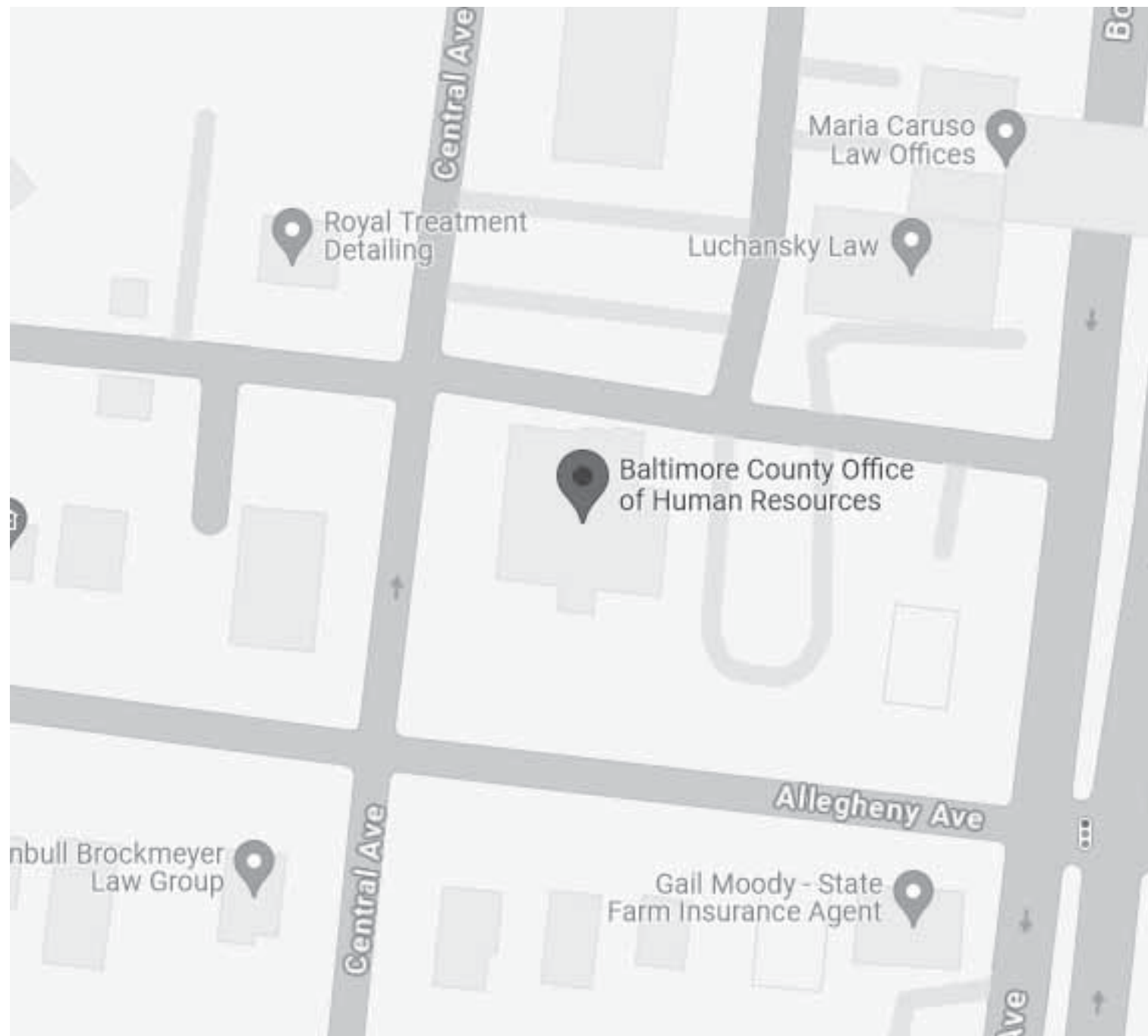


HUMAN RESOURCES BUILDING HVAC RENOVATION

308 ALLEGHENY AVE
TOWSON, MD 21204

BALTIMORE COUNTY PROPERTY MANAGEMENT
12200 A LONG GREEN PIKE
GLEN ARM, MARYLAND 21057
(410) 887-3861



VICINITY MAP
NOT TO SCALE

LOCATION MAP
NOT TO SCALE

MEP ENGINEER

HENRY ADAMS, LLC
600 BALTIMORE AVE, SUITE 400
TOWSON, MD 21204
410.296.6500

ARCHITECT

COLIMORE ARCHITECTS
1501 S CLINTON ST, FLOOR 13
BALTIMORE, MD 21224
410.752.3720

STRUCTURAL ENGINEER

ALBRECHT ENGINEERING, INC.
3500 BOSTON ST, MS-12, SUITE 329
BALTIMORE, MD 21224
410.522.5870

100% CONSTRUCTION DOCUMENTS
DATE: FEBRUARY 23, 2026

HENRY ADAMS

Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DRAWING LIST

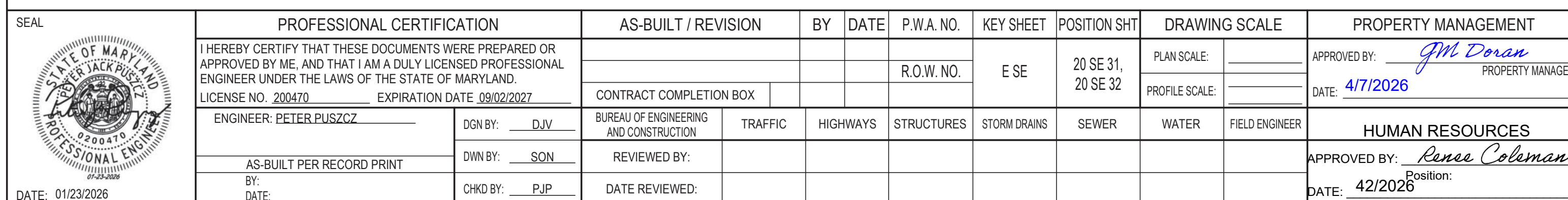
DRAWING LIST											
SHEET DESIGNATION	DWG NUMBER	DRAWING TITLE	SHEET DESIGNATION	DWG NUMBER	DRAWING TITLE	SHEET DESIGNATION	DWG NUMBER	DRAWING TITLE			
GENERAL			MECHANICAL			FIRE PROTECTION					
	G-1	2025-2598		COVER SHEET	M-1		2025-2616	MECHANICAL COVER SHEET	FP-1	2025-2639	FIRE PROTECTION COVER SHEET
	G-2	2025-2599		CODE REVIEW	M-2		2025-2617	GROUND FLOOR PLAN - MECHANICAL - DEMOLITION	FP-2	2025-2640	GROUND & FIRST FLOOR PLAN - FIRE PROTECTION - NEW WORK
ARCHITECTURAL											
	A-1	2025-2600	GENERAL NOTES, ABBREVIATIONS, SYBMBOLS & SCHEDULES	M-3	2025-2618	FIRST FLOOR PLAN - MECHANICAL - DEMOLITION	ELECTRICAL				
	A-2	2025-2601	SCHEDULES	M-4	2025-2619	SECOND FLOOR PLAN - MECHANICAL - DEMOLITION		E-1	2025-2642	ELECTRICAL COVER SHEET	
	A-3	2025-2602	SITE PLANS - DEMOLITION	M-5	2025-2620	ATTIC PLAN - MECHANICAL - DEMOLITION		E-2	2025-2643	ELECTRICAL COVER SHEET	
	A-4	2025-2603	GROUND FLOOR PLANS - DEMOLITION	M-6	2025-2621	GROUND FLOOR PLAN - MECHANICAL - NEW WORK	E-3	2025-2644	GROUND & FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION		
	A-5	2025-2604	FIRST FLOOR PLANS - DEMOLITION	M-7	2025-2622	FIRST FLOOR PLAN - MECHANICAL - NEW WORK					
	A-6	2025-2605	SECOND FLOOR PLANS - DEMOLITION	M-8	2025-2623	SECOND FLOOR PLAN - MECHANICAL - NEW WORK	E-4	2025-2645	SECOND FLOOR & ATTIC FLOOR PLAN - LIGHTING & FIRE ALARM DEMOLITION		
	A-7	2025-2606	ATTIC PLAN - DEMOLITION	M-9	2025-2624	ATTIC PLAN - MECHANICAL - NEW WORK					
	A-8	2025-2607	SITE PLANS - NEW WORK	M-10	2025-2625	MECHANICAL SECTIONS & ISOMETRIC VIEWS	E-5	2025-2646	GROUND FLOOR PLAN - POWER - DEMOLITION		
	A-9	2025-2608	GROUND FLOOR PLANS - NEW WORK	M-11	2025-2626	AIRFLOW DIAGRAM	E-6	2025-2647	FIRST & SECOND FLOOR PLANS - POWER - DEMOLITION		
	A-10	2025-2609	FIRST FLOOR PLANS - NEW WORK	M-12	2025-2627	MECHANICAL DETAILS	E-7	2025-2648	ATTIC PLAN - POWER - DEMOLITION		
	A-11	2025-2610	SECOND FLOOR PLANS - NEW WORK	M-13	2025-2628	MECHANICAL DETAILS	E-8	2025-2649	GROUND & FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK		
	A-12	2025-2611	ATTIC PLAN - NEW WORK	M-14	2025-2629	AUTOMATIC TEMPERATURE CONTROLS					
A-13	2025-2612	SITE AND PARTITION DETAILS	M-15	2025-2630	AUTOMATIC TEMPERATURE CONTROLS	E-9	2025-2650	SECOND FLOOR & ATTIC FLOOR PLAN - LIGHTING & FIRE ALARM NEW WORK			
STRUCTURAL											
	S-0	2025-2613	GENERAL NOTES	M-16	2025-2631	AUTOMATIC TEMPERATURE CONTROLS	E-10	2025-2651	GROUND FLOOR PLAN - POWER - NEW WORK		
	S-1	2025-2614	PLANS - STRUCTURAL - NEW WORK	M-17	2025-2632	MECHANICAL SCHEDULES	E-11	2025-2652	FIRST & SECOND FLOOR PLANS - POWER - NEW WORK		
	S-2	2025-2615	DETAILS	M-18	2025-2633	A2L REFRIGERANT GENERAL NOTES AND SPECIFICATIONS	E-12	2025-2653	ATTIC PLAN - POWER - NEW WORK		
							E-13	2025-2654	ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION		
							E-14	2025-2655	ELECTRICAL ONE-LINE DIAGRAM - NEW WORK		
							E-15	2025-2656	ELECTRICAL EQUIPMENT SCHEDULES		
							E-16	2025-2657	PANELBOARD SCHEDULES		
							E-17	2025-2658	PANELBOARD SCHEDULES		
				</							

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION		CONTRACT NUMBER
G-1		25133 PO0
	JOB ORDER NUMBER	
	PROJ-10001055	
	SHEET 1 OF 61	
	DRAWING NUMBER	
	2025-2598	
		FILE NO.: 8

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R - - - -	BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT	
	HUMAN RESOURCES BUILDING	
	COVER SHEET	
	HVAC RENOVATION	
	SUBDIVISION: TOWSON	308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

LEGEND - LIFE SAFETY PLAN

EXISTING WALLS

NEW WALLS

SMOKE PARTITION

1 HR RATED WALL ASSEMBLY

2 HR RATED WALL ASSEMBLY

C.P.

EXIT ACCESS TRAVEL DISTANCE

SECOND MEANS OF EGRESS PATH

EMERGENCY LIGHTING

EXIT

FE

FIRE EXTINGUISHER

FEC

FIRE EXTINGUISHER CABINET

BUILDING CODE SUMMARY

JURISDICTION: BALTIMORE COUNTY, MARYLAND

PROJECT: BALTIMORE COUNTY HUMAN RESOURCES BUILDING

PROJECT LOCATION:
308 ALLEGHENY AVE
TOWSON, MD 21204

APPLICABLE CODES
BALTIMORE COUNTY BUILDING CODE, BILL 49-24 (07/01/2024), COMPRISED OF THE FOLLOWING UNDERLYING CODES :

2021 IBC, INTERNATIONAL EXISTING BUILDING CODE
2021 IBC, INTERNATIONAL BUILDING CODE, including appendices c, g & f
2021 IMC, INTERNATIONAL MECHANICAL CODE
2021 IPC, INTERNATIONAL PLUMBING CODE
2021 IECC, INTERNATIONAL ENERGY CONSERVATION CODE
2018 NFPA 101, ADOPTED AND AMENDED BY BALT. COUNTY BILL 14-21
2018 NFPA 1
2023 NFPA 70 NATIONAL ELECTRIC CODE

COMAR 05.02.02 STATE OF MARYLAND ADOPTS 2010 ADAAG "

LOCAL AMENDMENTS:
FIRE CODES: BALTIMORE COUNTY BILL 14-21, 04/18/2021
BUILDING CODES: BALTIMORE COUNTY BILL 40-15, 07/01/2015
PLUMBING CODES: BALTIMORE COUNTY BILL 94-23, 07/01/2024

BUILDING USE GROUP CLASSIFICATIONS & CONSTRUCTION TYPES
IBC USE CLASSIFICATION: B-BUSINESS
CONSTRUCTION TYPE: II B, TABLE 601

SPRINKLERED:
BUILDING IS FULLY SPRINKLERED

BUILDING HEIGHT AND AREA:
BUILDING STORIES: 3
AREA: GROUND FLOOR 5,615 SF
FIRST FLOOR 5,468 SF
SECOND FLOOR 5,468 SF
TOTAL GROSS BUILDING AREA 16,551 SF

OCCUPANT LOAD:
GROUND FLOOR - NET AREA = 3,637 SF, (36)
BUSINESS 2,081 SF @ 1:150 = 14 OCC.
TRAINING 902 SF @ 1:50 = 19 OCC.
MECHANICAL 654 SF @ 1:300 = 3 OCC.

FIRST FLOOR- NET AREA = 3,865 SF, (51)
BUSINESS 2,403 SF @ 1:150 = 17 OCC.
HEARING 1,289 SF @ 1:40 = 33 OCC.
STORAGE 173 SF @ 1:300 = 1 OCC.

SECOND FLOOR- NET AREA = 2,957 SF (19)
BUSINESS 2,403 SF @ 1:150 = 17 OCC.
STORAGE 199 SF @ 1:300 = 1 OCC.
UTILITY 64 SF @ 1:300 = 1 OCC.

TOTAL BUILDING OCCUPANTS = 106 OCC.

MINIMUM NUMBER OF EXITS PER FLOOR:
GROUND FLOOR - 36 OCC.: REQ. 1 PROVIDED 2
FIRST FLOOR - 51 OCC.: REQ. 2 PROVIDED 2
SECOND FLOOR 19 OCC.: REQ. 1 PROVIDED 2

EGRESS CAPACITY CALCULATION
OTHER EGRESS COMPONENTS 0.2" / OCCUPANT
STAIR 0.3" / OCCUPANT

TRAVEL DISTANCES
EXIT ACCESS TRAVEL, GROUP B: 300 FT. MAX.
COMMON PATH OF TRAVEL, GROUP B: 100FT MAX.
DEAD END CORRIDOR, GROUP B: 50 FT MAX.

FINISHES FIRE-RESISTANCE RATINGS :
INTERIOR WALL FINISHES: CLASS B
INTERIOR FLOOR FINISHES: CLASS I OR II

CONSTRUCTION FIRE-RESISTANCE RATINGS:
CORRIDOR WALL CONSTRUCTION: NON-RATED
CORRIDOR DOOR CONSTRUCTION: NON-RATED
EXIT STAIR WALL CONSTRUCTION: 2-HOUR RATED
EXTERIOR WALL CONSTRUCTION: NON-RATED
FIREWALLS/PARTY WALLS/FIRE SEPARATION: 2-HOUR RATED
FLOOR CONSTRUCTION: 2-HOUR RATED
STRUCTURAL MEMBERS: 2-HOUR RATED
LOAD BEARING WALLS: 2-HOUR RATED
MINIMUM CEILING HEIGHT: 7'-6" A.F.F.
MAXIMUM CEILING PROJECTION: 6'-8" A.F.F.

SEAL DATE: 03/23/2026	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.					R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____ PROPERTY MANAGER	
	LICENSE NO. 16057 EXPIRATION DATE 02/23/2028		CONTRACT COMPLETION BOX								
	ARCHITECT: ASHUTOSH S. BELGI	DGN BY: Designer	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT	DWN BY: RR	REVIEWED BY:								
	BY: DATE:	CHKD BY: RR	DATE REVIEWED:								

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
CODE REVIEW
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION
G-2

CONTRACT NUMBER
25133 PO0

JOB ORDER NUMBER
PROJ-10001055

SHEET 2 OF 61
DRAWING NUMBER
2025-2599

FILE NO.: 8

COLIMORE
ARCHITECTS

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ARCHITECTURAL GENERAL NOTES	
1.	DO NOT SCALE THE DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, BOUNDARIES AND TYPE OF CONSTRUCTION BEFORE PROCEEDING WITH THE WORK AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES TO A/E. THE DIMENSIONS SHOWN FOR NEW CONSTRUCTION ARE APPROXIMATE.
2.	ALL WORK SHALL BE DONE IN WORKMANLIKE MANNER AND IN CONFORMANCE WITH ALL MANUFACTURER'S INSTALLATION AND GUARANTEE REQUIREMENTS.
3.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL AUTHORITIES, CODES, RULES, AND REGULATIONS.
4.	CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATION OF ALL BUILDING TRADES AND NECESSARY INSPECTIONS DURING AND AFTER CONSTRUCTION. CONTRACTOR SHALL HAVE A SUPERINTENDENT ON SITE AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION.
5.	ANY UNFORESEEN OR UNCLEAR CONDITIONS SHALL BE REPORTED TO THE AE TEAM AND OWNER PRIOR TO PROCEEDING WITH WORK.
6.	CONTRACTOR SHALL BE LIABLE FOR, AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT ALL EQUIPMENT AND BUILDING FROM DUST AND WATER DAMAGE.
7.	CONTRACTOR SHALL VERIFY ALL PRECAUTIONS NECESSARY WHEN OPEN FLAME OR TORCHES ARE BEING USED DURING CONSTRUCTION. CONTRACTOR SHALL VERIFY IF OPEN FLAME OR TORCHES ARE ALLOWED, AND IF A BURNING PERMIT IS REQUIRED.
8.	CONTRACTOR TO SEAL TIGHT AROUND ALL PLUMBING, CONDUIT, OR DUCT PENETRATIONS THROUGH FLOORS, CEILINGS AND PARTITIONS WITH MATERIAL OF SAME FINISH AND FIRE RATING AS PENETRATED BUILDING COMPONENT.
9.	THE CONTRACTOR IS SPECIFICALLY RESPONSIBLE FOR ALL MEANS AND METHODS OF JOB SITE SAFETY.
10.	CONTRACTOR SHALL ENSURE THAT NUMBERED REFERENCE NOTES ARE READ IN CONJUNCTION WITH A REFERENCE NOTE EXPLANATION. INDIVIDUAL DRAWINGS SHOULD NOT BE READ IN ISOLATION BY THE CONTRACTORS WORKMEN OR HIS SUBCONTRACTORS. A REFERENCE NOTE ON A DRAWING MAY OR MAY NOT BE IDENTIFIED BY A NOTE EXPLANATION ON THE SAME DRAWING SHEET.
11.	PROTECT ALL NEW OPENINGS FROM ELEMENTS THROUGHOUT CONSTRUCTION.
12.	VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT OR BY OTHERS.
13.	ANY CONFLICT IN THE DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS IS TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL WRITTEN CLARIFICATION FROM THE ARCHITECT IS RECEIVED.
14.	REFERENCE NOTES THAT INDICATE A SPECIFIC PRODUCT AND USE THE PHRASE " , OR EQUAL" OR "EQUAL TO. " ARE INTENDED TO DEFINE A MINIMUM STANDARD FOR THE REFERENCED MATERIAL OR COMPONENT.
15.	AT COMPLETION OF CONSTRUCTION, CONTRACTOR TO CLEAN ALL AREAS OF DEBRIS, DIRT, DUST, ETC. AND PREPARE THE AREA FOR ITS INTENDED USE.
16.	THE OWNER OR REPRESENTATIVE WILL FILE THE BUILDING PERMIT. THE CONTRACTOR WILL PICK-UP AND PAY FOR THE BUILDING PERMIT. THE CONTRACTOR AWARDED WILL BE RESPONSIBLE TO AMEND THE PERMIT NAME AND PROVIDE THE CONTRACTOR LICENSE NUMBER. PERMITS SHALL BE CONSPICUOUSLY POSTED AT JOB SITE.
17.	CONTRACTOR SHALL PROVIDE MSDS SPECIFICATIONS TO COMPLY WITH OSHA, AS PART OF SUBMITTAL PROCESS.
18.	FURNISH AND INSTALL SEALANT AT ALL FIXTURES AND CHANGE IN MATERIAL, AND AS REQUIRED BY APPLICABLE STATE HEALTH DEPARTMENT.
19.	ALL EXISTING DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED. ANY DISCREPANCIES IN DIMENSIONS, CONDITIONS, OR DOCUMENTS SHALL BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION. CONTRACTOR SHALL VISIT THE SITE TO ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS AND SHALL INCLUDE ANY AND ALL ITEMS OF WORK AND MATERIALS WHICH ARE EVIDENTLY NECESSARY FOR THE WORK SHOWN, EVEN THOUGH SUCH WORK MAY NOT BE EXPRESSLY SHOWN OR SPECIFIED.
20.	CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING ELEMENTS TO REMAIN.
21.	ALL ITEMS, EQUIPMENT, APPLIANCES, AND APPARATUS SHALL REMAIN THE PROPERTY OF THE OWNER. VERIFY THOSE ITEMS TO REMAIN (TO BE TAGGED BY OWNER), AND CAREFULLY REMOVE AND STORE ON SITE AS DIRECTED BY THE OWNER. ALL MISCELLANEOUS ITEMS SHALL BE REMOVED IN AN ORDERLY FASHION, SORTED, LABELED, AND BOXED.
22.	ALL DAMAGED AREAS IN EXISTING WALLS, CEILINGS, AND FLOORS DESIGNATED TO REMAIN SHALL BE REPAIRED TO ORIGINAL CONDITION WITH NEW MATERIALS AND FINISHES TO MATCH EXISTING MATERIALS AND FINISHES.
23.	CONTRACTOR SHALL PATCH ALL OPENINGS IN EXISTING WALLS, FLOORS, AND CEILINGS CAUSED BY NEW CONSTRUCTION ACTIVITY. PATCHED-IN NEW MATERIAL AND FINISHES SHALL MATCH EXISTING MATERIALS AND FINISHES UNLESS OTHERWISE NOTED.
24.	PORTIONS OF THIS FACILITY WILL REMAIN OPEN AND CONTINUE TO FUNCTION UNINTERRUPTED DURING CONSTRUCTION. COORDINATE ALL CONSTRUCTION ACTIVITY WITH OWNER AND ARCHITECT PRIOR TO START OF WORK AND DAILY DURING CONSTRUCTION. MAINTAIN EXISTING UTILITIES TO REMAIN, KEEP IN SERVICE. PROTECT AGAINST DAMAGE. DO NOT INTERRUPT SERVICES TO OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE OWNER. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS, AS ACCEPTABLE TO THE OWNER. MAINTAIN ALL REQUIRED MEANS OF EGRESS FROM OCCUPIED PORTIONS OF THE FACILITY.
25.	ALL SHADED WALLS SHOWN ON PLANS REPRESENT EXISTING CONSTRUCTION. ALL DASHED WALLS, WINDOWS, ETC., WHEN SHOWN ON A DEMOLITION PLAN, REPRESENT ITEMS TO BE REMOVED.

GENERAL NOTES - CEILING WORK

- SUSPENDED LAY-IN CEILING GRIDS SHALL BE CENTERED WITHIN THE ROOM UNLESS INDICATED OTHERWISE ON THE REFLECTED CEILING PLAN.
- ALL CUT-OUTS FOR DIFFUSERS, LIGHT FIXTURES, SPRINKLER HEADS, ETC., SHALL BE CENTERED IN LAY-IN PANELS, OR CENTERED IN THE 2'x2' UNIT OF 2'x4' SCORED PANEL UNLESS INDICATED OTHERWISE. ALL PENETRATIONS THRU CEILING SHALL BE SEALED WITH SEALANT.
- IF NOT INDICATED ON PLANS, LOCATE SUSPENDED LAY-IN CEILING GRID SYMMETRICALLY ABOUT THE CENTER OF THE ROOMS OR SPACES, IN BOTH DIRECTIONS, UNLESS OTHERWISE NOTED ON THE REFLECTED CEILING PLAN.
- LOCATE ALL CUT-OUTS FOR DIFFUSERS, LIGHT FIXTURES, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER CEILING MOUNTED MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, ETC. SHALL BE CENTERED IN LAY-IN PANELS, OR CENTERED IN THE 2'x2' UNIT OF 2'x4' SCORED PANEL UNLESS INDICATED OTHERWISE. LIGHTING LOCATIONS AS SHOWN TAKE PRECEDENCE.
- COORDINATE THE LAYOUT OF THE CEILING FRAMING TO ACHIEVE THE LOCATIONS, AS SHOWN ON THE MECHANICAL, ELECTRICAL AND PLUMBING ITEMS EXPOSED TO VIEW, INCLUDING, BUT NOT LIMITED TO LIGHT FIXTURES, AIR DIFFUSERS AIR RETURNS, SPRINKLER HEADS, SPEAKERS, SMOKE DETECTORS, ETC.
- MAINTAIN CLEARANCE BETWEEN CEILING FRAMING AND ALL DUCTWORK.
- LAYOUT CEILING FIXTURES IN ACCORDANCE WITH DRAWINGS. COORDINATE LOCATIONS OF DUCTWORK TO PREVENT CONFLICTS.
- MAINTAIN ALIGNMENT IN LOCATING CEILING FIXTURES, I.E. DIFFUSERS, LIGHTS, ETC., KEEPING AS CLOSE AS POSSIBLE TO DUCTWORK ABOVE CEILING, WHEN NECESSARY.
- LOCATION OF MECHANICAL, ELECTRICAL AND PLUMBING ITEMS SHOWN ON REFLECTED CEILING PLANS ARE FOR ARCHITECTURAL COORDINATION. NOT ALL ITEMS MAY BE SHOWN. SEE MEP DRAWINGS FOR LOCATION OF ADDITIONAL ITEMS.
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR THE TYPE, NUMBER AND LOCATION OF CEILING MOUNTED ITEMS IN ELECTRICAL AND MECHANICAL ROOMS AND OTHER UTILITY SPACES.
- ALL LIGHT FIXTURES, TYPE, STYLE, AND SIZE ARE AS NOTED IN SCHEDULE. COORDINATE LOCATIONS AS SHOWN ON REFLECTED CEILING PLANS OR INTERIOR ELEVATIONS.
- LOCATE MECHANICAL DIFFUSERS IN SPACES WITHOUT FINISHED CEILINGS WHERE CEILINGS ARE EXPOSED TO THE STRUCTURE.
- ALL PENETRATIONS THRU THE CEILING SHALL BE SEALED WITH SEALANT.
- GYPSUM BOARD SOFFITS AND BULKHEADS TO BE PAINTED.
- WHERE WATER DAMAGE IS PRESENT, GYPSUM BOARD BULKHEADS ARE TO BE REBUILT AND ARE TO MATCH EXISTING IN SIZE AND PAINTED.
- WHERE WALLS HAVE BEEN REMOVED, GYPSUM BOARD BULKHEADS ARE TO BE REBUILT AND ARE TO MATCH EXISTING IN SIZE AND PAINTED.

DUST CONTROL / CONTAINMENT NOTES:

- CONTRACTOR SHALL DEVELOP A DUST CONTAINMENT PLAN AND REVIEW WITH THE OWNER PRIOR TO START OF CONSTRUCTION. ADJUST LOCATIONS OF DUST CONTROL MEASURES AND CONTAINMENT BARRIERS AS REQUIRED TO ENSURE AN EFFECTIVE CONTAINMENT PERIMETER AT ALL AREAS IN WHICH WORK IS BEING PERFORMED.
- EACH WORK AREA SHALL HAVE ONE ENTRANCE USED BY CONTRACTOR'S PERSONNEL. INSTALL A ONE-STAGE DECONTAMINATION ENCLOSURE OR PORTABLE ANTEROOM AT THE ENTRANCE TO EACH WORK AREA.
- EACH CONSTRUCTION AREA SHALL BE MAINTAINED UNDER CONTAINMENT AND NEGATIVE PRESSURE UNTIL CONSTRUCTION HAS BEEN COMPLETED IN THAT AREA, AND THE AREA HAS BEEN FULLY CLEANED AND INSPECTED BY THE OWNER. COORDINATE ROUTING OF TEMPORARY VENTILATION DUCTWORK WITH OWNER.
- EXISTING SUPPLY AND RETURN DUCTWORK SERVING CONSTRUCTION AREA SHALL BE SHUT OFF AND CAPPED UNTIL CONSTRUCTION IS COMPLETED AND SPACE IS ACCEPTED BY THE OWNER'S PO.
- INFECTION CONTROL MATERIALS AND EQUIPMENT:
 - PLASTIC BARRIERS: 6 MIL. THICK FIRE-RETARDANT POLYETHYLENE PLASTIC SHEETING.
 - PORTABLE WORK ENCLOSURE SYSTEM: KONTROL KUBE, FIBERLOCK TECHNOLOGIES, INC. OR APPROVED EQUAL.
 - PORTABLE DUST CONTAINMENT SYSTEM: ZIP WALL LLC, OR APPROVED EQUAL.
 - ZIP-UP DOOR SYSTEM: PROTECTIVE PRODUCTS, INC., MINTIE TECHNOLOGIES, INC., OR APPROVED EQUAL.
 - TEMPORARY CONTAINMENT WALL: ONE LAYER 5/8" GWB EACH SIDE OF 2 5/8" METAL STUDS AT 160 C. MAXIMUM, WITH 3 1/2" SAB IN STUD CAVITY. WALL SHALL EXTEND FROM FLOOR SLAB TO SLAB ABOVE. GWB SHALL BE TAPPED AND SPACKLED.
 - DOORS IN TEMPORARY CONTAINMENT WALLS' SOLID CORE WOOD DOOR WITH PERIMETER GASKETING, BOTTOM SEAL, CLOSER, AND LOCK.
 - ADHESIVE WALK-OFF MATS: 3M OR APPROVED EQUAL. MINIMUM MAT SIZE 24 INCH BY 36 INCH.
 - WALK-OFF RUGS
 - PORTABLE HEPA AIR SCRUBBERS: AEROCLEAN 2000, AEROSPACE AMERICA OR APPROVED EQUAL. 2000 CFM PEAK AIRFLOW CAPACITY, 12 INCH DIAMETER EXHAUST OUTLET. HEPA FILTERS CERTIFIED TO REMOVE AT LEAST 9.97% OF PARTICULATE IN THE 0.3 MICROMETER SIZE RANGE.
 - HEPA PORTABLE VACUUM: NILFISK OF AMERICA, INC. OR APPROVED EQUAL WITH FILTER INSTALLED.
- EXHAUST HOSES: FEDERAL HOSE MTG. CO. OR APPROVED EQUAL; 12 INCH HEAVY DUTY PVC WIRE-REINFORCED FLEX DUCT.

