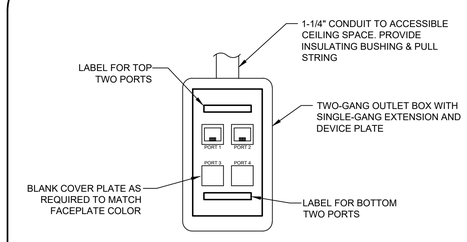


4 ACCESS CONTROL SYSTEM CARD READER DETAIL

NO SCALE

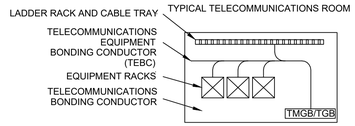
DETAIL NOTES:

1. DETAIL INDICATED FOR TYPICAL ACS PATHWAYS ONLY. STRONGER LINEWEIGHT IS CONTRACTOR PROVIDED. OWNER/OWNER VENDORS SHALL INSTALL ALL DEVICES AND WIRE.



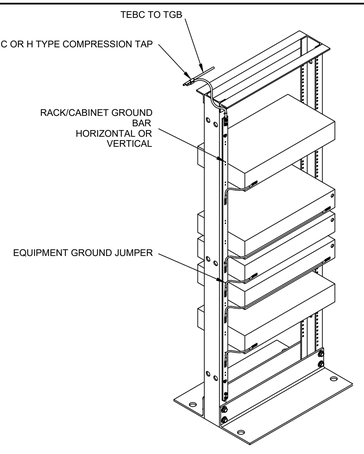
5 DATA FACEPLATE

SCALE: NOT TO SCALE



DETAIL NOTES:

1. REFER TO ELECTRICAL SERVICE ENTRANCE GROUNDING DETAIL FOR MORE INFORMATION.
2. BONDING AND GROUNDING SHALL BE PROVIDED FOR ALL LOW-VOLTAGE SYSTEMS.
3. IF A TMGB IS PRESENT/REQUIRED, IT SHALL BE NO FURTHER THAN 30' FROM THE MAIN ELECTRICAL SERVICE ENTRANCE AND PANEL. THE TGB SHALL BE BONDED TO BUILDING STRUCTURAL STEEL AND THE NEAREST BRANCH PANEL.
4. BONDING AND GROUNDING SYSTEM SHALL FOLLOW TELECOMMUNICATIONS PATHWAYS AND SPACES.
5. BONDING AND GROUNDING SYSTEM SHALL BE BONDED TO THE BUILDING ELECTRICAL GROUND.
6. BONDING AND GROUNDING SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF THE BICSI TDMM, NEC, AND ANSI/TIA 607-C.



6 TELECOM/TECHNOLOGY GROUNDING DIAGRAM

SCALE: NOT TO SCALE

CABLE COLOR	DESCRIPTION	SYSTEM
RED	EMERGENCY / LIFE SAFETY	FIRE ALARM
ORANGE	DEMARCATION	DEMARC
GREEN	VOICE	TELEPHONE
BLUE	DATA	DATA / PRINTER / TV
PURPLE	SECURITY / CCTV	ACCESS CONTROLS / SECURITY CAMERAS

7 CAT 6 CABLE + JACK COLOR CODING

SCALE: NONE

SEAL

STATE OF MARYLAND · JOHN M HARTER · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

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ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JMH

DWN BY: DAM

CHKD BY: JMH

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE
UNE	79NE12	PLAN SCALE:
	78NE12	
	78NE11	PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

SUBDIVISION: JACKSONVILLE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TELECOM DETAILS

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T401	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	181 OF 195
	DRAWING NUMBER
	2025-0398
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

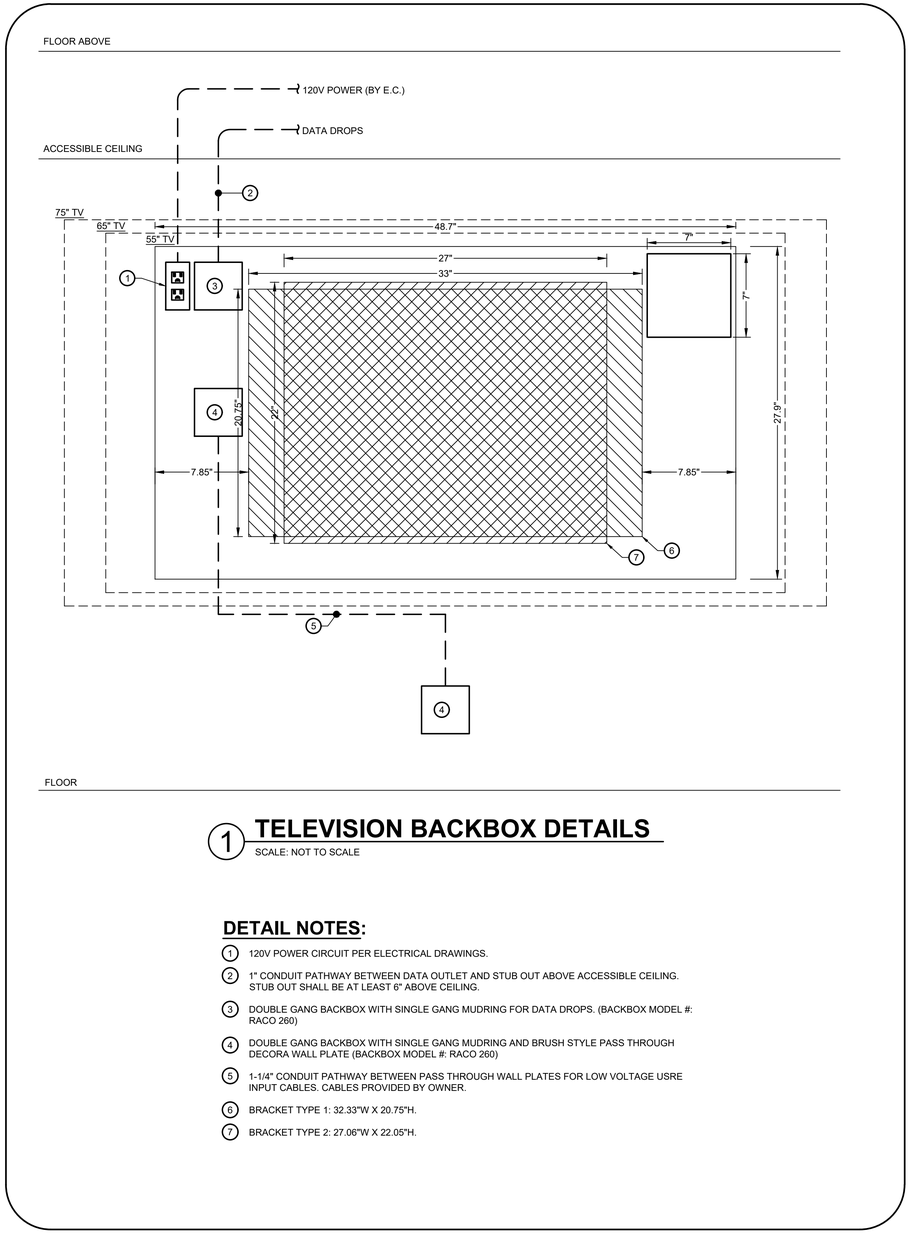
DWG FILENAME

BID DOCUMENTS 05/15/2025

BKM# 23127.01

ARL:: I:\BKM-DC11\Projects\23127.01\Drawings\Acad\T1T401 - TELECOM DETAILS

Plotted By: Dylan Martinez | 4/10/2025 10:54 PM



1 TELEVISION BACKBOX DETAILS

SCALE: NOT TO SCALE

DETAIL NOTES:

1. 120V POWER CIRCUIT PER ELECTRICAL DRAWINGS.
2. 1" CONDUIT PATHWAY BETWEEN DATA OUTLET AND STUB OUT ABOVE ACCESSIBLE CEILING. STUB OUT SHALL BE AT LEAST 6" ABOVE CEILING.
3. DOUBLE GANG BACKBOX WITH SINGLE GANG MUDRING FOR DATA DROPS. (BACKBOX MODEL #: RACO 260)
4. DOUBLE GANG BACKBOX WITH SINGLE GANG MUDRING AND BRUSH STYLE PASS THROUGH DECORA WALL PLATE (BACKBOX MODEL #: RACO 260)
5. 1-1/4" CONDUIT PATHWAY BETWEEN PASS THROUGH WALL PLATES FOR LOW VOLTAGE USRE INPUT CABLES. CABLES PROVIDED BY OWNER.
6. BRACKET TYPE 1: 32.33"W X 20.75"H.
7. BRACKET TYPE 2: 27.06"W X 22.05"H.

ARL:: I:\BKM\A-DC11\Projects\23127.01\Drawings\Acad\T1402 - TELECOM DETAILS

Plotted By: Dylan Martinez | 4/10/2025 10:54 PM

DWG FILENAME

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS–BUILT PER RECORD PRINT

DATE:

BY:
DATE:

DGN BY: JMH
DWN BY: DAM
CHKD BY: JMH

AS–BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED: _____ PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
TELECOM DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T402	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	182 OF 195
	DRAWING NUMBER
	2025-0399
	FILE NO.: 8

BID DOCUMENTS 05/15/2025
BKM# 23127.01

DATA DEVICE SCHEDULE A112-PP1

DEVICE IDENTIFIER	PATCH PANEL DESIGNATION	PORT #	DATA TAG	CABLE TYPE	ROOM NAME	ROOM NUMBER	NOTES
A112-PP1#1	A112-PP1	1	D2	CAT6A	KITCHEN	128	
A112-PP1#2	A112-PP1	2	D2	CAT6A	KITCHEN	128	
A112-PP1#3	A112-PP1	3	D2	CAT6A	MECH ROOM	126	
A112-PP1#4	A112-PP1	4	D2	CAT6A	MECH ROOM	126	
A112-PP1#5	A112-PP1	5	D2	CAT6A	MECH ROOM	126	
A112-PP1#6	A112-PP1	6	D2	CAT6A	MECH ROOM	126	
A112-PP1#7	A112-PP1	7	D2	CAT6A	FIRE PUMP ROOM	127	
A112-PP1#8	A112-PP1	8	D2	CAT6A	FIRE PUMP ROOM	127	
A112-PP1#9	A112-PP1	9	D2	CAT6A	CCO	119	
A112-PP1#10	A112-PP1	10	D2	CAT6A	CCO	119	
A112-PP1#11	A112-PP1	11	D2	CAT6A	CCO	119	
A112-PP1#12	A112-PP1	12	D2	CAT6A	CCO	119	
A112-PP1#13	A112-PP1	13	D2	CAT6A	ASST. OFFICE	118	
A112-PP1#14	A112-PP1	14	D2	CAT6A	ASST. OFFICE	118	
A112-PP1#15	A112-PP1	15	D2	CAT6A	ASST. OFFICE	118	
A112-PP1#16	A112-PP1	16	D2	CAT6A	ASST. OFFICE	118	
A112-PP1#17	A112-PP1	17	D2	CAT6A	DIRECTOR'S OFFICE	117	
A112-PP1#18	A112-PP1	18	D2	CAT6A	DIRECTOR'S OFFICE	117	
A112-PP1#19	A112-PP1	19	D2	CAT6A	DIRECTOR'S OFFICE	117	
A112-PP1#20	A112-PP1	20	D2	CAT6A	DIRECTOR'S OFFICE	117	
A112-PP1#21	A112-PP1	21	D2	CAT6A	WORKROOM	116	
A112-PP1#22	A112-PP1	22	D2	CAT6A	WORKROOM	116	
A112-PP1#23	A112-PP1	23	D2	CAT6A	WORKROOM	116	
A112-PP1#24	A112-PP1	24	D2	CAT6A	WORKROOM	116	
A112-PP1#25	A112-PP1	25	D2	CAT6A	FLEX OFFICE	112	
A112-PP1#26	A112-PP1	26	D2	CAT6A	FLEX OFFICE	112	
A112-PP1#27	A112-PP1	27	D2	CAT6A	FLEX OFFICE	112	
A112-PP1#28	A112-PP1	28	D2	CAT6A	FLEX OFFICE	112	
A112-PP1#29	A112-PP1	29	D2	CAT6A	TRAVEL & COUNCIL'S OFFICE	114	
A112-PP1#30	A112-PP1	30	D2	CAT6A	TRAVEL & COUNCIL'S OFFICE	114	
A112-PP1#31	A112-PP1	31	D2	CAT6A	TRAVEL & COUNCIL'S OFFICE	114	
A112-PP1#32	A112-PP1	32	D2	CAT6A	TRAVEL & COUNCIL'S OFFICE	114	
A112-PP1#33	A112-PP1	33	D4	CAT6A	LOBBY	101	
A112-PP1#34	A112-PP1	34	D2	CAT6A	LOBBY	101	
A112-PP1#35	A112-PP1	35	D3	CAT6A	LOBBY	101	
A112-PP1#36	A112-PP1	36	D4	CAT6A	LOBBY	101	
A112-PP1#37	A112-PP1	37	D2	CAT6A	LOBBY	101	
A112-PP1#38	A112-PP1	38	D2	CAT6A	LOBBY	101	
A112-PP1#39	A112-PP1	39	D2	CAT6A	CLASSROOM	102B	
A112-PP1#40	A112-PP1	40	D2	CAT6A	CLASSROOM	102B	
A112-PP1#41	A112-PP1	41	D2	CAT6A	ARTS & CRAFT	104	
A112-PP1#42	A112-PP1	42	D2	CAT6A	ARTS & CRAFT	104	
A112-PP1#43	A112-PP1	43	D2	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP1#44	A112-PP1	44	D2	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP1#45	A112-PP1	45	D2	CAT6A	FITNESS	107	
A112-PP1#46	A112-PP1	46	D2	CAT6A	FITNESS	107	
A112-PP1#47	A112-PP1	47	PR	CAT6A	WORKROOM	116	

DATA DEVICE SCHEDULE A112-PP2

DEVICE IDENTIFIER	PATCH PANEL DESIGNATION	PORT #	DATA TAG	CABLE TYPE	ROOM NAME	ROOM NUMBER	NOTES
A112-PP2#1	A112-PP2	1	W	CAT 6A	FITNESS	107	
A112-PP2#2	A112-PP2	2	W	CAT 6A	CORRIDOR	113	
A112-PP2#4	A112-PP2	4	W	CAT 6A	MULTI-PURPOSE ROOM	123	
A112-PP2#5	A112-PP2	5	W	CAT 6A	CLASSROOM	102B	
A112-PP2#6	A112-PP2	6	W	CAT 6A	DANCE & YOGA EXERCISE	105	
A112-PP2#7	A112-PP2	7	W	CAT 6A			EXTERIOR
A112-PP2#8	A112-PP2	8	C	CAT 6A			EXTERIOR
A112-PP2#9	A112-PP2	9	C	CAT 6A			
A112-PP2#10	A112-PP2	10	C	CAT 6A			EXTERIOR
A112-PP2#11	A112-PP2	11	C	CAT 6A			EXTERIOR
A112-PP2#12	A112-PP2	12	C	CAT 6A	CIRCULATION	103	
A112-PP2#13	A112-PP2	13	C	CAT 6A			EXTERIOR
A112-PP2#14	A112-PP2	14	C	CAT 6A			EXTERIOR
A112-PP2#15	A112-PP2	15	C	CAT 6A			EXTERIOR
A112-PP2#16	A112-PP2	16	TV	CAT6A	FITNESS	107	
A112-PP2#17	A112-PP2	17	C	CAT 6A			EXTERIOR
A112-PP2#18	A112-PP2	18	D2	CAT6A	FITNESS	107	
A112-PP2#19	A112-PP2	19	TV	CAT6A	FITNESS	107	
A112-PP2#20	A112-PP2	20	D2	CAT6A	FITNESS	107	
A112-PP2#21	A112-PP2	21	TV	CAT6A	LOUNGE / GAME ROOM	106	
A112-PP2#22	A112-PP2	22	D2	CAT6A	LOUNGE / GAME ROOM	106	
A112-PP2#23	A112-PP2	23	TV	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP2#24	A112-PP2	24	D2	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP2#25	A112-PP2	25	TV	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP2#26	A112-PP2	26	D2	CAT6A	DANCE & YOGA EXERCISE	105	
A112-PP2#27	A112-PP2	27	TV	CAT6A	ARTS & CRAFT	104	
A112-PP2#28	A112-PP2	28	D2	CAT6A	ARTS & CRAFT	104	
A112-PP2#29	A112-PP2	29	TV	CAT6A	CLASSROOM	102B	
A112-PP2#30	A112-PP2	30	D2	CAT6A	CLASSROOM	102B	
A112-PP2#31	A112-PP2	31	TV	CAT6A	CLASSROOM	102A	
A112-PP2#32	A112-PP2	32	D2	CAT6A	CLASSROOM	102A	
A112-PP2#33	A112-PP2	33	TV	CAT6A	LOBBY	101	
A112-PP2#34	A112-PP2	34	D2	CAT6A	LOBBY	101	
A112-PP2#35	A112-PP2	35	PROJ	CAT6A	MULTI-PURPOSE ROOM	123	
A112-PP2#36	A112-PP2	36	D2	CAT6A	MULTI-PURPOSE ROOM	123	
A112-PP2#37	A112-PP2	37	PROJ	CAT6A	MULTI-PURPOSE ROOM	123	
A112-PP2#38	A112-PP2	38	D2	CAT6A	MULTI-PURPOSE ROOM	123	

NOTES:

ABBREVIATIONS:

CAT = CATEGORY
COAX = COAXIAL
MMFO = MULTIMODE FIBER OPTIC
SMFO = SINGLE MODE FIBER OPTIC

DEVICE IDENTIFIER:

A112 - PPA#17

- PORT #
- PATCH PANEL #
- TELECOM ROOM DESIGNATION

SEAL

STATE OF MARYLAND · JOHN M HARTER · 55675 · PROFESSIONAL ENGINEER

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 55675, EXPIRATION DATE: 01/11/27.