ARCHITECTURAL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ELEVATION		NORTH ARROW
	DETAIL ENLARGEMENT		COLUMN LINE
			SPOT ELEVATION
	WALL SECTION		ROOM IDENTIFICATION
	BUILDING SECTION		DOOR SYMBOL
	DRAWING #		WINDOW SYMBOL
	View Name	BUILDING ASSEMBLY TYPES	
	SHEET #		WALL AND PARTITION TYPES
	DRAWING TITLE		CURTAIN WALL AND STOREFRONT TYPES
	DETAIL #		ROOF TYPES
	SHEET # WHERE DETAIL IS REFERENCED		FLOOR TYPES
	SHEET # WHERE DETAIL APPEARS		CEILING TYPES
	DETAIL DRAWING TITLE		

ROOM FINISH SCHEDULE - ALTERNATES 2 & 3						
FINISH NOTE	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
GROUND FLOOR						
001	RECEPTION	CPT-1	WB-1	P-2	ACT-2A	
002	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
003	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
004	FILE/ PANTRY	VCT-1	WB-1	P-2	ACT-2B	
005	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
006	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
007	FINGERPRINT ROOM	CPT-1	WB-1	P-2	ACT-2A	
008	TOILET	ETR	ETR	P-1	ACT-2A	
009	STOR.	VCT-1	WB-1	P-2	N/A	
010	BREAKROOM	VCT-1	WB-1	P-2	ACT-2B	
011	AV SUPPORT	VCT-1	WB-1	P-2	CP-1	
012	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
013	CONF D/ TRAINING	CPT-1	WB-1	P-2	ACT-2B	
014	CONF. E	CPT-1	WB-1	P-2	ACT-2B	
C-0.1	CORR	VCT-1	WB-1	P-1	ACT-2A	
C-0.2	CORR.	VCT-1	WB-1	P-1	ACT-2A	
C-0.3	CORR	VCT-1	WB-1	P-1	ACT-2A	
L-0	ELEV LOBBY	VCT-1	WB-1	P-1	ACT-2A	INCLUDE ELEVATOR FLOOR
M-01	MECH	ETR	ETR	ETR	N/A	
M-01A	FA CONTROL RM	ETR	ETR	ETR	N/A	
M-01B	MECH	ETR	ETR	ETR	N/A	
M-03	SPRINKLER CONTROL	ETR	ETR	ETR	N/A	
S-00	EXIT STAIR	VCT-1 / SM-1	WB-1	P-1	CP-1	
T-01	M/ADA TOILET	ETR	ETR	P-1	CP-1	
T-02	W/ADA TOILET	ETR	ETR	P-1	CP-1	
2 FIRST FLOOR						
015	SECURITY	VCT-1	WB-1	P-2	ACT-2B	
101A	HEARING/ CONF A	CPT-1	WB-1	P-2	ACT-2A	
102	STORAGE	VCT-1	WB-1	P-2	ACT-2B	
103A	OPEN OFFICE	* VCT-1 / CPT-1	WB-1	P-2	ACT-2B	* SEE PLANS FOR LOCATION
103B	OFFICE	VCT-1	WB-1	P-2	ACT-2B	
104	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
105	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
106	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
107	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
108	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
109	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
110	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
111	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
112	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
113	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
C-1.1	CORR	VCT-1	WB-1	P-1	ACT-2A	
L-1	ELEV LOBBY	VCT-1	WB-1	P-1	ACT-2A	INCLUDE ELEVATOR FLOOR
S-01	EXIT STAIR	VCT-1 / SM-1	WB-1	P-1	CP-1	
T-1.1	M/ADA TOILET	ETR	ETR	P-1	CP-1	
T-1.2	W/ADA TOILET	ETR	ETR	P-1	CP-1	
3 SECOND FLOOR						
201	OCC HEALTH	* VCT-1 / CPT-1	WB-1	P-2	ACT-2B	* SEE PLANS FOR LOCATION
201A	CONF.-F	CPT-1	WB-1	P-2	ACT-2B	
201B	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
202	CLASSIFICATION COMPENSATION	CPT-1	WB-1	P-2	ACT-2B	
202A	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
203	STORAGE	VCT-1	WB-1	P-2	ACT-2B	
204	OPEN OFFICE	CPT-1	WB-1	P-2	ACT-2B	
204A	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
204AA	CLOS	CPT-1	WB-1	P-2	ACT-2B	
204B	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
205	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
206	PERSONEL RECORDS	CPT-1	WB-1	P-2	ACT-2B	
206B	OPEN OFFICE	CPT-1	WB-1	P-2	ACT-2B	
207	STOR.	VCT-1	WB-1	P-2	ACT-2B	
207A	OFFICE	CPT-1	WB-1	P-2	ACT-2B	
208	ELECT/PHONE	VCT-1	WB-1	P-2	N/A	
209	ATTIC ACCESS	ETR	ETR	P-2	N/A	
C-2	CORR.	VCT-1	WB-1	P-1	ACT-2A	
E-01	ELEV	VCT-1	N/A	N/A	EX	
L-2	ELEV. LOBBY	VCT-1	WB-1	P-1	ACT-2A	INCLUDE ELEVATOR FLOOR
S-02	EXIT STAIR	VCT-1 / SM-1	WB-1	P-1	CP-1	
T-2.1	M/ADA TOILET	ETR	ETR	P-1	CP-1	
T-2.2	W/ADA TOILET	ETR	ETR	P-1	CP-1	
ATTIC						
301	MECH ATTIC	N/A	N/A	N/A	N/A	

FINISH KEY SCHEDULE - ALTERNATE 2 & 3					
FINISH NOTE	FINISH TYPE	MANUFACTURER	PRODUCT	COLOR	COMMENT
CPT-1	CARPET - 24" X 24" TILE	SHAW CONTRACT	GLIMMER TILE, STYLE: 59329	27485 FLASHPOINT	
VCT-1	VINYL COMPOSITION TILE - 12" X 12"	TARKETT	VCT II	522 STEEL WORKS CG	ARMSTRONG S750 ADHESIVE OR AS RECOMMENDED BY VCT MFR.
WB-1	WALL BASE - 4" X 1/8" TH VINYL	TARKETT / JOHNSONITE	TRADITIONAL, 4" COVE WALL BASE	20 CHARCOAL	ARMSTRONG S750 ADHESIVE OR AS RECOMMENDED BY VCT MFR.
P-1	WALL PAINT - CORRIDORS / TOILETS	SHERWIN WILLIAMS	2 COATS INTERIOR ACRYLIC LATEX OVER WHITE LATEX PRIMER	SW 6070 HERON PLUME, SEMI-GLOSS	OR AS DIRECTED BY PMDM
P-2	WALL PAINT - ROOMS / OFFICES	SHERWIN WILLIAMS	2 COATS INTERIOR ACRYLIC LATEX OVER WHITE LATEX PRIMER	SW 6070 HERON PLUME, EGGSHELL	OR AS DIRECTED BY PMDM
P-3	WALL PAINT - ACCENT	SHERWIN WILLIAMS	2 COATS INTERIOR ACRYLIC LATEX OVER WHITE LATEX PRIMER	SW 6348 REYNARD, EGGSHELL	
ACT-2A	ACOUSTIC CEILING TILE & GRID - 24" x 24"	ARMSTRONG / USG	FISSURED 896 SQUARE LAY-IN, FINE TEXTURE, USG DONN 15/16" GRID SYSTEM	WHITE	
ACT-2B	ACOUSTIC CEILING TILE & GRID - 24" x 48"	ARMSTRONG / USG	FISSURED 895 SQUARE LAY-IN, FINE TEXTURE, USG DONN 15/16" GRID SYSTEM	WHITE	
CP-1	CEILING - PAINTED GYPSUM	SHERWIN WILLIAMS	INTERIOR ACRYLIC LATEX, FLAT	CEILING WHITE	
MP-1	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	2 COATS INTERIOR OR EXTERIOR GRADE ALKYD ENAMEL OVER PRIMER	SW 6257 GIBALTAR	INTERIOR WOOD DOORS TO REMAIN AS IS. PAINT ELEVATOR DOOR & FRAME
SM-1	STAIR MANAGEMENT - RUBBER STAIR TREAD WITH INTEGRATED RISER	TARKETT	ANGLE FIT, RUBBER TREAD WITH INTEGRATED RISER FOR THE VISUALLY IMPAIRED, VIRNRDTR	TO BE SELECTED BY AOR/OWNER FROM MFR AVAILABLE COLORS	
T-X	TRANSITION STRIPS	TARKETT / JOHNSONITE	TWO PIECE TRANSITION REDUCER WITH VINYL INSERT STRIPS	20 CHARCOAL	AT AL EXPOSED EDGES OF CARPET WHERE IT MEETS OTHER MATERIALS.

FINISH KEY SCHEDULE - BASE					
FINISH NOTE	FINISH TYPE	MANUFACTURER	COLLECTION	COLOR	COMMENT
WB-X	WALL BASE - 4" VINYL	TARKETT / JOHNSONITE	TRADITIONAL, 4" COVE WALL BASE	black	MATCH EXISTING
P-X	WALL PAINT	SHERWIN WILLIAMS	INTERIOR ACRYLIC LATEX, FLAT	WHITE	MATCH EXISTING
ACT-1A	ACOUSTIC CEILING TILE & GRID - 24" x 24"	ARMSTRONG / USG	MATCH EXISTING SQUARE LAY-IN TILE AND EXIST GRID	WHITE	
ACT-1B	ACOUSTIC CEILING TILE & GRID - 24" x 48"	ARMSTRONG / USG	MATCH EXISTING SQUARE LAY-IN TILE AND EXIST GRID	WHITE	
CP-X	CEILING - PAINTED GYPSUM	SHERWIN WILLIAMS	INTERIOR ACRYLIC LATEX, FLAT	WHITE	MATCH EXISTING

ROOM FINISH SCHEDULE - BASE						
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
GROUND FLOOR						
001	RECEPTION	EX	EX	EX	ACT-1A	
002	OFFICE	EX	EX	EX	ACT-1B	
003	OFFICE	EX	EX	EX	ACT-1B	
004	FILE/ PANTRY	EX	EX	EX	ACT-1B	
005	OFFICE	EX	EX	EX	ACT-1B	
006	OFFICE	EX	EX	EX	ACT-1B	
007	FINGERPRINT ROOM	EX	EX	EX	ACT-1A	
008	TOILET	EX	EX	EX	ACT-1A	
009	STOR.	EX	WB-X	P-X	N/A	WALL FINISHES AT LOCATIONS NOTED ON PLANS
010	BREAKROOM	EX	EX	EX	ACT-1B	
011	AV SUPPORT	EX	EX	EX	CP-X	
012	OFFICE	EX	EX	EX	ACT-1B	
013	CONF D/ TRAINING	EX	EX	EX	ACT-1B	
014	CONF. E	EX	EX	EX	ACT-1B	
C-0.1	CORR	EX	EX	EX	ACT-1A	
C-0.2	CORR.	EX	EX	EX	ACT-1A	
C-0.3	CORR	EX	EX	EX	ACT-1A	
L-0	ELEV LOBBY	EX	WB-X	P-X	ACT-1A	WALL FINISHES AT LOCATIONS NOTED ON PLANS
M-01	MECH	EX	EX	EX	N/A	
M-01A	FA CONTROL RM	EX	EX	EX	N/A	
M-01B	MECH	EX	EX	EX	N/A	
M-03	SPRINKLER CONTROL	EX	EX	EX	N/A	
S-00	EXIT STAIR	EX	EX	EX	EX	
T-01	M/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS
T-02	W/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS

2 FIRST FLOOR						
101A	HEARING/ CONF A	EX	EX	EX	ACT-1A	
102	<varies>	EX	EX	EX	ACT-1B	
103A	OPEN OFFICE	EX	EX	EX	ACT-1B	
103B	OFFICE	EX	EX	EX	ACT-1B	
104	OFFICE	EX	EX	EX	ACT-1B	
105	OFFICE	EX	EX	EX	ACT-1B	
106	OFFICE	EX	EX	EX	ACT-1B	
107	OFFICE	EX	EX	EX	ACT-1B	
108	OFFICE	EX	EX	EX	ACT-1B	
109	OFFICE	EX	EX	EX	ACT-1B	
110	OFFICE	EX	EX	EX	ACT-1B	
111	OFFICE	EX	EX	EX	ACT-1B	
112	OFFICE	EX	EX	EX	ACT-1B	
113	OFFICE	EX	EX	EX	ACT-1B	
C-1.1	CORR	EX	EX	EX	ACT-1A	
L-1	ELEV LOBBY	EX	WB-X	P-X	ACT-1A	WALL FINISHES AT LOCATIONS NOTED ON PLANS
S-01	EXIT STAIR	EX	EX	EX	EX	
T-1.1	M/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS
T-1.2	W/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS

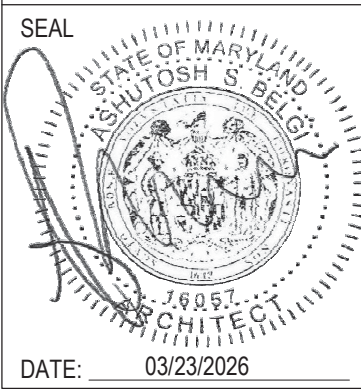
3 SECOND FLOOR						
201	OCC HEALTH	EX	EX	EX	ACT-1B	
201A	CONF.-F	EX	EX	EX	ACT-1B	
201B	OFFICE	EX	EX	EX	ACT-1B	
202	CLASSIFICATION COMPENSATION	EX	EX	EX	ACT-1B	
202A	OFFICE	EX	EX	EX	ACT-1B	
203	STORAGE	EX	EX	EX	ACT-1B	
204	OPEN OFFICE	EX	EX	EX	ACT-1B	
204A	OFFICE	EX	EX	EX	ACT-1B	
204AA	CLOS	EX	EX	EX	ACT-1B	
204B	OFFICE	EX	EX	EX	ACT-1B	
205	OFFICE	EX	EX	EX	ACT-1B	
206	PERSONEL RECORDS	EX	EX	EX	ACT-1B	
206B	OPEN OFFICE	EX	EX	EX	ACT-1B	
207	STOR.	EX	EX	EX	ACT-1B	
207A	OFFICE	EX	EX	EX	ACT-1B	
208	ELECT/PHONE	EX	EX	EX	N/A	
209	ATTIC ACCESS	EX	EX	EX	N/A	
C-2	CORR.	EX	EX	EX	ACT-1A	
L-2	ELEV. LOBBY	EX	WB-X	P-X	ACT-1A	WALL FINISHES AT LOCATIONS NOTED ON PLANS
S-02	EXIT STAIR	EX	EX	EX	EX	
T-2.1	M/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS
T-2.2	W/ADA TOILET	EX	EX	P-X	CP-X	WALL FINISHES AT LOCATIONS NOTED ON PLANS
T-2.3	ELEV	EX	N/A	N/A	EX	

ATTIC						
301	MECH ATTIC	N/A	N/A	N/A	N/A	

COLIMORE
ARCHITECTS

DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
A-2	25133 POO
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 4 OF 61	
DRAWING NUMBER	
2025-2601	
FILE NO.: 8	

SEAL  DATE: 03/23/2026	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.						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE:	APPROVED BY: _____ PROPERTY MANAGER	
	LICENSE NO. 16057 EXPIRATION DATE 02/23/2028		CONTRACT COMPLETION BOX							PROFILE SCALE:	DATE: _____	
	ARCHITECT: ASHUTOSH S. BELGI		DGN BY: RMR	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT		DWN BY: RMR	REVIEWED BY:								
BY: _____		CHKD BY: ASB		DATE REVIEWED:								
DATE: _____												

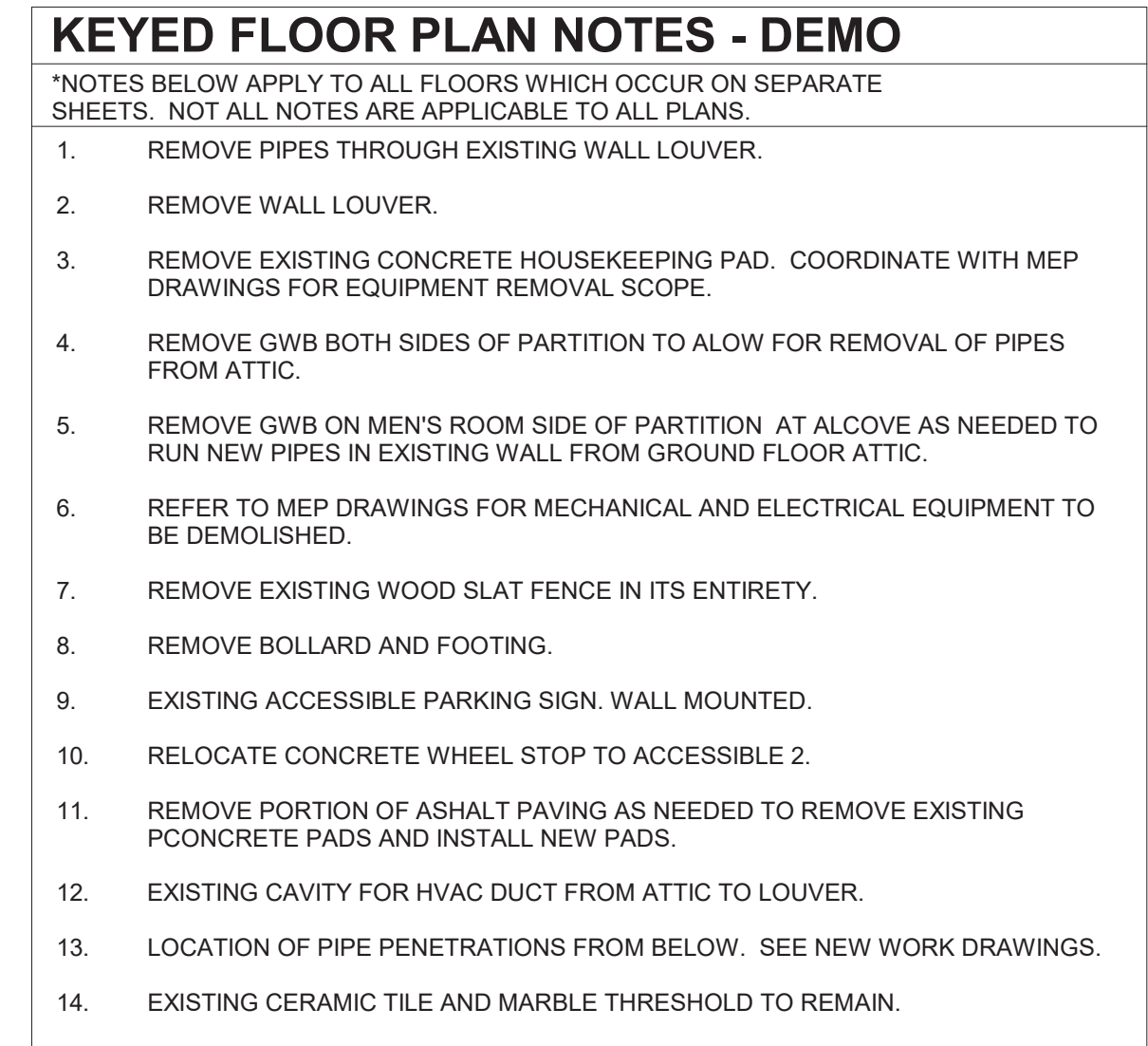
SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SCHEDULES
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



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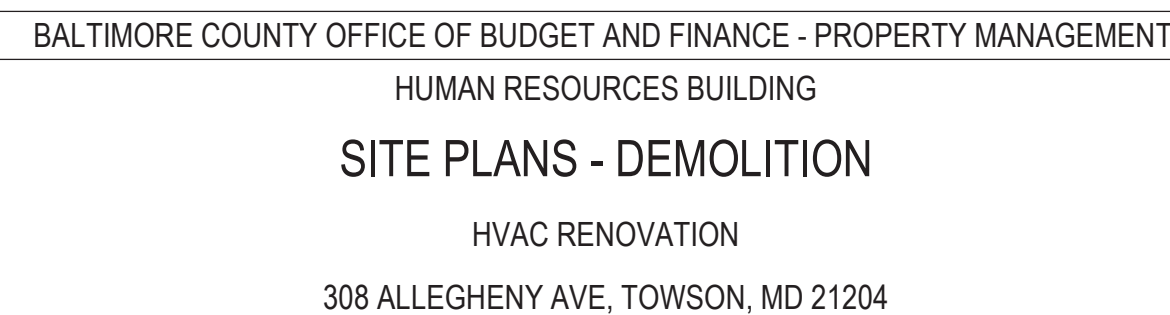
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COLIMORE
ARCHITECTS



SHEET DESIGNATION	CONTRACT NUMBER
A-3	25133 P00
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 5 OF 61
	DRAWING NUMBER
	2025-2602
	FILE NO.: 8

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LEGEND - FLOOR PLAN - DEMO

- T.XX

SHEET KEY NOTES
- INDICATES DEMO WALLS
- INDICATES DEMO WINDOWS
- INDICATES DEMO DOORS AND FRAME
- INDICATES EXISTING WALLS TO REMAIN
- INDICATES EXISTING DOORS AND FRAME TO REMAIN
- EXTENT OF WORK

GENERAL PLAN NOTES - DEMO

- A. WORK WILL OCCUR IN MULTIPLE PHASES AND WITHIN AN OCCUPIED BUILDING. REFER TO MECHANICAL DRAWINGS FOR PHASING INFORMATION.
- B. HAZARDOUS MATERIALS TESTING SHALL BE BY THE OWNER PRIOR TO START OF CONSTRUCTION.
- C. COORDINATE WITH OWNER'S PRESENTATIVE FOR LOCATION OF CONSTRUCTION WASTE CHUTE FOR EACH PHASE.
- D. CONTRACTOR SHALL DEVELOP A DUST CONTAINMENT PLAN AND REVIEW WITH THE OWNER PRIOR TO START OF CONSTRUCTION. PROVIDE DUST CONTROL/CONTAINMENT PER NOTES ON SHEET A-1 AND AS APPROVED BY OWNER.
- E. **ALTERNATE #3:**
REMOVE ALL CARPET AND VCT FLOORING U.N.O. INCLUDING WALL BASE, TRANSITIONS, STAIR RISER/TREAD ACCESSORIES AND ADHESIVES BACK TO A CLEAN SUBSTRATE READY FOR NEW FINISHES.

KEYED FLOOR PLAN NOTES - DEMO

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
1. REMOVE PIPES THROUGH EXISTING WALL LOUVER.
2. REMOVE WALL LOUVER.
3. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. COORDINATE WITH MEP DRAWINGS FOR EQUIPMENT REMOVAL SCOPE.
4. REMOVE GWB BOTH SIDES OF PARTITION TO ALLOW FOR REMOVAL OF PIPES FROM ATTIC.
5. REMOVE GWB ON MEN'S ROOM SIDE OF PARTITION AT ALCOVE AS NEEDED TO RUN NEW PIPES IN EXISTING WALL FROM GROUND FLOOR ATTIC.
6. REFER TO MEP DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT TO BE DEMOLISHED.
7. REMOVE EXISTING WOOD SLAT FENCE IN ITS ENTIRETY.
8. REMOVE BOLLARD AND FOOTING.
9. EXISTING ACCESSIBLE PARKING SIGN. WALL MOUNTED.
10. RELOCATE CONCRETE WHEEL STOP TO ACCESSIBLE 2.
11. REMOVE PORTION OF ASHALT PAVING AS NEEDED TO REMOVE EXISTING POONCRETE PADS AND INSTALL NEW PADS.
12. EXISTING CAVITY FOR HVAC DUCT FROM ATTIC TO LOUVER.
13. LOCATION OF PIPE PENETRATIONS FROM BELOW. SEE NEW WORK DRAWINGS.
14. EXISTING CERAMIC TILE AND MARBLE THRESHOLD TO REMAIN.

LEGEND - CEILING PLAN - DEMO

- T.XX

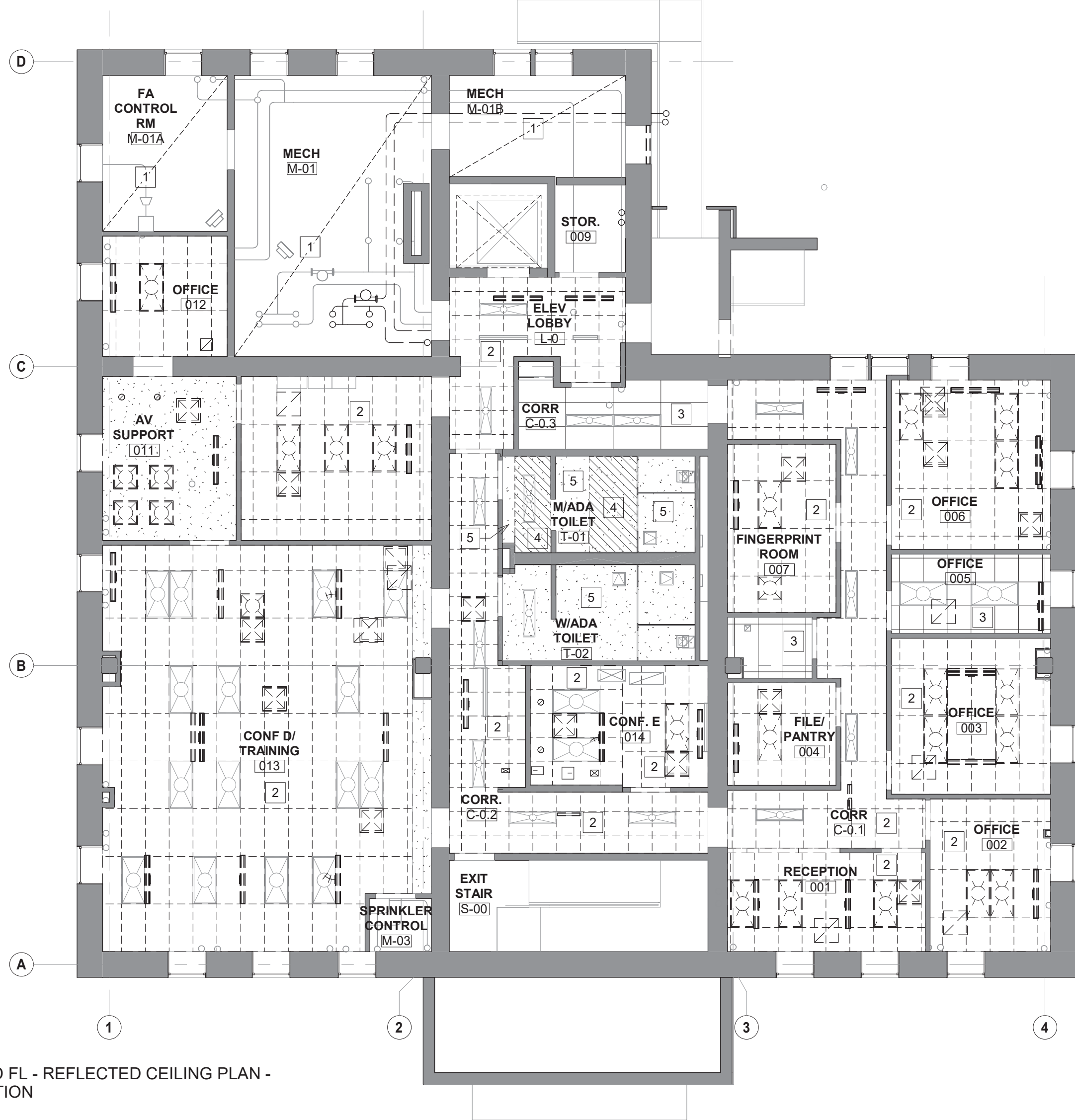
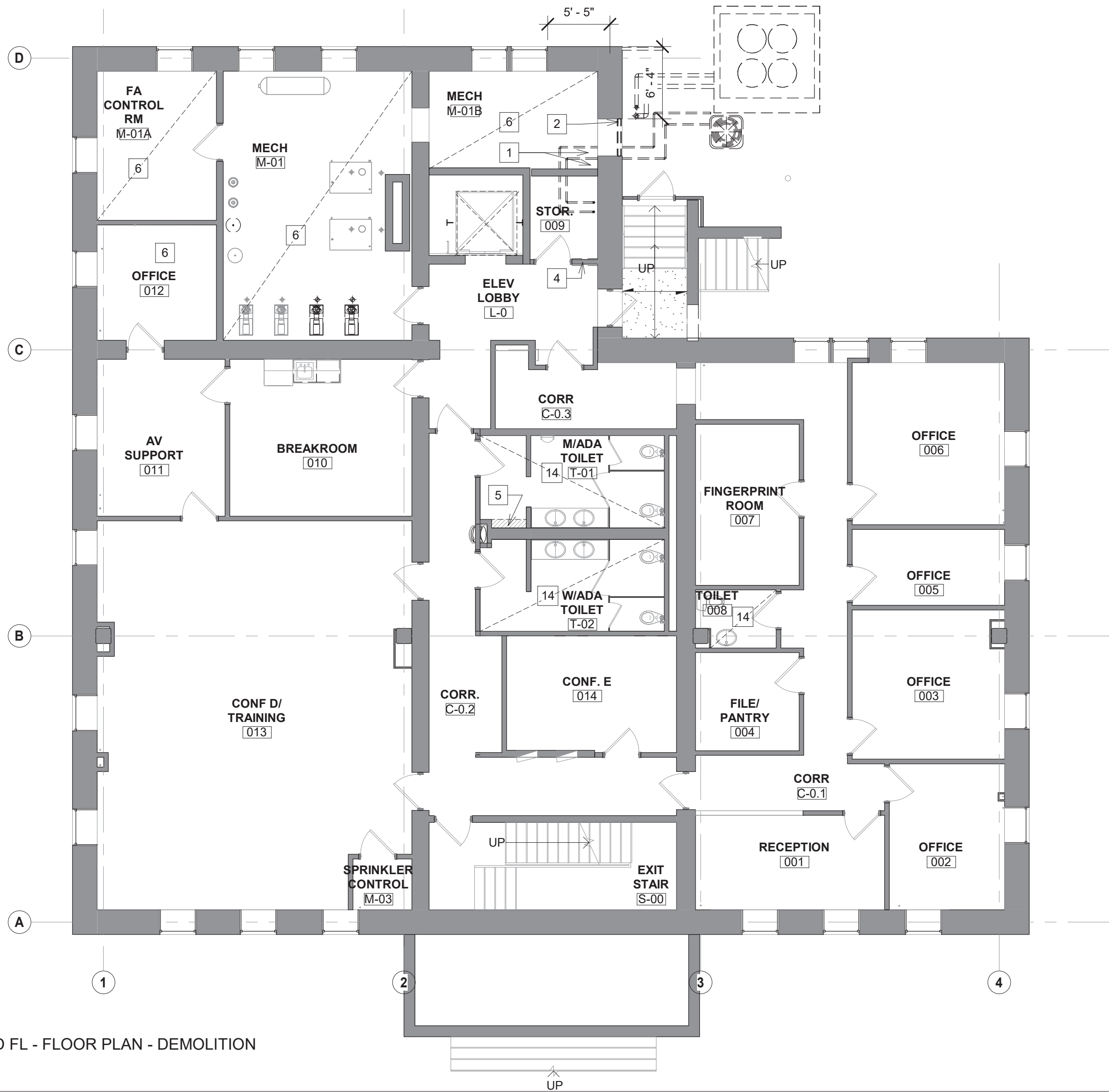
SHEET KEY NOTES
- INDICATES EXISTING CEILING TO BE REMOVED
- INDICATES EXISTING CEILING TO REMAIN

GENERAL CEILING PLAN NOTES - DEMO

- A. WORK PERFORMED UNDER THIS PROJECT WILL BE CONSTRUCTED IN PHASES. REFER TO MECHANICAL DRAWINGS FOR PHASING.
- B. COORDINATE WITH MECHANICAL DRAWINGS FOR ALL LOCATIONS OF DUCTS TO BE REMOVED.
- C. ALL EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE ON ELECT DWGS. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.
- D. REMOVE ALL MECH DIFFUSERS THROUGHOUT BUILDING UNLESS NOTED OTHERWISE ON MECH DWGS. COORD WITH MEP DRAWINGS FOR FULL ABOVE CEILING SCOPE.
- E. COORDINATE WITH NEW WORK DRAWINGS FOR NEW OPENING LOCATIONS AND SIZES. ABANDONED OPENINGS TO BE INFILLED.
- F. HAZARDOUS MATERIALS TESTING SHALL BE BY THE OWNER PRIOR TO START OF CONSTRUCTION.

KEYED CEILING PLAN NOTES - DEMO

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
1. REFER TO MEP DRAWINGS FOR EXTENT OF DEMO WORK IN THE MECHANICAL ROOMS.
2. REMOVE EXISTING ACOUSTIC CEILING TILES & GRID AS NEEDED TO PERFORM ABOVE CEILING WORK. SALVAGE FOR REINSTALLATION. IDENTIFY QUANTITY OF DAMAGED AND/OR STAINED TILES AND NOTIFY OWNER PRIOR TO DEMOLITION.
ALT #1: DEMOLISH & REMOVE EXISTING CEILING.
3. EXISTING ACOUSTIC CEILING GRID TO REMAIN. REMOVE TILES AS NEEDED FOR MINIMAL ABOVE CEILING WORK. COORD WITH MEP DRAWINGS.
4. REMOVE PORTION OF EXISTING GYPSUM CEILING AS NEEDED TO PERFORM ABOVE CEILING MEP WORK.
5. EXISTING GYPSUM CEILING TO REMAIN.
6. EXISTING LIGHT FIXTURES TO REMAIN. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.



COLIMORE
ARCHITECTS

SEAL STATE OF MARYLAND ASHUTOSH S. BELGI ARCHITECT DATE: 03/23/2026	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.						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____	
	LICENSE NO. 16057 EXPIRATION DATE 02/23/2028		CONTRACT COMPLETION BOX								PROPERTY MANAGER	
	ARCHITECT: ASHUTOSH S. BELGI		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT		REVIEWED BY:									

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND FLOOR PLANS - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

DATE: 03/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
A-4	25133 P00
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 6 OF 61 DRAWING NUMBER	
2025-2603	
FILE NO.: 8	



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LEGEND - FLOOR PLAN - DEMO

- ←T.XX

SHEET KEY NOTES

INDICATES DEMO WALLS

=====

INDICATES DEMO WINDOWS

INDICATES DEMO DOORS AND FRAME

=====

INDICATES EXISTING WALLS TO REMAIN

INDICATES EXISTING DOORS AND FRAME TO REMAIN

EXTENT OF WORK

GENERAL PLAN NOTES - DEMO

A. WORK WILL OCCUR IN MULTIPLE PHASES AND WITHIN AN OCCUPIED BUILDING. REFER TO MECHANICAL DRAWINGS FOR PHASING INFORMATION.

B. HAZARDOUS MATERIALS TESTING SHALL BE BY THE OWNER PRIOR TO START OF CONSTRUCTION.

C. COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION OF CONSTRUCTION WASTE CHUTE FOR EACH PHASE.

D. CONTRACTOR SHALL DEVELOP A DUST CONTAINMENT PLAN AND REVIEW WITH THE OWNER PRIOR TO START OF CONSTRUCTION. PROVIDE DUST CONTROL/CONTAINMENT PER NOTES ON SHEET A-1 AND AS APPROVED BY OWNER.

E. **ALTERNATE #3:
REMOVE ALL CARPET AND VCT FLOORING U.N.O. INCLUDING WALL BASE, TRANSITIONS, STAIR RISER/TREAD ACCESSORIES AND ADHESIVES BACK TO A CLEAN SUBSTRATE READY FOR NEW FINISHES.**

KEYED FLOOR PLAN NOTES - DEMO

*NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.

1. REMOVE PIPES THROUGH EXISTING WALL LOUVER.

2. REMOVE WALL LOUVER.

3. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. COORDINATE WITH MEP DRAWINGS FOR EQUIPMENT REMOVAL SCOPE.

4. REMOVE GWB BOTH SIDES OF PARTITION TO ALLOW FOR REMOVAL OF PIPES FROM ATTIC.

5. REMOVE GWB ON MEN'S ROOM SIDE OF PARTITION AT ALCOVE AS NEEDED TO RUN NEW PIPES IN EXISTING WALL FROM GROUND FLOOR ATTIC.

6. REFER TO MEP DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT TO BE DEMOLISHED.

7. REMOVE EXISTING WOOD SLAT FENCE IN ITS ENTIRETY.

8. REMOVE BOLLARD AND FOOTING.

9. EXISTING ACCESSIBLE PARKING SIGN, WALL MOUNTED.

10. RELOCATE CONCRETE WHEEL STOP TO ACCESSIBLE 2.

11. REMOVE PORTION OF ASHALT PAVING AS NEEDED TO REMOVE EXISTING PCONCRETE PADS AND INSTALL NEW PADS.

12. EXISTING CAVITY FOR HVAC DUCT FROM ATTIC TO LOUVER.

13. LOCATION OF PIPE PENETRATIONS FROM BELOW. SEE NEW WORK DRAWINGS.

14. EXISTING CERAMIC TILE AND MARBLE THRESHOLD TO REMAIN.

LEGEND - CEILING PLAN - DEMO

←T.XX

SHEET KEY NOTES

INDICATES EXISTING CEILING TO BE REMOVED

INDICATES EXISTING CEILING TO REMAIN

GENERAL CEILING PLAN NOTES - DEMO

A. WORK PERFORMED UNDER THIS PROJECT WILL BE CONSTRUCTED IN PHASES. REFER TO MECHANICAL DRAWINGS FOR PHASING.

B. COORDINATE WITH MECHANICAL DRAWINGS FOR ALL LOCATIONS OF DUCTS TO BE REMOVED.

C. ALL EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE ON ELECT DWGS. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.

D. REMOVE ALL MECH DIFFUSERS THROUGHOUT BUILDING UNLESS NOTED OTHERWISE ON MECH DWGS. COORD WITH MEP DRAWINGS FOR FULL ABOVE CEILING SCOPE.

E. COORDINATE WITH NEW WORK DRAWINGS FOR NEW OPENING LOCATIONS AND SIZES. ABANDONED OPENINGS TO BE INFILLED.

F. HAZARDOUS MATERIALS TESTING SHALL BE BY THE OWNER PRIOR TO START OF CONSTRUCTION.

KEYED CEILING PLAN NOTES - DEMO

*NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.

1. REFER TO MEP DRAWINGS FOR EXTENT OF DEMO WORK IN THE MECHANICAL ROOMS.

2. REMOVE EXISTING ACOUSTIC CEILING TILES & GRID AS NEEDED TO PERFORM ABOVE CEILING WORK. SALVAGE FOR REINSTALLATION. IDENTIFY QUANTITY OF DAMAGED AND/OR STAINED TILES AND NOTIFY OWNER PRIOR TO DEMOLITION. **ALT #1: DEMOLISH & REMOVE EXISTING CEILING.**

3. EXISTING ACOUSTIC CEILING GRID TO REMAIN. REMOVE TILES AS NEEDED FOR MINIMAL ABOVE CEILING WORK. COORD WITH MEP DRAWINGS.

4. REMOVE PORTION OF EXISTING GYPSUM CEILING AS NEEDED TO PERFORM ABOVE CEILING MEP WORK.

5. EXISTING GYPSUM CEILING TO REMAIN.

6. EXISTING LIGHT FIXTURES TO REMAIN. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.

SEAL DATE: 03/23/2026	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.					R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____	
	LICENSE NO. 16057 EXPIRATION DATE 02/23/2028		CONTRACT COMPLETION BOX							PROPERTY MANAGER	
	ARCHITECT: ASHUTOSH S. BELGI	DGN BY: RMR	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT	DWN BY: RMR	REVIEWED BY:								
	BY: _____	CHKD BY: ASB	DATE REVIEWED:								

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST FLOOR PLANS - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
A-5	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 7 OF 61	DRAWING NUMBER
2025-2604	FILE NO.: 8

ELECTION DIST. NO.: 9c6

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LEGEND - FLOOR PLAN - DEMO

- ← T.XX SHEET KEY NOTES
- INDICATES DEMO WALLS
- INDICATES DEMO WINDOWS
- INDICATES DEMO DOORS AND FRAME
- INDICATES EXISTING WALLS TO REMAIN
- INDICATES EXISTING DOORS AND FRAME TO REMAIN
- EXTENT OF WORK

GENERAL PLAN NOTES - DEMO

- A. WORK WILL OCCUR IN MULTIPLE PHASES AND WITHIN AN OCCUPIED BUILDING. REFER TO MECHANICAL DRAWINGS FOR PHASING INFORMATION.
- B. HAZARDOUS MATERIALS TESTING SHALL BE BY THE OWNER PRIOR TO START OF CONSTRUCTION.
- C. COORDINATE WITH OWNER'S PRESENTATIVE FOR LOCATION OF CONSTRUCTION WASTE CHUTE FOR EACH PHASE.
- D. CONTRACTOR SHALL DEVELOP A DUST CONTAINMENT PLAN AND REVIEW WITH THE OWNER PRIOR TO START OF CONSTRUCTION. PROVIDE DUST CONTROL/CONTAINMENT PER NOTES ON SHEET A-1 AND AS APPROVED BY OWNER.
- E. **ALTERNATE #3:**
REMOVE ALL CARPET AND VCT FLOORING U.N.O. INCLUDING WALL BASE, TRANSITIONS, STAIR RISER/TREAD ACCESSORIES AND ADHESIVES BACK TO A CLEAN SUBSTRATE READY FOR NEW FINISHES.

KEYED FLOOR PLAN NOTES - DEMO

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
- REMOVE PIPES THROUGH EXISTING WALL LOUVER.
 - REMOVE WALL LOUVER.
 - REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. COORDINATE WITH MEP DRAWINGS FOR EQUIPMENT REMOVAL SCOPE.
 - REMOVE GWB BOTH SIDES OF PARTITION TO ALLOW FOR REMOVAL OF PIPES FROM ATTIC.
 - REMOVE GWB ON MEN'S ROOM SIDE OF PARTITION AT ALCOVE AS NEEDED TO RUN NEW PIPES IN EXISTING WALL FROM GROUND FLOOR ATTIC.
 - REFER TO MEP DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT TO BE DEMOLISHED.
 - REMOVE EXISTING WOOD SLAT FENCE IN ITS ENTIRETY.
 - REMOVE BOLLARD AND FOOTING.
 - EXISTING ACCESSIBLE PARKING SIGN. WALL MOUNTED.
 - RELOCATE CONCRETE WHEEL STOP TO ACCESSIBLE 2.
 - REMOVE PORTION OF ASHALT PAVING AS NEEDED TO REMOVE EXISTING PCONCRETE PADS AND INSTALL NEW PADS.
 - EXISTING CAVITY FOR HVAC DUCT FROM ATTIC TO LOUVER.
 - LOCATION OF PIPE PENETRATIONS FROM BELOW. SEE NEW WORK DRAWINGS.
 - EXISTING CERAMIC TILE AND MARBLE THRESHOLD TO REMAIN.

LEGEND - CEILING PLAN - DEMO

- ← T.XX SHEET KEY NOTES
- INDICATES EXISTING CEILING TO BE REMOVED
- INDICATES EXISTING CEILING TO REMAIN

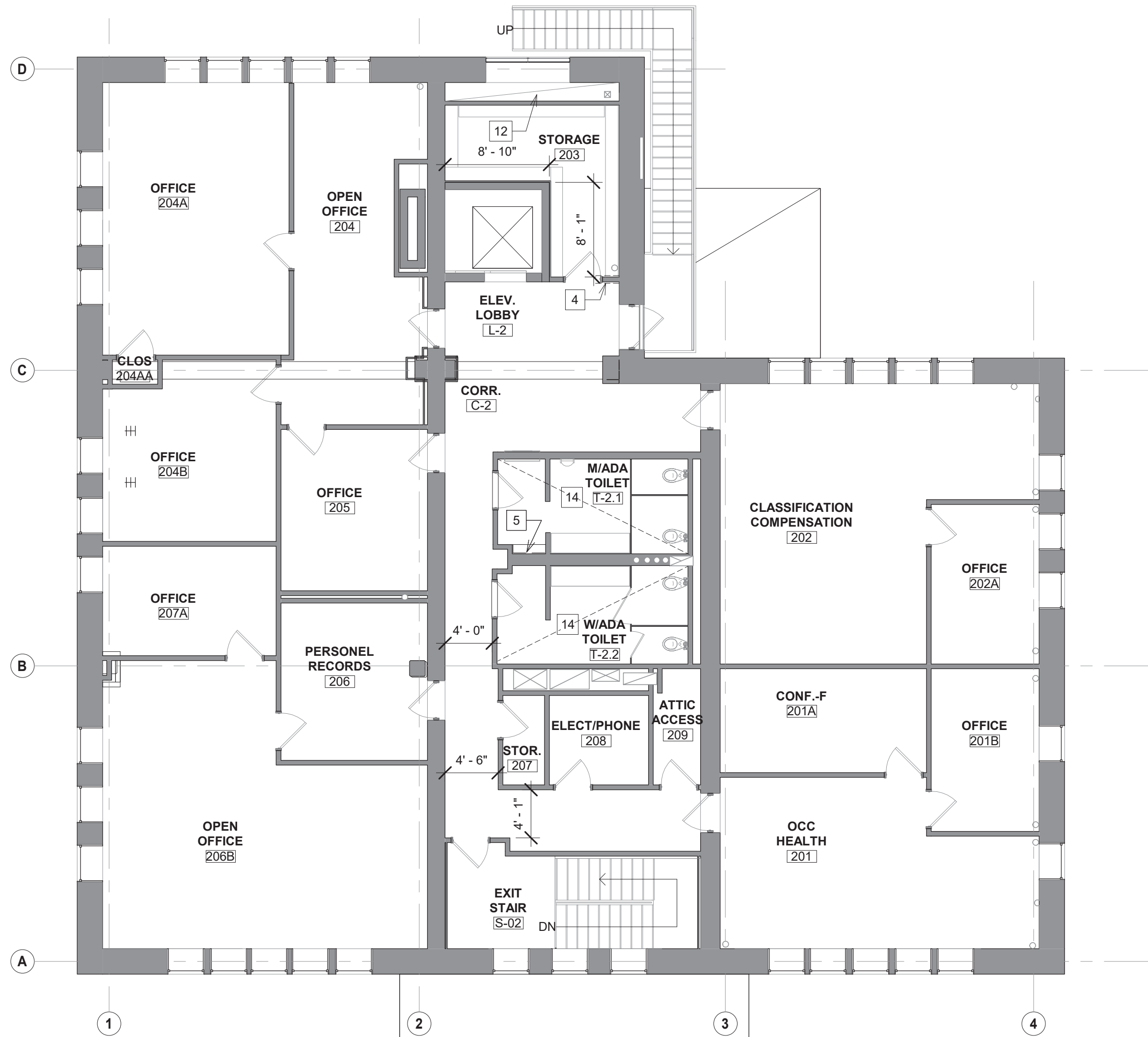
GENERAL CEILING PLAN NOTES - DEMO

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- B. COORDINATE WITH MECHANICAL DRAWINGS FOR ALL LOCATIONS OF DUCTS TO BE REMOVED.
- C. ALL EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE ON ELECT DWGS. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.
- D. REMOVE ALL MECH DIFFUSERS THROUGHOUT BUILDING UNLESS NOTED OTHERWISE ON MECH DWGS. COORD WITH MEP DRAWINGS FOR FULL ABOVE CEILING SCOPE.
- E. COORDINATE WITH NEW WORK DRAWINGS FOR NEW OPENING LOCATIONS AND SIZES. ABANDONED OPENINGS TO BE INFILLED.
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KEYED CEILING PLAN NOTES - DEMO

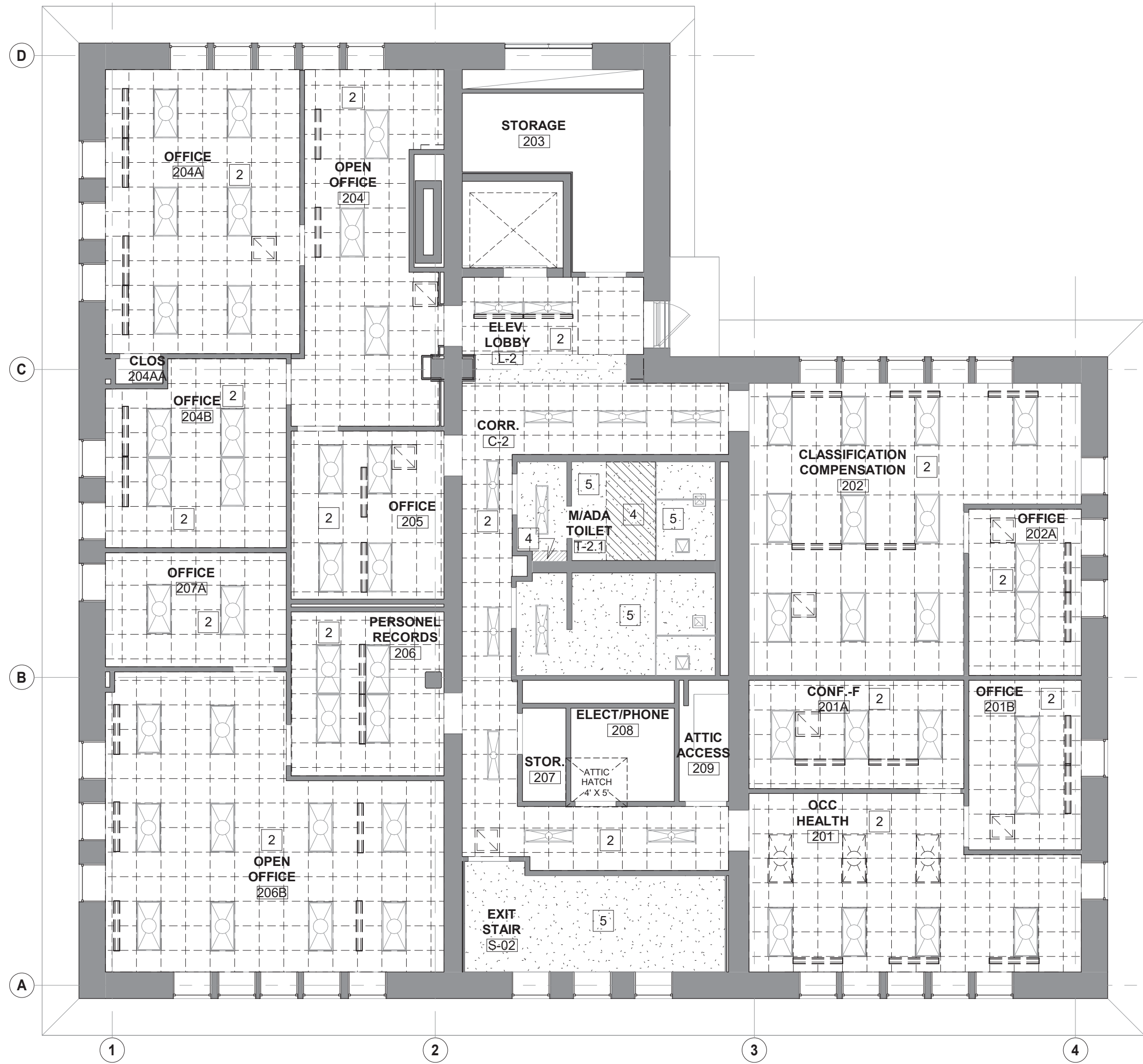
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- REMOVE PORTION OF EXISTING GYPSUM CEILING AS NEEDED TO PERFORM ABOVE CEILING MEP WORK.
- EXISTING GYPSUM CEILING TO REMAIN.
- EXISTING LIGHT FIXTURES TO REMAIN. REMOVE AS NEEDED TO PERFORM WORK AND SALVAGE FOR REINSTALLATION AT SAME LOCATION. NOTIFY OWNER OF ANY NON-WORKING FIXTURES.



1
A-6
1/8" = 1'-0"

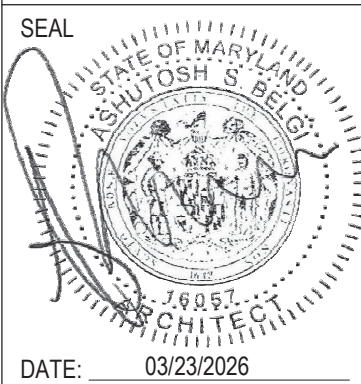
2ND FL - FLOOR PLAN - DEMOLITION



2
A-6
1/8" = 1'-0"

2ND FL - REFLECTED CEILING PLAN - DEMOLITION

COLIMORE
ARCHITECTS

SEAL  DATE: 03/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT	
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	AS-BUILT PER RECORD PRINT		REVIEWED BY:									

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SECOND FLOOR PLANS - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204



DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
A-6	25133 POO
JOB ORDER NUMBER	PROJ-10001055
SHEET 8 OF 61	DRAWING NUMBER
2025-2605	FILE NO.: 8

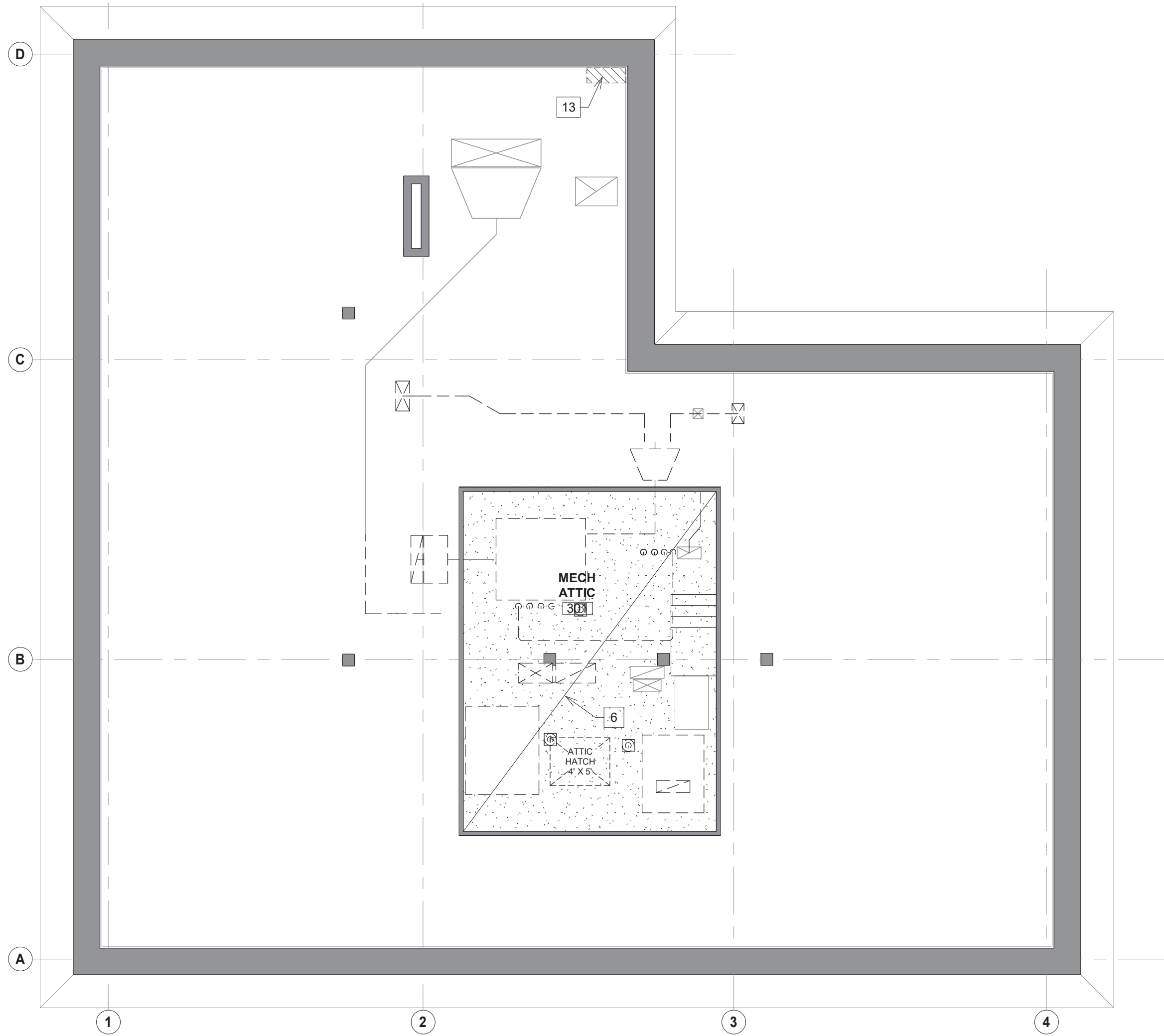


ELECTION DIST. NO.: 9c6

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KEYED FLOOR PLAN NOTES - DEMO

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
1. REMOVE PIPES THROUGH EXISTING WALL LOUVER.
 2. REMOVE WALL LOUVER.
 3. REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. COORDINATE WITH MEP DRAWINGS FOR EQUIPMENT REMOVAL SCOPE.
 4. REMOVE GWB BOTH SIDES OF PARTITION TO ALLOW FOR REMOVAL OF PIPES FROM ATTIC.
 5. REMOVE GWB ON MEN'S ROOM SIDE OF PARTITION. AT ALCOVE AS NEEDED TO RUN NEW PIPES IN EXISTING WALL FROM GROUND FLOOR ATTIC.
 6. REFER TO MEP DRAWINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT TO BE DEMOLISHED.
 7. REMOVE EXISTING WOOD SLAT FENCE IN ITS ENTIRETY.
 8. REMOVE BOLLARD AND FOOTING.
 9. EXISTING ACCESSIBLE PARKING SIGN. WALL MOUNTED.
 10. RELOCATE CONCRETE WHEEL STOP TO ACCESSIBLE 2.
 11. REMOVE PORTION OF ASPHALT PAVING AS NEEDED TO REMOVE EXISTING PCONCRETE PADS AND INSTALL NEW PADS.
 12. EXISTING CAVITY FOR HVAC DUCT FROM ATTIC TO LOUVER.
 13. LOCATION OF PIPE PENETRATIONS FROM BELOW. SEE NEW WORK DRAWINGS.
 14. EXISTING CERAMIC TILE AND MARBLE THRESHOLD TO REMAIN.



1
A-7
1/8" = 1'-0"

ATTIC - FLOOR PLAN - DEMOLITION

COLIMORE
ARCHITECTS

SEAL DATE: 03/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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	AS-BUILT PER RECORD PRINT	DWN BY: RMR	REVIEWED BY:										
	BY: _____	CHKD BY: ASB	DATE REVIEWED:										
	DATE: _____												

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ATTIC PLAN - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

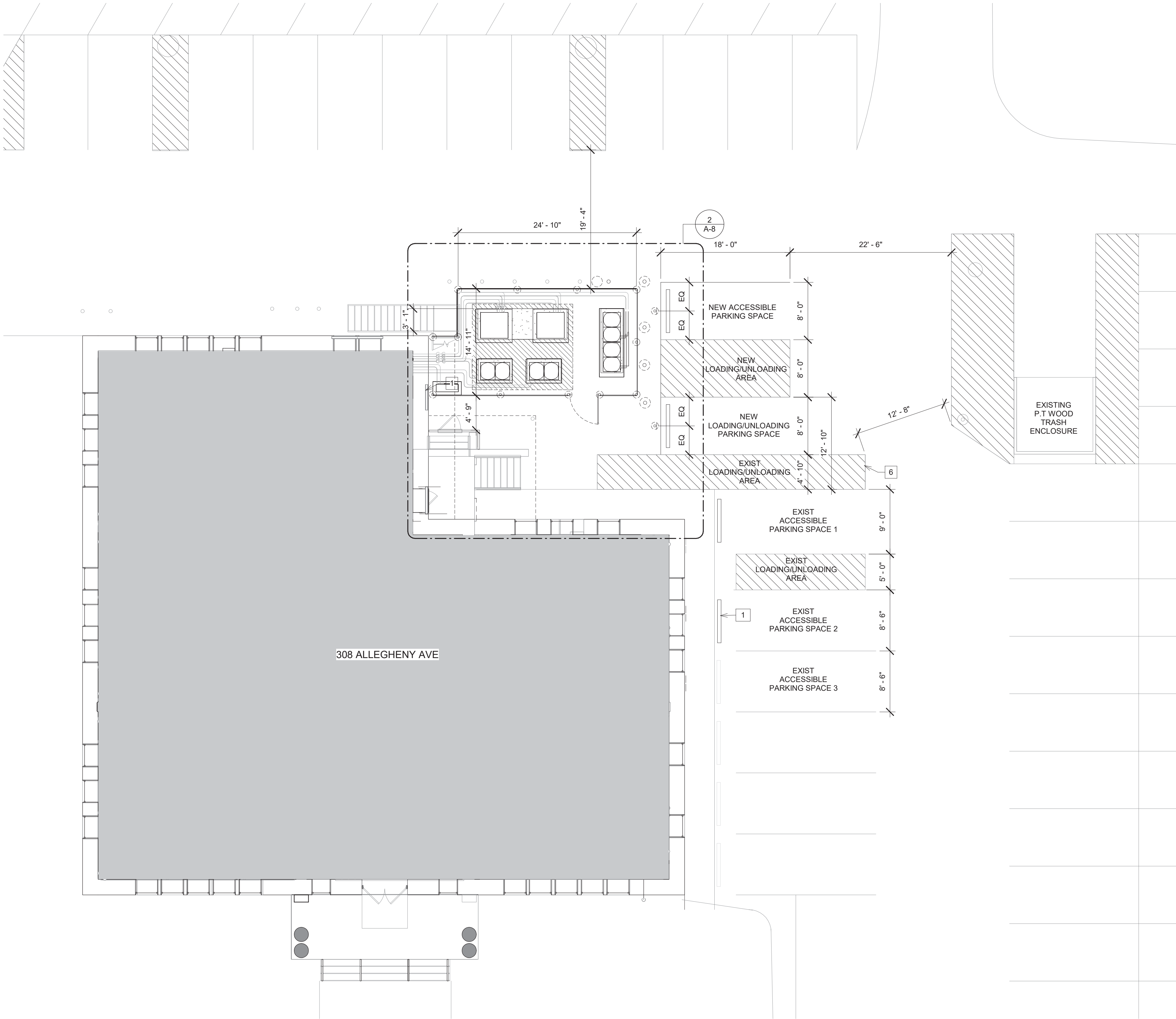


DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
A-7	25133 PO0
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 9 OF 61	
DRAWING NUMBER	
2025-2606	
FILE NO.: 8	

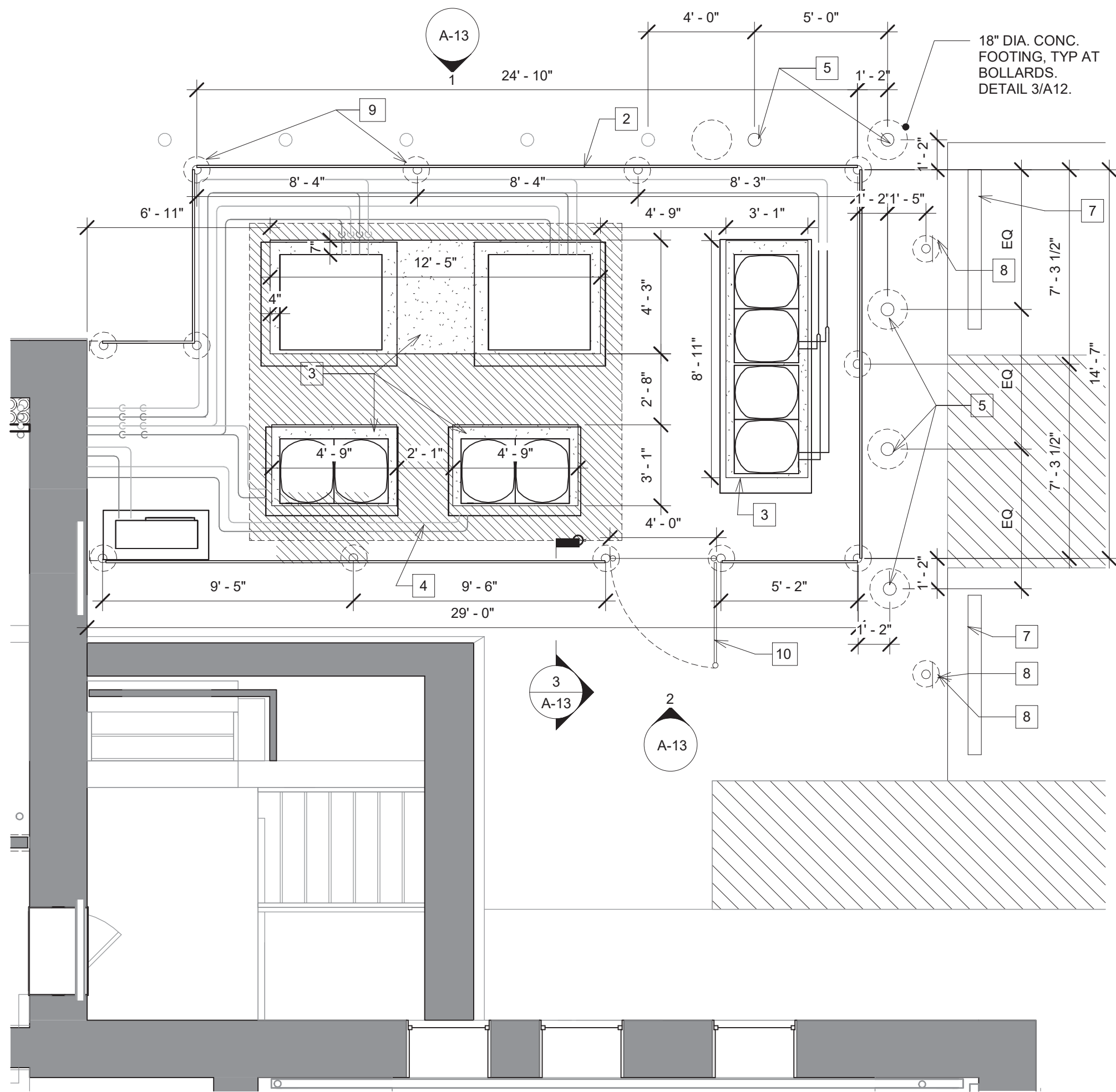


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KEYED PLAN NOTES - SITE - NEW

1. RELOCATED PARKING CURB.
2. 8' CHAINLINK FENCE WITH FULL HEIGHT VERTICAL PRIVACY SLATS. BLACK POSTS AND CHAINLINK, BRICK OR TAN VINYL SLAT INSERTS. TOP, MID AND BOTTOM RAILS.
ALTERNATE #2: 8' VINYL COATED CHAINLINK FENCE WITH FULL HEIGHT VERTICAL VINYL PRIVACY SLATS. COLOR TBD.
3. EQUIPMENT PAD - 12" REINFORCED CONCRETE PAD WITH CHAMFERED TOP EDGE. TOP OF PAD 2" ABOVE GRADE. MIN EQPT PLUS 6", ALL SIDES.
4. INFILL ASPHALT SURFACE TO MATCH EXISTING MATERIALS AND THICKNESS.
5. NEW 6" DIA. STEEL AND CONCRETE BOLLARD WITH 18" DIA. FOOTING. REFER TO DETAIL 4 / A-13.
6. EXPANDED PAVEMENT MARKINGS.
7. PRECAST CONCRETE WHEEL STOP. REFER TO DETAIL 6 / A-13.
8. POLE MOUNTED ACCESSIBLE SIGNAGE, TYP. REFER TO DETAIL 5 / A-13.
9. 12" DIA. CONC. PIER AT CORNER AND LINE POSTS. SIM TO DETAIL 2 / A-12.
10. 4'-0" X 7'-0" LOCKABLE CHAINLINK FENCE GATE.



1
A-8
1/8" = 1'-0"

SITE PLAN

2
A-8
1/4" = 1'-0"

ENLARGED PARTIAL SITE PLAN

COLIMORE
ARCHITECTS

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SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SITE PLAN - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

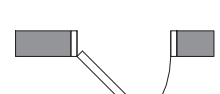
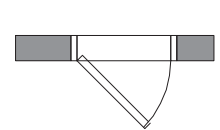


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SHEET DESIGNATION	CONTRACT NUMBER
A-8	25133 PO0
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 10 OF 61 DRAWING NUMBER	
2025-2607	
FILE NO.: 8	

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FLOOR PLAN LEGEND

-  T.XX
- SHEET KEY NOTES
- 
- NEW WALLS
- 
- INDICATES EXISTING WINDOWS TO REMAIN
- 
- INDICATES EXISTING WALLS TO REMAIN
- 
- INDICATES EXISTING DOORS AND FRAME TO REMAIN
- 
- FLOOR FINISH TRANSITION
- 
- EXIST MARBLE TRANSITION AT TOILET ROOM

GENERAL PLAN NOTES - NEW

- A. **ALTERNATE #3: REFER TO ALTERNATE #3 FINISH SCHEDULES SHEET A2 AND NOTES ON FLOOR PLANS.**
- PROVIDE & INSTALL NEW VCT AND CARPET FLOORING THROUGH BUILDING AS SCHEDULED.
 - PROVIDE AND INSTALL RUBBER STAIR TREADS WITH INTEGRATED RISER AT INTERIOR STAIR ALL LEVELS.
 - PAINT ALL WALLS AND GYPSUM CEILINGS.
 - PAINT HM DOOR FRAMES AND ANY HM DOORS.
 - PAINT ELEVATOR DOORS AND FRAMES.

KEYED FLOOR PLAN NOTES - NEW

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
- NEW LOUVER IN EXISTING EXTERIOR WALL. COORDINATE WITH MECH DRAWINGS.
 - COORDINATE WITH MEP DRAWINGS FOR MECHANICAL ROOM SCOPE.
 - PROVIDE 5/8" GWB TO PARTITION STUDS WHERE GWB REMOVED FOR PLUMBING DEMO.
 - NEW PARTITION - 5/8" TYPE X GWB OVER 3 5/8" METAL STUDS @ 16" O.C. MAX. UP TO UNDERSIDE OF FLOOR ABOVE.
 - FIRE CAULK AROUND ALL PIPE PENETRATIONS THROUGH FLOOR.
 - NEW HVAC EQUIPMENT ON ENLARGED HOUSEKEEPING PAD. COORD WITH MECH, STRUCT.
 - INFILL ALL ABANDIONED OPENING THROUGH ATTIC FLOOR, MATCH ADJACENT CONSTRUCTION. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
 - INFILL ALL ABANDIONED OPENING THROUGH ATTIC MECH ROOM WALLS. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
 - NEW PIPES RUN FROM OUTDOOR UNIT TO ATTIC, PENETRATING EXTERIOR WALL ABOVE GROUND FLOOR CEILING. SEAL AROUND ALL PENETRATIONS THROUGH FLOORS.
 - PROVIDE OPENING IN MASONRY WALL FOR PIPES. COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. MINIMIZE OPENING. WEATHER SEAL AROUND PIPES.
 - STORAGE 102- COORDINATE NEW SHELF LOCATION WITH OWNER'S REP.
 - STORAGE 203- REMOVE SHELVEING AND GWB AS NEEDED TO RUN PIPES FROM FIRST FLOOR TO ATTIC. PATCH GWB, SAND AND PAINT WALL. BEFORE REINSTALLING SHELVEING.