ENGINEER: BURDETTE, KOEHLER, MURPHY & ASSOCIATES, INC.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JMH

DWN BY: DAM

CHKD BY: JMH

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	79NE12
	78NE12
	78NE11

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

TELECOM SCHEDULES

BID DOCUMENTS 05/15/2025

3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10 C3

SHEET DESIGNATION	CONTRACT NUMBER
T501	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	183 OF 195
	DRAWING NUMBER
	2025-0400
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

DWG FILENAME

BID DOCUMENTS 05/15/2025
BKM# 23127.01

GENERAL NOTES

1. THE SPRINKLER SCOPE OF WORK INCLUDES PROVIDING A NEW AUTOMATIC SPRINKLER SYSTEM IN A NEW SENIOR CENTER LOCATED IN JACKSONVILLE, MD. PROJECT INCLUDES ALL WORK NECESSARY FOR COMPLETE SPRINKLER PROTECTION IN THE BUILDING PROJECT SPACES IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND ALL APPLICABLE CODES AND STANDARDS.

2. ALL DRAWINGS ARE CONCEPTUAL IN NATURE. THEY DO NOT SHOW THE EXACT LOCATIONS OF COMPONENTS NOR SHOW ALL SYSTEM COMPONENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL COMPONENTS FOR A PROPERLY INSTALLED AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES.

APPLICABLE CODES:

- IBC - INTERNATIONAL BUILDING CODE, 2021, AS MODIFIED BY BALTIMORE COUNTY.
- NFPA 1 - FIRE CODE, 2018 EDITION, AS AMENDED BY BALTIMORE COUNTY AND THE STATE OF MARYLAND.
- NFPA 101 - LIFE SAFETY CODE, 2018 EDITION, AS AMENDED BY BALTIMORE COUNTY AND THE STATE OF MARYLAND.
- BFPC - BALTIMORE COUNTY FIRE PREVENTION CODE, WHICH INCLUDES PORTIONS OF NFPA 1 AND NFPA 101.
- NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2019 EDITION

3. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. IF CONFLICT OCCURS BETWEEN THE DRAWINGS, SPECIFICATIONS, OR APPLICABLE CODES, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW.

5. THE FIRE PROTECTION INSTALLER(S) SHALL SUBMIT COMPLETE LAYOUT SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND ANNOTATED MANUFACTURERS DATA INFORMATION TO THE CONTRACTING REPRESENTATIVE AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL. APPROVALS SHALL BE OBTAINED PRIOR TO THE PURCHASE OR INSTALLATION OF ANY PART OF THE FIRE PROTECTION SYSTEM.

6. THE FIRE PROTECTION INSTALLER(S) SHALL BE RESPONSIBLE FOR ALL APPLICABLE TRADE PERMITS AND ASSOCIATED FEES AND REQUESTS/FEES FOR INSPECTION AND TESTING OF THE SYSTEM AS REQUIRED BY THE APPROVING AHJ.

7. THE FINAL LAYOUT OF THE FIRE PROTECTION SYSTEM SHALL BE COORDINATED WITH FIELD CONDITIONS.

8. THE FIRE PROTECTION INSTALLER(S) SHALL COORDINATE ALL SYSTEM PIPING, DEVICES, CONDUIT, EQUIPMENT, AND RELATED APPURTENANCES WITH THE BUILDING STRUCTURAL, MECHANICAL, AND ELECTRICAL ELEMENTS, INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS AND SYSTEMS, AIR DUCTS AND OUTLETS, LIGHT FIXTURES, AND SIMILAR EQUIPMENT AND MATERIAL THAT MAY INTERFERE WITH THE PROPER INSTALLATION AND OPERATION OF THE SYSTEM. SUBMITTED LAYOUT SHOP DRAWINGS SHALL BE COORDINATED WITH ALL TRADES.

9. THE FIRE PROTECTION SYSTEM PIPING, DEVICES, HANGERS, CABINETS, EQUIPMENT AND RELATED APPURTENANCES SHALL BE INSTALLED NEAT AND IN A WORKMANLIKE MANNER. CONFORM TO THE LATEST TRADE PRACTICES. PIPING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND PROPERLY MOUNTED/SECURED TO THE BUILDING STRUCTURE.

10. THE FIRE PROTECTION INSTALLER(S) SHALL PROVIDE ALL CUTTING, PATCHING, AND CORE-DRILLING ASSOCIATED WITH THE INSTALLATION. THE INSTALLER(S) SHALL COORDINATE WORK WITH THE BUILDING STRUCTURAL SYSTEM. UNO, SLEEVES SHALL BE PROVIDED AT ALL FLOOR AND/OR WALL PENETRATIONS IN ACCORDANCE WITH NFPA 13.

11. THE FIRE PROTECTION INSTALLER(S) SHALL PROVIDE ALL NECESSARY PARTS AND ACCESSORIES EVEN THOUGH THE PARTS AND ACCESSORIES ARE NOT SPECIFICALLY MENTIONED OR SHOWN WITHIN THE CONTRACT DOCUMENTS.

12. ALL FIRE SPRINKLER SYSTEM PIPING AND EQUIPMENT SHOWN ARE FOR SUGGESTIVE PURPOSES ONLY AND SHALL NOT BE SCALED. THE FIRE PROTECTION INSTALLER(S) SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS. ALL ITEMS OR EQUIPMENT SHALL BE INSTALLED BY ON-THE-JOB MEASUREMENTS AND COORDINATED WITH ALL OTHER TRADES. NOTIFY THE CONTRACTING REPRESENTATIVE IMMEDIATELY, IN WRITING, OF ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS.

13. FIRE SPRINKLER PIPE HANGERS AND PIPE SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13. ALL HANGER MATERIALS SHALL BE UL LISTED. PIPE STANDS SHALL BE SECURELY MOUNTED TO BOTH THE FLOOR AND THE PIPE WHICH IT SUPPORTS.

14. HANGER ASSEMBLIES SUPPORTING PIPE SUPPLYING AN END SPRINKLER IN A PENDENT POSITION SHALL BE OF A TYPE THAT PREVENTS UPWARD MOVEMENT OF THE PIPE.

GENERAL NOTES (CONTINUED)

15. THE TERM 'PROVIDE' MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

16. ALL DUST GENERATION SHALL BE AVOIDED. IF DUST GENERATION CANNOT BE AVOIDED, THE DUST AND DEBRIS SHALL BE CLEANED UP IMMEDIATELY AND REMOVED FROM THE BUILDING AS WORK PROGRESSES. AT MINIMUM, THE FIRE PROTECTION INSTALLER(S) SHALL CLEAN AND VACUUM WORK AREAS AT THE END OF EACH WORK SHIFT.

17. PROVIDE A UL LISTED ELECTRIC VERTICAL TURBINE FIRE PUMP AS INDICATED.

18. PROVIDE SUBMERSIBLE PRESSURE MAINTENANCE PUMP (JOCKEY PUMP).

19. PROVIDE A NFPA 22 COMPLIANT BURIED WATER STORAGE TANK WITH CONNECTION TO FIRE PUMP VAULT.

SPRINKLER SYSTEM DESIGN NOTES

1. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR THE SPRINKLER SYSTEM SHOWING ALL SPRINKLERS, SPACED AND LOCATED IN ACCORDANCE WITH NFPA 13, 2019 EDITION. THE SHOP DRAWINGS SHALL BE APPROVED IN WRITING PRIOR TO STARTING WORK.

2. FOR SPRINKLER SYSTEM DESIGN PURPOSES, ALL PROJECT SPACES SHALL BE CONSIDERED LIGHT HAZARD OCCUPANCIES UNLESS OTHERWISE NOTED.

3. IN AREAS WITH FINISHED A.C.T. CEILINGS, SPRINKLERS SHALL BE LOCATED IN THE CENTER OF CEILING TILES.

4. EACH COMPONENT OF THE SPRINKLER SYSTEM SHALL BE LISTED AS A PRODUCT BY THE MANUFACTURER UNDER THE APPROPRIATE CATEGORY FOR THE INTENDED USE BY UNDERWRITERS LABORATORIES, INC. (UL) AND SHALL BEAR THE “UL” LABEL.

5. ALL PIPING SHALL BE RATED FOR A MAXIMUM SYSTEM WORKING PRESSURE OF 175 PSI.

6. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.

7. SPRINKLERS LOCATED IN LIGHT HAZARD AREAS SHALL BE DESIGNED PER THE FOLLOWING: 0.10/1500.

8. SPRINKLERS LOCATED IN ORDINARY HAZARD AREAS SHALL BE DESIGNED PER THE FOLLOWING: 0.15/1500.

FIRE SUPPRESSION LEGEND

⊗	SPRINKLER RISER
FP	500 GPM, 100 PSI, 480 V, 3 PHASE VERTICAL FIRE PUMP
JP	5 GPM, 120 PSI VERTICAL JOCKEY PUMP
	OS&Y GATE VALVE
	WALL MOUNTED TEST HEADER
	4" SIAMESE FIRE DEPARTMENT CONNECTION
	CHECK VALVE
	ALARM CHECK VALVE
FCA	FLOOR CONTROL ASSEMBLY
	DRY PIPE RISER
NIT	NITROGEN GENERATOR
	NEW SPRINKLER PIPING
XX	OCCUPANCY HAZARD CLASSIFICATION
	PIPE CONTINUATION
	PIPE ELBOW DOWN
	UPRIGHT SPRINKLER

DWG FILENAME

SEAL

STATE OF MARYLAND · ERIK K. ANDERSON · No. 34176 · PROFESSIONAL ENGINEER

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 34176, EXPIRATION DATE: 3/22/2027

ARCHITECT:

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: KJR

DWN BY: KJR

CHKD BY: EHA

AS-BUILT / REVISION

PERMIT REVISIONS #1

CONTRACT COMPLETION BOX

BY: 1

DATE: 3/19/25

P.W.A NO.

KEY SHEET: UNE

POSITION SHT: 78NE12, 78NE11, 98NE11, 79NE12

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRE SUPPRESSION LEGEND AND GENERAL NOTES

BID DOCUMENTS 05/15/2025

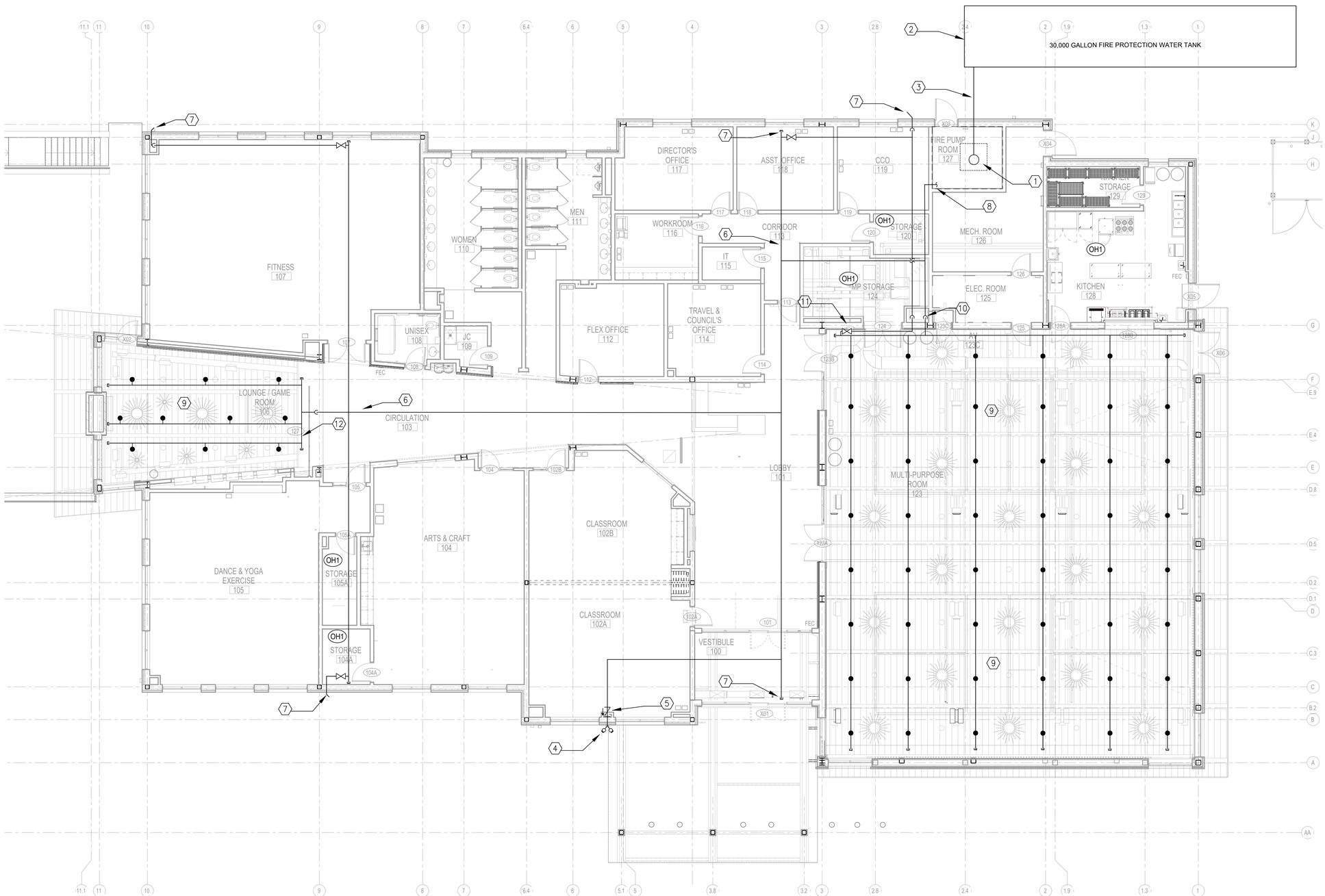
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
FX001	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	184 OF 195
	DRAWING NUMBER
	2025-0401
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 FIRE SUPPRESSION FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF SPRINKLER MAINS.
2. CONTRACTOR SHALL LAYOUT BRANCHLINES AND SPRINKLERS AND PROVIDE HYDRAULIC CALCULATIONS.
3. ENTIRE FLOOR SHALL BE SPRINKLER PROTECTED PER NFPA 13.
4. ALL EXPOSED SPRINKLER LINES AND ACCESSORIES TO BE PAINTED DARK GRAY (IN MULTI-PURPOSE ROOM, LOUNGE, AND ENTRY VESTIBULE).