CEILING LEGEND

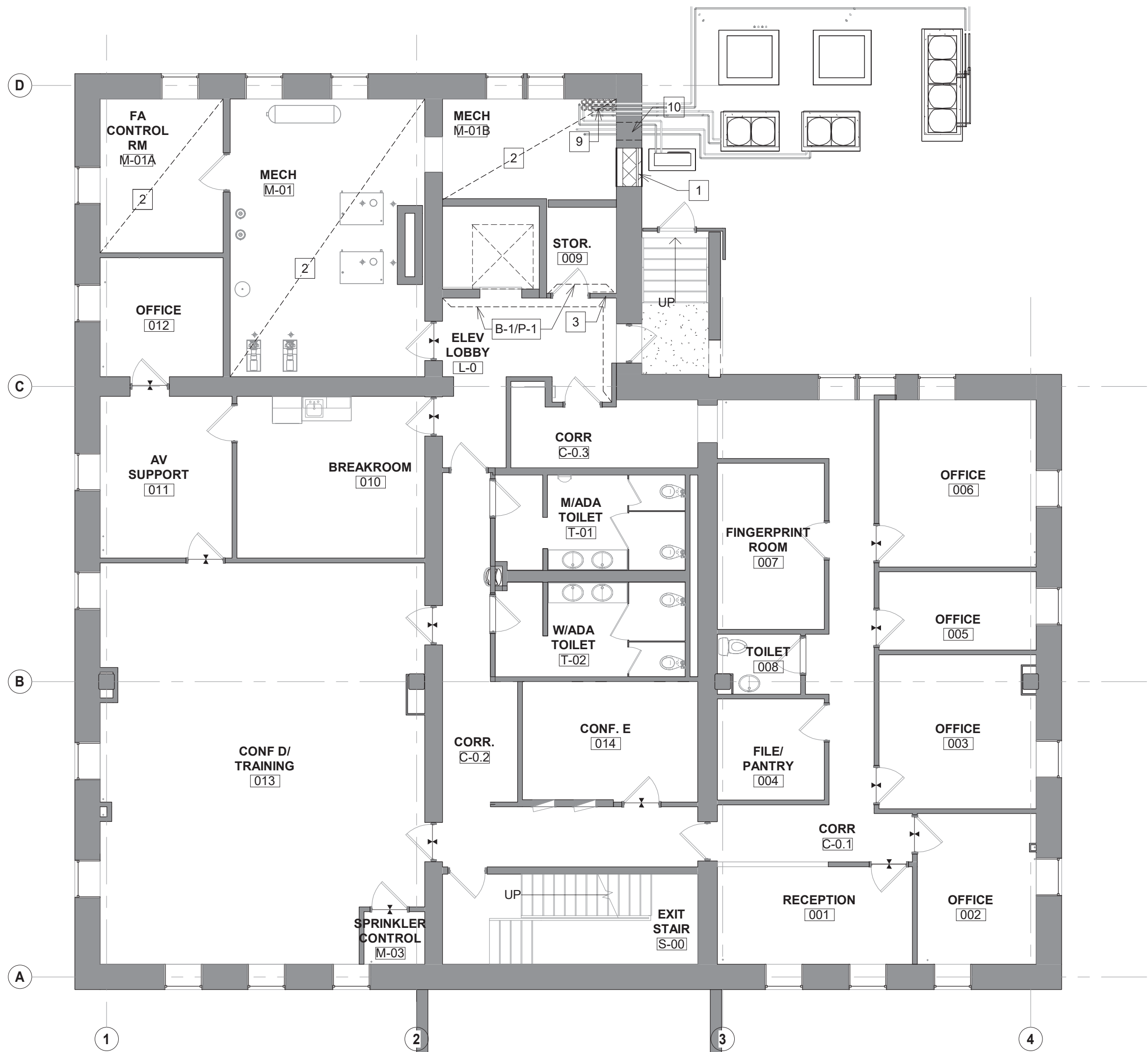
-  C1 - 2'-0"x 2'-0" LAY-IN OR REGULAR ACOUSTICAL CEILING SYSTEM
-  C2- 5/8" GYPSUM BOARD CEILING ON METAL STUD (PROVIDE WATER RESISTANT 5/8" GYPSUM BOARD IN BATHROOM/SHOWER AREAS)
-  24"x24" RECESSED LED TROFFER
-  24"x48" RECESSED LED TROFFER
-  6" RECESSED LIGHT FIXTURE
-  RECESSED LIGHT FIXTURE
-  MECHANICAL DEVICES - SEE MECHANICAL DRAWINGS
-  EXIT LIGHT

GENERAL CEILING PLAN NOTES - NEW

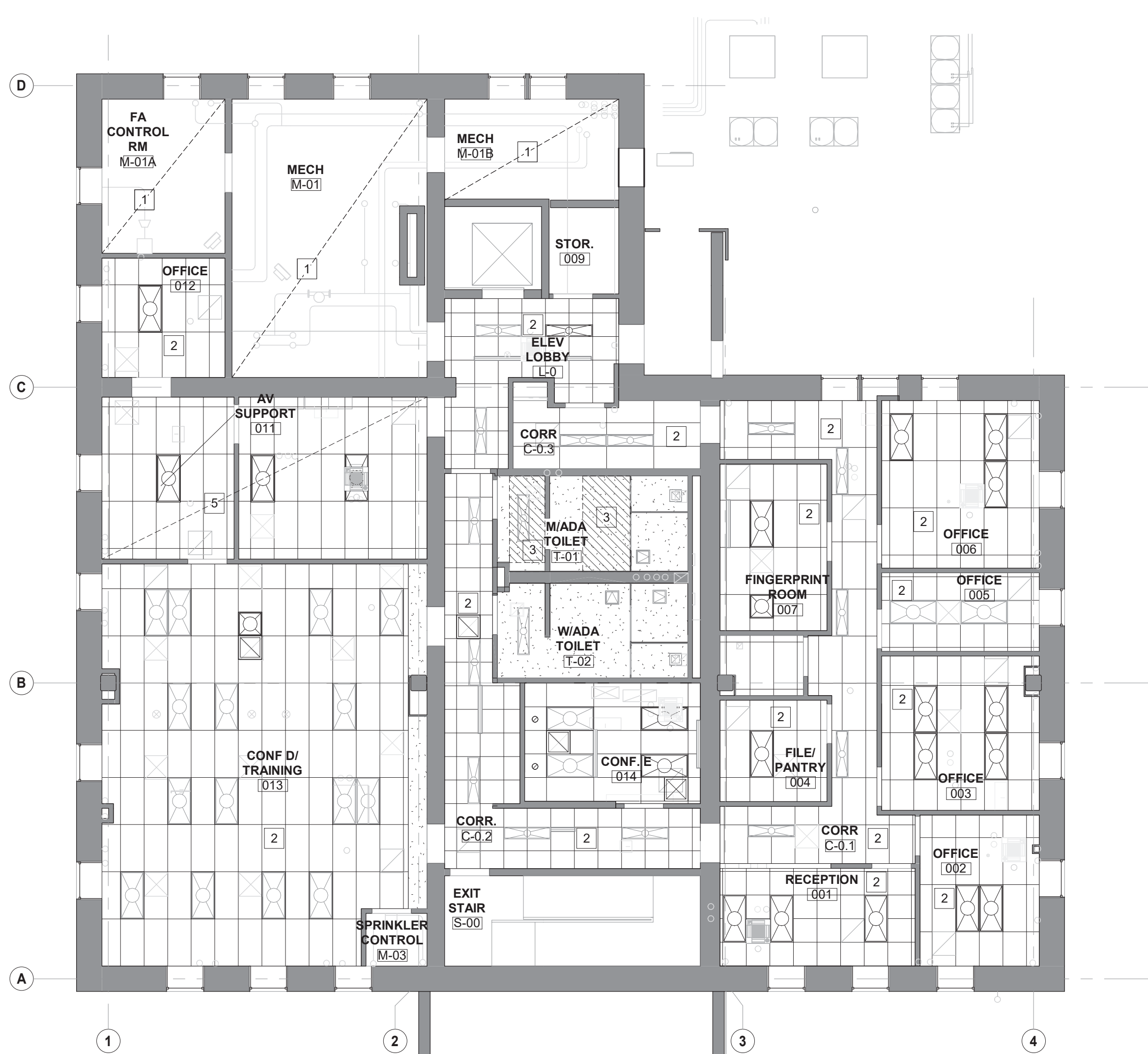
- A. REINSTALL ALL SALVAGED LIGHT FIXTURES AT PREVIOUS FIXTURE LOCATION UNLESS NOTED OTHERWISE. COORD WITH ELECT DWGS.
- B. MECH DIFFUSERS THROUGHOUT THE BUILDING ARE NEW UNLESS NOTED OTHERWISE. COORD WITH MECH DWGS.

KEYED CEILING PLAN NOTES - NEW

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
- REFER TO MEP DRAWINGS FOR EXTENT OF NEW WORK IN THE MECHANICAL ROOMS.
 - REINSTALL SALVAGED ACOUSTIC CEILING TILES & GRID. REPLACE DAMAGED AND/OR STAINED TILES. ACT-1A OR ACT-1B
- ALTERNATE #1: PROVIDE NEW ACOUSTIC CEILING**
- 5/8" GYPSUM BOARD OVER EXISTING CEILING FRAMING. PROVIDE A SEAMLED LEVEL TRANSITION. PAINT AS SCHEDULED. CP-1.
 - REINSTALL ACOUSTIC CEILING TILES.
 - NEW ACT CEILING GRID AND TILES.



1
A-9
GROUND FL - FLOOR PLAN
1/8" = 1'-0"



2
A-9
GROUND FL - REFLECTED CEILING PLAN
1/8" = 1'-0"

COLIMORE
ARCHITECTS

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BY:	DATE:	CHKD BY:	DATE REVIEWED:
		ASB	

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
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GROUND FLOOR PLANS - NEW WORK
HVAC RENOVATION
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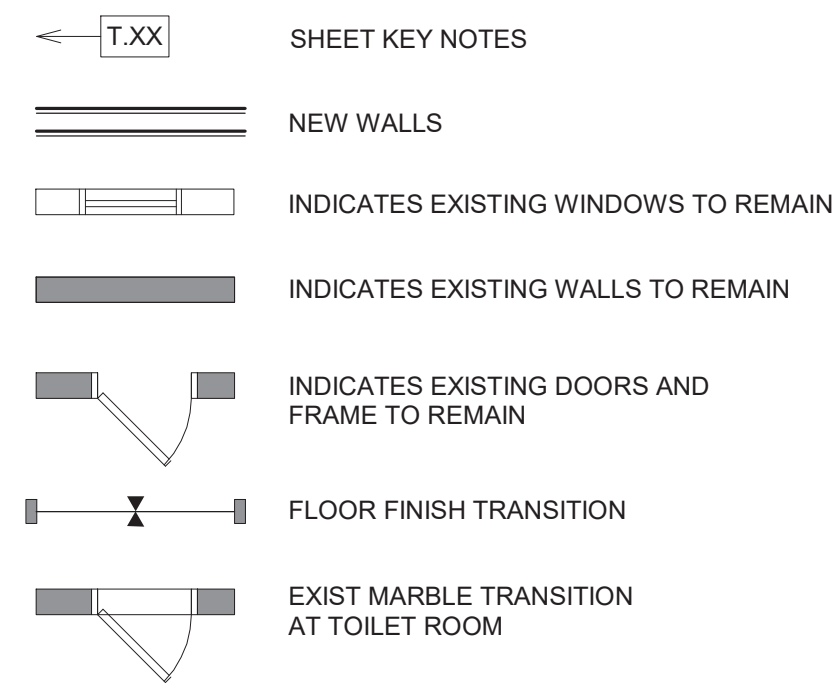
ELECTION DIST. NO.: 9c6

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SHEET DESIGNATION	CONTRACT NUMBER
A-9	25133 POO
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 11 OF 61 DRAWING NUMBER	
2025-2608	
FILE NO.: 8	



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FLOOR PLAN LEGEND



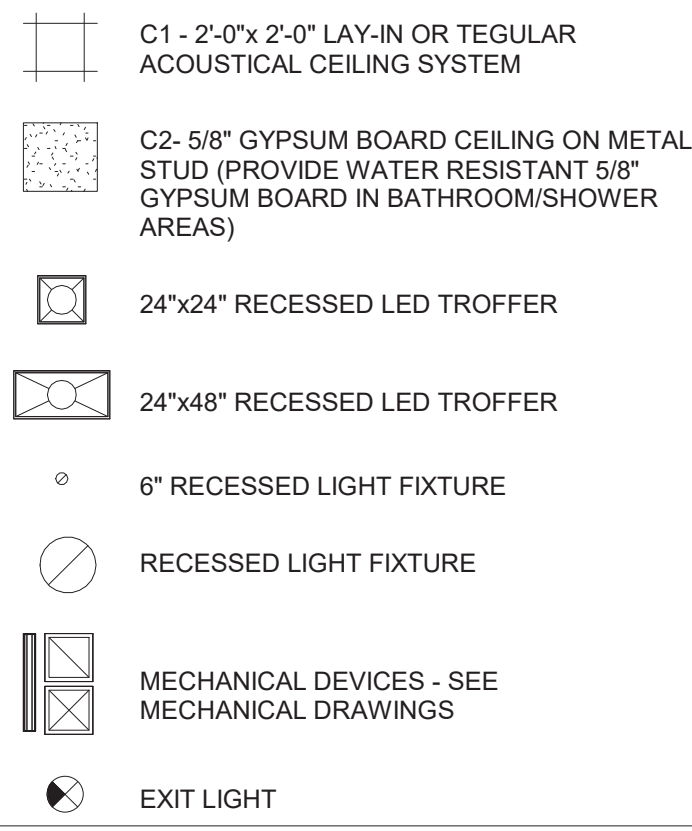
GENERAL PLAN NOTES - NEW

- A. **ALTERNATE #3: REFER TO ALTERNATE #3 FINISH SCHEDULES SHEET A2 AND NOTES ON FLOOR PLANS.**
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 - PAIN ALL WALLS AND GYPSUM CEILINGS.
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 - PAINT ELEVATOR DOORS AND FRAMES.

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- NEW LOUVER IN EXISTING EXTERIOR WALL. COORDINATE WITH MECH DRAWINGS.
 - COORDINATE WITH MEP DRAWINGS FOR MECHANICAL ROOM SCOPE.
 - PROVIDE 5/8" GWB TO PARTITION STUDS WHERE GWB REMOVED FOR PLUMBING DEMO.
 - NEW PARTITION - 5/8" TYPE X GWB OVER 3 5/8" METAL STUDS @ 16" O.C. MAX. UP TO UNDERSIDE OF FLOOR ABOVE.
 - FIRE CAULK AROUND ALL PIPE PENETRATIONS THROUGH FLOOR.
 - NEW HVAC EQUIPMENT ON ENLARGED HOUSEKEEPING PAD. COORD WITH MECH, STRUCT.
 - INFILL ALL ABANDONED OPENING THROUGH ATTIC FLOOR. MATCH ADJACENT CONSTRUCTION. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
 - INFILL ALL ABANDONED OPENING THROUGH ATTIC MECH ROOM WALLS. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
 - NEW PIPES RUN FROM OUTDOOR UNIT TO ATTIC. PENETRATING EXTERIOR WALL ABOVE GROUND FLOOR CEILING. SEAL AROUND ALL PENETRATIONS THROUGH FLOORS.
 - PROVIDE OPENING IN MASONRY WALL FOR PIPES. COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. MINIMIZE OPENING. WEATHER SEAL AROUND PIPES.
 - STORAGE 102- COORDINATE NEW SHELF LOCATION WITH OWNER'S REP.
 - STORAGE 203- REMOVE SHELVING AND GWB AS NEEDED TO RUN PIPES FROM FIRST FLOOR TO ATTIC. PATCH GWB, SAND AND PAINT WALL. BEFORE REINSTALLING SHELVING.

CEILING LEGEND



GENERAL CEILING PLAN NOTES - NEW

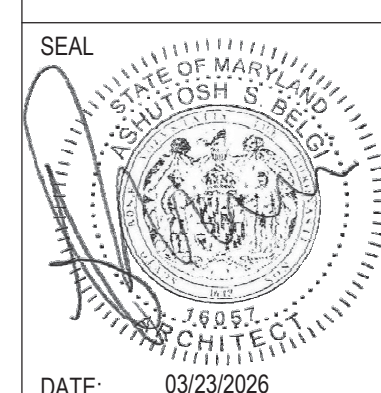
- A. REINSTALL ALL SALVAGED LIGHT FIXTURES AT PREVIOUS FIXTURE LOCATION UNLESS NOTED OTHERWISE. COORD WITH ELECT DWGS.
- B. MECH DIFFUSERS THROUGHOUT THE BUILDING ARE NEW UNLESS NOTED OTHERWISE. COORD WITH MECH DWGS.

KEYED CEILING PLAN NOTES - NEW

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
- REFER TO MEP DRAWINGS FOR EXTENT OF NEW WORK IN THE MECHANICAL ROOMS.
 - REINSTALL SALVAGED ACOUSTIC CEILING TILES & GRID. REPLACE DAMAGED AND/OR STAINED TILES. ACT-1A OR ACT-1B
- ALTERNATE #1: PROVIDE NEW ACOUSTIC CEILING**
- 5/8" GYPSUM BOARD OVER EXISTING CEILING FRAMING. PROVIDE A SEAMLED LEVEL TRANSITION. PAINT AS SCHEDULED. CP-1.
 - REINSTALL ACOUSTIC CEILING TILES.
 - NEW ACT CEILING GRID AND TILES.

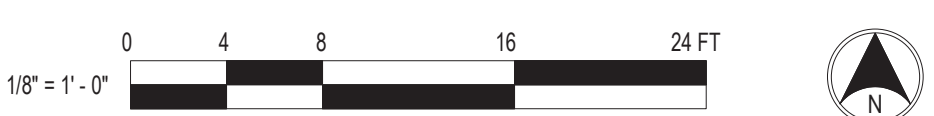


COLIMORE
ARCHITECTS

SEAL  DATE: 03/23/2026	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.					R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____	
	ARCHITECT: ASHUTOSH S. BELGI		CONTRACT COMPLETION BOX							PROPERTY MANAGER	
	DGN BY: RMR		BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT		REVIEWED BY:								

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST FLOOR PLANS - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204



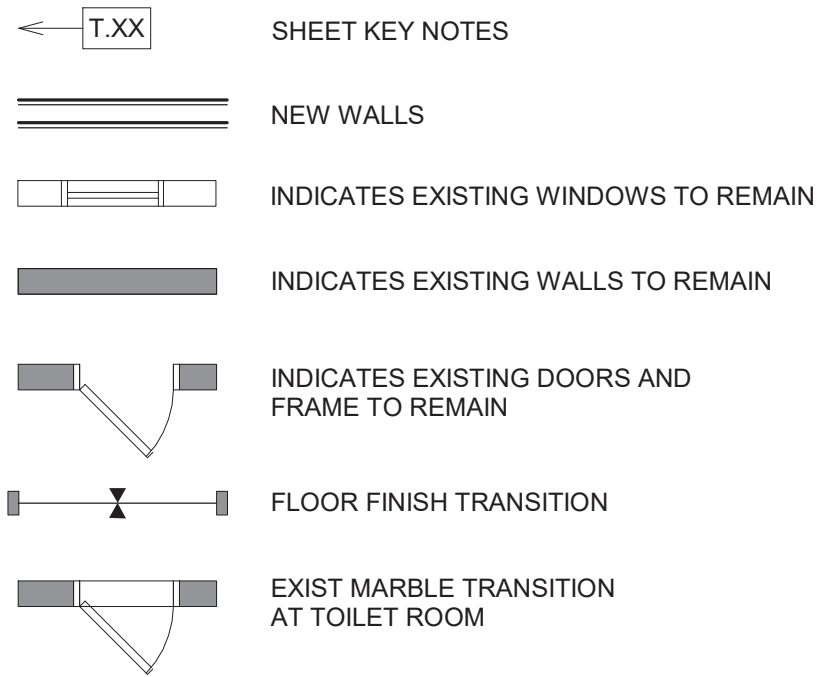
DATE: 03/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
A-10	25133 POO
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 12 OF 61 DRAWING NUMBER	
2025-2609	
FILE NO.: 8	



ELECTION DIST. NO.: 9c6

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FLOOR PLAN LEGEND



GENERAL PLAN NOTES - NEW

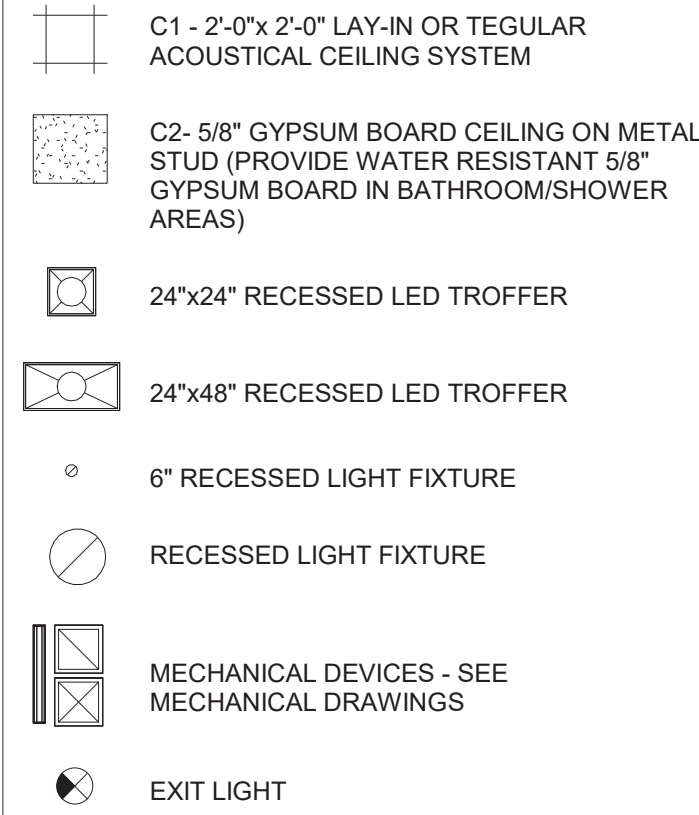
- A. **ALTERNATE #3: REFER TO ALTERNATE #3 FINISH SCHEDULES SHEET A2 AND NOTES ON FLOOR PLANS.**
- PROVIDE & INSTALL NEW VCT AND CARPET FLOORING THROUGHOUT BUILDING AS SCHEDULED.
 - PROVIDE AND INSTALL RUBBER STAIR TREADS WITH INTEGRATED RISER AT INTERIOR STAIR ALL LEVELS.
 - PAINT ALL WALLS AND GYPSUM CEILINGS.
 - PAINT HM DOOR FRAMES AND ANY HM DOORS.
 - PAINT ELEVATOR DOORS AND FRAMES.



KEYED FLOOR PLAN NOTES - NEW

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
- NEW LOUVER IN EXISTING EXTERIOR WALL. COORDINATE WITH MECH DRAWINGS.
 - COORDINATE WITH MEP DRAWINGS FOR MECHANICAL ROOM SCOPE.
 - PROVIDE 5/8" GWB TO PARTITION STUDS WHERE GWB REMOVED FOR PLUMBING DEMO.
 - NEW PARTITION - 5/8" TYPE X GWB OVER 3 5/8" METAL STUDS @ 16" O.C. MAX. UP TO UNDERSIDE OF FLOOR ABOVE.
 - FIRE CAULK AROUND ALL PIPE PENETRATIONS THROUGH FLOOR.
 - NEW HVAC EQUIPMENT ON ENLARGED HOUSEKEEPING PAD. COORD WITH MECH, STRUCT.
 - INFILL ALL ABANDONED OPENING THROUGH ATTIC FLOOR. MATCH ADJACENT CONSTRUCTION. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
 - INFILL ALL ABANDONED OPENING THROUGH ATTIC MECH ROOM WALLS. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
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 - STORAGE 102- COORDINATE NEW SHELF LOCATION WITH OWNER'S REP.
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CEILING LEGEND

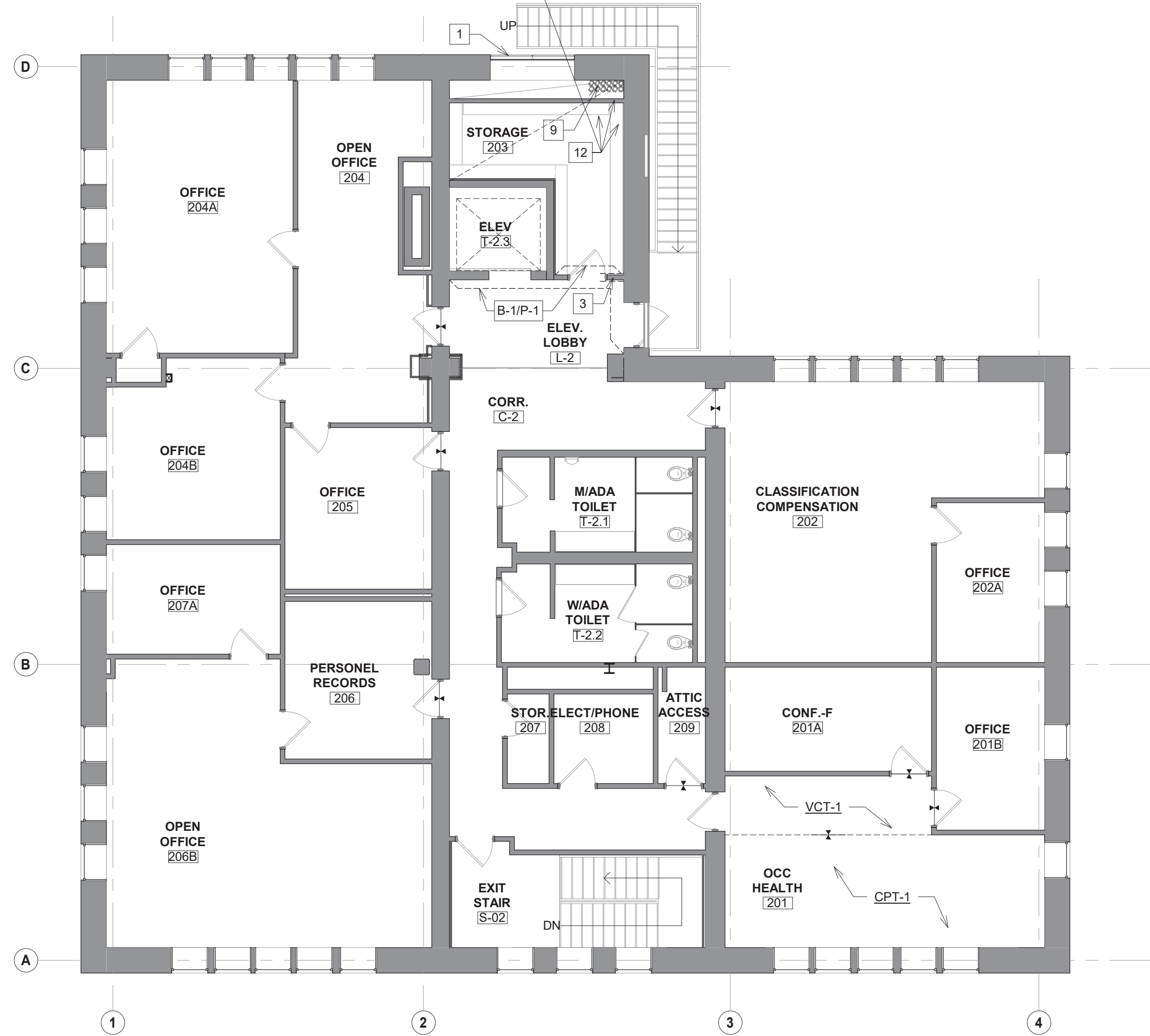


GENERAL CEILING PLAN NOTES - NEW

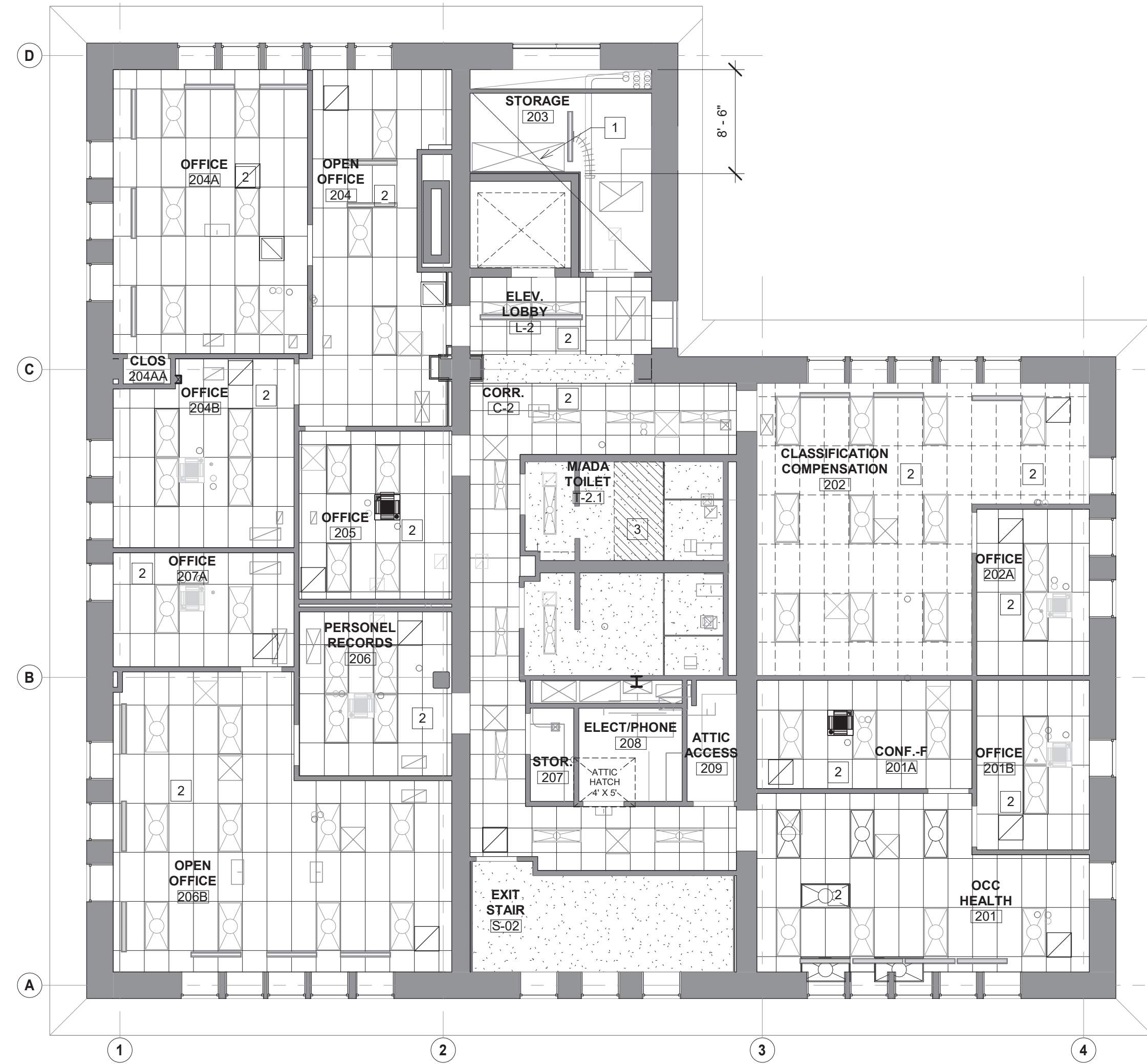
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KEYED CEILING PLAN NOTES - NEW

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 - NEW ACT CEILING GRID AND TILES.



1
A-11
1/8" = 1'-0"



2
A-11
1/8" = 1'-0"

COLIMORE
ARCHITECTS

SEAL STATE OF MARYLAND ASHUTOSH S. BELGI ARCHITECT DATE: 03/23/2026	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. 16057 EXPIRATION DATE 02/23/2028		CONTRACT COMPLETION BOX								PROPERTY MANAGER	
	ARCHITECT: ASHUTOSH S. BELGI	DGN BY: RMR	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS-BUILT PER RECORD PRINT	DWN BY: RMR	REVIEWED BY:									
	BY: _____ DATE: _____	CHKD BY: ASB	DATE REVIEWED:									

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SECOND FLOOR PLANS - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

DATE: 03/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION A-11	CONTRACT NUMBER 25133 POO
JOB ORDER NUMBER PROJ-10001055	
SHEET 13 OF 61 DRAWING NUMBER 2025-2610	
FILE NO.: 8	



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FLOOR PLAN LEGEND

- T.XX

SHEET KEY NOTES
- NEW WALLS
- INDICATES EXISTING WINDOWS TO REMAIN
- INDICATES EXISTING WALLS TO REMAIN
- INDICATES EXISTING DOORS AND FRAME TO REMAIN
- FLOOR FINISH TRANSITION
- EXIST MARBLE TRANSITION AT TOILET ROOM

KEYED FLOOR PLAN NOTES - NEW

- *NOTES BELOW APPLY TO ALL FLOORS WHICH OCCUR ON SEPARATE SHEETS. NOT ALL NOTES ARE APPLICABLE TO ALL PLANS.
1.

NEW LOUVER IN EXISTING EXTERIOR WALL. COORDINATE WITH MECH DRAWINGS.
2.

COORDINATE WITH MEP DRAWINGS FOR MECHANICAL ROOM SCOPE.
3.