KEY NOTES

1. FIRE PUMP ROOM. SEE SHEET FX501 FOR DETAILS.
2. 30,000 GALLON BURIED FIRE SUPPRESSION WATER STORAGE TANK.
3. 8-IN. MINIMUM CONNECTION BETWEEN TANK AND FIRE PUMP VAULT IN FIRE PUMP ROOM.
4. FIRE DEPARTMENT CONNECTION AT 30" ABOVE GRADE, PROVIDE CHECK VALVE AND BALL DRIP WITH DRAIN TO THE EXTERIOR.
5. ROUTE FDC PIPE IN WALL CAVITY. PROVIDE ACCESS PANEL FOR CHECK VALVE IN WALL.
6. ROUTE SPRINKLER MAINS ABOVE CEILINGS. COORDINATE ROUTING OF MAINS ON SHOP DRAWINGS. SIZE PER HYDRAULIC CALCULATIONS.
7. PROVIDE LOW POINT DRAINS AS NECESSARY AND PIPE TO BUILDING EXTERIOR.
8. TO FIRE PUMP DISCHARGE.
9. OPEN CEILING WITH EXPOSED BEAMS. PROVIDE SPRINKLER AND BRANCHLINE LAYOUT TO ALIGN WITH BEAM PATTERN. SPRINKLER LINES TO BE SET AS HIGH AS POSSIBLE AND MUST BE ABOVE THE BOTTOM OF THE TRUSSES. SEE REFLECTED CEILING PLAN ON ARCHITECTURAL SHEETS. ALL SPRINKLERS IN THE MULTI-PURPOSE ROOM MUST BE PROVIDED WITH SPRINKLER GUARDS. SEE WET-PIPE SPRINKLER SPECIFICATION. ARCHITECT SHALL APPROVE BRANCHLINE AND SPRINKLER LOCATIONS PRIOR TO INSTALLATION. DESIGN OF BRANCHLINES AND SPRINKLERS ARE CONCEPTUAL IN NATURE. CONTRACTOR SHALL FIELD VERIFY BRANCHLINE AND SPRINKLER LOCATIONS PRIOR TO INSTALLATION.
10. ROUTE SPRINKLER MAIN UP THROUGH CHASE TO UPPER CEILING LEVEL.
11. PROVIDE LOW POINT DRAIN AND PIPE TO EXTERIOR OF THE BUILDING.
12. ROUTE SPRINKLER MAIN IN CHASE.

DWG FILENAME

SEAL

STATE OF MARYLAND · ERIK K. ANDERSON · No. 34176 · PROFESSIONAL ENGINEER

DATE: 5/15/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AN A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 34176, EXPIRATION DATE: 3/22/2027

ARCHITECT:

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: KJR

DWN BY: KJR

CHKD BY: EHA

AS-BUILT / REVISION	BY	DATE	P.W.A NO.
PERMIT REVISIONS #1	1	3/19/25	
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
UNE	78NE12 78NE11 98NE11 79NE12

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

FIRE SUPPRESSION FLOOR PLAN

BID DOCUMENTS 05/15/2025

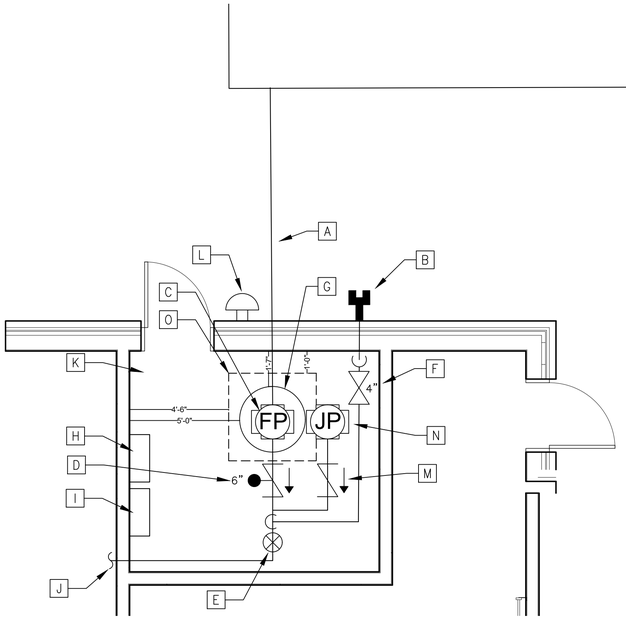
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE

ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
FX101	25010 PO0
	JOB ORDER NUMBER
	PO 10-701-1861
	185 OF 195
	DRAWING NUMBER
	2025-0402
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 FIRE PUMP ROOM DETAIL

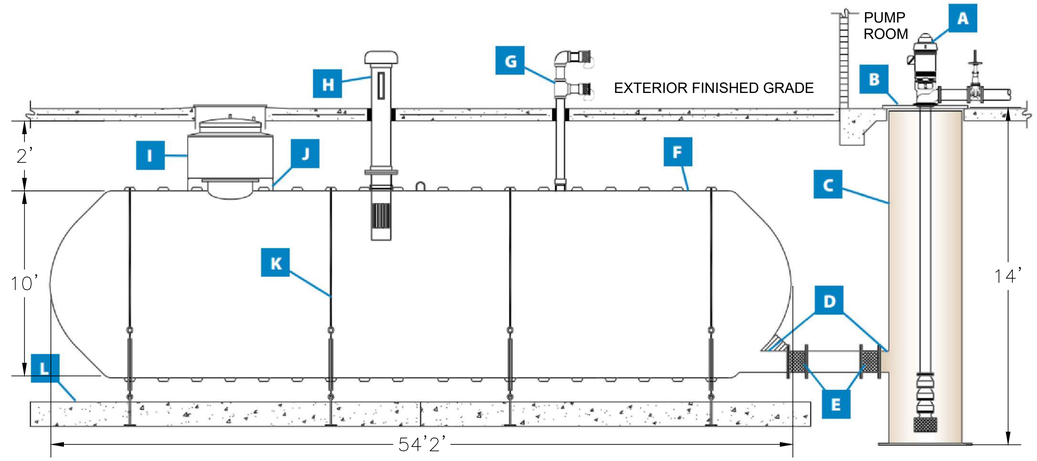
NTS

PUMP ROOM LEGEND:

A. CONNECTION FROM TANK TO VAULT
B. 4" TEST HEADER - WALL MOUNT
C. 500 GPM FIRE PUMP LOCATED ABOVE PUMP VAULT. PROVIDE MOUNTING PLATE TO SUPPORT PUMP AND SPAN ACROSS VAULT
D. 6" SUPERVISED ALARM CHECK VALVE
E. BUILDING SPRINKLER RISER ASSEMBLY CONSISTING OF CONTROL VALVE, RISER CHECK VALVE, FLOW SWITCH, AND DRAIN ASSEMBLY
F. 4" SUPERVISED CONTROL VALVE
G. 36-INCH FIBERGLASS VAULT
H. FIRE PUMP CONTROLLER
I. JOCKEY PUMP CONTROLLER
J. 6" SUPPLY LINE TO BUILDING SPRINKLER SYSTEM
K. PROVIDE HOSE BIB FOR TANK TOP OFF, SEE PLUMBING PLAN
L. ELECTRIC ALARM BELL, WEATHER PROOF
M. JOCKEY PUMP CHECK VALVE
N. JOCKEY PUMP. PROVIDE SUBMERSIBLE MULTI-STAGE PUMP ON A GALVANIZED DROP PIPE PUMP SHALL BE LOCATED IN THE VAULT JUST ABOVE THE SUCTION BELL OF THE FIRE PUMP. AVOID INTERFERENCE WITH THE FIRE PUMP SUCTION.
O. PROVIDE 4'X4' REMOVABLE PANEL IN ROOF ABOVE FIRE PUMP TO AID INSTALLATION AND REMOVAL

FIRE PUMP ROOM NOTES:

1. MONITOR ALL CONTROL VALVES AND FLOW SWITCHES WITH THE FIRE ALARM SYSTEM
2. MONITOR TANK LEVEL WITH THE FIRE ALARM SYSTEM
3. PROVIDE LIGHTING, ELECTRICAL OUTLETS, HEAT, AND FLOOR DRAIN IN FIRE PUMP ROOM
4. PROVIDE SPRINKLER PROTECTION IN THE PUMP ROOM
5. PROVIDE ROOF HATCH FOR VERTICAL TURBINE PUMP REMOVAL



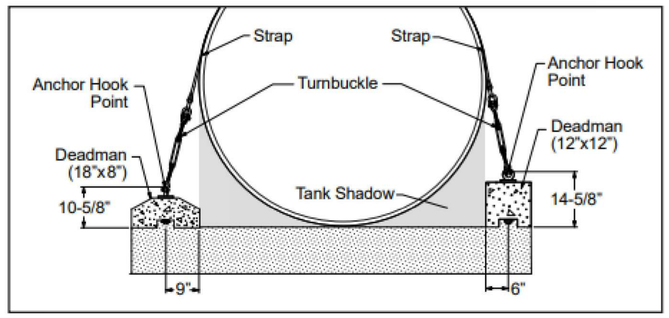
2 FIRE PROTECTION SYSTEM USING A VERTICAL VAULT

NTS

A. VERTICAL TURBINE PUMP WITH DISCHARGE HEAD
B. STEEL MOTOR MOUNTING PLATE
C. FIBERGLASS VERTICAL PUMP VAULT
D. FLANGED NOZZLES
E. FLEXIBLE CONNECTORS
F. FIRE PROTECTION TANK
G. DUAL NST FILL POINT
H. VENT/LEVEL INDICATOR. MONITOR WATER LEVEL WITH FIRE ALARM SYSTEM.
I. WATERTIGHT FIBERGLASS RISER
J. FIBERGLASS ACCESS COLLAR
K. FIBERGLASS ANCHOR STRAPS
L. DEADMEN ANCHORS

INSTALLED TURNBUCKLE ADJUSTABILITY

TANK DIAMETER	MODEL	LET OUT	TAKE UP
10 FT.	TB 3418	15.5"	1.7"



3 TYPICAL DEADMAN ANCHOR AND TURNBUCKLE SYSTEM

NTS

DWG FILENAME

SEAL: STATE OF MARYLAND · ERIK K. ANDERSON · NO. 34176 · PROFESSIONAL ENGINEER
DATE: 3/13/2025

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DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER
FIRE SUPPRESSION DETAILS
BID DOCUMENTS 05/15/2025
3601 SWEET AIR RD, PHOENIX, MD 21131

SUBDIVISION: JACKSONVILLE
ELECTION DIST. NO.: 10C3

SHEET DESIGNATION	CONTRACT NUMBER
FX501	25010 PO0
JOB ORDER NUMBER	
PO 10-701-1861	
186 OF 195	
DRAWING NUMBER	
2025-0403	
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

GENERAL NOTES

1. ALL CONTRACTORS MUST BE CERTIFIED BY THE STATE OF MARYLAND AND LICENSED BY THE COUNTY AGENCY (WHERE REQUIRED).
2. CONTRACTOR PERFORMING WORK ON SEPTIC SYSTEM MUST BE REGISTERED WITH THE MARYLAND BOARD OF ONSITE WASTEWATER PROFESSIONALS AND LICENSED IN BALTIMORE COUNTY AS A ONSITE SEWAGE DISPOSAL SYSTEM CONTRACTOR.
3. ALL CONTRACTORS PROVIDING CONSTRUCTION SERVICES AT THIS SITE SHALL BE CERTIFIED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT IN THE CONSTRUCTION OF SITE SEWAGE DISPOSAL SYSTEMS AND THE INSTALLATION OF AN AEROBIC TREATMENT PLANT (WHERE APPLICABLE).
4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY DISCREPANCIES TO ENGINEER AND OWNER IN A TIMELY MANNER. FAILURE TO PROSPECT IN ADVANCE OF WORK OR VERIFY DIMENSIONS SHALL NOT BE CAUSE FOR ADDITIONAL COSTS TO THE OWNER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS WHICH ARE REQUIRED PRIOR TO CONSTRUCTION, EXCEPT AS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. CONTRACTOR MUST ALSO BE RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE OSHA (OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION) STANDARDS AND REGULATIONS.
6. EQUIPMENT, PIPING AND ORIENTATION/DESIGN AS SHOWN IN THE DRAWINGS IS BASED ON MANUFACTURER'S EQUIPMENT. CONTRACTOR SHALL VERIFY INSTALLATION BASED ON SELECTED EQUIPMENT. MODIFICATIONS TO THE DESIGN TO ACCOMMODATE SELECTED EQUIPMENT SHALL BE AT CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTAL ITEMS REQUIRED TO REPLACE ANY UNDERGROUND UTILITIES DISTURBED DURING THE CONSTRUCTION OF THE TREATMENT FACILITIES AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER IF UNDERGROUND UTILITIES ARE DISTURBED AND THE CONTRACTOR SHALL IMMEDIATELY REPAIR THE UTILITY PRIOR TO CONTINUING WORK.
9. SCALES SHOWN HEREIN ARE FOR FULL SIZE PLOTS ON 36" x 24" SHEETS. THE CONTRACTOR IS RESPONSIBLE FOR CONVERTING SCALES ON REDUCED OR ENLARGED PLOTS.
10. INSTALLATION OF NEW EQUIPMENT AND PIPING MAY REQUIRE ADDITIONAL MODIFICATIONS NOT SPECIFICALLY SHOWN. CONTRACTOR SHALL FIELD VERIFY THE INSTALLATIONS TO ACCOUNT FOR ANY NECESSARY WORK NOT SHOWN. ALL WORK NECESSARY FOR A COMPLETE OPERATIONAL SYSTEM FOR THE INSTALLATION OF THE EQUIPMENT AND SYSTEMS SHOWN AND/OR SPECIFIED SHALL BE INCLUDED IN THE APPLICABLE BID PRICE FOR THAT ITEM. INCIDENTAL ADDITIONAL WORK NECESSARY SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF EQUIPMENT WITH APPROVED SHOP DRAWINGS PRIOR TO INSTALLATION.
12. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY IN LOCATION. THE CONTRACTOR SHALL CONTACT THE UTILITIES AND OBTAIN A MISS UTILITY STAKE OUT PRIOR TO COMMENCING CONSTRUCTION. DAMAGE TO UTILITIES RESULTING FROM NEGLIGENCE OR FAILURE ON THE PART OF THE CONTRACTOR TO MAKE ACCURATE LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO WATER, UNDERGROUND ELECTRICAL, TELECOM AND GAS SERVICES SHALL BE LOCATED AND PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY DAMAGED UTILITY TO THE SATISFACTION OF THE ENGINEER AND OWNER AT HIS OWN EXPENSE.
14. THE CONTRACTOR SHALL RESTORE ALL SURFACES WITHIN THE LOT TO AS GOOD OR BETTER CONDITION THAN PRIOR TO CONSTRUCTION FOLLOWING COMPLETION OF THE WORK.
15. THE CONTRACTOR SHALL FAMILIARIZE HIM/HER SELF WITH SITE CONDITIONS AND SHALL INCLUDE PROVISIONS TO AVOID CONFLICTS WITH AND/OR RESTORE SITE FEATURES IN THE BID. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR WORK REQUIRED TO AVOID CONFLICTS WITH EXISTING SURFACE FEATURES OR RESTORE THOSE WHICH ARE NOT SHOWN.
16. PROVIDE 3'-0" FEET MINIMUM COVER OVER TOP OF ALL PRESSURE PIPING UNLESS OTHERWISE NOTED ON PLANS/PROFILES.
17. ALL PIPE TRENCHES BENEATH OR WITHIN 5 FEET OF ROADWAYS, DRIVEWAYS AND OTHER AREAS OF VEHICULAR LOAD SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AT SPECIFIED DEPTHS.
18. CONTRACTOR SHALL COORDINATE LOCATIONS OF ON-SITE FIELD OFFICE TRAILERS AND MATERIALS AND EQUIPMENT STOCKPILES WITH OWNER AND SHALL MAINTAIN FULL ACCESS TO ALL TREATMENT FACILITIES.
19. FOR CLARITY, EXISTING FACILITIES AND PIPING GENERALLY SHOWN LIGHT. NEW FACILITIES AND PIPING GENERALLY SHOWN HEAVY.
20. THE CONTRACTOR SHALL COORDINATE EXISTING EQUIPMENT REMOVALS TO ENSURE THAT ALL ELECTRICAL EQUIPMENT IS ELECTRICALLY DISCONNECTED PRIOR TO DEMOLITION.
21. ALL BURIED PIPING ENTERING/LEAVING A STRUCTURE SHALL HAVE A JOINT WITHIN FOUR (4) FEET OF THE STRUCTURE'S WALL OR FOUNDATION.
22. PIPE BENDS ARE NOT GENERALLY CALLED OUT ON THE DRAWINGS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED FITTINGS TO CONSTRUCT THE PIPING AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH APPLICABLE STANDARDS.
23. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING ELEVATIONS, LOCATIONS, SIZES AND MATERIALS WITH NEW INSTALLATIONS. DIFFERENCES NOT SHOWN ON THE CONTRACT DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO REMOVAL.
24. LIMITED SURVEY DATA IS AVAILABLE FOR THIS PROJECT. PROFILES ARE BASED ON SPOT ELEVATIONS ALONG STAKED ALIGNMENTS IN THE FIELD. THE CONTRACTOR IS RESPONSIBLE FOR ALL SURVEY AND STAKEOUT FOR THIS PROJECT, PAYMENT SHALL BE INCLUDED UNDER THE LUMP SUM BID PRICE.
25. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL SNOW AND ICE AS NEEDED TO COMPLETE THE WORK.
26. ALL NON-METALLIC PIPING SHALL BE INSTALLED WITH TRACER WIRE. TRACER WIRE SHALL BE STAINLESS STEEL WIRE NOT LESS THAN 0.10 INCH IN DIAMETER.
27. THE CONTRACTOR SHALL SECURE, MAINTAIN, AND RESTORE ANY STAGING OR STORAGE AREAS AT NO ADDITIONAL COST TO THE OWNER.
28. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AS NECESSARY TO COMPLETE EXCAVATIONS AS SHOWN. THESE PLANS DO NOT SHOW SPECIFIC EXCAVATION SUPPORTS AND THE CONTRACTOR SHALL SUBMIT HIS EXCAVATION AND DEWATERING PLAN FOR EACH SITE. NO ADDITIONAL PAYMENT WILL BE MADE FOR SHEETING OR BRACING LEFT IN PLACE.
29. CONTRACTOR TO PROVIDE AND MAINTAIN EROSION AND CONTROL MEASURES AT THE SITE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
30. SUITABLE BACKFILL MATERIAL SHALL BE DEFINED AS THE FOLLOWING PREPARED BY SRI:
    - 30.1. AGGREGATE SHALL BE CLEAN AGGREGATE FREE OF FINES AND BETWEEN ¾ AND 2-INCHES IN DIAMETER. WASHED RIVER GRAVEL IS PREFERRED. SOFT LIMESTONE IS NOT ALLOWED. AGGREGATE IS TO BE APPROVED BY THE ENGINEER.
    - 30.2. GEOTEXTILE FABRIC SHALL BE OF A TYPE APPROVED BY THE ENGINEER. SPUN FILTER FABRIC RATHER THAN WOVEN IS PREFERRED.
    - 30.3. CAP MATERIAL SHALL BE SOIL RELATIVELY FREE OF COARSE FRAGMENTS AND PREFERABLY A SILT LOAM TEXTURE.
    - 30.4. TOP SOIL SHALL BE OF GOOD QUALITY, FREE OF DEBRIS SUCH AS ROCKS AND TRASH. A SILT LOAM OR OTHER MEDIUM TEXTURED SOIL IS RECOMMENDED.
    - 30.5. COMPACTING TOPSOIL WITH HEAVY MACHINERY OR EQUIPMENT IS BEST AVOIDED AND NOT RECOMMENDED. HAND-RAKING AND -TAMPING ARE PREFERRED AS TOPSOIL STABILIZATION METHODS.
31. ALL FACILITIES SHALL BE BUILT IN ACCORDANCE WITH ELEVATIONS AND GRADES INDICATED ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL STAKE OUT LOCATION AND ELEVATIONS FOR APPROVAL BY THE OWNER/ENGINEER PRIOR TO CONSTRUCTION.
32. SLOPE THE SIDES OF EXCAVATIONS TO RETAIN SOIL REPOSE. MAINTAIN SIDES AND SLOPES OF EXCAVATION IN A SAFE CONDITION UNTIL COMPLETION OF BACKFILLING.
33. UNLESS OTHERWISE DIRECTED, BACKFILL UNAUTHORIZED EXCAVATION UNDER FOOTINGS, FOUNDATION BASES, AND RETAINING WALLS WITH COMPACTED SELECT GRANULAR MATERIAL WITHOUT ALTERING THE REQUIRED FOOTING ELEVATION. ELSEWHERE, BACKFILL AND COMPACT UNAUTHORIZED EXCAVATION AS SPECIFIED FOR AUTHORIZED EXCAVATION OF THE SAME CLASSIFICATION, UNLESS OTHERWISE DIRECTED BY THE OWNER/ENGINEER. NO PAYMENT WILL BE MADE FOR BACKFILLING UNAUTHORIZED EXCAVATIONS.
34. PREVENT SURFACE AND SUBSURFACE WATER FROM FLOWING INTO EXCAVATIONS AND TRENCHES AND FROM FLOODING THE SITE AND SURROUNDING AREAS. PROVIDE ALL NECESSARY PUMPING EQUIPMENT AS REQUIRED TO KEEP ALL EXCAVATIONS FREE FROM SURFACE AND SUBSURFACE WATER ENCOUNTERED DURING CONSTRUCTION. PROVIDE ALL NECESSARY PROTECTION AGAINST WATER POLLUTION RESULTING FROM WATER DISCHARGE FROM PUMPING EQUIPMENT.
35. BACKFILL EXCAVATIONS AS PROMPTLY AS PRACTICABLE, BUT ONLY AFTER REQUIRED APPROVALS FROM THE OWNER/ENGINEER. DO NOT BACKFILL WITH EXCAVATED MATERIAL UNLESS IT MEETS THE REQUIREMENTS FOR SUITABLE BACKFILL MATERIAL.
36. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN SIX (6) INCHES THICK IN LOOSE DEPTH UNLESS OTHERWISE SPECIFIED. BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO FACILITATE COMPACTION TO THE REQUIRED DENSITY. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR COVERED WITH ICE.
37. PLACE BACKFILL AND FILL AGAINST FOUNDATION WALLS, AND IN CONFINED AREAS (SUCH AS TRENCHES) NOT EASILY ACCESSIBLE BY LARGER COMPACTION EQUIPMENT, ALSO IN LAYERS NOT MORE THAN SIX (6) INCHES THICK IN LOOSE DEPTH UNLESS OTHERWISE SPECIFIED.
38. PREVENT WEDGING ACTION OF BACKFILL AGAINST SURROUNDING STRUCTURES BY PLACING BACKFILL UNIFORMLY AROUND STRUCTURE TO APPROXIMATELY THE SAME ELEVATION IN EACH LAYER.
39. UNDER LANDSCAPED AREAS, PLACE APPROVED MATERIAL WHEN REQUIRED TO COMPLETE FILL OR BACKFILL AREAS UP TO SUBGRADE SURFACE ELEVATION. DO NOT USE MATERIAL CONTAINING ROCKS OVER TWO (2) INCHES IN DIAMETER WITHIN THE TOP 12 INCHES OF APPROVED MATERIAL.
40. PLACE AND COMPACT MATERIALS AS SPECIFIED. SHAPE SURFACE OF AREAS TO REQUIRED LINE, GRADE, AND CROSS-SECTION, WITH THE FINISH SURFACE NOT MORE THAN 1/2 INCH ABOVE OR BELOW THE REQUIRED ELEVATION.
41. RESTORE PAVEMENTS, WALKS, CURBS, AND OTHER EXTERIOR SURFACES DAMAGED DURING CONSTRUCTION TO MATCH THE APPEARANCE AND PERFORMANCE OF THE EXISTING CORRESPONDING SURFACES AS CLOSELY AS PRACTICAL, UNLESS OTHERWISE DIRECTED BY THE OWNER/ENGINEER.
42. REMOVE FROM OWNER'S PROPERTY AND DISPOSE OF EXCESS AND/OR UNSUITABLE MATERIALS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR PROPER DISPOSAL OF MATERIALS.
43. PROTECT GRADED AREAS FROM TRAFFIC AND EROSION, AND KEEP THEM FREE FROM TRASH AND DEBRIS FOR THE DURATION OF THE CONTRACT OR UNTIL PLACEMENT OF ADDITIONAL TREATMENTS.
44. CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER 24 HOURS PRIOR TO BACKFILLING OPERATIONS AND 24 HOURS PRIOR TO CONNECTION TO THE NEW FACILITY.
45. CONTRACTOR SHALL NOT PLACE EQUIPMENT AND/OR VEHICLES IN THE EXISTING, PROPOSED OR RESERVED ABSORPTION AREA (DRAIN FIELD), INCLUDING THE DOWN-SLOPE AREA, TO PREVENT UNDUE COMPACTION OF THE SOIL. CARE SHALL BE EXERCISE DURING CONSTRUCTION TO PREVENT UNDUE COMPACTION AND DAMAGE TO THE SYSTEM AND NEAR THE AREA. EXCAVATION SHALL BE DONE IN A FORM OUTSIDE THE ABSORPTION AREA OR DONE USING AN ULTRA LOW IMPACT RUBBER-TRACK MACHINERY.
46. CONTRACTOR SHALL PROTECT THE PRIMARY AND RESERVE ABSORPTION AREA (DRAINFIELD) FROM POST-CONSTRUCTION VEHICULAR COMPACTION.
47. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE COMPLETED PROJECT.

GENERAL CRITERIA FOR PIPELINE CONNECTIONS

1. A PRE-CONSTRUCTION MEETING WITH THE DELEGATED REGULATORY APPROVING AUTHORITY, INSTALLER, AND DESIGNER IS REQUIRED PRIOR TO SCHEDULING INSTALLATION. CONTRACTOR SHALL CONTACT THE LOCAL SANITARIAN PRIOR TO COMMENCING WITH CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT SCHEDULE AND SUBMITTAL AS REFERENCE IN SPECIFICATIONS DOCUMENT.
3. THE CONTRACTOR SHALL LOCATE AND EXTEND THE FORCE MAIN AT LEAST ONE FOOT ABOVE THE GROUND SURFACE. TEMPORARILY CAP OR OTHERWISE COVER THE PIPE OPENING TO PREVENT ANYTHING FROM ENTERING THE PIPE.
4. FOR NEW WATER LINE INSTALLATION, A PRE-CONSTRUCTION MEETING WITH THE OWNER, DESIGNER, AND CONTRACTOR IS REQUIRED FOR INSTALLATION.
5. ALL CROSSING UTILITIES SHOULD BE VERIFIED BY CONTRACTOR.
6. INSTALLATION OF THE WATER LINE MAY BE CONSTRUCTED WHILE PROPOSED BUILDING IS UNDER CONSTRUCTION.
7. ALL PIPING CAN BE INSTALLED AND MUST BE TESTED PRIOR TO CONNECTION ABIDING BALTIMORE COUNTY'S SPECIFICATIONS FOR WATER LINE DISINFECTIONS. PRIOR TO CONNECTING INTO THE NEW AND EXISTING BUILDING.
8. PRIOR TO INSTALLATION OF THE WATER LINE, THE START UP AND TESTING OF NEW WATER TREATMENT LINE MUST BE DONE AND VERIFIED.
9. CONTRACTOR SHALL SUBMIT AND HAVE WORK SCHEDULE PLANNED AND APPROVED PRIOR TO CONSTRUCTION.
10. WELL SYSTEM AT THE EXISTING SYSTEM MUST BE OFF BEFORE TAPPING TWO TEES, ONE FOR THE NEW WATER LINE TO PROPOSED BUILDING, SECOND IS FOR THE EXISTING RETURNING FROM THE NEW TO EXISTING LINE.
11. PRIOR TO THE INSTALLATION OF THE WATER LINE, CONTRACTORS SHALL COORDINATE WITH BUILDING OWNER TO SCHEDULE WATER MAIN OUTAGES. CONTRACTOR SHALL COMMUNICATE WATER SHUTDOWN AND NEED APPROVAL OF 48 HOURS.

DWG. FILENAME:

SEAL

STATE OF MARYLAND — 29305 — PROFESSIONAL ENGINEER

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.				R.O.W NO.	18NE	7D8NE1 7D8NE2 8D8NE1 8D8NE2	PLAN SCALE: NTS PROFILE SCALE: NTS	APPROVED BY: _____ PROPERTY MANAGER DATE: _____
	CONTRACT COMPLETION BOX							

ENGINEER: _____	DGN BY: FIA/BSB	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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BY: DATE:	CHKD BY: BSB/DMK	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

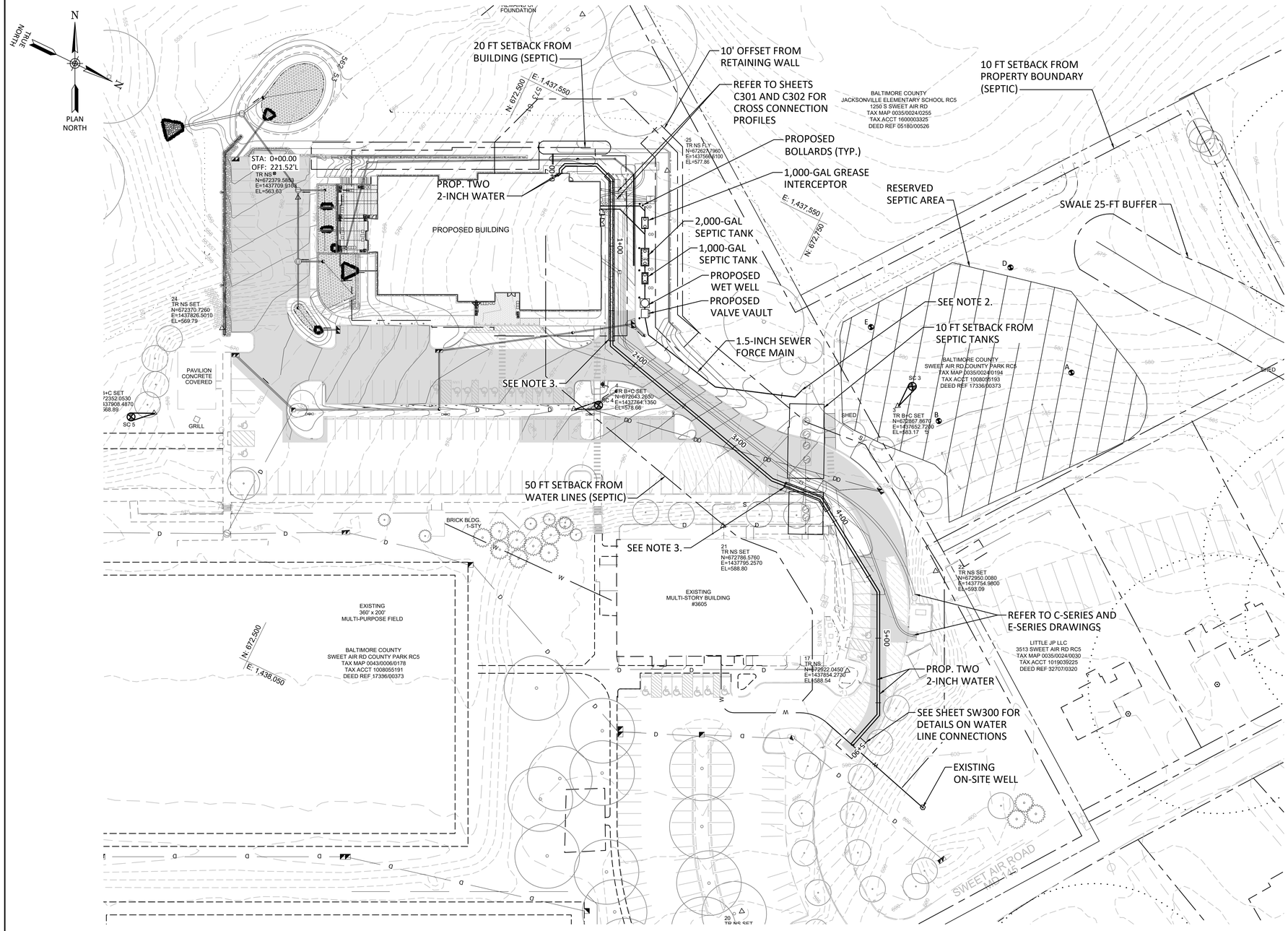
GENERAL NOTES

100% BID DOCUMENTS 05/15/2025

SUBDIVISION: JACKSONVILLE — 3601 SWEET AIR RD, PHOENIX, MD 21131 — ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW100	25010 P00
JOB ORDER NUMBER	10–701–1861
SHEET 187 OF 195	
DRAWING NUMBER	2025–0404
FILE NO.: G 2025	