PROVIDE 5/8" GWB TO PARTITION STUDS WHERE GWB REMOVED FOR PLUMBING DEMO.
4.

NEW PARTITION - 5/8" TYPE X GWB OVER 3 5/8" METAL STUDS @ 16" O.C. MAX. UP TO UNDERSIDE OF FLOOR ABOVE.
5.

FIRE CAULK AROUND ALL PIPE PENETRATIONS THROUGH FLOOR.
6.

NEW HVAC EQUIPMENT ON ENLARGED HOUSEKEEPING PAD. COORD WITH MECH, STRUCT.
7.

INFILL ALL ABANDIONED OPENING THROUGH ATTIC FLOOR, MATCH ADJACENT CONSTRUCTION. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
8.

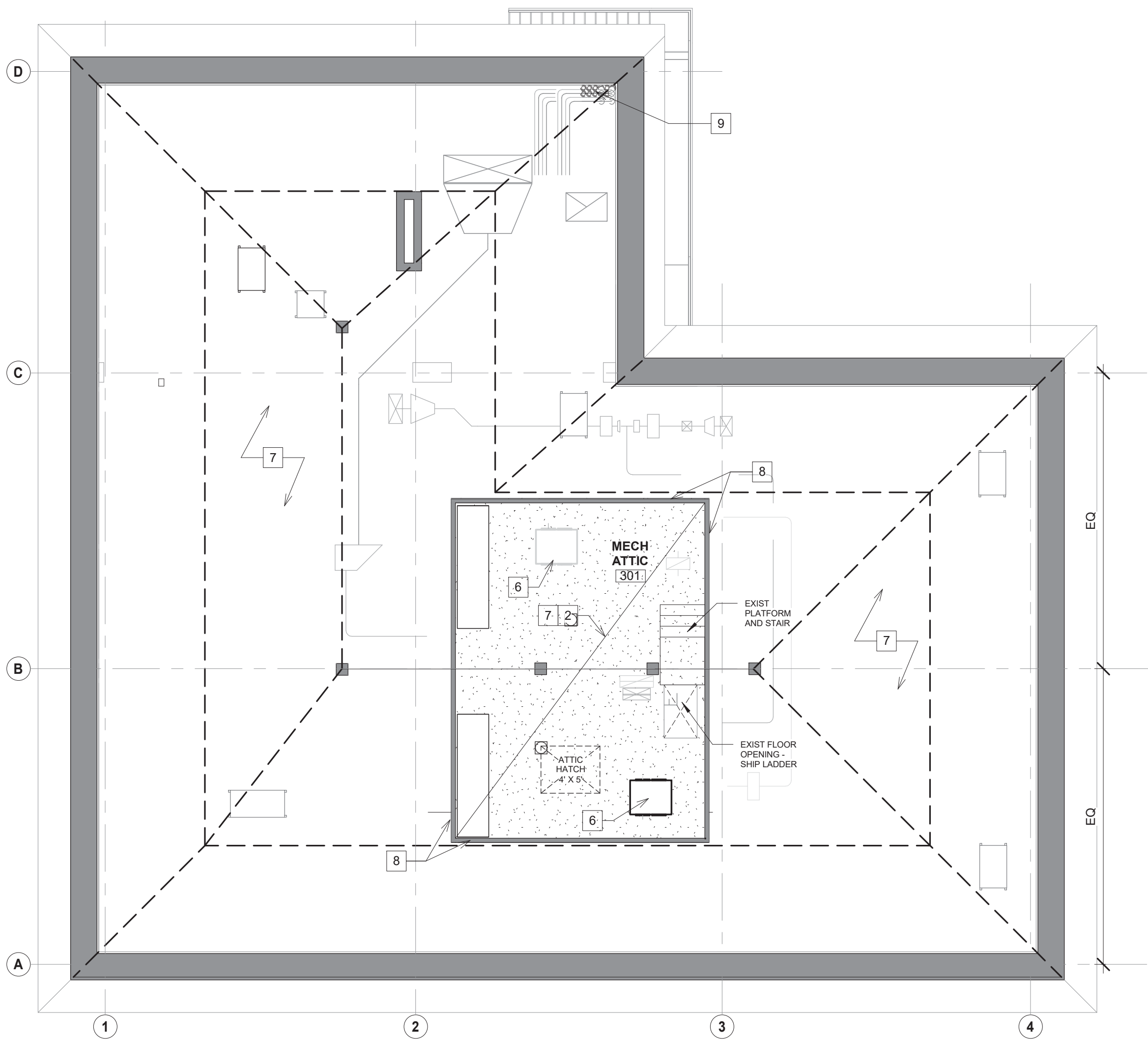
INFILL ALL ABANDIONED OPENING THROUGH ATTIC MECH ROOM WALLS. SEAL AROUND ALL NEW DUCT AND PIPE PENETRATIONS.
9.

NEW PIPES RUN FROM OUTDOOR UNIT TO ATTIC. PENETRATING EXTERIOR WALL ABOVE GROUND FLOOR CEILING. SEAL AROUND ALL PENETRATIONS THROUGH FLOORS.
10.

PROVIDE OPENING IN MASONRY WALL FOR PIPES. COORDINATE WITH MEP AND STRUCTURAL DRAWINGS. MINIMIZE OPENING. WEATHER SEAL AROUND PIPES.
11.

STORAGE 102- COORDINATE NEW SHELF LOCATION WITH OWNER'S REP.
12.

STORAGE 203- REMOVE SHELVING AND GWB AS NEEDED TO RUN PIPES FROM FIRST FLOOR TO ATTIC. PATCH GWB, SAND AND PAINT WALL. BEFORE REINSTALLING SHELVING.



1
A-12
1/8" = 1'-0"

ATTIC - FLOOR PLAN

COLIMORE
ARCHITECTS

SEAL DATE: 03/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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	AS-BUILT PER RECORD PRINT	DWN BY: RMR	REVIEWED BY:										
BY: _____ DATE: _____	CHKD BY: ASB	DATE REVIEWED:											

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ATTIC PLAN - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



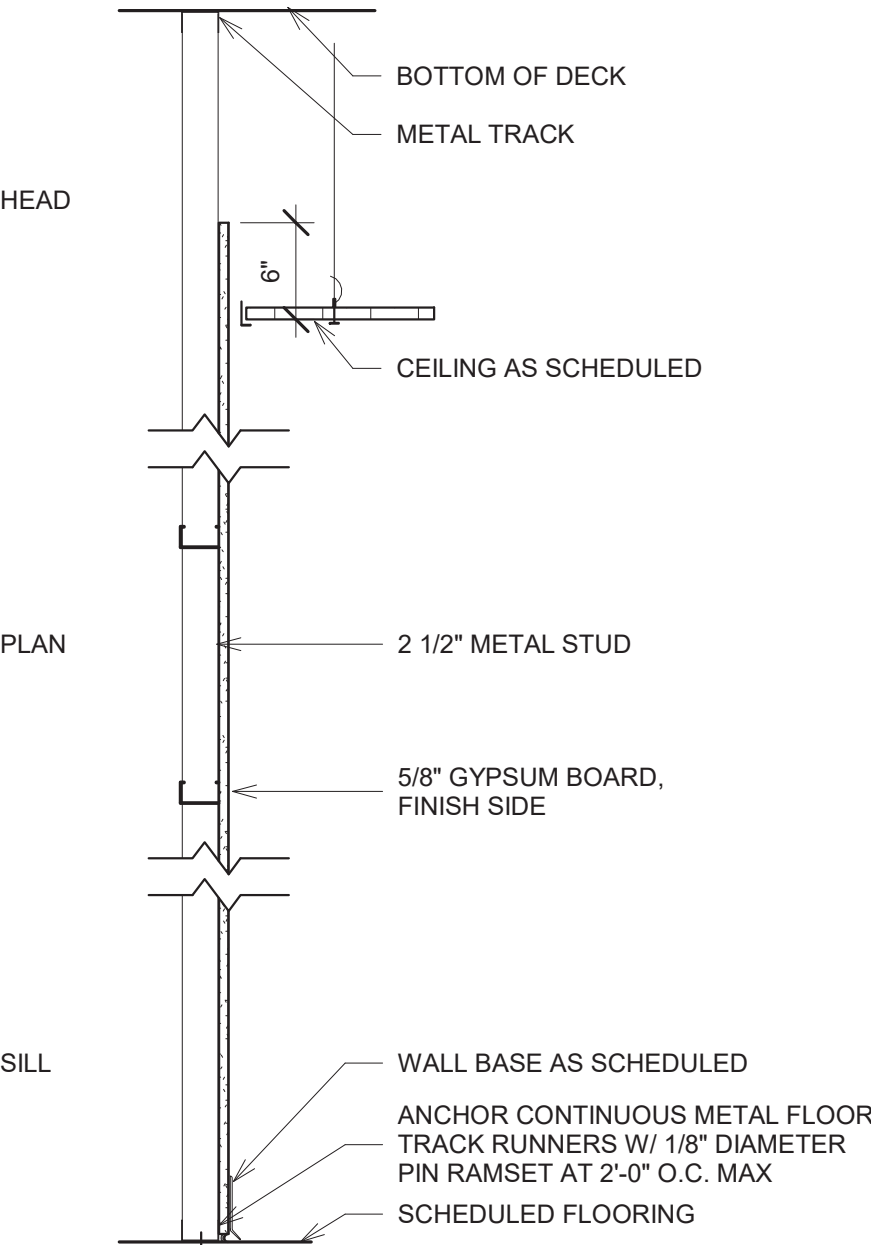
DATE: 03/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
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JOB ORDER NUMBER	
PROJ-10001055	
SHEET 14 OF 61 DRAWING NUMBER	
2025-2611	
FILE NO.: 8	

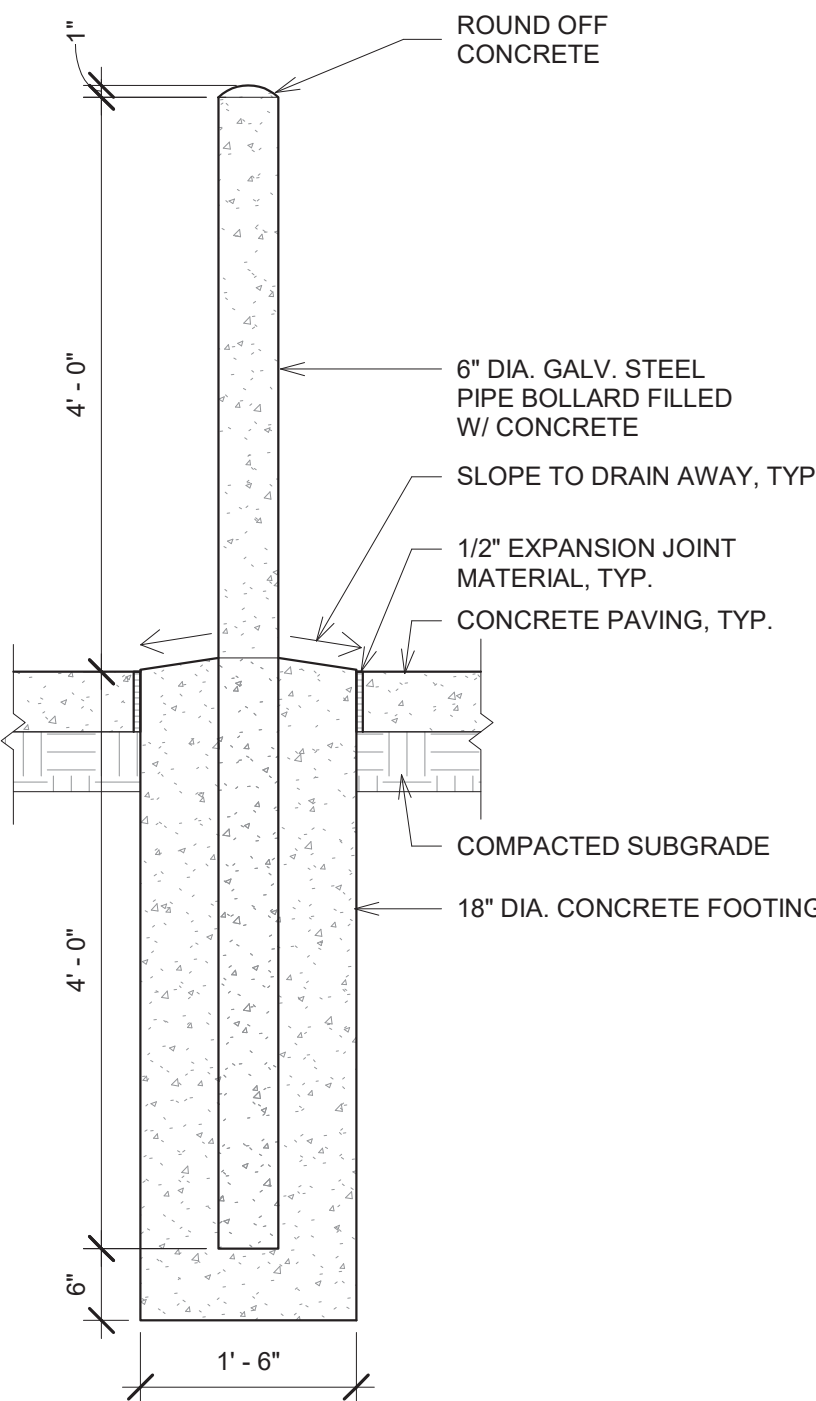


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PARTITION TYPE

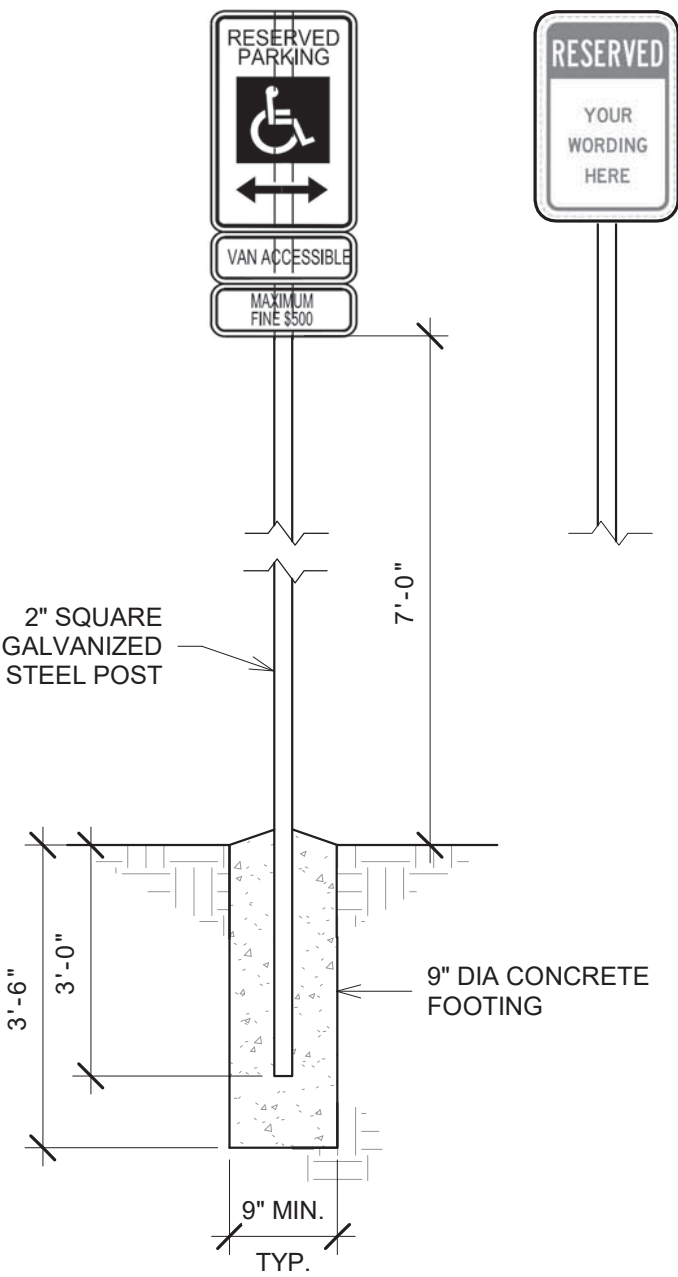


WALL TYPE W1 - STUD/GWB FURRING

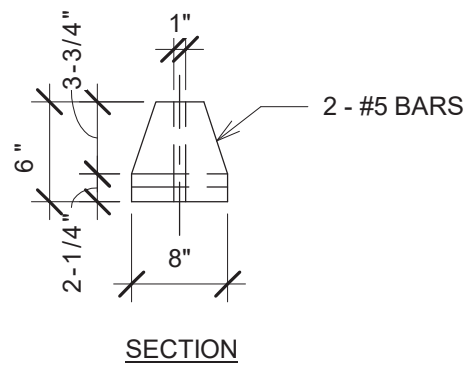
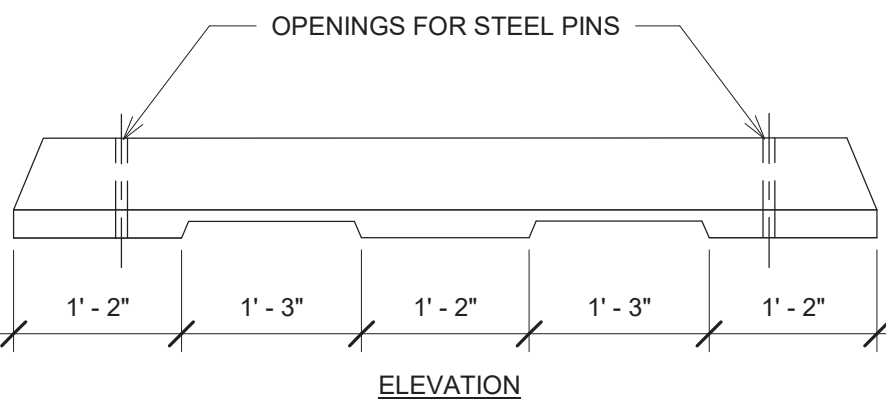


NOTE: PIPE BOLLARDS TO BE PRIMED AND PAINTED WITH EXTERIOR ENAMEL PAINT.

4
A-13
3/4\"/>

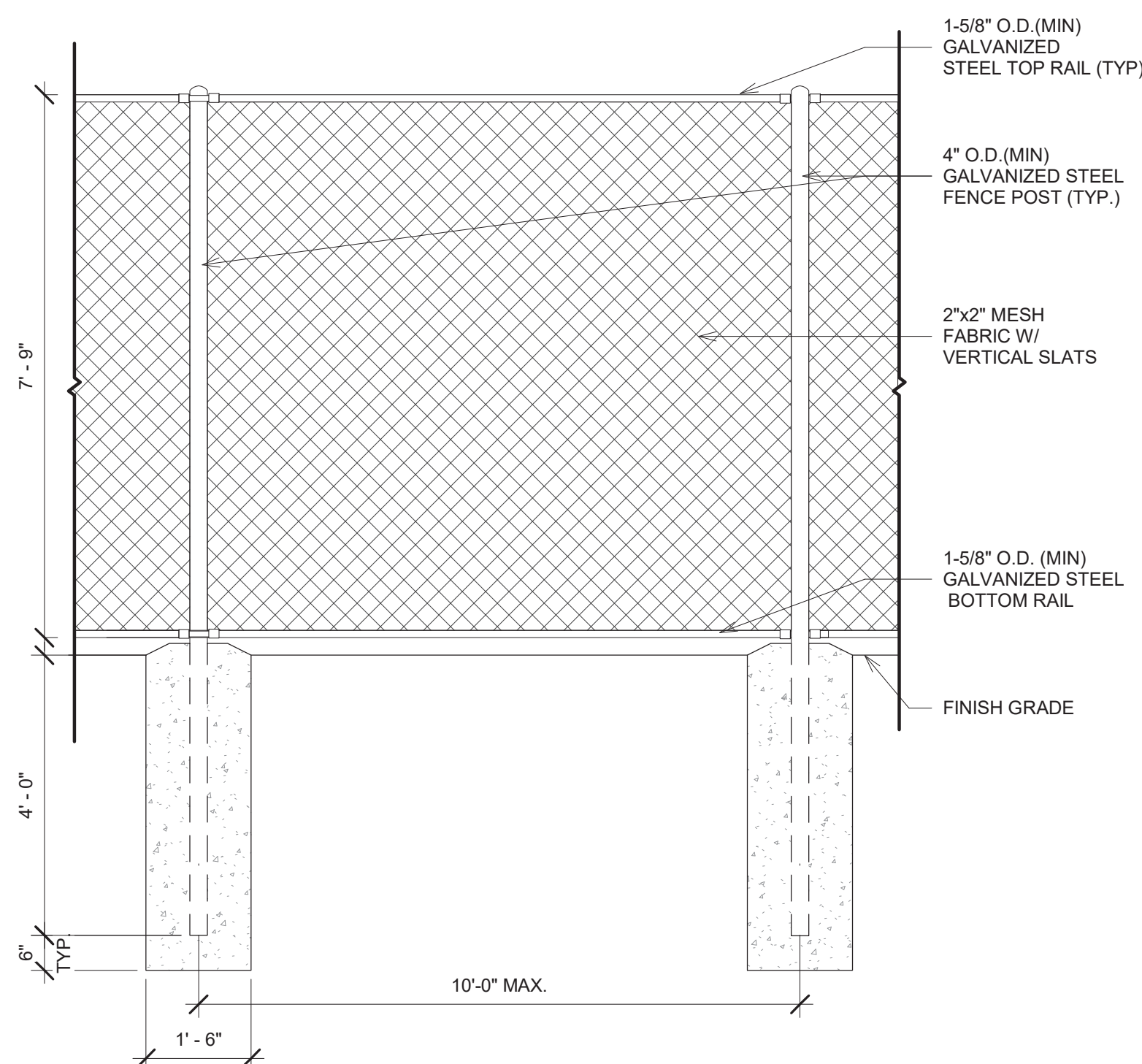


5
A-13
3/4\"/>

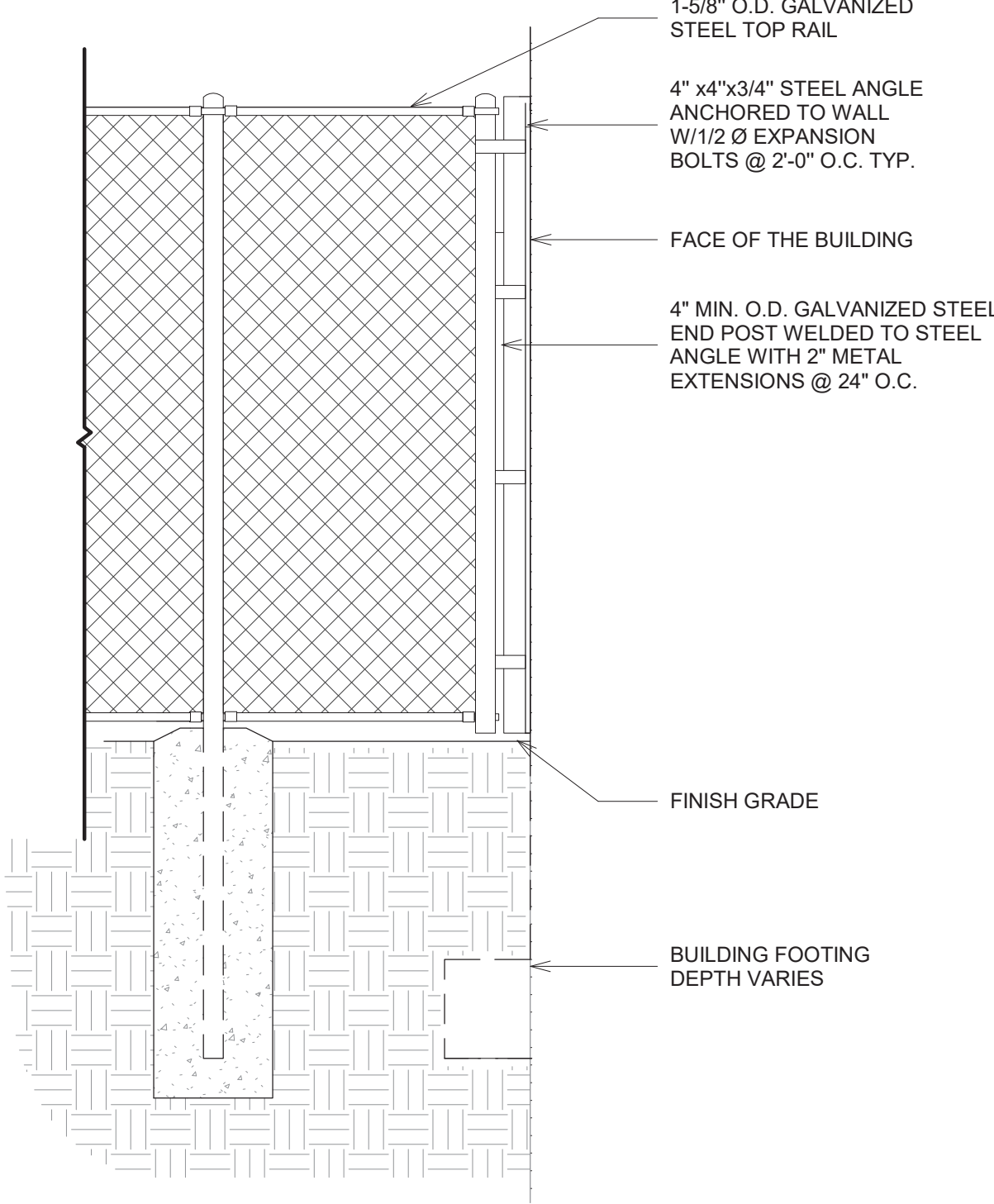


NOTE:
1. CONTRACTOR TO PROVIDE TWO (2) NO. 8 REBARS, 16\"/>

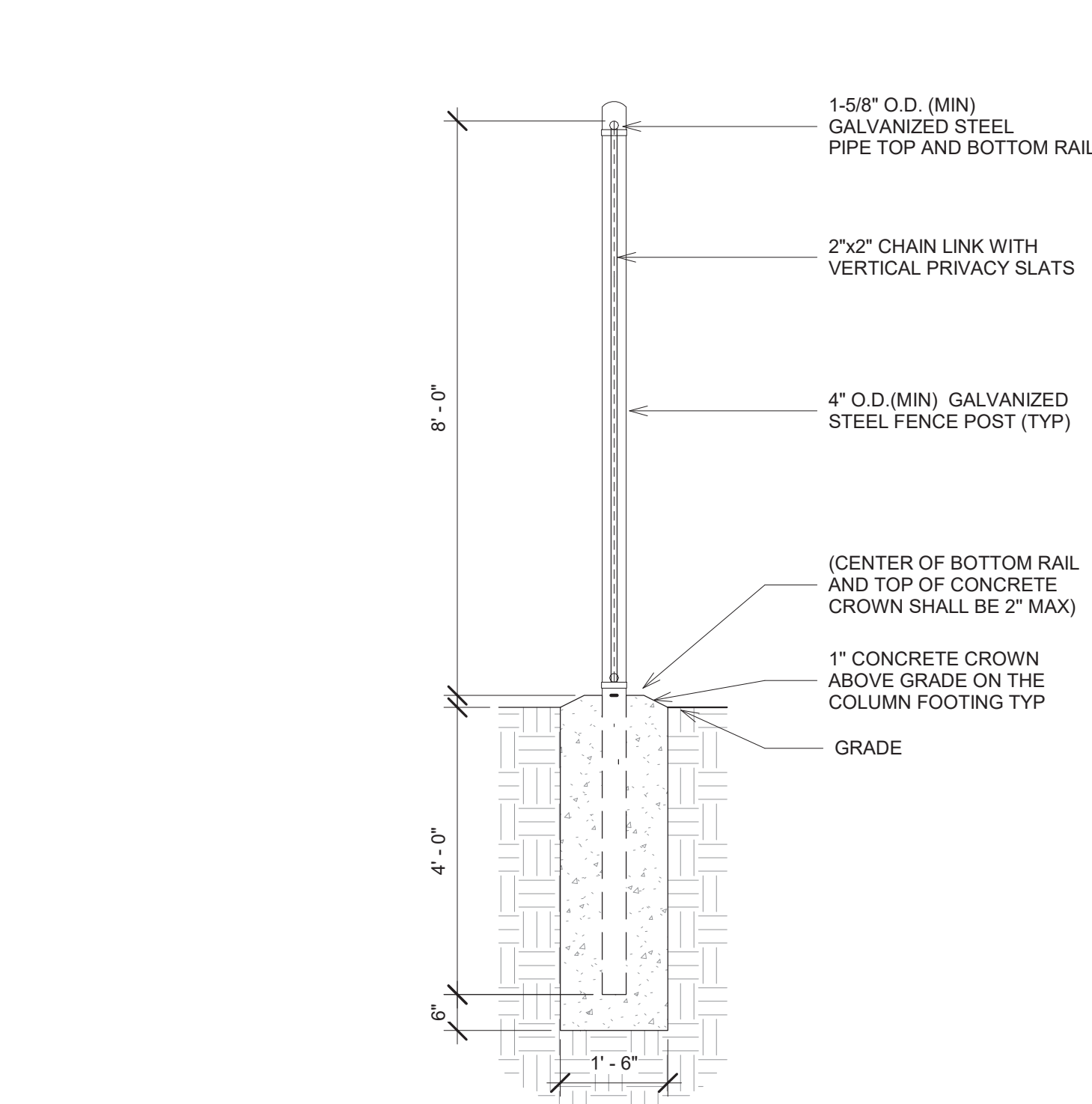
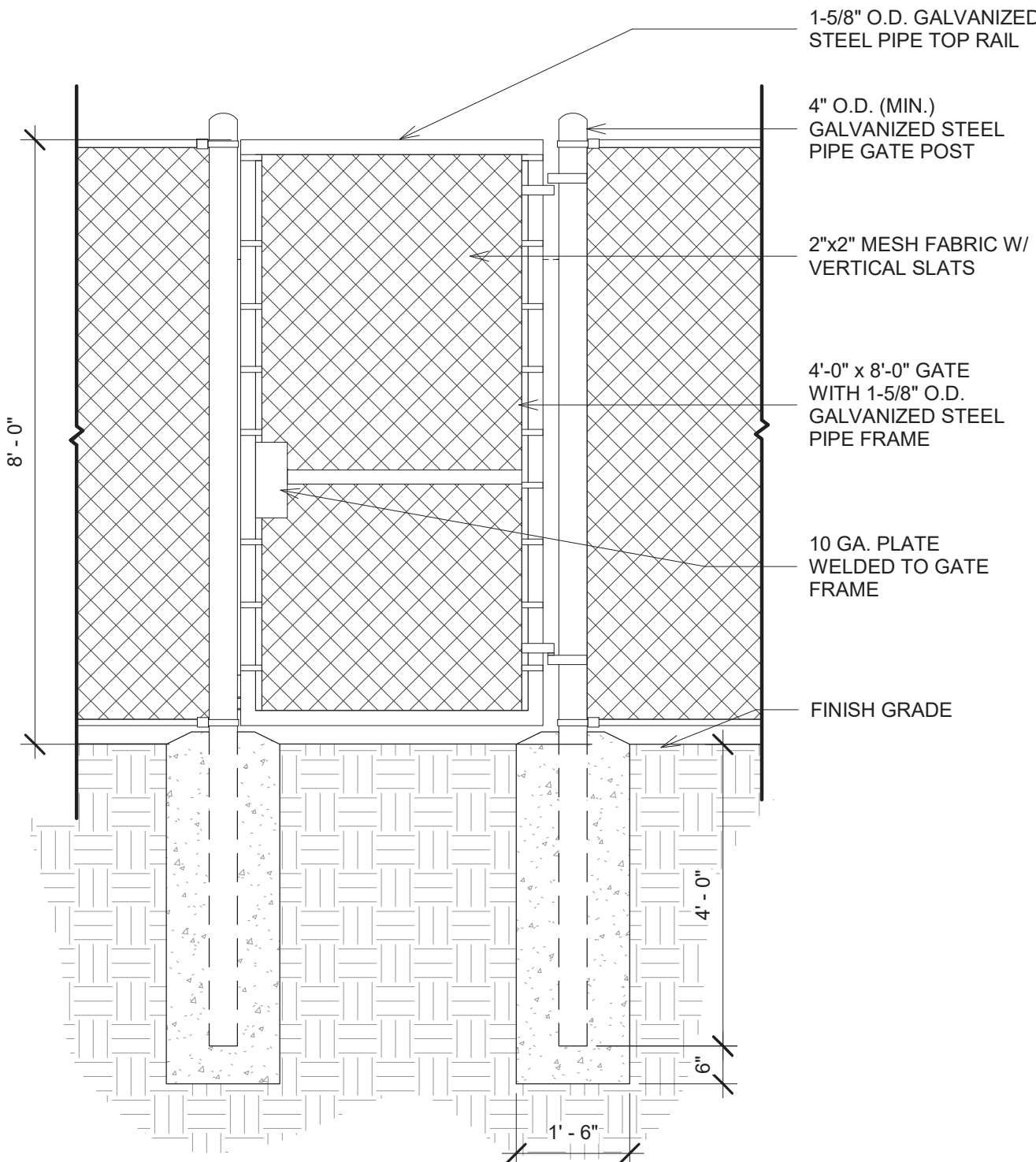
6
A-13
3/4\"/>



1
A-13
1/2\"/>



2
A-13
1/2\"/>



3
A-13
1/2\"/>

COLIMORE
ARCHITECTS

SEAL STATE OF MARYLAND ASHUTOSH S. BELGI ARCHITECT DATE: 03/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT	
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SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SITE AND PARTITION DETAILS
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

DATE: 03/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
A-13	25133 PO0
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 15 OF 61 DRAWING NUMBER	
2025-2612	
FILE NO.: 8	

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GENERAL

1. ALL ELEVATIONS ARE REFERENCED TO MSL. SEE CIVIL DWG FOR FINISHED FLOOR ELEVATIONS. ALL ELEVATIONS SHOWN ON PLANS ARE REFERENCED TO THIS DATUM UNLESS NOTED.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR START OF CONSTRUCTION. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH WITHOUT THE PRIOR NOTIFICATION OF THE STRUCTURAL ENGINEER.
4. THE GENERAL CONTRACTOR SHALL COORDINATE ALL OTHER DISCIPLINES FOR ANY ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING, GUY WIRES, ETC., WHERE NECESSARY TO ADEQUATELY RESIST ALL CONSTRUCTION LOADS.