BALTIMORE COUNTY MARYLAND



OSDS PLAN AND PROPOSED WATER LINE

SCALE: 1" = 40'-0"

40' 0 40' 80'
1"=40'

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREES
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING CONTOURS (350 / 348)
- PROP. 15" SD — PROPOSED STORM DRAIN
- PROP. 6" WATER — PROPOSED WATER
- PROP. 8" SAN — PROPOSED SANITARY SEWER
- PROP. FM — PROPOSED SANITARY FORCE MAIN
- PROP. TELECOM — PROPOSED TELECOMMUNICATIONS
- PROP. ELEC — PROPOSED ELECTRIC
- EXISTING SEPTIC TRENCHES
- CO — PROPOSED CLEANOUT
- A — PERCOLATION TEST LOCATIONS

NOTES:
1. ALL SANITARY GRAVITY LINES ARE TO BE 4-IN SDR35 PIPE.
2. REFER TO DETAIL 4 ON SHEET SW204 FOR CORE PIPE WALL PENETRATION IN EXISTING PUMP STATION.
3. WATER LINES ARE TO BE ENCASED IN CONCRETE. REFER TO DETAIL 3 ON SHEET SW205.

DWG. FILENAME:

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DATE : 05/14/2025

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		CONTRACT COMPLETION BOX					TOWER3			
ENGINEER: _____	DGN BY: PA/RS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

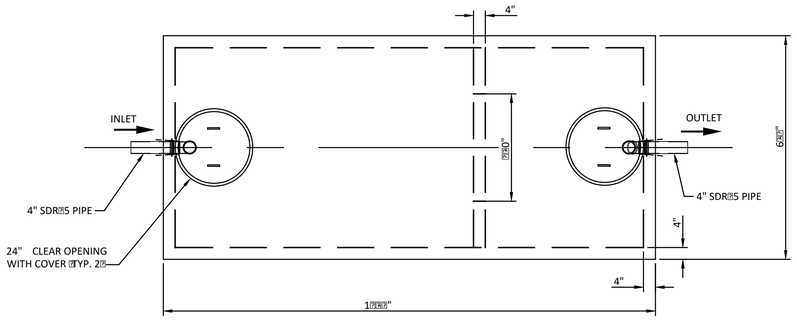
OSDS AND WATER LINE LAYOUT

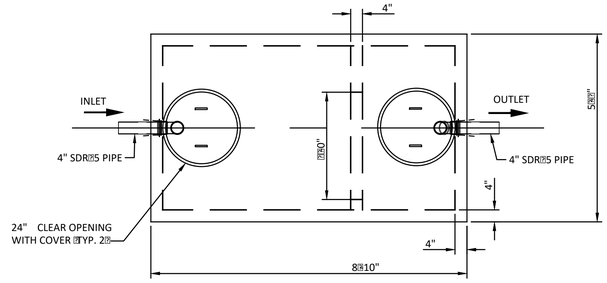
100% BID DOCUMENTS 05/15/2025

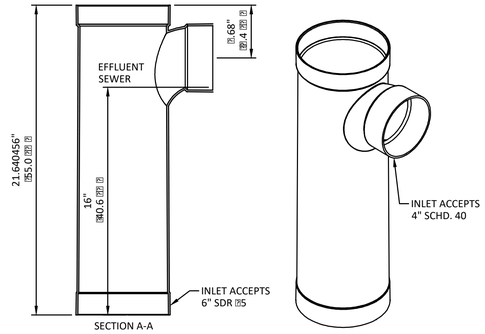
SUBDIVISION: JACKSONVILLE — 3601 SWEET AIR RD, PHOENIX, MD 21131 — ELECTION DIST. NO.:10C3

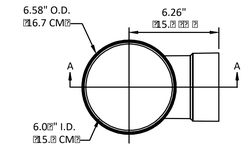
SHEET DESIGNATION	CONTRACT NUMBER
SW200	25010 P00
	JOB ORDER NUMBER
	10–701–1861
	SHEET 188 OF 195
	DRAWING NUMBER
	2025–0405
	FILE NO.: 8

100% BID DOCUMENTS 05/15/2025



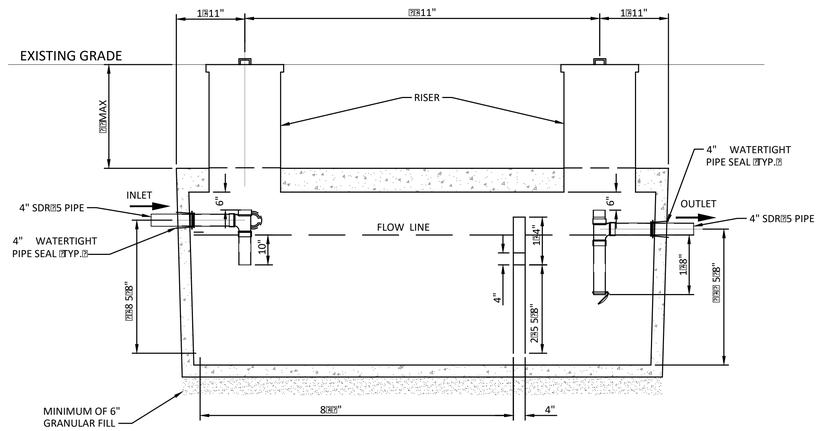






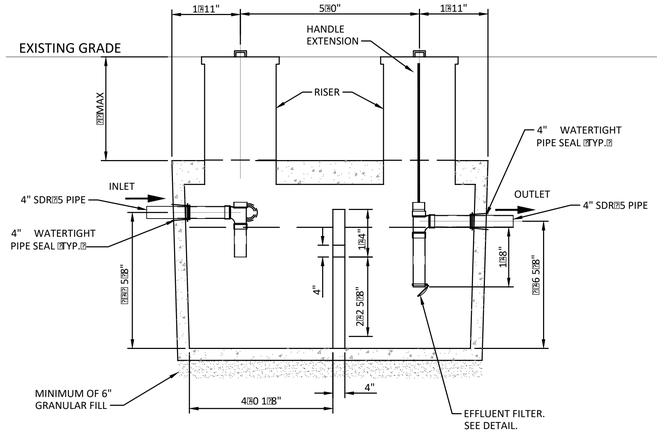
POLYLOK PL-250 HOUSING
PART NO. 0142-250
MATERIAL - ABS
COLOR - BLACK

FILTER HOUSING



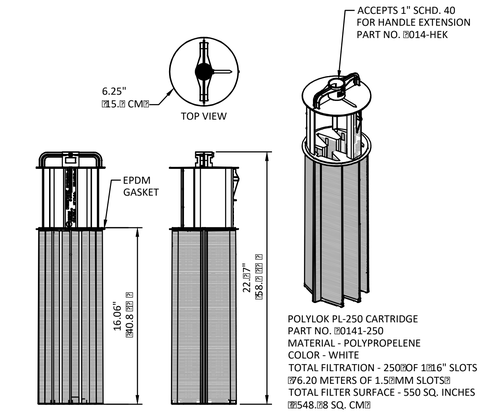
2,000 GALLON TWO COMPARTMENT SEPTIC TANK DETAIL TRAFFIC-RATED

1 1/2" = 1'-0"



1,000 GALLON TWO COMPARTMENT SEPTIC TANK DETAIL TRAFFIC-RATED

2 1/2" = 1'-0"



POLYLOK PL-250 CARTRIDGE
PART NO. 0141-250
MATERIAL - POLYPROPELENE
COLOR - WHITE
TOTAL FILTRATION - 250 OF 1/16" SLOTS
(6.20 METERS OF 1.5 MM SLOTS)
TOTAL FILTER SURFACE - 550 SQ. INCHES
(548.8 SQ. CM)

FILTER CARTRIDGE

EFFLUENT FILTER DETAIL

SCALE: NOT TO SCALE

NOTE:
1. REFER TO SPECIFICATION SECTION 05 16 - PRECAST CONCRETE UTILITY STRUCTURES.

SEPTIC TANK SCHEDULE					
LOCATION	INLET INVERT EL.	OUTLET INVERT EL.	TOP OF TANK ELE.	BOTTOM OF TANK ELE.	FINISHED GRADE
SEPTIC TANK #1 – 2,000–GAL	571	570.67	572	567	575.33
SEPTIC TANK #2 – 1,000–GAL	570	570.17	571	565	575.33

1/2"=1'-0" 2' 0 2' 4'

DWG. FILENAME:

SEAL

STATE OF MARYLAND · CHRISTOPHER L. DAVIS · 29302 · PROFESSIONAL ENGINEER

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____
BARTON AND LOGUIDICE, D.P.C
AS–BUILT PER RECORD PRINT
BY: _____
DATE: _____

DGN BY: _____
DWN BY: BAB
CHKD BY: PJA/DMK

AS–BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO.

KEY SHEET: UNK

POSITION SHT: TOWER1, TOWER2, GOOD1, TOWER3

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE: AS SHOWN

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

SEPTIC TANKS PLAN AND SECTION

100% BID DOCUMENTS 05/15/2025

SUBDIVISION: JACKSONVILLE

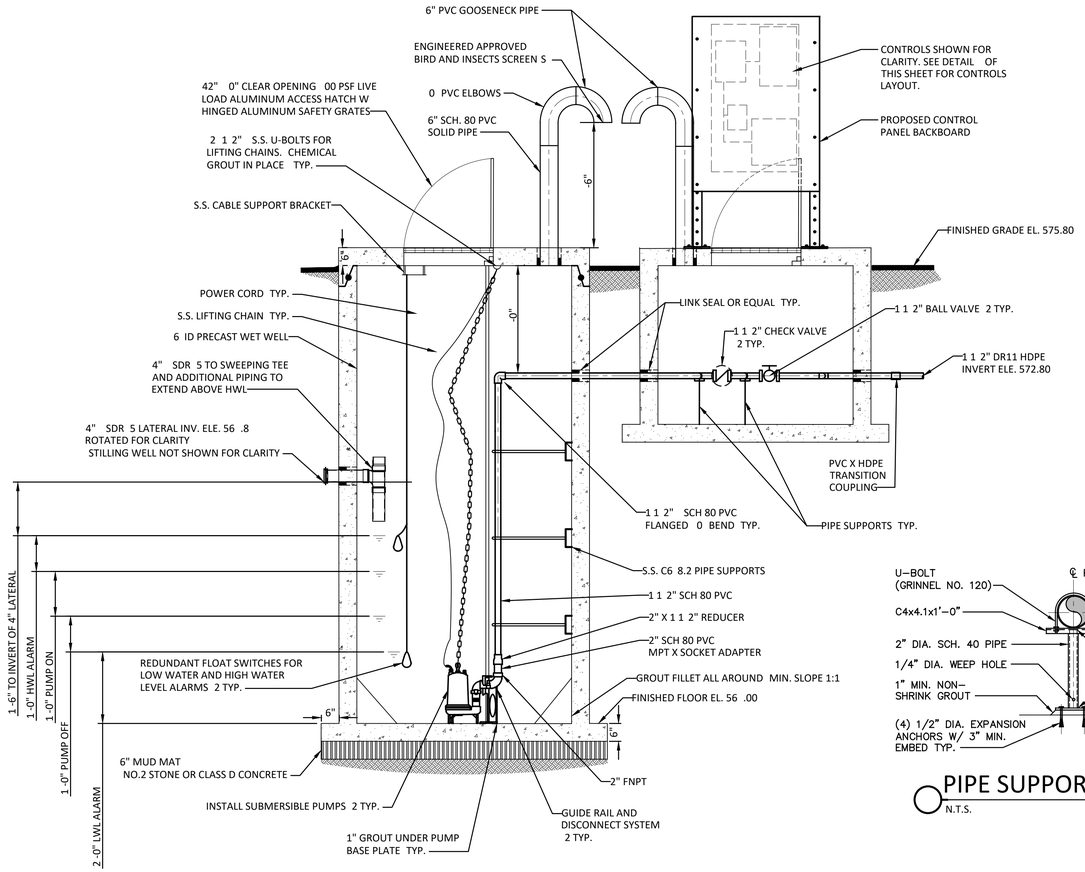
3601 SWEET AIR RD, PHOENIX, MD 21131

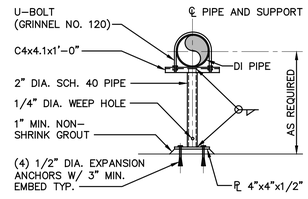
ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW201	25010 P00
JOB ORDER NUMBER	10–701–1861
SHEET 189 OF 195	DRAWING NUMBER
2025–0406	
FILE NO.: 8	REV. 4%

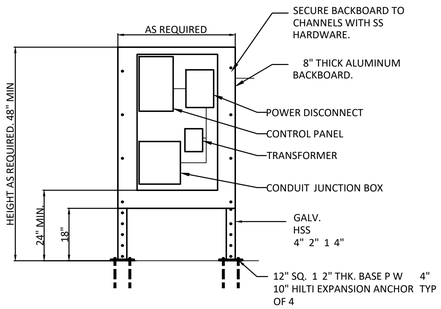
BALTIMORE COUNTY MARYLAND

100% BID DOCUMENTS 05/15/2025





PIPE SUPPORT DETAIL
N.T.S.



NOTE:

1. COORDINATE ALL EQUIPMENT WITH PUMP MANUFACTURER

FREE STANDING EQUIPMENT BACKBOARD AND CONTROL PANEL
4 N.T.S.

A SECTION
SW202 SCALE: 1 2" 1 -0"

NOTES:

1. PROPOSED SYSTEM IS A DUPLEX PUMP STATION - PURPOSE IS TO TRANSFER FLOWS TO EXISTING JACKSONVILLE PUMP STATION. THE EXISTING PUMP STATION HAS SUFFICIENT VOLUME TO SUSTAIN FLOWS FROM PROPOSED AND EXISTING BUILDING.