DESIGN CRITERIA

1. STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE FOLLOWING CODE, STANDARDS AND SPECIFICATIONS:
- a. INTERNATIONAL BUILDING CODE (IBC) 2021
 - b. ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
 - c. ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
 - d. TMS 402/602-16 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
 - e. AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
 - f. AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
 - g. AWC NDS 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
2. SUPERIMPOSED DESIGN LOADS:
- a. LIVE LOADS (MIN):
 - ROOFS, NON-REDUCIBLE: 30 PSF
 - STAIRS & PLATFORMS: 100 PSF
 - b. ASCE 7-16 RISK CATEGORY = II
 - c. WIND LOADS:
 - ULTIMATE DESIGN SPEED: 110 MPH
 - NOMINAL DESIGN SPEED: 85 MPH
 - EXPOSURE: B
 - INTERNAL PRESSURE COEFF.: ± 0.18
 - d. EARTHQUAKE DESIGN DATA:
 - SEISMIC IMPORTANCE FACTOR: I_e=1.0
 - MAPPED SPECTRAL RESPONSE ACCELERATION: S_s=0.146
 - MAPPED SPECTRAL RESPONSE ACCELERATION: S₁=0.044
 - DESIGN SPECTRAL RESPONSE ACCELERATION: S_{ds}=0.156
 - DESIGN SPECTRAL RESPONSE ACCELERATION: S_{d1}=0.070
 - SOIL SITE CLASSIFICATION: TYPE D
 - SEISMIC DESIGN CATEGORY: B
 - e. SNOW LOADS:
 - GROUND SNOW LOAD (P_g): 25 PSF
 - FLAT ROOF SNOW LOAD (P_f): 21.0 PSF
 - SNOW EXPOSURE FACTOR (C_e): 1.0
 - SNOW THERMAL FACTOR (C_t): 1.2
 - SNOW LOAD IMPORTANCE FACTOR (I_s): 1.0
3. FOUNDATION: SPREAD & WALL FOOTINGS
- a. ASSUMED ALLOWABLE BEARING PRESSURE: 2,000 PSF (CONTRACTOR TO CONFIRM ASSUMPTION)
 - b. ASSUMED INTERNAL ANGLE OF FRICTION: 30 DEGREES
 - c. ASSUMED UNIT WEIGHT OF SOIL (ABOVE WATER TABLE): 125 PCF
 - d. ASSUMED UNIT WEIGHT OF SOIL (BELOW WATER TABLE): 75 PCF
 - e. ASSUMED AT REST EARTH PRESSURE COEFFICIENT: K_o=0.50
 - f. ASSUMED LATERAL BEARING: 150 PCF

EXISTING CONSTRUCTION

1. ALL MEMBER SIZES AND DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS ARE OBTAINED FROM AVAILABLE SOURCES AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. THE CONTRACTOR SHALL VERIFY THESE DIMENSIONS AND ELEVATIONS BY ACTUAL FIELD MEASUREMENTS PRIOR TO FABRICATION OF ANY MATERIALS AND START OF WORK, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER.
2. THE CONTRACTOR SHALL PROVIDE ALL SHORING, NEEDLING AND BRACING AS REQUIRED TO SUPPORT THE EXISTING STRUCTURE. THE CONTRACTOR SHALL EXAMINE THE EXISTING STRUCTURE TO DETERMINE THE EXTENT OF THE NECESSARY SHORING, NEEDLING, AND UNDERPINNING. THE CAPACITY AND METHOD FOR SHORING AND NEEDLING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

DEMOLITION

1. REMOVE EXISTING CONSTRUCTION AS SHOWN ON PLANS. SEE PLANS, SECTIONS, AND DETAILS FOR EXTENT OF STRUCTURE TO BE REMOVED.
2. EXISTING STRUCTURAL FRAMING SHALL REMAIN UNLESS SPECIFICALLY NOTED ON PLAN TO BE REMOVED.
3. IF FIELD CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE EXISTING BUILDING DURING THE COURSE OF CONSTRUCTION AND IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY AREAS WHERE THE STRUCTURE EXHIBITS DISTRESS OR FAILURE.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE LOCATION OF ANY UTILITIES IN THE IMMEDIATE VICINITY OF CONSTRUCTION SO AS TO PREVENT DAMAGE TO THEM. SHOULD ANY DAMAGE TO SUCH UTILITIES OCCUR THE CONTRACTOR SHALL BE REQUIRED TO REPAIR SUCH DAMAGE AT THEIR OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER.

CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE, HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
- a. POST FOOTINGS AND EQUIPMENT PADS 4,500 PSI, NW
2. NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE AND HAVE BEEN REVIEWED BY THE ENGINEER.
3. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.
4. SLUMP SHALL BE AS REQUIRED BY ACI 302 - LATEST EDITION.
5. AIR ENTRAIN ALL FOUNDATIONS AND CONCRETE EXPOSED TO WEATHER 5% ±1%.
6. EXCAVATIONS SHALL BE KEPT FREE OF WATER. NO CONCRETE SHALL BE PLACED IN WATER.
7. ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN OR AS REQUIRED BY VARIOUS TRADES.
8. CHAMFER ALL EDGES OF BEAMS, COLUMNS, HAUNCHES, WALLS EQUIPMENT PADS AND SLABS EXPOSED TO VIEW 3/4" UNLESS OTHERWISE NOTED.
9. SLAB ON GRADE CONTRACTION JOINTS SHALL OCCUR AT ALL COLUMNS AND SHALL BE NO GREATER THAN 15 FEET APART FOR SLABS LESS THAN 8'.
10. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.
11. TERMINATE ALL DISCONTINUED TOP BARS WITH 90 DEGREE STANDARD HOOK UNLESS OTHERWISE NOTED.
12. PROVIDE THE FOLLOWING MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:
- a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - b. CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
 - #5 BARS AND SMALLER 1 1/2"
 - #6 BARS AND LARGER 2"
 - c. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
 - SLAB, JOISTS, AND WALLS 3/4"
 - BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES 1 1/2"
 - ENVIRONMENTAL CONCRETE STRUCTURES 3"
13. CONTINUOUS BOTTOM BARS SHALL BE SPLICED AT CENTERLINE OF SUPPORTS. CONTINUOUS TOP BARS SHALL BE SPLICED AT MIDSPAN.
14. AT CHANGES IN DIRECTION OF CONCRETE WALLS, STRIP FOOTINGS, BEAMS, TIE-BEAMS AND BOND BEAMS, PROVIDE CORNER BARS AT SAME SIZE AND SPACING AS HORIZONTAL STEEL.
15. REINFORCING BAR SUPPORTS AND SPACERS SHALL CONFORM TO ACI 315-(LATEST EDITION) DETAILING MANUAL.
16. SHOP DRAWINGS SHOWING ALL NECESSARY SECTIONS AND DETAILS FOR THE PROPER POSITIONING OF ALL REINFORCING STEEL SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW BEFORE FABRICATION OR PLACEMENT OF THE STEEL.
17. ALL WELDED WIRE FABRIC SHALL BE SPLICED SO THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS TWO INCHES, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR VAPOR AND WATERPROOFING MEMBRANES.



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
S-0	25133 PO0
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 16 OF 61
	DRAWING NUMBER
	2025-2613
	FILE NO.: 8

SEAL



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. 23393 EXPIRATION DATE 08/25/2026		CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: _____ PROFILE SCALE: _____	APPROVED BY: _____ DATE: _____ PROPERTY MANAGER
ENGINEER: RACHEL ALBRECHT GAGER	DGN BY: _____ EB	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: _____ EB	REVIEWED BY:							
BY: _____ DATE: _____	CHK'D BY: _____ RAG	DATE REVIEWED:							

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

HUMAN RESOURCES BUILDING

GENERAL NOTES

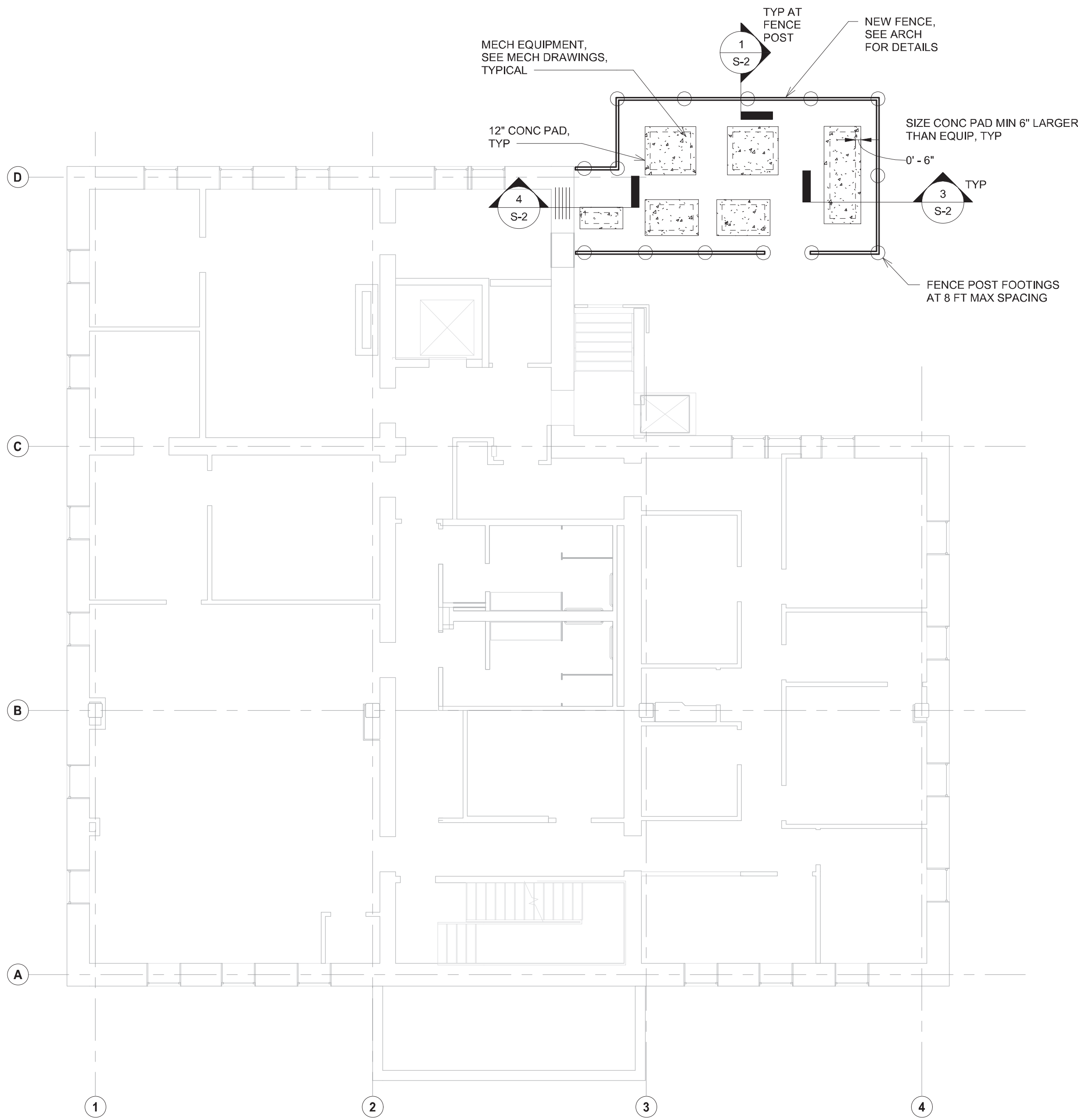
HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

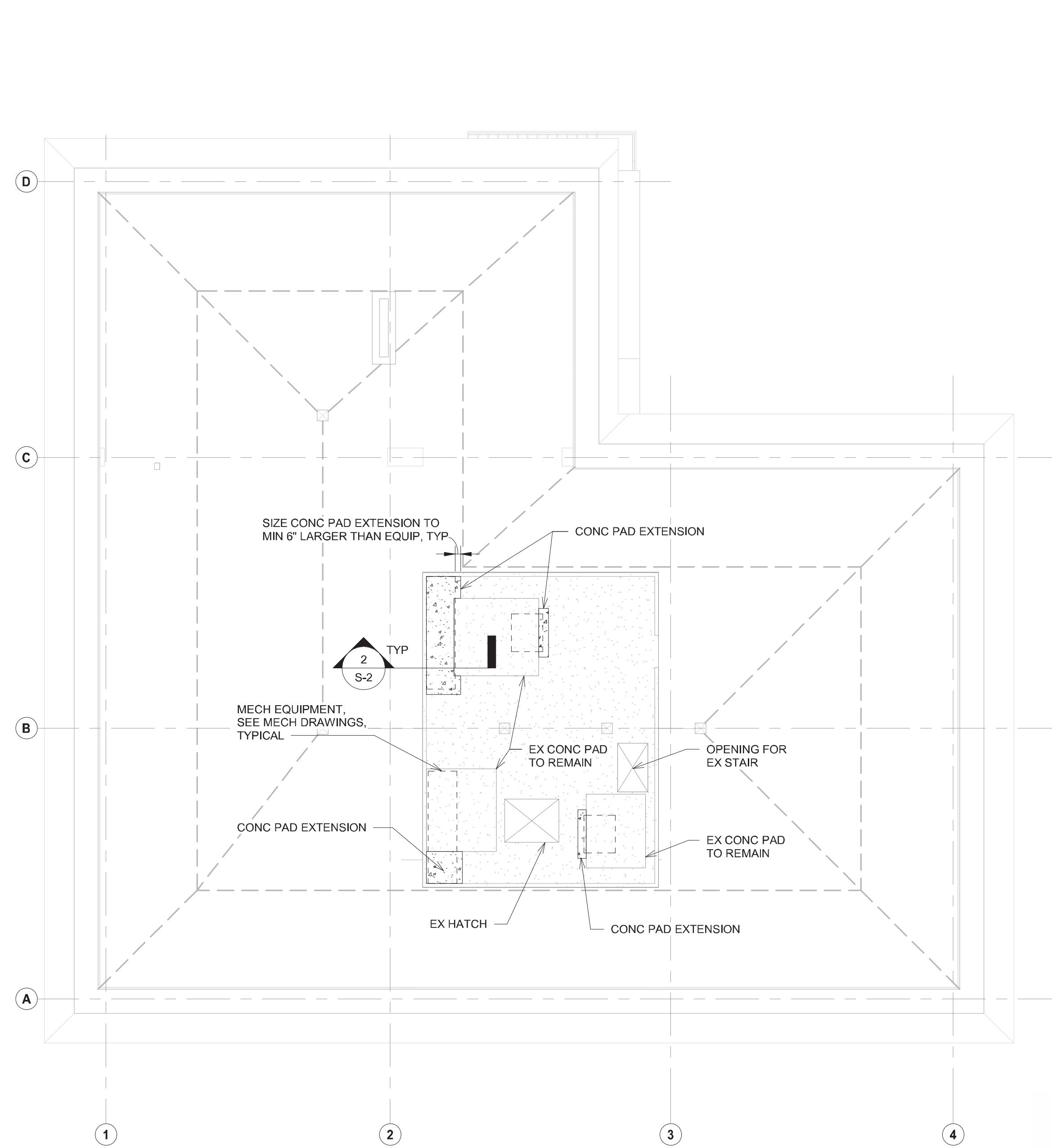
ELECTION DIST. NO.: 9c8



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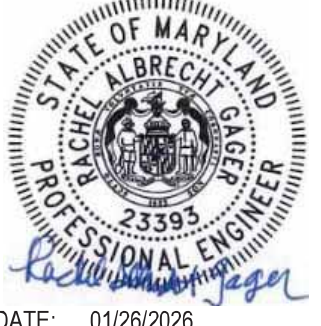


1 GROUND FLOOR
1/8" = 1'-0"



2 ATTIC
1/8" = 1'-0"

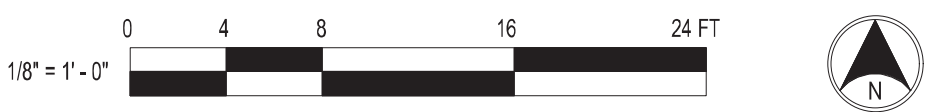


SEAL 	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT	
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: _____ PROPERTY MANAGER	
	LICENSE NO. 23393 EXPIRATION DATE 08/25/2026		CONTRACT COMPLETION BOX							PROFILE SCALE:	DATE: _____	
	ENGINEER: RACHEL ALBRECHT GAGER	DGN BY: EB	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT	D/WN BY: EB	REVIEWED BY:									

BY: _____	CHKD BY: RAG	DATE REVIEWED:										
DATE: 01/28/2026												

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
PLANS - STRUCTURAL - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
S-1	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 17 OF 61 DRAWING NUMBER	2025-2614
FILE NO.: 8	



ELECTION DIST. NO.: 9c6

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MECHANICAL ABBREVIATIONS			
(APPLICABLE TO ALL MECHANICAL DRAWINGS)			
A/C	AIR CONDITIONING	M	MECHANICAL
ACCU	AIR COOLED CONDENSING UNIT	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MBH	THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPACITY
AFM	AIRFLOW MONITORING STATION	MECH	MECHANICAL
AFS	AIRFLOW SWITCH	MERV	MINIMUM EFFICIENCY REPORTING VALUE
AHRI	AIR CONDITIONING, HEATING AND REFRIGERATION INSTITUTE	MIN	MINIMUM
AHU	AIR HANDLING UNIT	MOCP	MAXIMUM OVER-CURRENT PROTECTION
APD	AIR PRESSURE DROP	MOD	MOTOR-OPERATED DAMPER
AS	AIR SEPARATOR		
ATC	AUTOMATIC TEMPERATURE CONTROLS	N	NORTH
AV	AUDIOVISUAL	NC	NOISE CRITERIA / NORMALLY CLOSED
		NO	NUMBER / NORMALLY OPEN
B	BOILER		
BAS	BUILDING AUTOMATION SYSTEM	OA	OUTDOOR AIR
BC	BRANCH CONTROLLER	OAF	OUTDOOR AIR FAN
BDD	BACKDRAFT DAMPER	OED	OPEN-END DUCT
BHP	BRAKE HORSEPOWER		
BLR	BOILER	P	PUMP
BTU	BRITISH THERMAL UNIT	PD	PRESSURE DROP/PUMPED DISCHARGE/PRESSURE SWITCH
		PH	PHASE
CFM	CUBIC FEET PER MINUTE	PPM	PARTS PER MILLION
CHR	CHILLED WATER RETURN	PSF	POUNDS PER SQUARE FOOT
CHS	CHILLED WATER SUPPLY		
CHW	CHILLED WATER	R	RADIUS / REFRIGERANT / REGISTER / RISE / RISER
CONF	CONFERENCE	RA	RETURN AIR
COP	COEFFICIENT OF PERFORMANCE	RL	REFRIGERANT LIQUID
CORR	CORRIDOR	RLA	RATED LOAD AMPS
CS	CURRENT SENSOR	RM	ROOM
CU	CONDENSING UNIT	RPM	REVOLUTIONS PER MINUTE
CUH	CONCEALED UNIT HEATER	RS	REFRIGERANT SUCTION
		RX	REMOVE EXISTING
D	DAMPER / DEPTH / DIAMETER / DIFFUSER / DRAIN / DROP		
DB	DECIBEL / DRY BULB	S	SANITARY / SECONDS / SOIL / SOUTH / SWITCH / SMOKE DETECTOR
DIA	DIAMETER	SA	SUPPLY AIR
DOAS	DEDICATED OUTDOOR AIR SYSTEM	SCR	SILICON CONTROLLED RECTIFIER
DN	DOWN	SD	SMOKE DAMPER / SMOKE DETECTOR
DPS	DIFFERENTIAL PRESSURE SWITCH	SENS	SENSIBLE COOLING
DSS	DUCTLESS SPLIT SYSTEM	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
DX	DIRECT EXPANSION	STOR	STORAGE
E	EAST / ELECTRICAL	T	THERMOSTAT / TEMPERATURE SENSOR
EA	EACH / EXHAUST AIR	TA	TRANSFER AIR
EAF	EXHAUST AIR FAN	TSP	TOTAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE	T-STAT	THERMOSTAT
EDH	ELECTRIC DUCT HEATER	TYP	TYPICAL
EER	ENERGY EFFICIENCY RATIO		
ELEV	ELEVATOR	UH	UNIT HEATER
EPA	ENVIRONMENTAL PROTECTION AGENCY	UL	UNDERWRITERS LABORATORIES
ERV	ENERGY RECOVERY VENTILATOR		
ESP	EXTERNAL STATIC PRESSURE	V	VACUUM / VALVE / VENT / VOLTS
ESS	EMERGENCY SHUTDOWN SWITCH	VAV	VARIABLE AIR VOLUME
ET	EXPANSION TANK	VD	VOLUME DAMPER
EX	EXISTING TO REMAIN	VFD	VARIABLE FREQUENCY DRIVE
		VRF	VARIABLE REFRIGERANT FLOW
F	FAHRENHEIT / FREEZESTAT		
FA	FIRE ALARM	W	WASTE / WATER / WATT / WEST / WIDTH
FC	FLEXIBLE CONNECTION	WI	WITH
FCU	FAN COIL UNIT	WB	WET BULB
FD	FIRE DAMPER	WC	WATER COLUMN
FS	FLOW SWITCH	WG	WATER GAUGE
FT	FEET / FOOT		
FTR	FINNNED TUBE RADIATOR		
FV	FACE VELOCITY		
G	GAS / GRILLE		
GA	GAUGE		
GPM	GALLONS PER MINUTE		
H	HEIGHT / HIGH / HUMIDISTAT / HUMIDITY SENSOR		
HGRH	HOT GAS REHEAT		
HP	HEAT PUMP / HIGH PRESSURE / HORSEPOWER		
HR	HOT WATER HEATING RETURN / HOUR		
HRU	HEAT RECOVERY UNIT		
HS	HOT WATER HEATING SUPPLY		
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		
HW	HEATING WATER		
IN	INCHES		
KW	KILOWATTS		
L	LENGTH / LOUVER		
LAT	LEAVING AIR TEMPERATURE		
LB	POUND		
LBS	POUNDS		
LD	LINEAR DIFFUSER		
LLP	LEAD LAG PUMP		
LLS	LIQUID LEVEL SENSOR		

MECHANICAL LEGEND	
(APPLICABLE TO ALL MECHANICAL DRAWINGS)	
SYMBOL	DESCRIPTION
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CONDENSATE DRAIN
	HOT WATER HEATING RETURN
	HOT WATER HEATING SUPPLY
	PUMPED DISCHARGE
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	CONNECT TO EXISTING
	END POINT OF REMOVAL OF EXISTING
	PLAN/ SECTION DESIGNATION TOP - PLAN/ SECTION REFERENCE, BOTTOM - REFERENCED DRAWING
	CAP (PIPE OR DUCT)
	SHUTOFF VALVE
	TWO WAY AUTOMATIC CONTROL VALVE
	EXHAUST AIR DUCT
	OUTDOOR AIR OR SUPPLY AIR DUCT
	RETURN AIR DUCT
	THERMOSTAT/TEMPERATURE SENSOR
	DUCT MOUNTED SMOKE DETECTOR
	DROP IN DUCTWORK
	RISE IN DUCTWORK
	FIRE DAMPER
	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	FLEXIBLE CONNECTION
	DIFFUSER TAG: TOP- NECK SIZE CENTER- SPECIFICATION TYPE BOTTOM- AIRFLOW IN CFM

GENERAL MECHANICAL NOTES	
(APPLICABLE TO ALL MECHANICAL DRAWINGS)	
1. ALL PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS SHOWN "LIGHT" () ARE EXISTING TO REMAIN. DEMOLISH ALL PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND DASHED" () ON DEMOLITION DRAWINGS. PROVIDE ALL PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND SOLID" () ON NEW WORK DRAWINGS.	
2. COORDINATE ALL MECHANICAL WORK WITH PLUMBING WORK, ELECTRICAL WORK, AND WORK OF OTHER TRADES.	
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. REPAIR ALL DAMAGES OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	
4. INSTALL PIPING AND DUCTWORK SO THAT ALL VALVES AND DAMPERS ARE ACCESSIBLE.	
5. UNLESS OTHERWISE NOTED, ROUTE ALL PIPING AND DUCTWORK OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED.	
6. MAINTAIN MINIMUM 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL AND ELECTRICAL ROOMS.	
7. CERTAIN ITEMS SUCH AS ACCESS DOORS, CLEANOUTS, RISE AND DROPS IN DUCTWORK AND PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.	
8. WHERE THE INSTALLATION OF NEW SERVICES OR THE EXTENSION OF EXISTING SERVICES REQUIRES CUTTING OF EXISTING FLOORS, WALLS, PARTITIONS, ETC., CHECK FOR THE PRESENCE OF EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES WITHIN OR IMMEDIATELY BENEATH CONSTRUCTION. EXERCISE NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE SERVICES OR INJURY TO PERSONNEL DUE TO CONTACT WITH SAME. TEMPORARILY DISCONNECT SERVICES DURING THE CUTTING OPERATION. SCHEDULE SERVICE OUTAGES IN ADVANCE WITH THE COUNTY.	
9. FLOW SCHEMATIC AND RISER DIAGRAMS INDICATE FLOW AND OPERATION CONCEPTS AS WELL AS GENERAL ARRANGEMENT OF EQUIPMENT. VALVES, PRESSURE GAUGES, ETC. ARE INDICATED FOR THIS PURPOSE. PROVIDE ADDITIONAL VALVES, PRESSURE GAUGES, ETC. AS SHOWN ON VARIOUS EQUIPMENT DETAILS. SEE PLANS AND DETAILS FOR PIPE SIZES NOT INDICATED ON FLOW SCHEDULES AND RISER DIAGRAMS.	
10. CONTRACTOR SHALL BE RESPONSIBLE FOR RESEARCHING ALL SYSTEMS THAT A PARTICULAR OUTAGE WILL AFFECT AS WELL AS LOCATING ALL SHUTOFF POINTS. INCLUDE THIS INFORMATION IN THE OUTAGE PLAN AND SUBMIT TO THE COUNTY FOR APPROVAL.	
11. PROVIDE AN AIR VENT AT THE TOP OF ALL RISERS AND AT THE HIGH POINT OF EACH DROP IN THE HEATING WATER SYSTEMS.	
12. EXCEPT AS OTHERWISE NOTED, LOCATE ALL ROOM THERMOSTATS/TEMPERATURE SENSORS 48 INCHES ABOVE FINISHED FLOOR ON SAME HORIZONTAL CENTERLINE AS LIGHT SWITCH. WHERE LIGHT SWITCH AND THERMOSTAT/TEMPERATURE SENSOR ARE ADJACENT TO EACH OTHER, LIGHT SWITCH SHALL BE CLOSEST TO THE DOOR. COORDINATE WITH ELECTRICAL CONTRACTOR. NOTIFY THE ENGINEER OF ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION.	
13. IN CORRIDORS WHERE CEILING SPEAKERS AND AIR DIFFUSERS ARE INDICATED BETWEEN THE SAME LIGHTING FIXTURES, RELOCATE BOTH DEVICES TO QUARTER POINTS BETWEEN THE SAME FIXTURE.	
14. RECOVER REFRIGERANTS FROM REFRIGERATION EQUIPMENT IN ACCORDANCE WITH AHRI AND EPA STANDARDS. PLACE RECOVERED REFRIGERANT IN CONTAINERS LABELED IN ACCORDANCE WITH AHRI AND EPA STANDARDS AND TURNED OVER TO THE COUNTY.	
15. RECYCLE MERCURY SWITCH THERMOSTATS THAT ARE REMOVED. DELIVER RECYCLED THERMOSTATS TO PARTICIPATING WHOLESALERS.	
16. INFORMATION SHOWN ON THE MECHANICAL DRAWINGS PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO DEMOLITION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.	
17. REMOVE ALL EXISTING PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE). ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE COUNTY, OR ARE INDICATED TO REMAIN THE PROPERTY OF THE COUNTY SHALL BE DELIVERED BY THE CONTRACTOR WHERE DIRECTED BY THE COUNTY. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.	
18. DISCONNECT EXISTING PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) AND REMOVE PIPING BACK TO SERVICE MAINS UNLESS OTHERWISE INDICATED OR NOTED ON PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, VALVES, ETC. CAP, PLUG, OR SEAL EXISTING PIPING INDICATED OR REQUIRED TO REMAIN IN SERVICE OR IN PLACE. NO EXISTING PIPING SHALL BE LEFT UNSEALED. VALVE ALL TERMINATED PRESSURE PIPE.	
19. EXISTING MECHANICAL PIPING, DUCTWORK, EQUIPMENT, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE RE-INSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE COUNTY AND AT NO ADDITIONAL CONTRACT COST.	
20. REMOVE ALL ACCESSORIES, CONTROLS, ENCLOSURES, SUPPORTS, HANGERS, PADS, ETC. ASSOCIATED WITH ALL EQUIPMENT SHOWN TO BE REMOVED. REPAIR AND PAINT DAMAGED SURFACES AND ALL SURFACES BEHIND ALL EQUIPMENT SHOWN TO BE DEMOLISHED TO MATCH EXISTING ADJACENT SURFACES.	
21. REMOVE EXTERNAL INSULATION FROM ALL EXISTING REMAINING SUPPLY DUCTWORK AND PROVIDE NEW EXTERNAL INSULATION. PERFORM DUCTWORK TESTING AS REQUIRED BY SPECIFICATIONS.	

SEAL DATE: 01/23/2026	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. 200470 EXPIRATION DATE: 09/02/2027		CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 12" = 1'-0"	APPROVED BY: _____	PROPERTY MANAGER
	ENGINEER: PETER PUSZCZ		DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	DATE: _____
	AS-BUILT PER RECORD PRINT		DWN BY: SQN	REVIEWED BY:								
	BY: _____ DATE: _____		CHKD BY: PJP	DATE REVIEWED:								
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT												
HUMAN RESOURCES BUILDING												
MECHANICAL COVER SHEET												
HVAC RENOVATION												
308 ALLEGHENY AVE, TOWSON, MD 21204												
ELECTION DIST. NO.: 9c6												
SUBDIVISION: TOWSON												

DATE: 02/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
M-1	25133 P00
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 19 OF 61	
DRAWING NUMBER	
2025-2616	
FILE NO.: 8	

1/23/2026 8:17:44 AM

KEY PLAN
NOT TO SCALE



- SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)
- 1

REMOVE CHILLER, PIPING, SUPPORTS, CONTROLS AND APPURTENANCES. REMOVE EQUIPMENT PAD.
- 2
- REMOVE CONDENSING UNIT, PIPING, SUPPORTS, CONTROLS AND APPURTENANCES. REMOVE EQUIPMENT PAD.

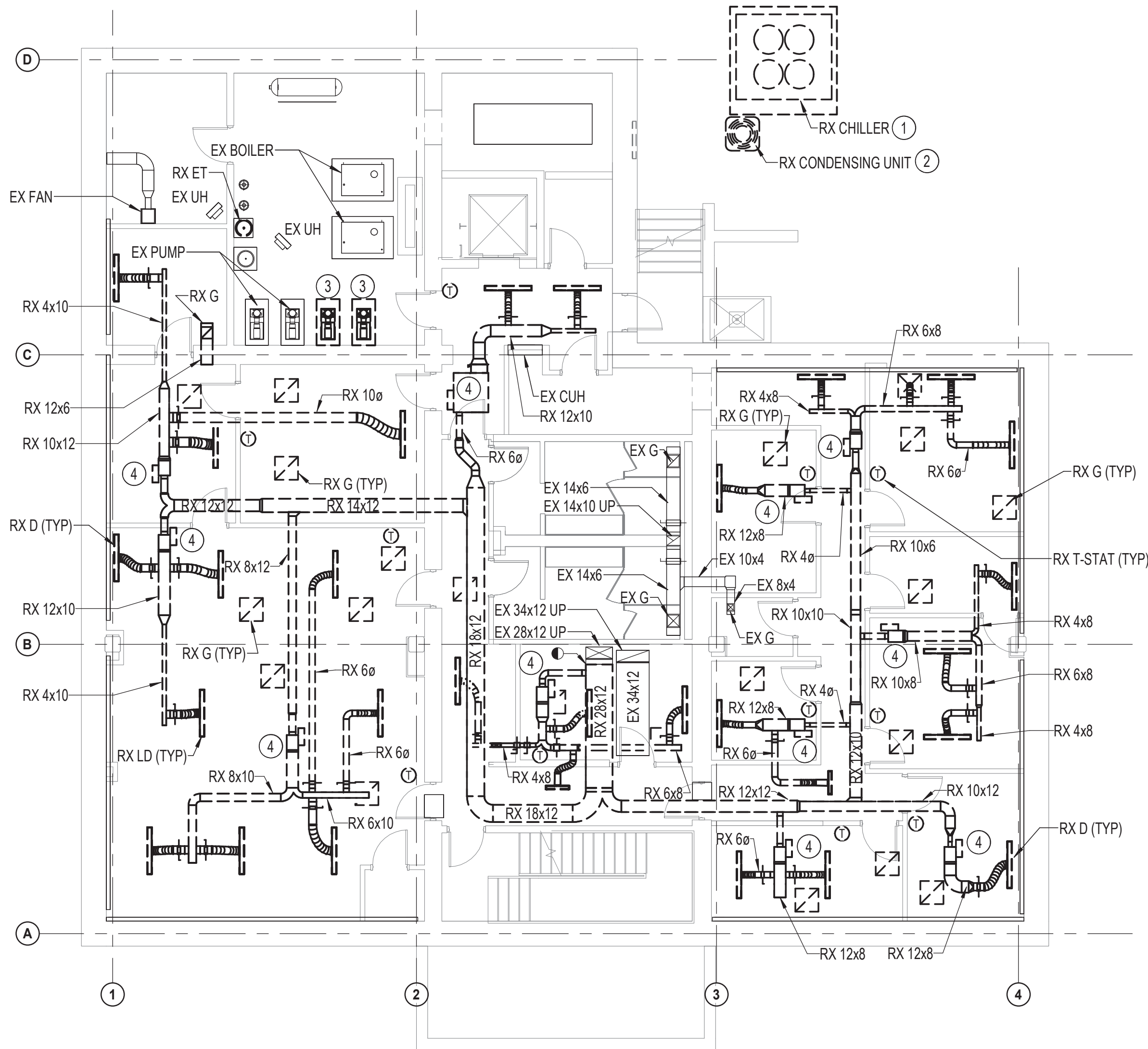
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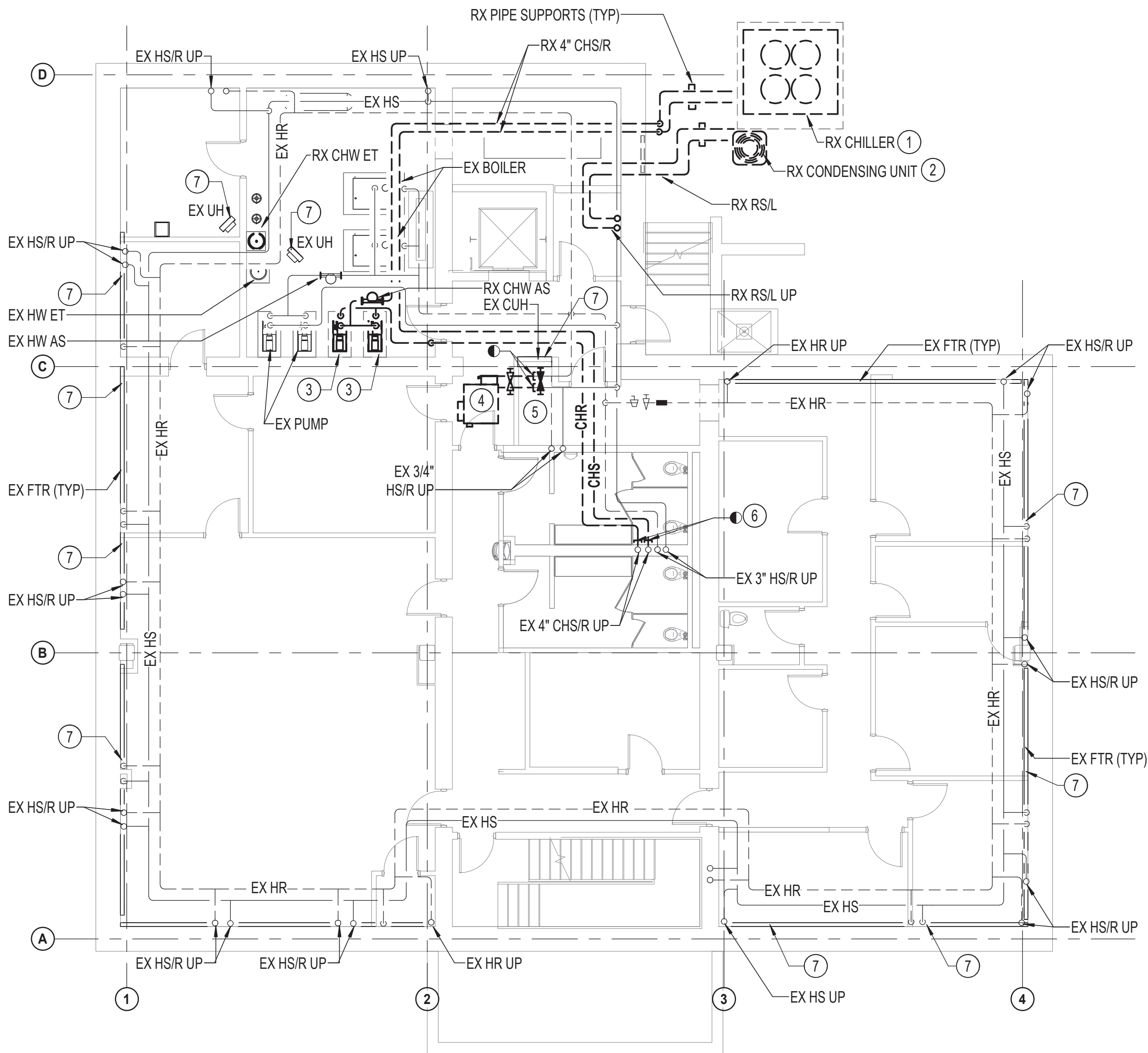
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6

7



1
M-2

GROUND FLOOR PLAN - DUCTWORK - DEMOLITION
1/8" = 1'-0"

2
M-2

GROUND FLOOR PLAN - MECHANICAL PIPING - DEMOLITION
1/8" = 1'-0"

HENRY ADAMS

Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026

SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-2	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 20 OF 61	DRAWING NUMBER
2025-2617	FILE NO.: 8

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
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ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
AS-BUILT PER RECORD PRINT	DWN BY: SQN	REVIEWED BY:						FIELD ENGINEER
BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

HUMAN RESOURCES BUILDING

GROUND FLOOR PLAN - MECHANICAL - DEMOLITION

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



DATE: 01/23/2026

1/23/2026 8:17:57 AM



- ① REMOVE VAV BOX, CONTROLS, APPURTENANCES, ASSOCIATED DUCTWORK AND AIR DEVICES.
- ② REMOVE CONCEALED AHU, PIPING, SUPPORTS, CONTROLS, APPURTENANCES, ASSOCIATED DUCTWORK AND AIR DEVICES.
- ③ VALVE AND CAP 3/4" HS/R AT ENDPOINT OF REMOVAL.
- ④ NOT USED.
- ⑤ EX FIRE DAMPER TO REMAIN.
- ⑥ EX 34x20 SA UP & EX 40x20 RA UP.
- ⑦ REMOVE WINDOW A/C UNIT. ELECTRIC HEATER BELOW WINDOW SHALL REMAIN.
- ⑧ EX 28x12 SA UP/DN & EX 34x12 RA UP/DN.
- ⑨ REMOVE HOT WATER FINNED TUBE/UNIT HEATER CONTROL VALVE.

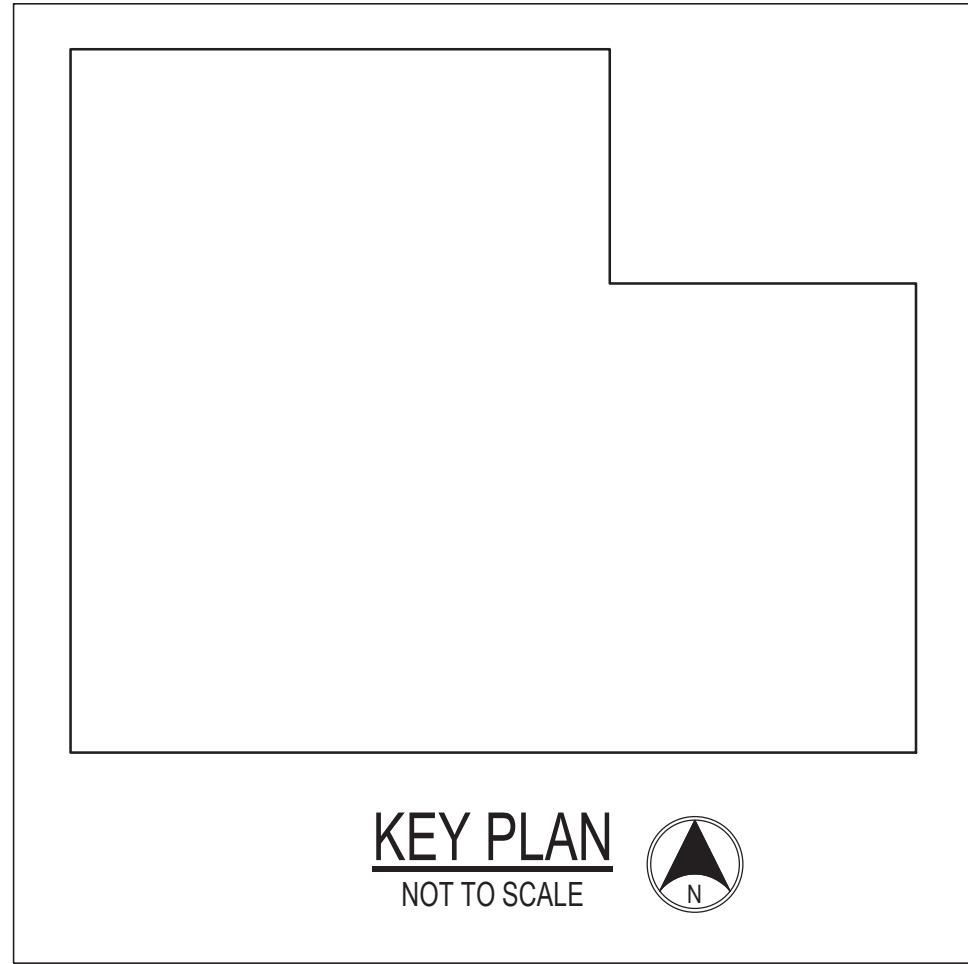
SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST FLOOR PLAN - MECHANICAL - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

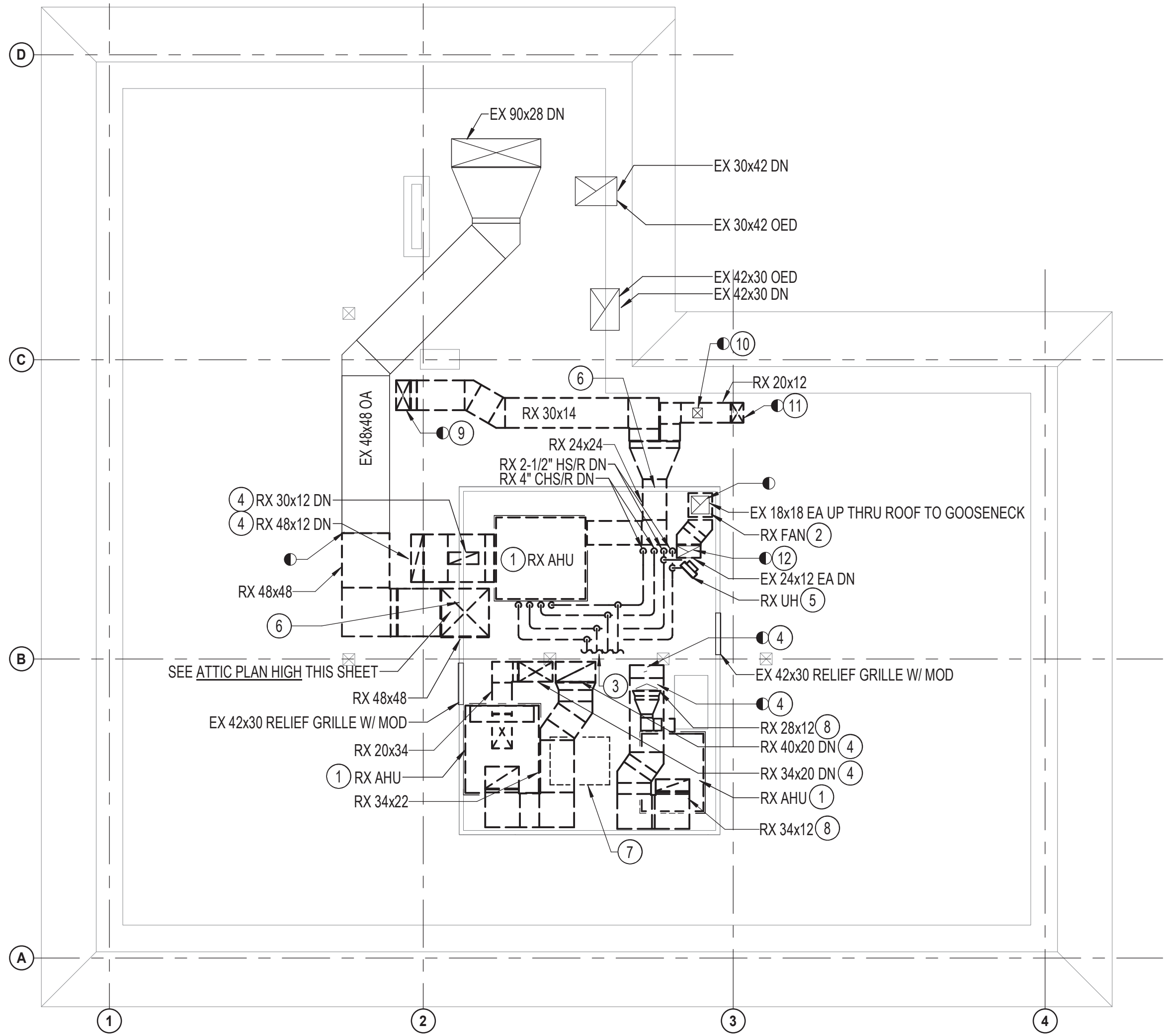
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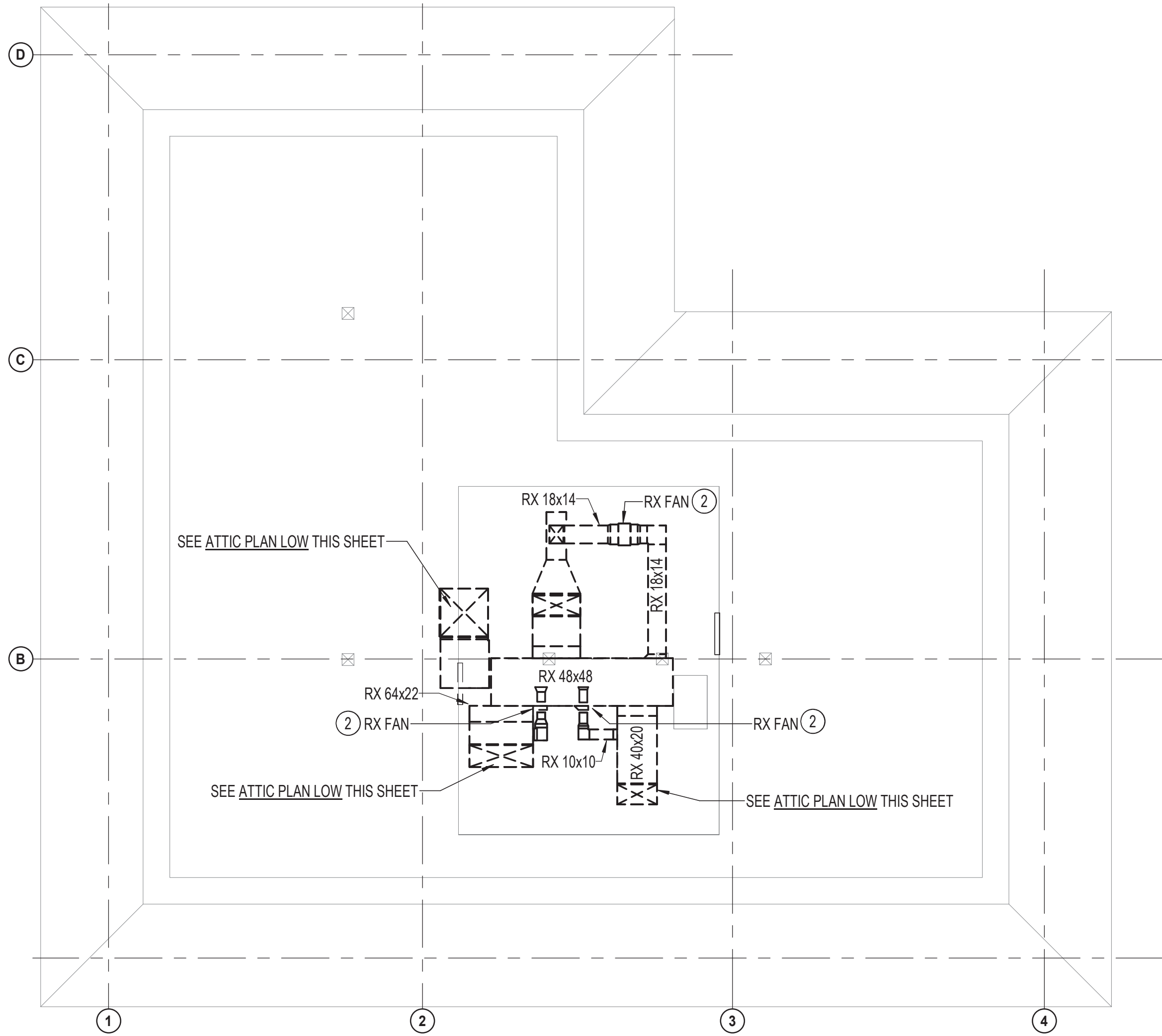
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- SPECIAL NOTES:**
(APPLICABLE TO THIS DRAWING ONLY)
- 1 REMOVE AHU, SUPPORTS, CONTROLS, AND APPURTENANCES. REMOVE DUCT BACK TO LOCATIONS INDICATED. REMOVE CHS/R AND HS/R BACK TO BELOW FLOOR AND VALVE AND CAP. REMOVE EQUIPMENT PAD TO EXTENT REQUIRED FOR NEW WORK.
 - 2 REMOVE FAN, SUPPORTS, CONTROLS, AND APPURTENANCES.
 - 3 REMOVE 2-1/2" HS/R IN ITS ENTIRETY TO AHU'S.
 - 4 REPAIR FLOOR TO MATCH ADJACENT. SEE ARCHITECTURAL FOR MORE INFORMATION.
 - 5 REMOVE UNIT HEATER, PIPING, SUPPORTS, CONTROLS, AND APPURTENANCES.
 - 6 REPAIR WALL TO MATCH ADJACENT. SEE ARCHITECTURAL FOR MORE INFORMATION.
 - 7 EXISTING 5' x 4' ATTIC HATCH.
 - 8 RX 34x12 RA AND RX 28x12 SA BACK TO 6" ABOVE FLOOR TO ALLOW NEW WORK CONNECTION.
 - 9 RX 30x14 SA BACK TO 6" ABOVE FLOOR TO ALLOW NEW WORK CONNECTION.
 - 10 RX 10x10 SA BACK TO 6" ABOVE FLOOR TO ALLOW NEW WORK CONNECTION.
 - 11 RX 20x12 SA BACK TO 6" ABOVE FLOOR TO ALLOW NEW WORK CONNECTION.
 - 12 RX 24x12 SA BACK TO 6" ABOVE FLOOR TO ALLOW NEW WORK CONNECTION.



1 ATTIC PLAN LOW - MECHANICAL - DEMOLITION
1/8" = 1'-0"



2 ATTIC PLAN HIGH - MECHANICAL - DEMOLITION
1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



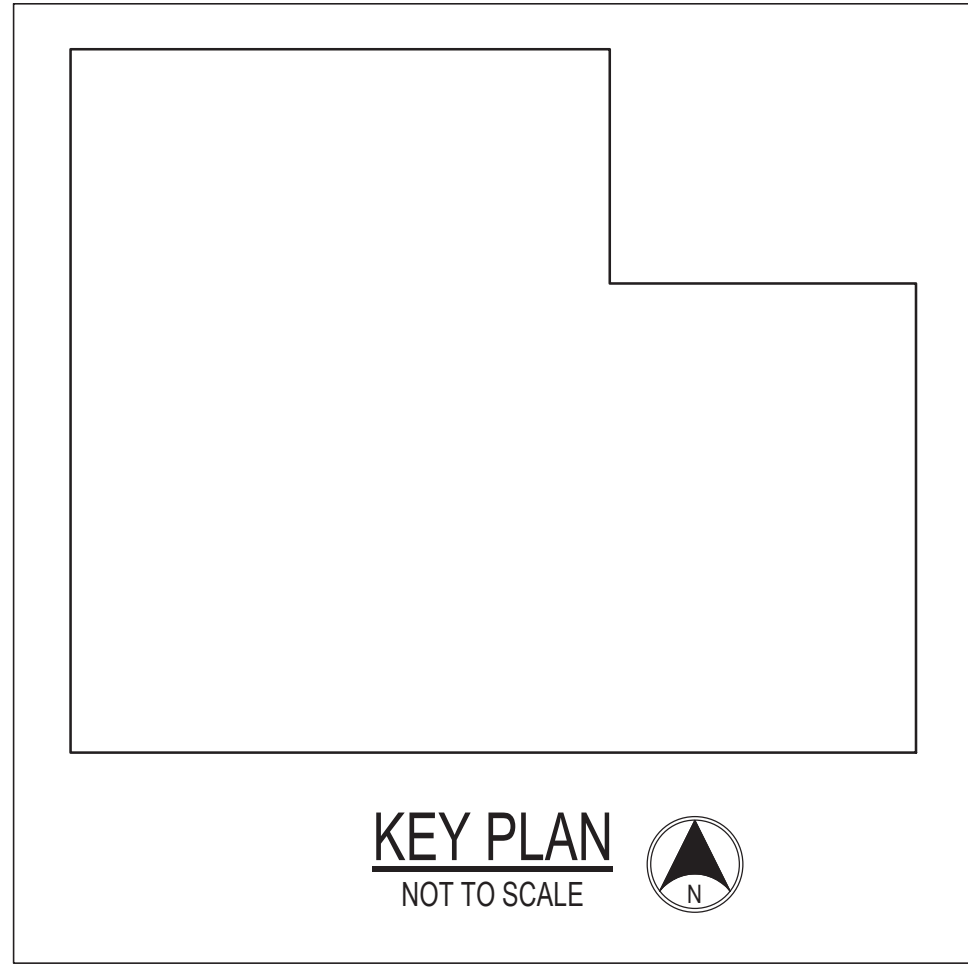
 DATE: 01/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 200470 EXPIRATION DATE: 09/02/2027		CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: _____ PROPERTY MANAGER		
										PROFILE SCALE: _____	DATE: _____		
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: SQN											
BY: _____	CHKD BY: PJP	DATE REVIEWED: _____											
DATE: 01/23/2026													

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT											
HUMAN RESOURCES BUILDING											
ATTIC PLAN - MECHANICAL - DEMOLITION											
HVAC RENOVATION											
308 ALLEGHENY AVE, TOWSON, MD 21204											
SUBDIVISION: TOWSON											
ELECTION DIST. NO.: 9c6											



SHEET DESIGNATION	CONTRACT NUMBER
M-5	25133 P00
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 23 OF 61	
DRAWING NUMBER	
2025-2620	
FILE NO.: 8	

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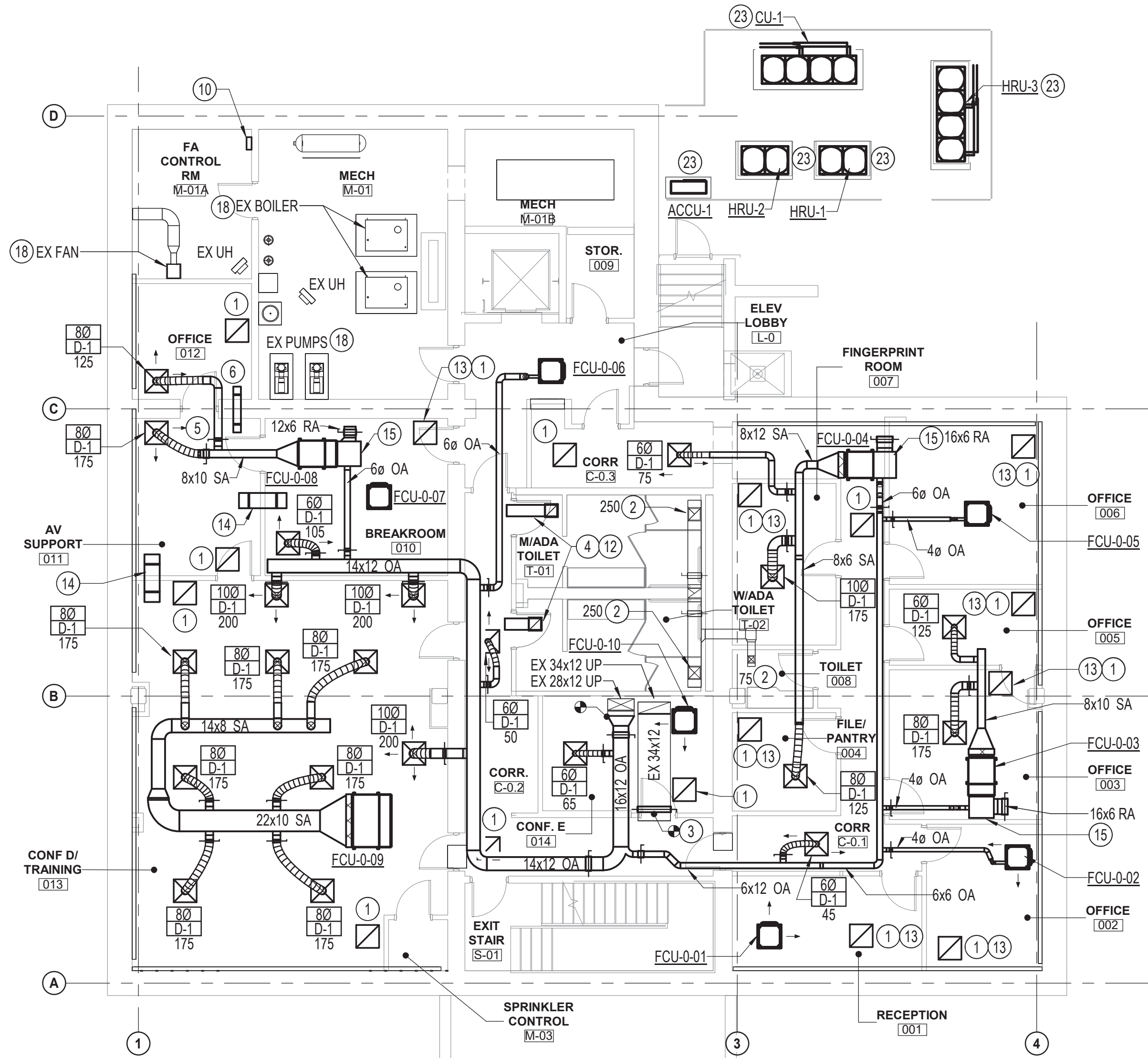


DRAWING NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

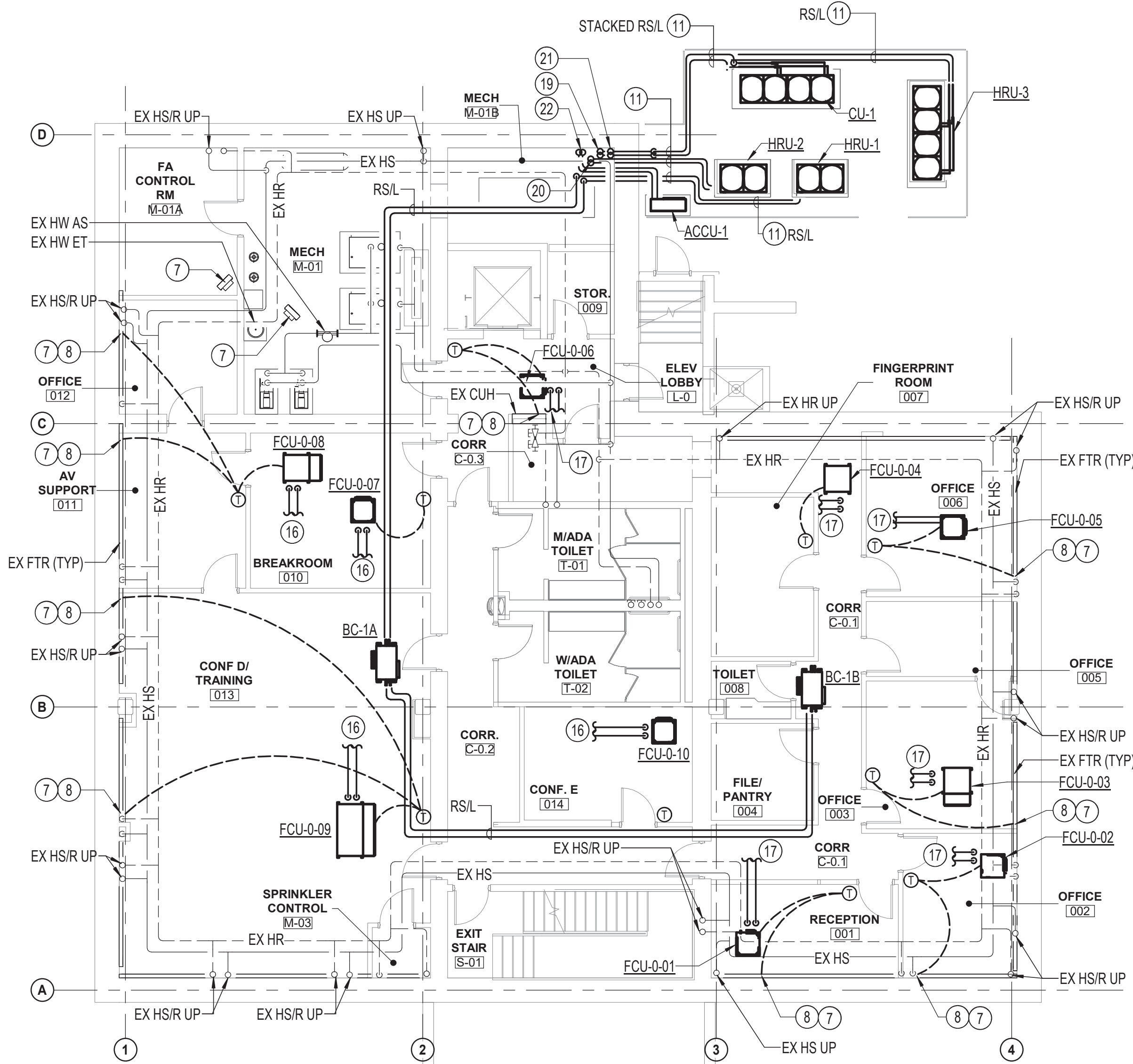
1. IF DIFFUSER RUNOUT IS NOT INDICATED THEN RUNOUT SIZE IS SAME AS THE AIR DEVICE NECK SIZE.
2. PROVIDE FLEXIBLE SUPPLY CONNECTIONS AND 2" MERV 8 RETURN FILTER RACKS AT ALL CONCEALED DUCTED FCU'S.
3. PROVIDE FLEXIBLE CONNECTIONS AT ALL CASSETTE FCU'S WITH OUTDOOR AIR CONNECTIONS.
4. ALL REFRIGERANT PIPING SHALL BE SIZED BY EQUIPMENT MANUFACTURER.

SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

- 1 RETURN GRILLE, G-1.
- 2 BALANCE EXISTING AIR DEVICE TO CFM INDICATED.
- 3 PROVIDE VOLUME DAMPER AND BALANCE TO 500 CFM.
- 4 BLANK OFF EXISTING RESTROOM DOOR LOUVER AIR TIGHT.
- 5 PROVIDE ACCESS FOR VOLUME DAMPERS ABOVE HARD CEILING.
- 6 8x8 SOUND LINED TRANSFER AIR DUCT. DIMENSIONS ARE INTERIOR DUCT DIMENSIONS.
- 7 PROVIDE NEW 2-WAY DDC CONTROL VALVE.
- 8 PROVIDE RELAY KIT TO WIRE FCU T-STAT TO EXISTING FINNED TUBE/UNIT HEATER VALVE.
- 9 NOT USED.
- 10 DOAS-1.2 EMERGENCY SHUTDOWN SWITCH. LOCATE NEAR FIRE ALARM PANEL.
- 11 PROVIDE UNDERMOUNT SUPPORTS FOR REFRIGERANT PIPING.
- 12 12x12 RETURN GRILLE, G-2. PROVIDE SOUND LINED DUCT AND TERMINATE WITH OED AND SCREEN IN CORRIDOR CEILING.
- 13 PROVIDE RETURN GRILLE WITH BOOT. SEE M-12 FOR DETAIL.
- 14 16x10 SOUND LINED TRANSFER AIR DUCT. DIMENSIONS ARE INTERIOR DUCT DIMENSIONS.
- 15 24" LONG INSULATED PLENUM. MATCH WIDTH AND HEIGHT WITH FCU CONNECTION SIZE. BALANCE OA TO SCHEDULED CFM.
- 16 RS/L TO BC-1A SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- 17 RS/L TO BC-1B SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- 18 SEE DRAWING M-16 FOR CONTROLS SCOPE.
- 19 HRU-3 RS/L UP TO SECOND FLOOR.
- 20 HRU-2 RS/L UP TO FIRST FLOOR.
- 21 CU-1 RS/L UP TO ATTIC.
- 22 ACCU-1 RS/L UP TO FIRST FLOOR.
- 23 MOUNT ON 4" HOUSEKEEPING PAD.



1
M-6 1/8" = 1'-0"



2
M-6 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-6	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 24 OF 61	DRAWING NUMBER
2025-2621	FILE NO.: 8

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. 200470 EXPIRATION DATE: 09/02/2027	CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ DATE: _____
ENGINEER: PETER PUSZCZ DGN BY: DJV DIVN BY: SQN AS-BUILT PER RECORD PRINT BY: _____ DATE: _____	BUREAU OF ENGINEERING AND CONSTRUCTION TRAFFIC HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER	REVIEWED BY: _____ DATE REVIEWED: _____						

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND FLOOR PLAN - MECHANICAL - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



1/23/2026 8:18:12 AM



- ① RETURN GRILLE, G-1.
- ② 6 FT LONG D-3 WITH 12Ø INLET AND (4) 1" SLOTS. BALANCE TO CFM INDICATED.
- ③ 6 FT LONG D-3 WITH 8Ø INLET AND (4) 1" SLOTS. BALANCE TO CFM INDICATED.
- ④ 4 FT LONG D-3 WITH 12Ø INLET AND (4) 1" SLOTS. BALANCE TO CFM INDICATED.
- ⑤ 4 FT LONG D-3 WITH 10Ø INLET AND (3) 1" SLOTS. BALANCE TO CFM INDICATED.
- ⑥ 24" LONG BY 12" DEEP INSULATED PLENUM. WIDTH SHALL MATCH FCU CONNECTION SIZE. BALANCE QA TO SCHEDULED CFM. PROVIDE OED W/ VOLUME DAMPER ON RETURN AND SIZE AS INDICATED ON PLANS.
- ⑦ CONTRACTOR SHALL VERIFY EXISTING FIRE DAMPER SIZE AND COORDINATE DUCT TRANSITION. PROVIDE INSULATED ACCESS PANEL IN DUCT.
- ⑧ BALANCE EXISTING AIR DEVICE TO CFM INDICATED.
- ⑨ BLANK OFF EXISTING RESTROOM DOOR LOUVER AIR TIGHT. TYPICAL MENS AND WOMENS.
- ⑩ 12x12, RETURN GRILLE, G-2.
- ⑪ BALANCE VOLUME DAMPER TO 350 CFM.