1.1. DESIGN PEAK FOR OVERALL SYSTEM:

1.1.1. DESIGN PEAK FOR PROP BUILDING: 2,28 GPD
1.1.2. DESIGN PEAK FOR EX. BUILDING: 458 GPD

1.2. PUMP STATION DIMENSIONS: 6-FT DIAMETER 1 -FT D
1. . TRANSFER PUMP STATION VOLUME GAL : 1, 75 APPROX.

1. .1. AVERAGE DAILY TRANSFER FLOW GPM : 2.0
1. .2. 6 CYCLES PER DAY, TOTAL VOL. TRANSFERRED GAL : 211.5

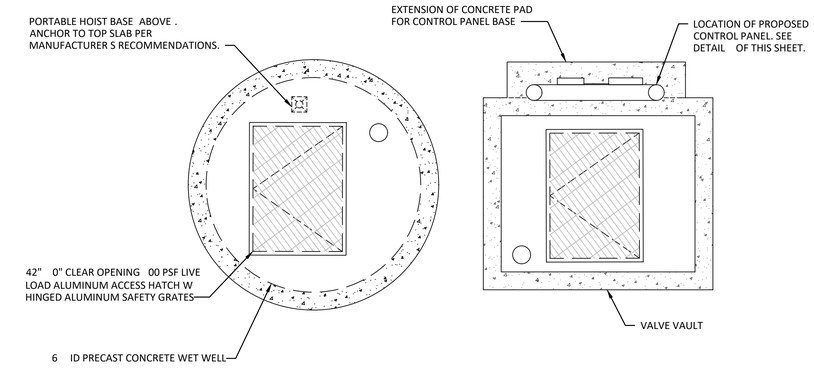
1.4. EXISTING PUMP STATION VOLUME GAL : ,815 APPROX.

1.5. VALVE VAULT DIMENSIONS APPROXIMATE : 5 -4 1/4" W 6 -5" L 4 - 20"

2. REFER TO SPECIFICATIONS DOCUMENT SECTION 40 0 00 - INSTRUMENTATION AND CONTROL FOR PROCESS SYSTEMS INFORMATION.

. REFER TO SPECIFICATIONS DOCUMENT SECTION 40 0 00.01 - FOR COMPONENT SPECIFICATIONS INFORMATION.

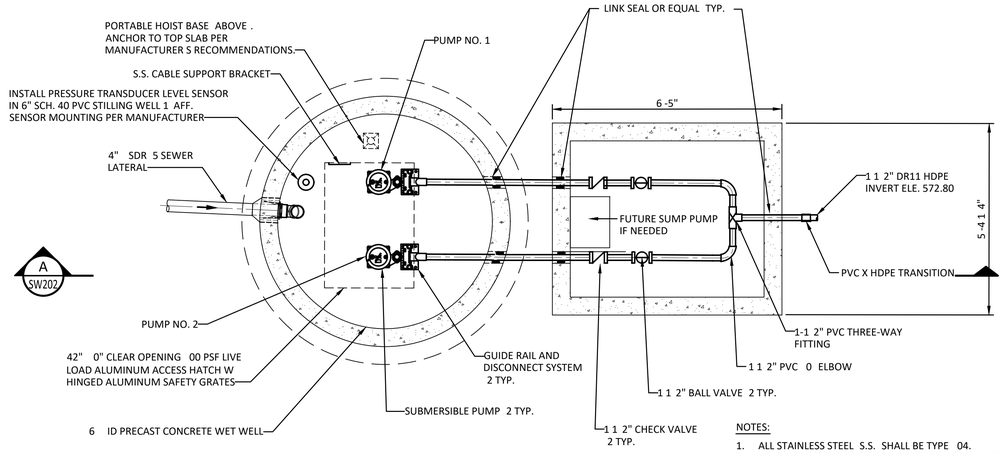
4. REFER TO SPECIFICATIONS DOCUMENT SECTION 4 25 1 .27 - FOR SUBMERSIBLE SEWAGE PUMPS INFORMATION.



NOTE:

1. REFER TO PUMP STATION PLAN SECTION OF THIS SHEET.

1 PUMP STATION UPPER PLAN
SCALE: 1 2" 1 -0"



NOTES:

1. ALL STAINLESS STEEL S.S. SHALL BE TYPE 04.
2. ALL BURIED FITTINGS SHALL HAVE RESTRAINED JOINTS.
. ALL PIPE PENETRATIONS SHALL BE SEALED VIA LINK-SEAL OR EQUAL FOR FLEXIBLE CONNECTIONS, UNLESS OTHERWISE SHOWN.

2 PUMP STATION LOWER PLAN
SCALE: 1 2" 1 -0"

1 2" 1 -0" 2 0 2 4

DWG. FILENAME:

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND 39303 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.	PERMIT REVISIONS #1	B&L	05/19/25	R.O.W NO.	UNE	TUNNEL1 TUNNEL2 SEWER1 TUNNEL3	PLAN SCALE: NTS	APPROVED BY: PROPERTY MANAGER
		CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

ENGINEER:	DGN BY: BB
BARTON AND LOGUIDICE, D.P.C	DWN BY: PM/BAD
AS-BUILT PER RECORD PRINT	CHKD BY: DAK/BAB
BY: DATE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DATE : 05/14/2025

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

PROPOSED PUMP STATION PLAN AND DETAILS

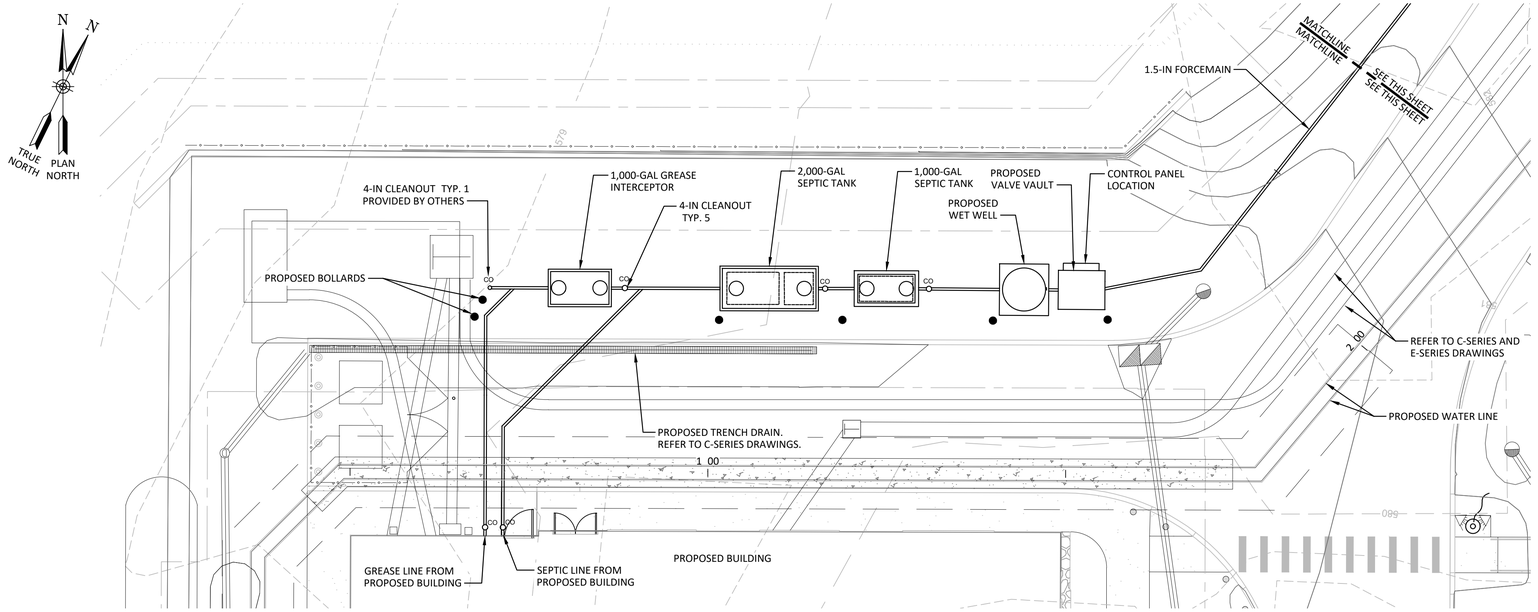
100% BID DOCUMENTS 05/15/2025

SUBDIVISION: JACKSONVILLE — 3601 SWEET AIR RD, PHOENIX, MD 21131 — ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW202	25010 P00
	JOB ORDER NUMBER
	10-701-1861
	SHEET 190 OF 195
	DRAWING NUMBER
	2025-0407
	FILE NO.: 8 4%

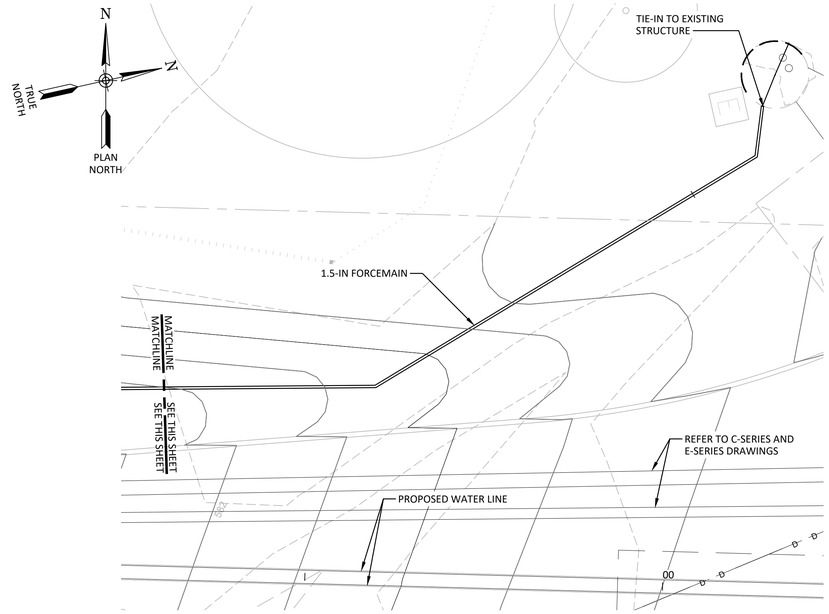
BALTIMORE COUNTY MARYLAND

100% BID DOCUMENTS 05/15/2025



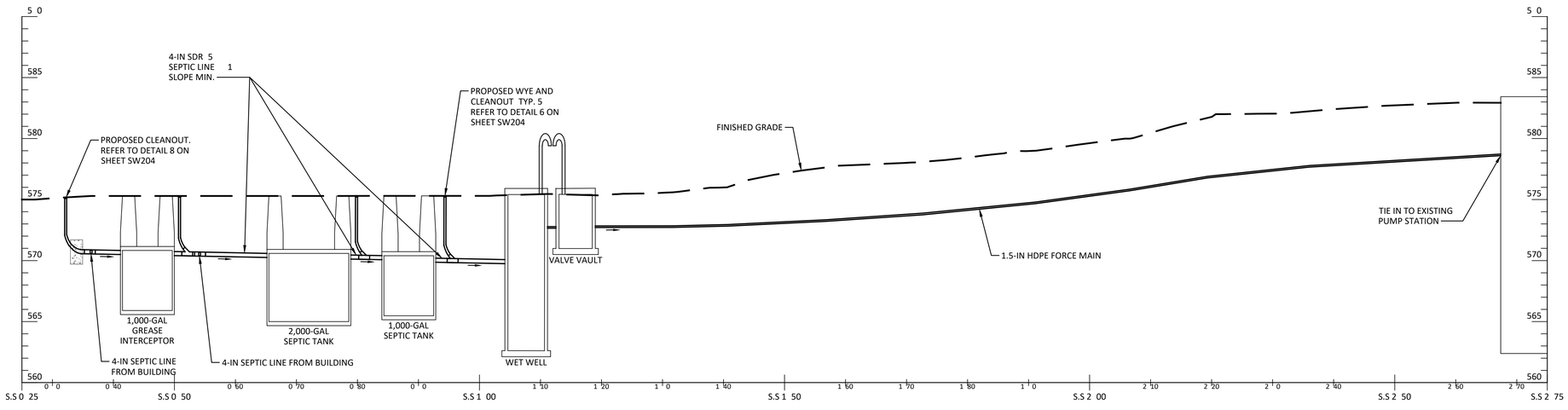
FORCE MAIN AND SEPTIC SYSTEM PLAN

SCALE: 1" 10 -0"



FORCE MAIN AND SEPTIC SYSTEM PLAN

SCALE: 1" 10 -0"



FORCE MAIN AND SEPTIC SYSTEM PROFILE

HORI ONTAL SCALE: 1" 10 -0"
VERTICAL SCALE: 1" 5 -0"

NOTES:
1. ALL SANITARY GRAVITY LINES ARE TO BE 4-IN SDR 5 PIPE.

10 0 10 20
1" 10

DWG. FILENAME:

SEAL

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____					R.O.W NO.	VOID	TSHEET1 TSHEET2 SSHEET1 TSHEET3	PLAN SCALE: 1"=10' PROFILE SCALE: AS SHOWN		APPROVED BY: _____ PROPERTY MANAGER DATE: _____
		CONTRACT COMPLETION BOX								
ENGINEER: _____	DGN BY: PH/BJS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BARTON AND LOGUIDICE, D.P.C	DWN BY: BAB	REVIEWED BY:								
AS–BUILT PER RECORD PRINT										
BY: DATE:	CHKD BY: DJK	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

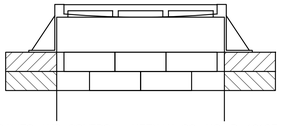
SEWER PROFILE

100% BID DOCUMENTS 05/15/2025

SUBDIVISION: JACKSONVILLE — 3601 SWEET AIR RD, PHOENIX, MD 21131 — ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW203	25010 P00
JOB ORDER NUMBER	10–701–1861
SHEET	191 OF 195
DRAWING NUMBER	2025–0408
FILE NO.:	8 of 26

100% BID DOCUMENTS 05/15/2025



NOTES:

1. MANHOLES SUBJECT TO FLOODING:

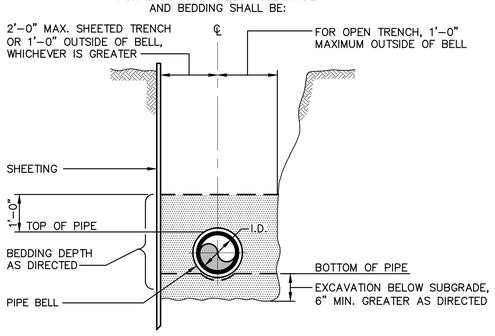
   PAVED AREA: 24" MANHOLE FRAMES AND COVERS – NEENAH CO. NO. R–1916F OR APPROVED EQUIVALENT.
   30" MANHOLE FRAMES AND COVERS – NEENAH CO. NO. R–1916H OR APPROVED EQUIVALENT.

   UNPAVED AREA: 24" MANHOLE FRAMES AND COVERS – NEENAH CO. NO. R–1917 OR APPROVED EQUIVALENT.
   30" MANHOLE FRAMES AND COVERS – NEENAH CO. NO. R–1916H OR APPROVED EQUIVALENT.

2. CONTRACTOR SHALL CONSTRUCT, AT NO EXTRA COST, MANHOLES WITH FLAT SLAB COVERS OF APPROVED DESIGN, WHERE THE MANHOLE DEPTH IS INSUFFICIENT TO PERMIT INSTALLATION OF A TAPER TOP OR WHERE OTHERWISE SHOWN.
3. MATERIALS USED SHALL CONFIRM TO ASTM SPECIFICATION A–48, CLASS 30B CAST IRON, PER SECTION 909.04 SPECIFICATIONS (BALTIMORE CO. DEPT. OF PUBLIC WORKS AND TRANSPORTATION STANDARDS, SPECIFICATIONS, AND DETAILS FOR CONSTRUCTION).
4. FRAME & COVERS USED WITHIN THE LIMITS OF BALTIMORE COUNTY PROPERTY MUST HAVE WRITTEN "BALTIMORE COUNTY SANITARY SEWER" ON THE COVER.
5. FRAME & COVERS IF USED OUTSIDE OF BALTIMORE COUNTY R/W OR EASEMENTS, SUBSTITUTE THE WORDS "PRIVATE SANITARY SEWER" FOR BALTIMORE COUNTY SANITARY SEWER" ON THE COVER.

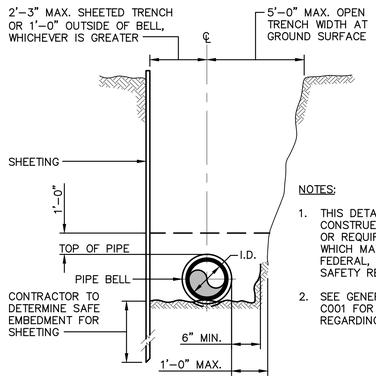
1 STANDARD MANHOLE DETAIL

SCALE: NOT TO SCALE



2 LIMITS FOR EXCAVATION BELOW SUBGRADE AND BEDDING DETAIL

SCALE: NOT TO SCALE

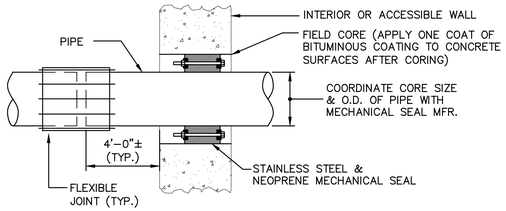


NOTES:

1. THIS DETAIL SHALL NOT BE CONSTRUED AS PERMITTING OR REQUIRING OPERATIONS WHICH MAY VIOLATE FEDERAL, STATE OR LOCAL SAFETY REGULATIONS.
2. SEE GENERAL NOTES, SHEET C001 FOR DETAILS REGARDING PIPE BEDDING.

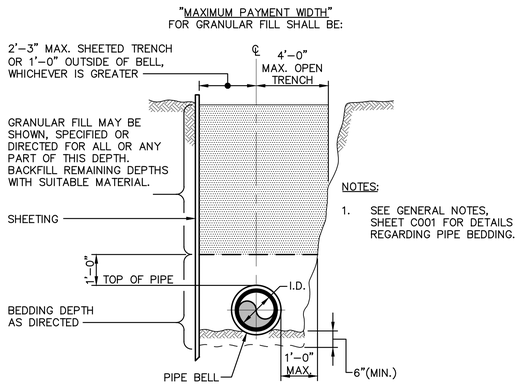
LIMITING WIDTHS OF TRENCH

SCALE: NOT TO SCALE



4 TYPICAL FIELD CORE PIPE WALL PENETRATION DETAIL

SCALE: NOT TO SCALE

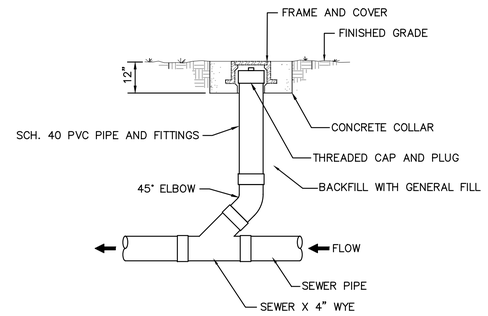


NOTES:

1. SEE GENERAL NOTES, SHEET C001 FOR DETAILS REGARDING PIPE BEDDING.

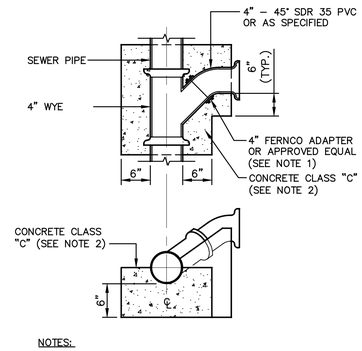
5 LIMITS FOR GRANULAR FILL DETAIL

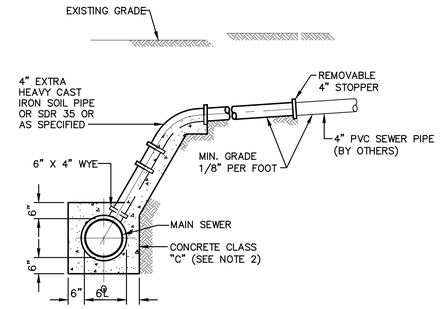
SCALE: NOT TO SCALE



6 SEWER CLEANOUT DETAIL

SCALE: NOT TO SCALE



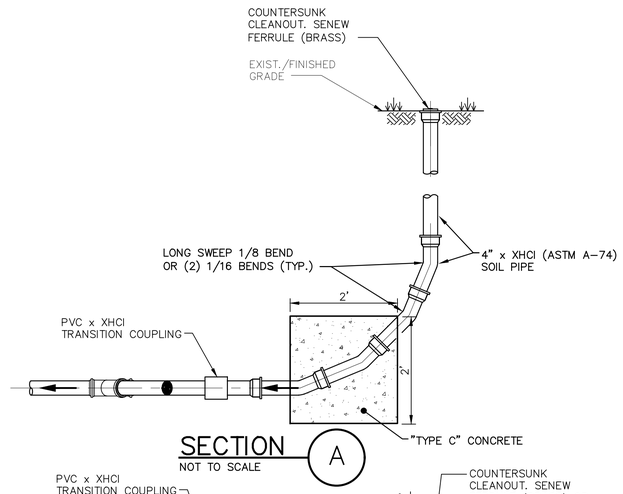


NOTES:

1. USE FERNCO ADAPTER OR APPROVED EQUAL WHERE MATERIAL FOR MAIN SEWER PIPE DIFFERS FROM MATERIAL FOR LATERAL.
2. CONCRETE CRADLE TO BE PROVIDED ONLY FOR RIGID PIPE. LINING TO BE PROVIDED FOR FLEXIBLE PIPE.
3. CONTRACTOR TO DETERMINE SAFE EMBEDMENT FOR SHEETING.
4. PIPE AND FITTING SIZES SHALL BE AS SHOWN ON PLANS.

7 TYPICAL SERVICE SEWER CONNECTION GRAVITY SEWER

SCALE: NOT TO SCALE



NOTES:

1. WHERE A 90° BEND IS NEEDED, CONTRACTOR SHALL INSTALL A 45° WYE WITH CLEANOUT, FOLLOWED BY A 45° BEND.

8 BUILDING SEWER CLEANOUT DETAIL

SCALE: NOT TO SCALE

DWG. FILENAME:

SEAL

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

BARTON AND LOGUIDICE, D.P.C

AS–BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: BH/PA

DWN BY: PA/BAB

CHKD BY: DK

AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
PERMIT REVISIONS #1	B&L	05/15/25			TOWER1
			R.O.W NO.		TOWER2
CONTRACT COMPLETION BOX					GOOGLE1
					TOWER3

DRAWING SCALE	
PLAN SCALE:	NTS
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

OSDS DETAILS 1

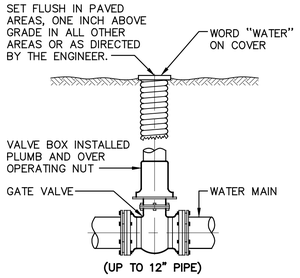
100% BID DOCUMENTS 05/15/2025

SUBDIVISION: **JACKSONVILLE**

3601 SWEET AIR RD, PHOENIX, MD 21131

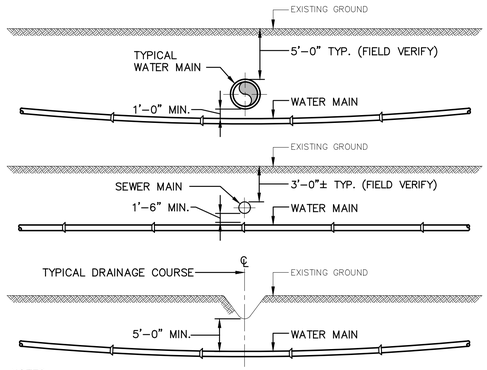
ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW204	25010 P00
	JOB ORDER NUMBER
	10–701–1861
	SHEET 192 OF 195
	DRAWING NUMBER
	2025–0409
	FILE NO.: 8 REV. 40/46



1 VALVE BOX DETAIL

SCALE: NOT TO SCALE

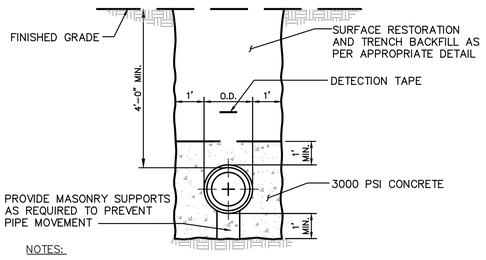


NOTES:

1. DRAINAGE COURSE CROSSING SHALL BE ACCOMPLISHED BY PIPE JOINT DEFLECTION IF NECESSARY. JOINT DEFLECTION SHALL NOT TO EXCEED MANUFACTURES RECOMMENDATIONS.
2. WHERE MINIMUM 1'–6" SEPARATION FROM SEWER OR WATER MAINS CANNOT BE MAINTAINED, WATER MAIN SHALL BE ENCASED IN A MINIMUM OF 1'–0" OF CLASS "C" CONCRETE, 10'–0" EACH SIDE OF THE CROSSING.

2 TYPICAL PROFILE AND CROSSING - WATER LINE

SCALE: NOT TO SCALE

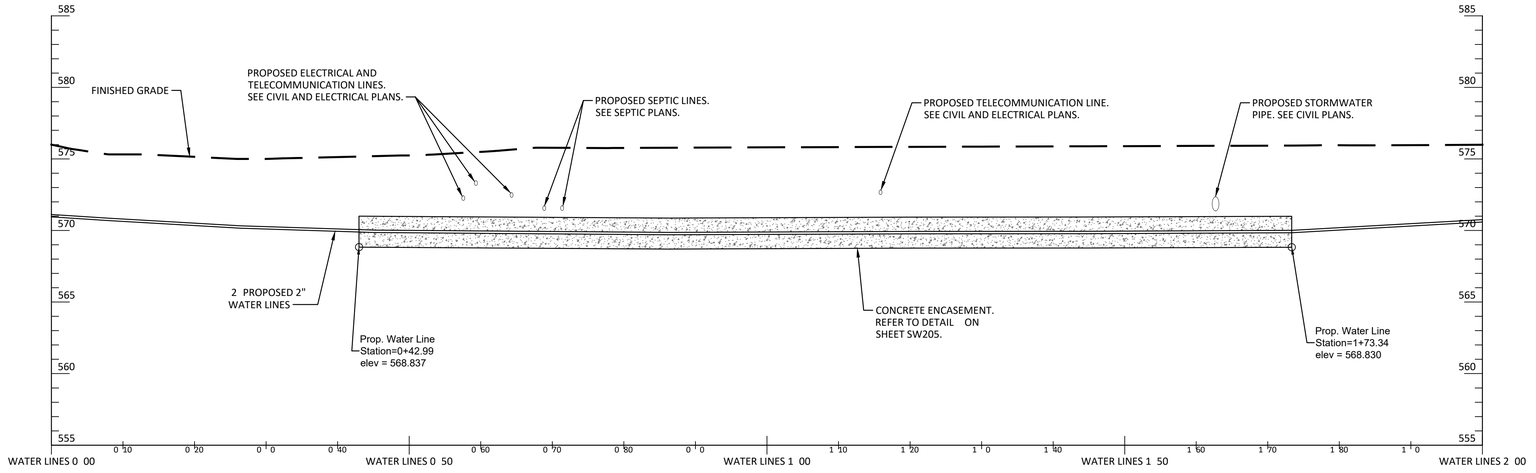


NOTES:

1. CONCRETE ENCASEMENT TO BE USED WHERE MINIMUM CLEARANCE CANNOT BE OBTAINED BETWEEN WATER LINE AND SANITARY SEWERS AND STORM SEWER. ENCASEMENT SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER IN THE FIELD.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT FLOATATION OF THE PIPE WHEN CONCRETE IS POURED.

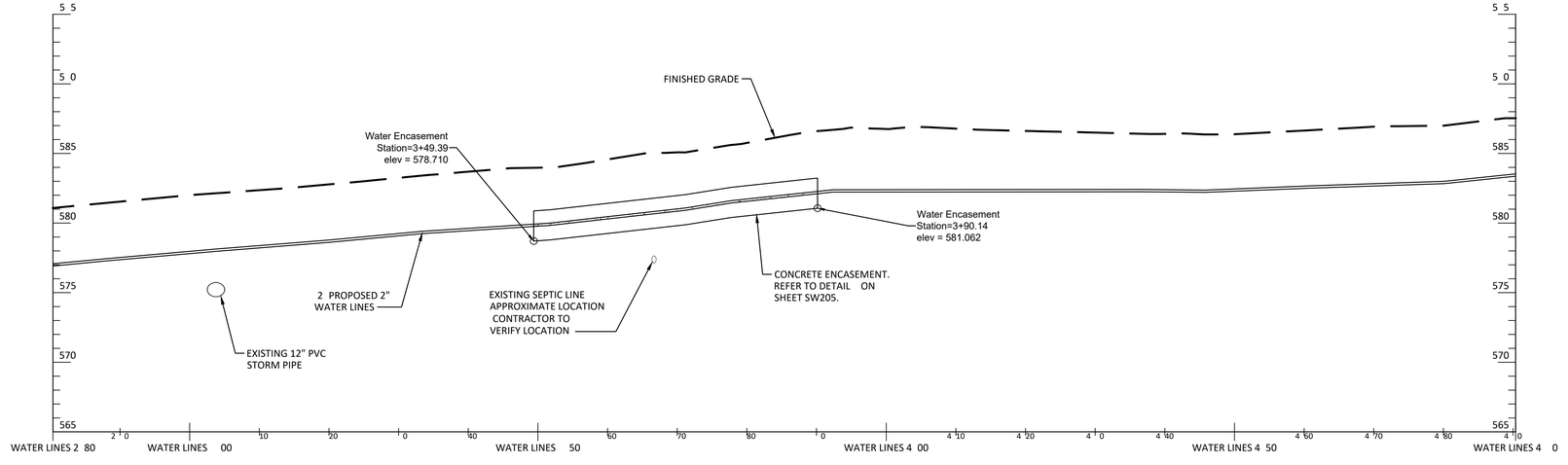
CONCRETE ENCASEMENT

SCALE: NOT TO SCALE



4 WATER LINE PROFILE STA: 0 00 - 2 00

SCALE: 1" 10 H - 1" 5 V



5 WATER LINE PROFILE STA: 2 80 - 4 0

SCALE: 1" 10 H - 1" 5 V

DWG. FILENAME:

SEAL

STATE OF MARYLAND — CHRISTOPHER T. PHILLIPS — 29303 — PROFESSIONAL ENGINEER

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____
BARTON AND LOGUIDICE, D.P.C
AS-BUILT PER RECORD PRINT
BY: _____
DATE: _____

DGN BY: _____
DWN BY: FH/BAB
CHKD BY: DMK

AS-BUILT / REVISION

	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO. _____
R.O.W NO. _____

KEY SHEET: SW205

POSITION SHT: TOWER1, TOWER2, GOOGLE1, TOWER3

DRAWING SCALE: PLAN SCALE: NTS; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

MISCELLANEOUS DETAILS 1

100% BID DOCUMENTS 05/15/2025

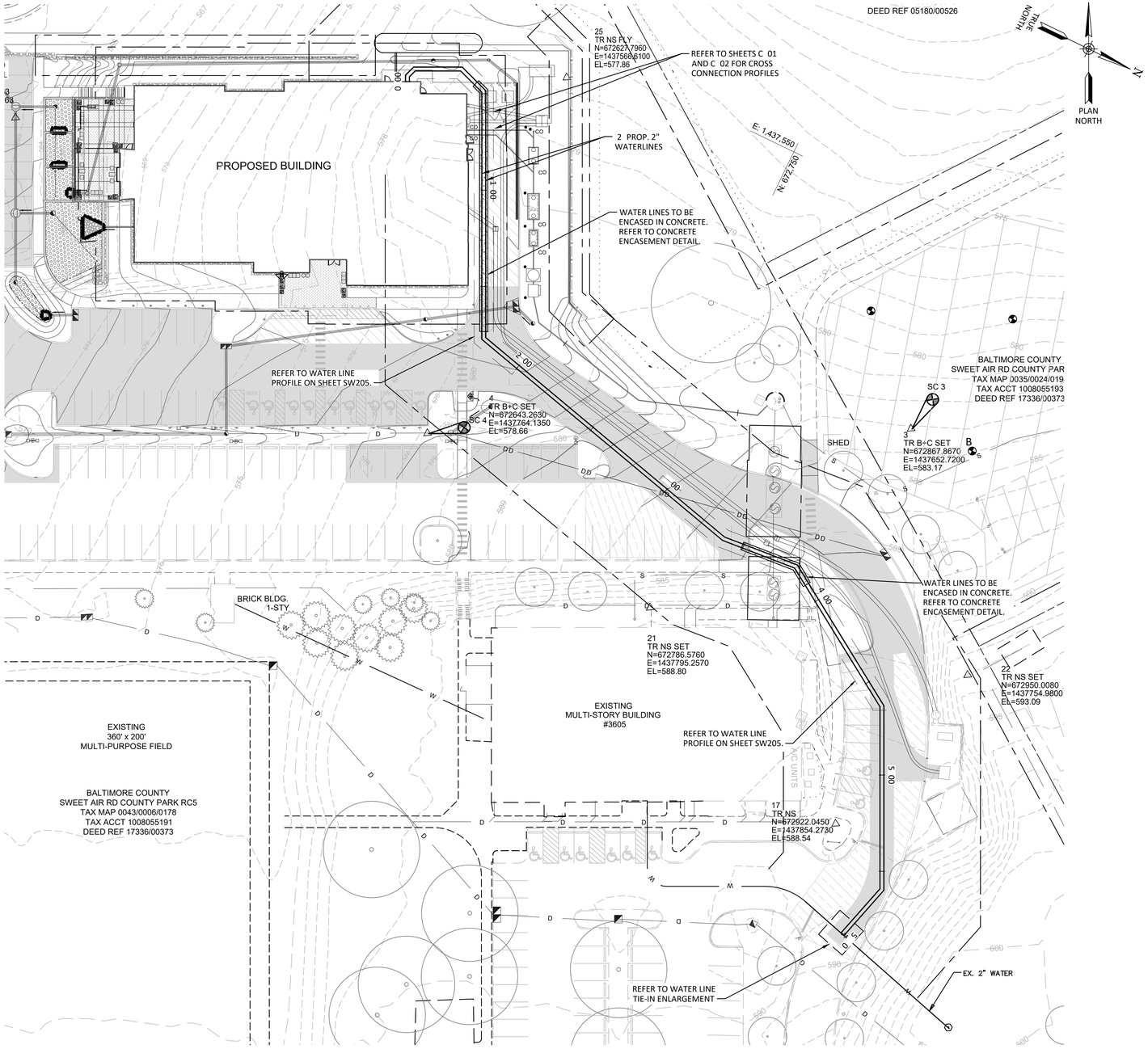
SUBDIVISION: **JACKSONVILLE**

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.:10C3

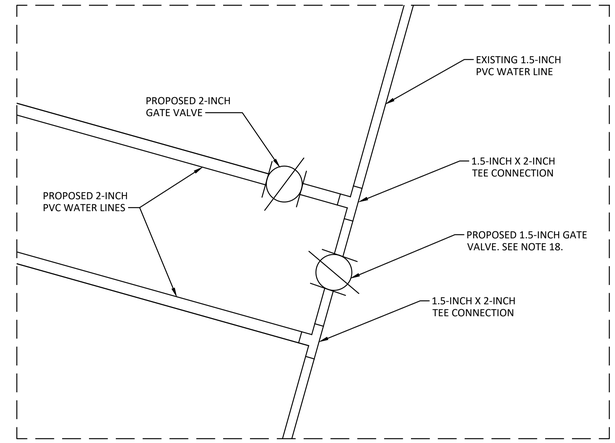
SHEET DESIGNATION	CONTRACT NUMBER
SW205	25010 P00
	JOB ORDER NUMBER
	10–701–1861
	SHEET 193 OF 195
	DRAWING NUMBER
	2025–0410
	FILE NO.: 8 REV. 40/0

BALTIMORE COUNTY MARYLAND



PROPOSED WATER LINE

SCALE: 1" 0 -0"



1 WATER LINE TIE-IN ENLARGEMENT

SCALE: NTS

GENERAL NOTES

1. UNDERGROUND UTILITIES ARE APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL CONFIRM LOCATION AND ELEVATION OF ALL CONNECTIONS AND CROSSINGS OF UTILITIES. ANY DAMAGE TO FACILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
2. PROVIDE 4 FEET MINIMUM COVER OVER TOP OF WATER MAIN UNLESS OTHERWISE NOTED ON PLAN.
3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 10 FEET OR A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN OUTSIDE WALLS OF SANITARY SEWER AND WATER MAINS UNLESS OTHERWISE SHOWN ON THE PLANS.
4. UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXISTING LANDSCAPE FEATURES LOCATED WITHIN OR OUTSIDE OF DESIGNATED RIGHTS–OF–WAY OR PERMANENT EASEMENTS WHICH ARE DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, (INCLUDING BUT NOT LIMITED TO: CULVERT PIPES, SWALES, TREES, SHRUBS, BUSHES, PLANTERS, SIGNS, ASPHALT DRIVES, CONCRETE DRIVES, GRAVEL DRIVES, FENCES, AND WALKWAYS) SHALL BE RESTORED AND/OR REPLACED IN KIND, SIZE, MATERIAL AND TYPE AS APPLICABLE, BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL DRIVEWAY CULVERTS MAY NOT BE SHOWN ON THE PLANS FOR CLARITY. CONTRACTOR SHALL SAW CUT ASPHALT AND CONCRETE PAVEMENT AT ALL ROAD AND DRIVEWAY CROSSINGS, UNLESS OTHERWISE SPECIFIED.
5. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY SUPPORT AND/OR RELOCATION OF UTILITY POLES, WHERE NECESSARY, WITH THE RESPECTIVE UTILITY. SUCH COORDINATION AND SUPPORT SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY SURVEY OR RIGHT–OF–WAY MONUMENTS DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY A LICENSED LAND SURVEYOR TO RESTORE ALL DISTURBED MONUMENTS TO THEIR ORIGINAL LOCATION.
7. VERTICAL FITTINGS ARE NOT SHOWN OR CALLED OUT ON THE DRAWINGS FOR THE WATER MAIN, EXCEPT WHERE SHOWN IN PROFILE VIEW. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED FITTINGS TO CONSTRUCT THE WATER MAIN AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH APPLICABLE STANDARDS.
8. RESTORE ALL SURFACES TO AS GOOD OR BETTER CONDITION THAN BEFORE CONSTRUCTION AS SOON AS POSSIBLE FOLLOWING COMPLETION OF WORK IN ANY AREA.
9. ALL HORIZONTAL AND VERTICAL FITTINGS TO BE RESTRAINED USING THRUST BLOCKS. THE CONTRACTOR MAY ALSO INSTALL MECHANICAL JOINT RESTRAINT. INSTALLING JOINT RESTRAINT DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THRUST BLOCKS AND NO ADDITIONAL PAYMENT WILL BE MADE.
10. ALL HYDRANTS, VALVES, FITTINGS, SERVICES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH BALTIMORE COUNTY WATER AUTHORITY STANDARDS.
11. AT ALL STORMWATER CULVERT CROSSINGS, WATER MAIN INSTALLATION SHALL BE BELOW THE EXISTING CULVERT UNLESS OTHERWISE SHOWN ON THE PLANS.
12. UNLESS OTHERWISE NOTED THE LIMITS OF CLEARING WILL BE EQUAL TO THE BOUNDARIES OF THE EASEMENTS.
13. CONTRACTOR SHALL GIVE 72 HOURS NOTICE TO BCPM PRIOR TO COMMENCEMENT OF CONSTRUCTION. BCPM AND GENERAL CONTRACTOR ARE ALLOWED TO OPERATE EXISTING VALVES IN THE BCPM WATER SYSTEM.
14. ALL EXISTING WELLS SHALL BE PROTECTED WHILE WATER MAIN AND SERVICES ARE BEING INSTALLED.
17. CONTRACTOR'S LIMITS OF CLEARING SHALL BE CONFINED TO RIGHT–OF–WAY AND PERMANENT EASEMENTS.
18. ONCE FINAL CONNECTIONS BETWEEN WELL AND NEW BUILDING ARE COMPLETED, GATE VALVE WILL REMAIN LOCKED IN THE CLOSED POSITION AT ALL TIMES
19. ALL PROPOSED WATER LINE PIPES ARE TO BE 2 INCH C–PVC.

DWG. FILENAME:

SEAL

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.					R.O.W NO.	USE	TOWER1 TOWER2 SOUTH1 TOWER3	PLAN SCALE: NTS		APPROVED BY: _____ PROPERTY MANAGER
		CONTRACT COMPLETION BOX						PROFILE SCALE: AS SHOWN		DATE: _____
ENGINEER: _____	DGN BY: PIA/BJS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BARTON AND LOGUIDICE, D.P.C	DWN BY: PIA/BJS	REVIEWED BY:								
AS–BUILT PER RECORD PRINT										
BY: DATE:	CHKD BY: BJS/DMC	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

JACKSONVILLE SENIOR CENTER

WATER PLAN

100% BID DOCUMENTS 05/15/2025

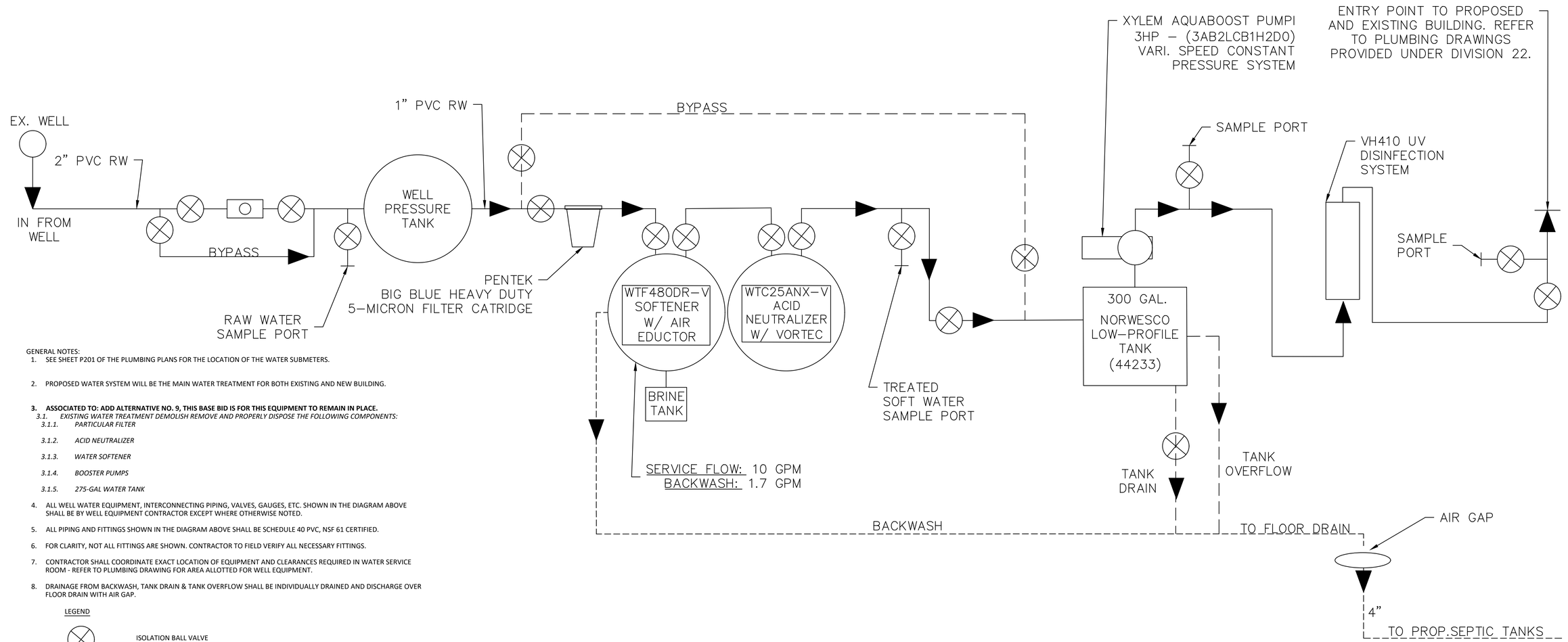
SUBDIVISION: JACKSONVILLE

3601 SWEET AIR RD, PHOENIX, MD 21131

ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW300	25010 P00
	JOB ORDER NUMBER
	10–701–1861
	SHEET 194 OF 195
	DRAWING NUMBER
	2025–0411
	FILE NO.: 6 of 7

NEW BUILDING - JACKSONVILLE SENIOR CENTER



GENERAL NOTES:

1. SEE SHEET P201 OF THE PLUMBING PLANS FOR THE LOCATION OF THE WATER SUBMETERS.
2. PROPOSED WATER SYSTEM WILL BE THE MAIN WATER TREATMENT FOR BOTH EXISTING AND NEW BUILDING.
3. **ASSOCIATED TO: ADD ALTERNATIVE NO. 9, THIS BASE BID IS FOR THIS EQUIPMENT TO REMAIN IN PLACE.**
   - *3.1. EXISTING WATER TREATMENT DEMOLISH REMOVE AND PROPERLY DISPOSE THE FOLLOWING COMPONENTS:*
     - *3.1.1. PARTICULAR FILTER*
     - *3.1.2. ACID NEUTRALIZER*
     - *3.1.3. WATER SOFTENER*
     - *3.1.4. BOOSTER PUMPS*
     - *3.1.5. 275-GAL WATER TANK*
4. ALL WELL WATER EQUIPMENT, INTERCONNECTING PIPING, VALVES, GAUGES, ETC. SHOWN IN THE DIAGRAM ABOVE SHALL BE BY WELL EQUIPMENT CONTRACTOR EXCEPT WHERE OTHERWISE NOTED.
5. ALL PIPING AND FITTINGS SHOWN IN THE DIAGRAM ABOVE SHALL BE SCHEDULE 40 PVC, NSF 61 CERTIFIED.
6. FOR CLARITY, NOT ALL FITTINGS ARE SHOWN. CONTRACTOR TO FIELD VERIFY ALL NECESSARY FITTINGS.
7. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT AND CLEARANCES REQUIRED IN WATER SERVICE ROOM - REFER TO PLUMBING DRAWING FOR AREA ALLOTTED FOR WELL EQUIPMENT.
8. DRAINAGE FROM BACKWASH, TANK DRAIN & TANK OVERFLOW SHALL BE INDIVIDUALLY DRAINED AND DISCHARGE OVER FLOOR DRAIN WITH AIR GAP.

LEGEND

- ISOLATION BALL VALVE
- FLOW METER
- PIPING AND FLOW DIRECTION

DWG. FILENAME:

SEAL

DATE : 05/14/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____ DGN BY: _____
BARTON AND LOGUIDICE DWN BY: **PIA**
AS-BUILT PER RECORD PRINT CHKD BY: **AMP/DMK**
BY: DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
					TOWER1	PLAN SCALE: NTS	APPROVED BY: _____ PROPERTY MANAGER
			R.O.W NO.	UNE	TOWER2 GUARD1 TOWER3	PROFILE SCALE:	DATE: _____
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
JACKSONVILLE SENIOR CENTER
PROPOSED WATER SYSTEM SCHEMATIC
100% BID DOCUMENTS 05/15/2025
SUBDIVISION: **JACKSONVILLE** 3601 SWEET AIR RD, PHOENIX, MD, 21131 ELECTION DIST. NO.:10C3

SHEET DESIGNATION	CONTRACT NUMBER
SW301	25010 P00
JOB ORDER NUMBER	10-701-1861
SHEET 195 OF 195	
DRAWING NUMBER	2025-0412
FILE NO.: 8	REV. 0