- ⑫ 12x12 SOUND LINED TRANSFER AIR DUCT. DIMENSIONS ARE INTERIOR DUCT DIMENSIONS. TERMINATE WITH OED AND SCREEN.
- ⑬ PROVIDE RELAY KIT TO WIRE FCU T-STAT TO EXISTING FINNED TUBE/CUH VALVE.
- ⑭ RS/L TO BC-2A. SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- ⑮ RS/L TO BC-2B. SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- ⑯ PROVIDE RETURN GRILLE WITH BOOT. SEE M-12 FOR DETAIL.
- ⑰ PROVIDE NEW 2-WAY DDC CONTROL VALVE.
- ⑱ HRU-3 RS/L UP/DN.
- ⑲ HRU-2 RS/L DN.
- ⑳ CU-1 RS/L UP/DN.
- ㉑ ACCU-1 RS/L DN.
- ㉒ ABANDONED IN PLACE.



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-7	25133 PO0
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 25 OF 61
	DRAWING NUMBER
	2025-2622
	FILE NO. : 8

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DATE: 01/23/2026

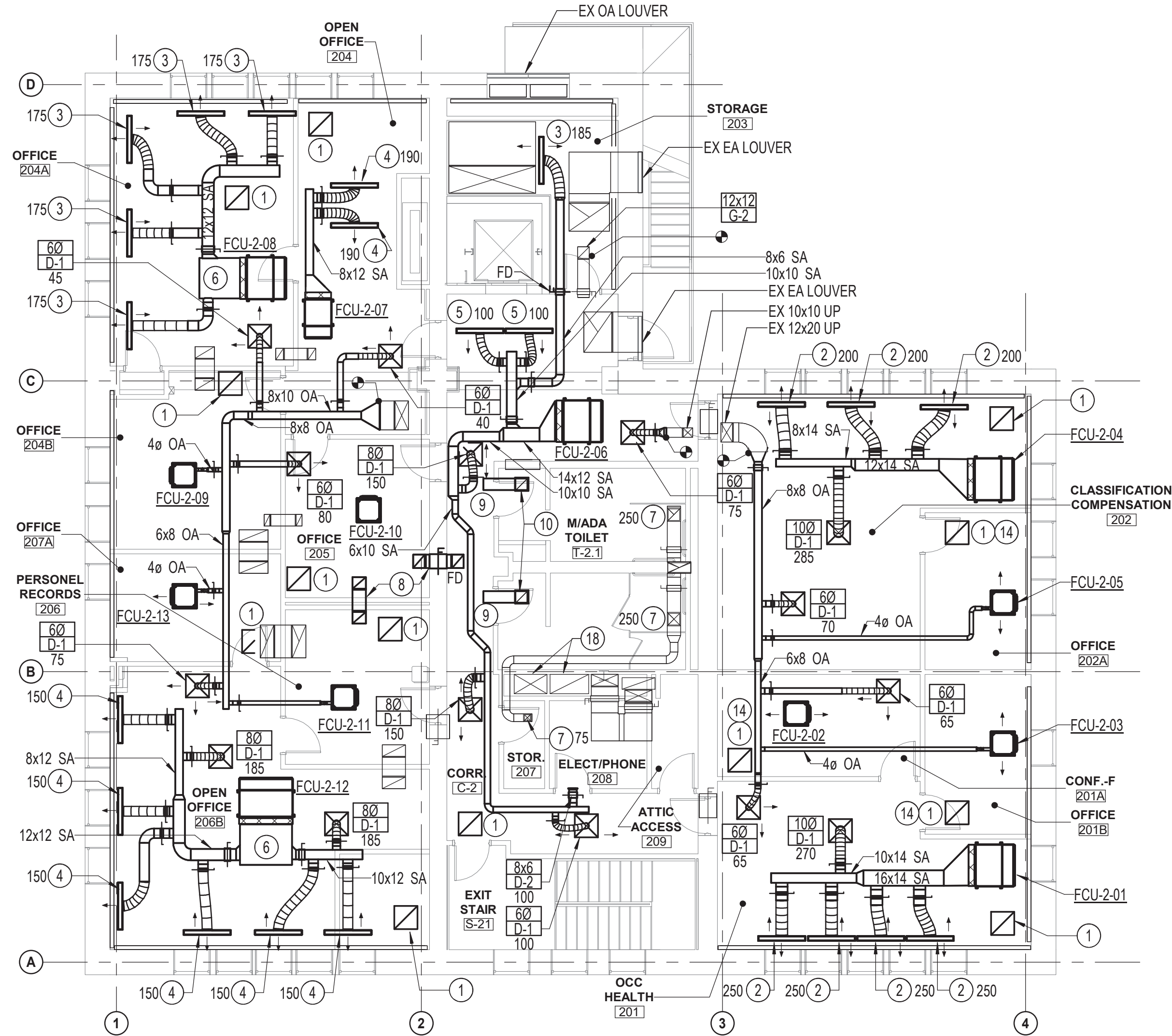
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											PROFILE SCALE:			
				ENGINEER: <u>PETER PUSZCZ</u>				DGN BY: <u>DJV</u>		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES
AS-BUILT PER RECORD PRINT				DWN BY: <u>SON</u>		REVIEWED BY:								
BY: _____ DATE: _____				CHKD BY: <u>PJP</u>		DATE REVIEWED:								

SUBDIVISION: TOWSON

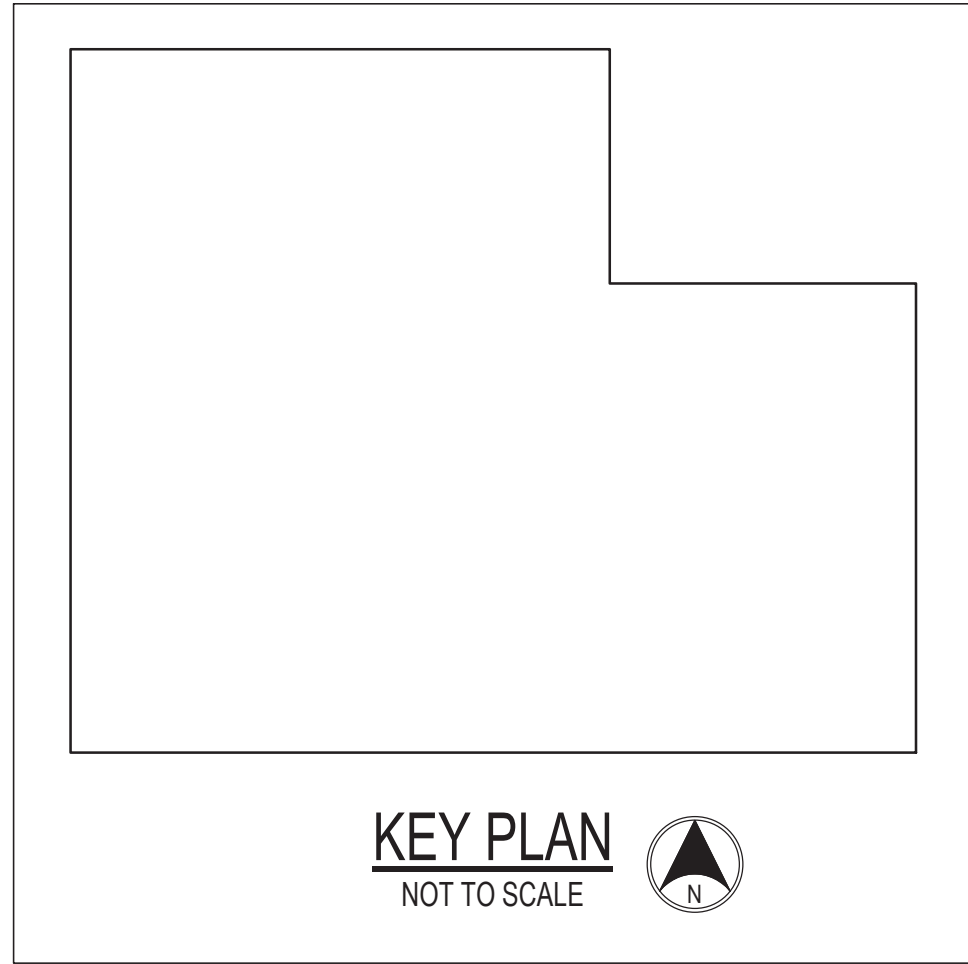
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST FLOOR PLAN - MECHANICAL - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE. TOWSON, MD 21204



ELECTION DIST. NO.: 9c6



14 PROVIDE RETURN GRILLE WITH BOOT. SEE M-12 FOR DETAILS.
 15 PROVIDE NEW 2-WAY DDC CONTROL VALVE.
 16 HRU-3 RS/L DN.
 17 CU-1 RS/L UP/DN.
 18 DUCT ABANDONED IN PLACE.

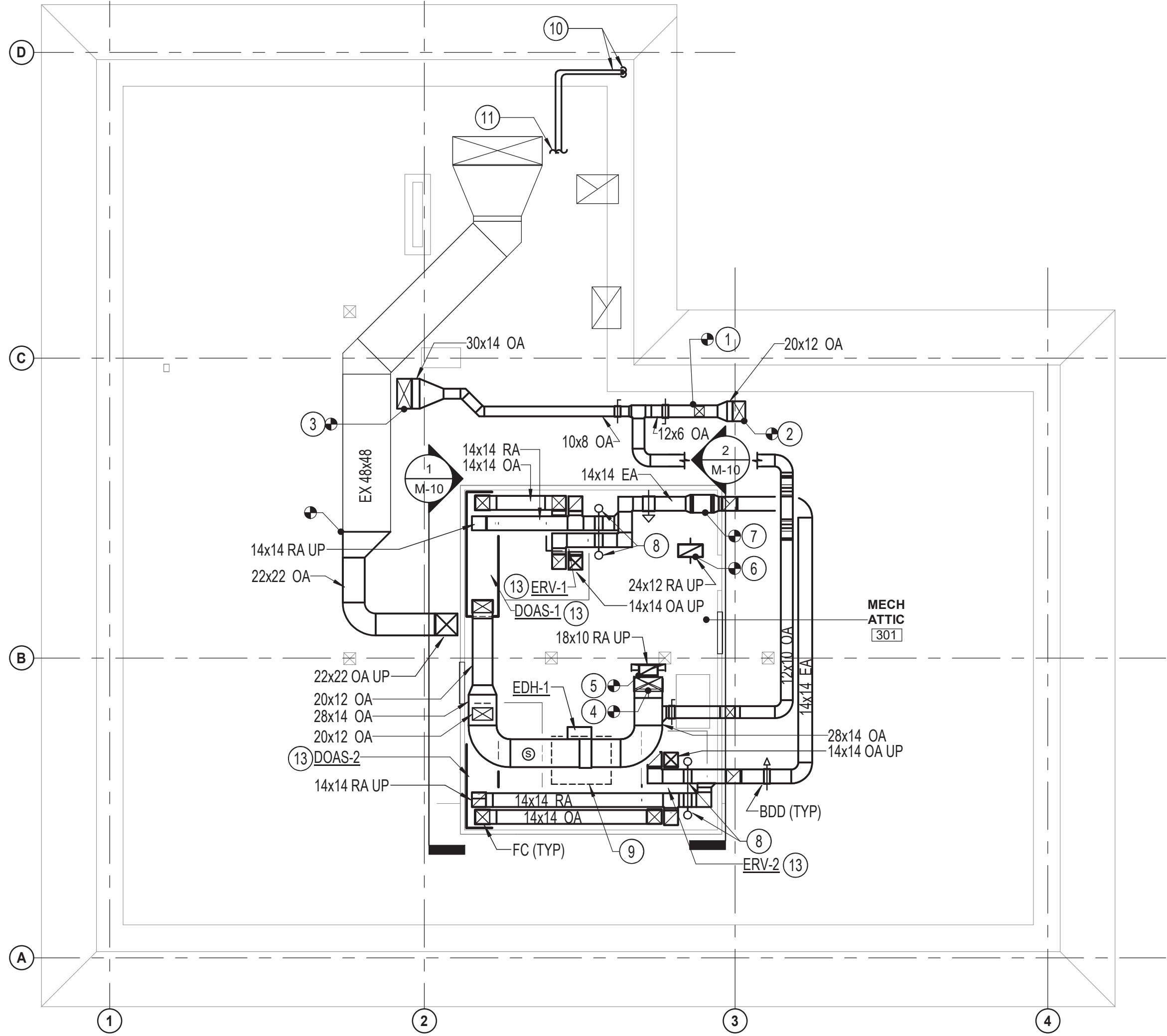


DRAWING NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

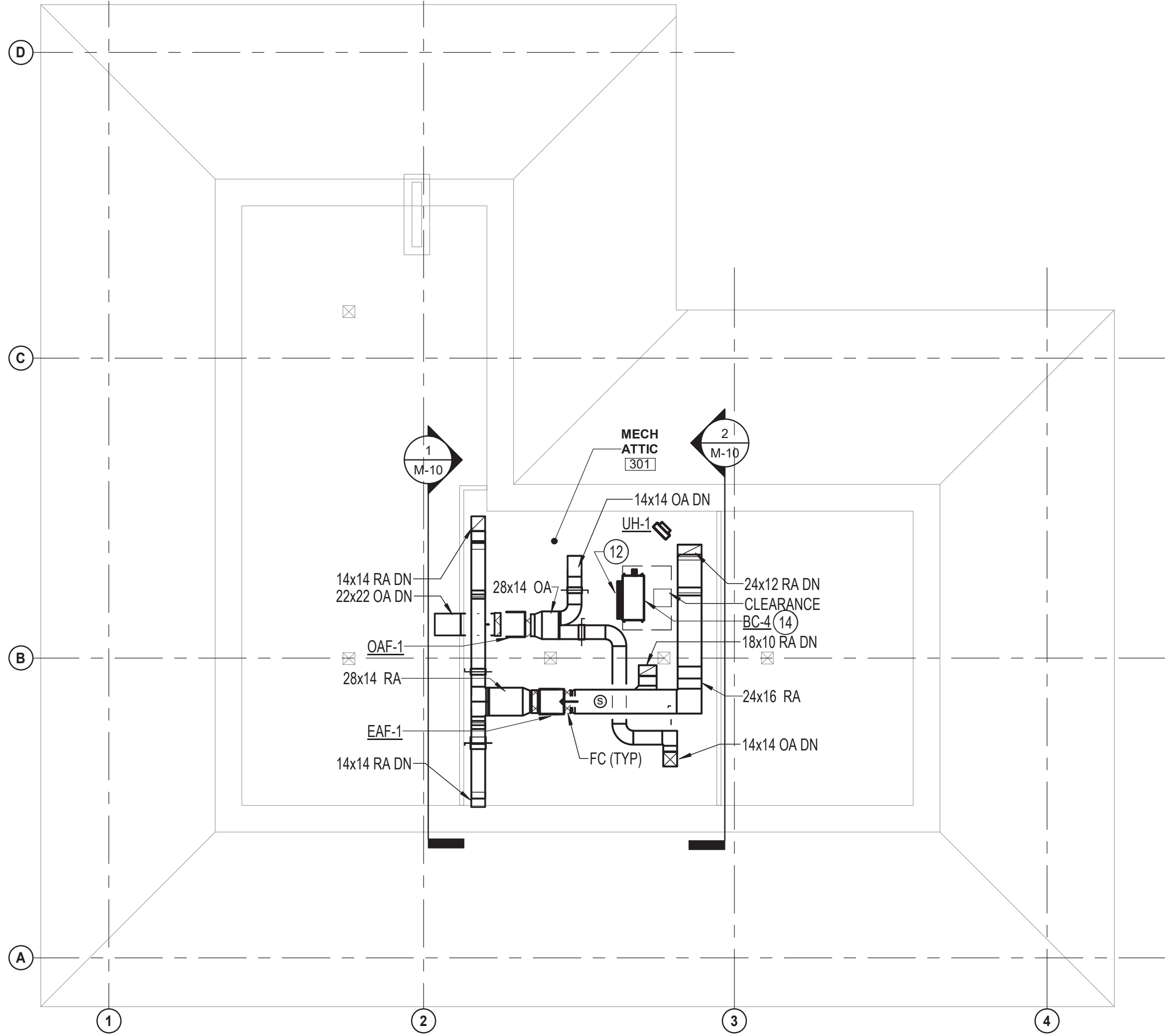
1. SEE SECTIONS, 3D REPRESENTATIONS, AIRFLOW DIAGRAM AND AUTOMATIC TEMPERATURE CONTROL DRAWINGS FOR ALL DAMPER REQUIREMENTS NOT SHOWN ON THIS PLAN.
2. ALL REFRIGERANT PIPING SHALL BE SIZED BY EQUIPMENT MANUFACTURER.

SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

- ① CONNECT TO EXISTING 10x10 SA DN.
- ② CONNECT TO EXISTING 20x12 SA DN.
- ③ CONNECT TO EXISTING 30x14 SA DN.
- ④ CONNECT TO EXISTING 28x12 SA DN.
- ⑤ CONNECT TO EXISTING 34x12 RA DN.
- ⑥ CONNECT TO EXISTING 24x12 RA DN.
- ⑦ CONNECT TO EXISTING 18x18 EA UP.
- ⑧ ECONOMIZER BYPASS DAMPERS. SEE ATC DRAWING FOR MORE INFORMATION.
- ⑨ EXISTING 5' x 4' ATTIC HATCH.
- ⑩ CU-1 RS/L DN.
- ⑪ CU-1 RS/L TO BC-4.
- ⑫ RS/L FROM BC-4 TO DOAS-1 AND DOAS-2.
- ⑬ MOUNT ON EXISTING HOUSE KEEPING PAD. EXTEND PAD AS NEEDED.
- ⑭ SUPPORT FROM STRUCTURE ABOVE APPROX 7'6" AFF.



1 ATTIC PLAN LOW - MECHANICAL - NEW WORK
1/8" = 1'-0"



2 ATTIC PLAN HIGH - MECHANICAL - NEW WORK
1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-9	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 27 OF 61	
DRAWING NUMBER	2025-2624
FILE NO.:	8

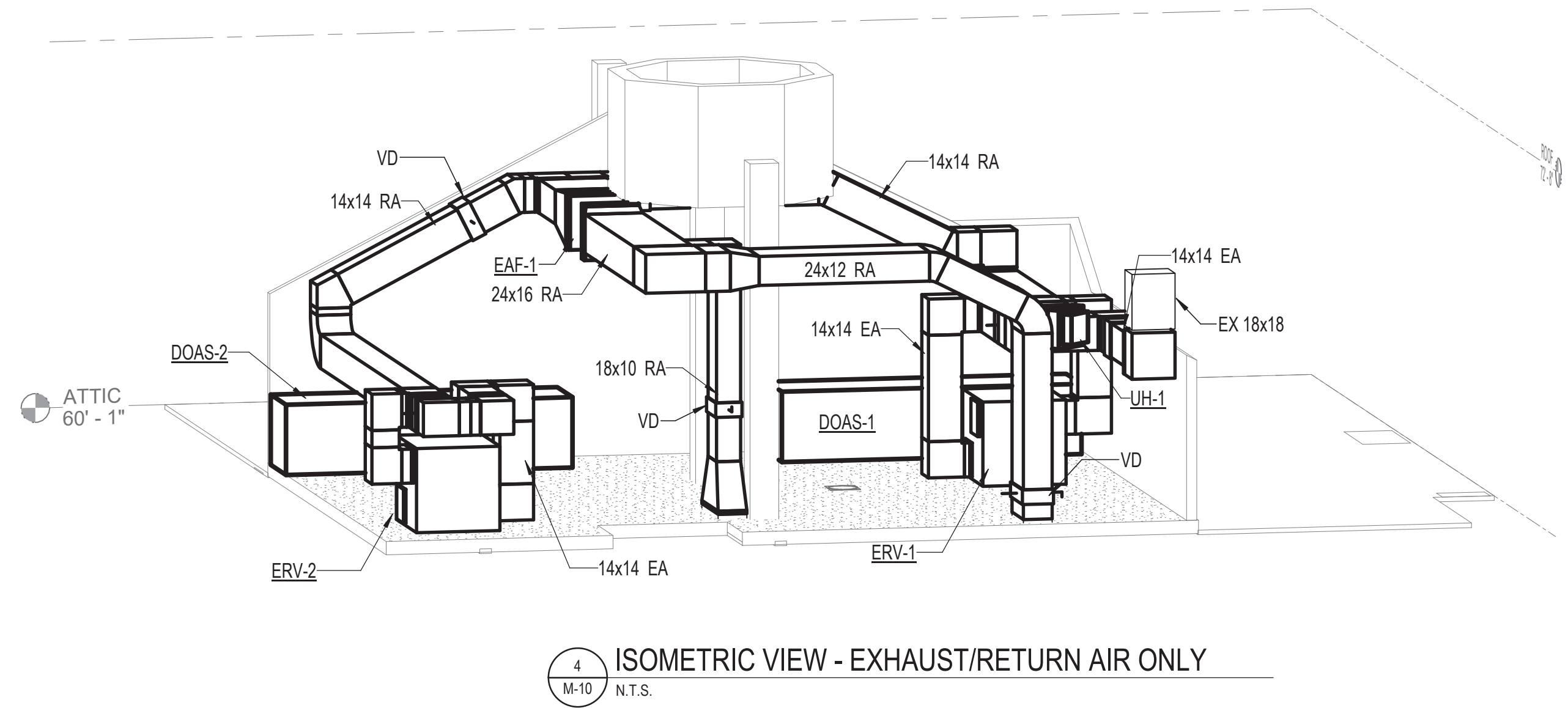
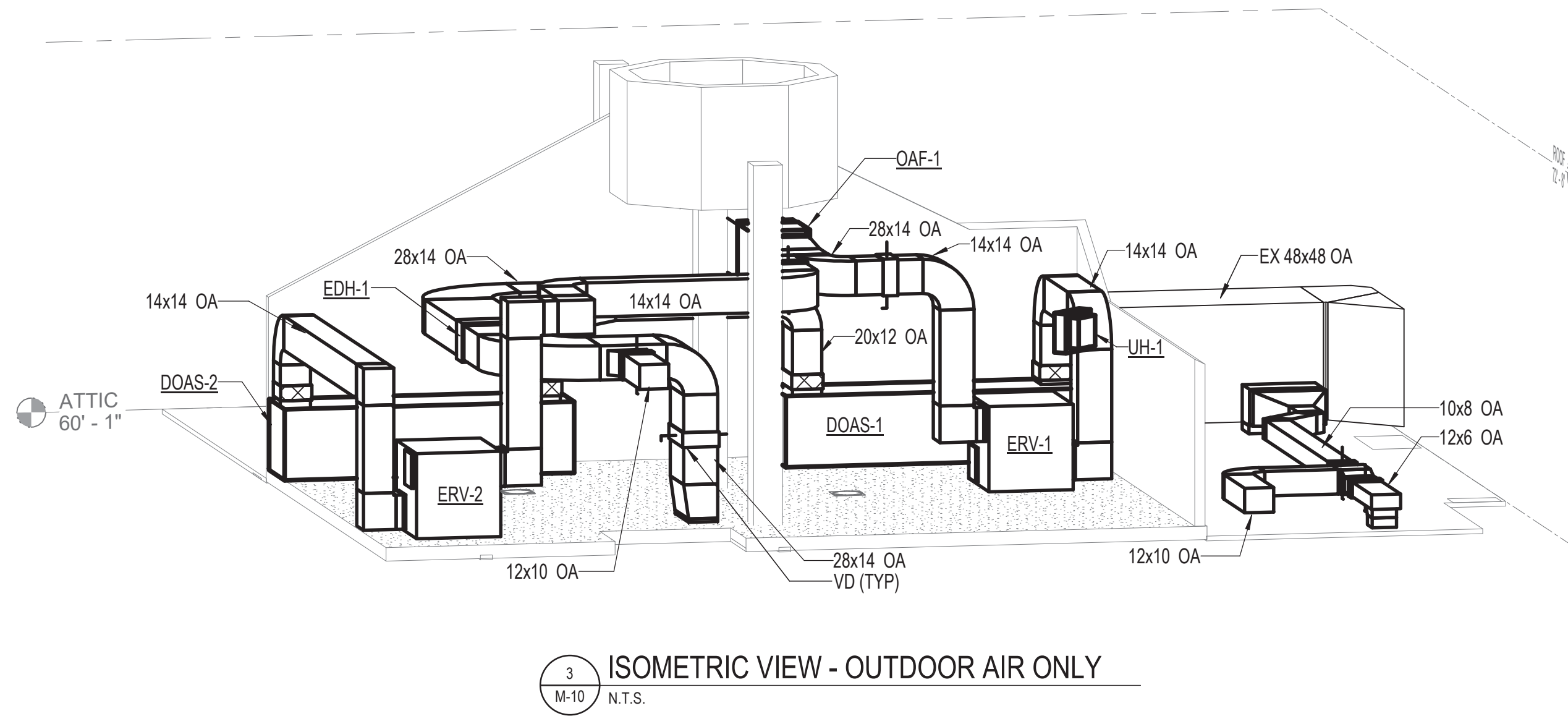
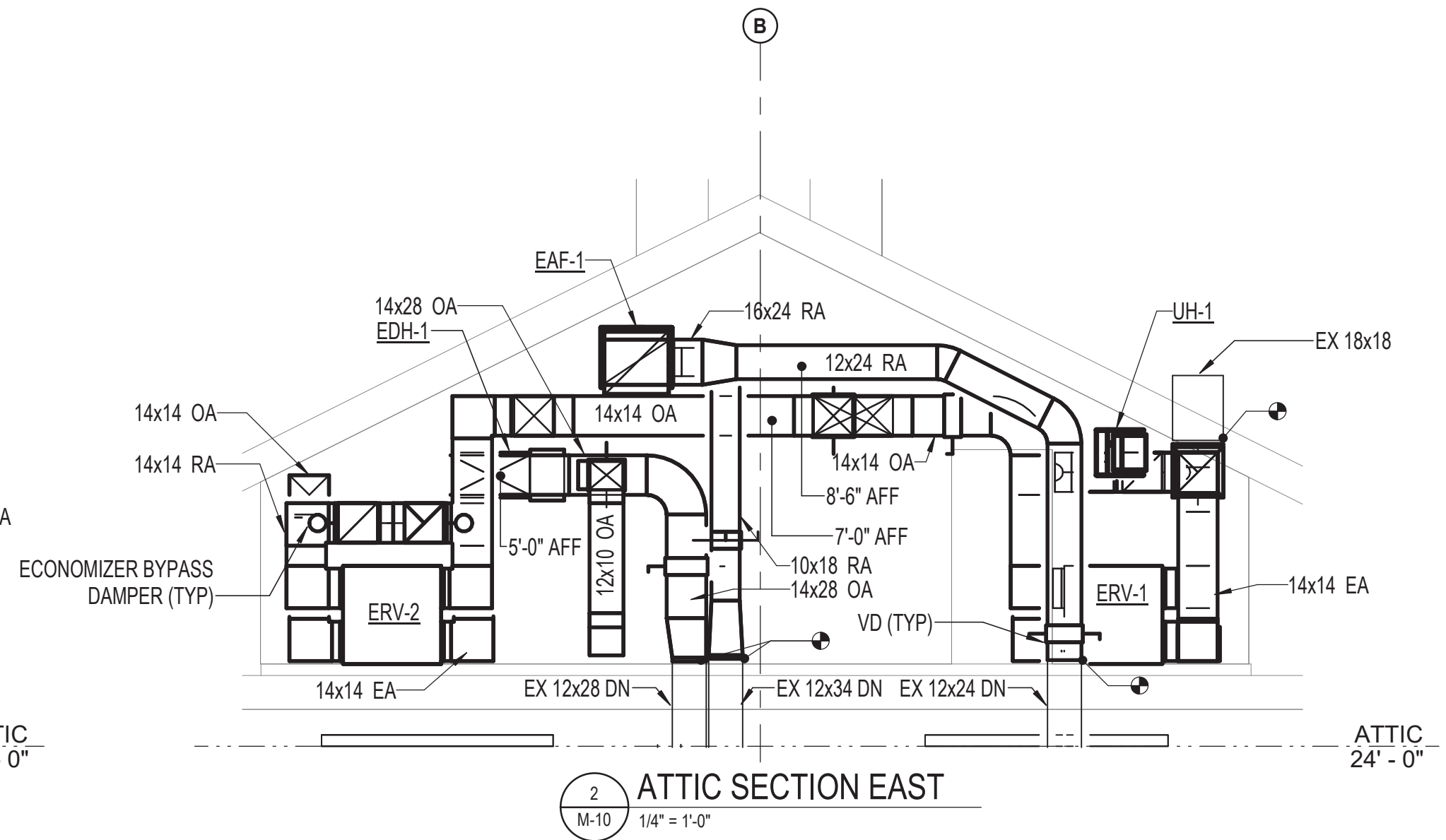
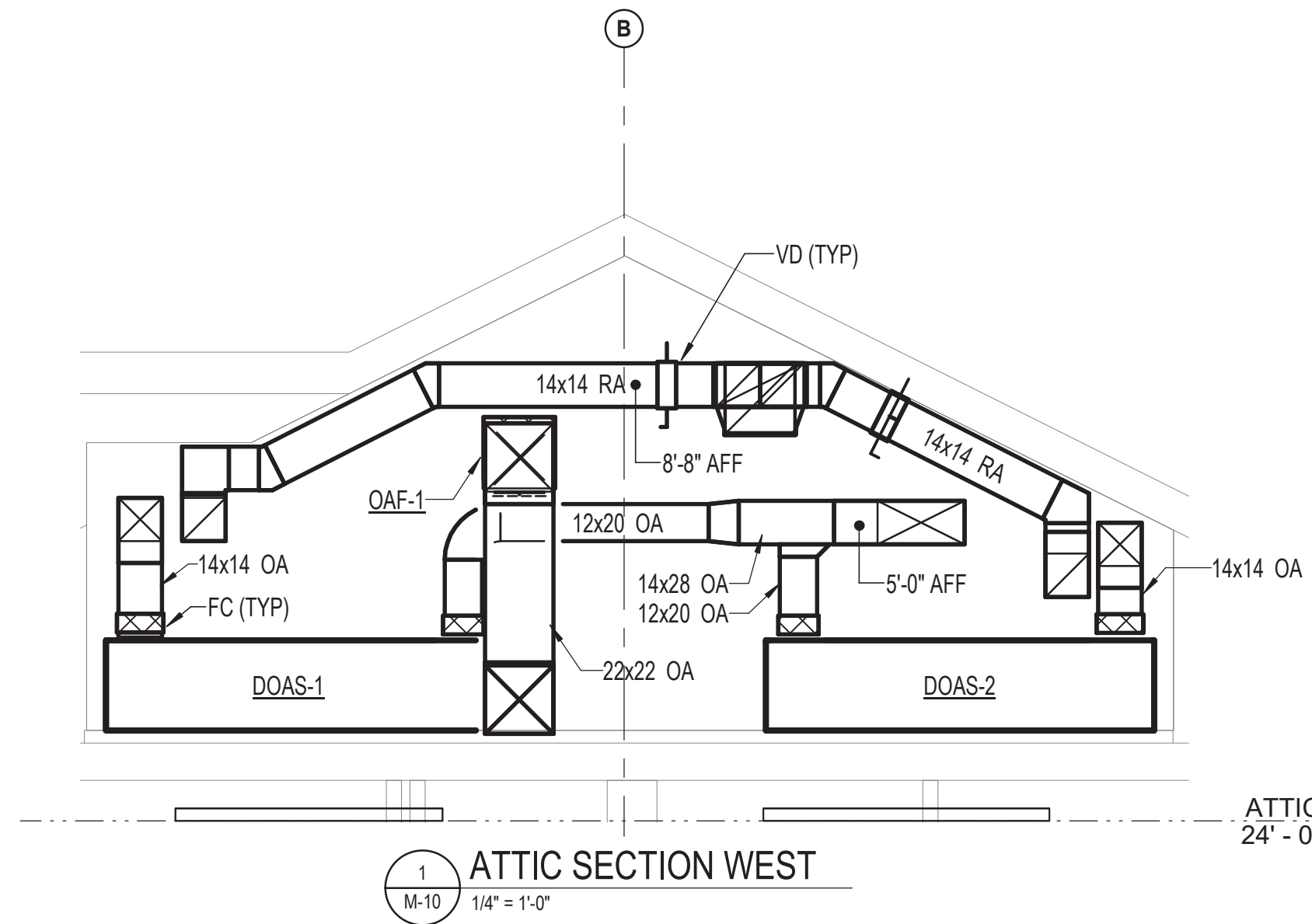
	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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										PROFILE SCALE: _____	DATE: _____		
	ENGINEER: PETER.PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: SQN	REVIEWED BY:										
BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:											
DATE: 01/23/2026													

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ATTIC PLAN - MECHANICAL - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



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Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
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SHEET DESIGNATION	CONTRACT NUMBER
M-10	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 28 OF 61	DRAWING NUMBER
2025-2625	FILE NO.: 8



 DATE: 01/23/2026	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. 200470 EXPIRATION DATE: 09/02/2027			CONTRACT COMPLETION BOX					R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/4" = 1'-0"	1/4" = 1'-0"	APPROVED BY: _____ DATE: _____	PROPERTY MANAGER _____
	ENGINEER: PETER PUSZCZ			BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT			DWN BY: DJV		REVIEWED BY:									
	BY: _____ DATE: _____			CHKD BY: PJP		DATE REVIEWED:									



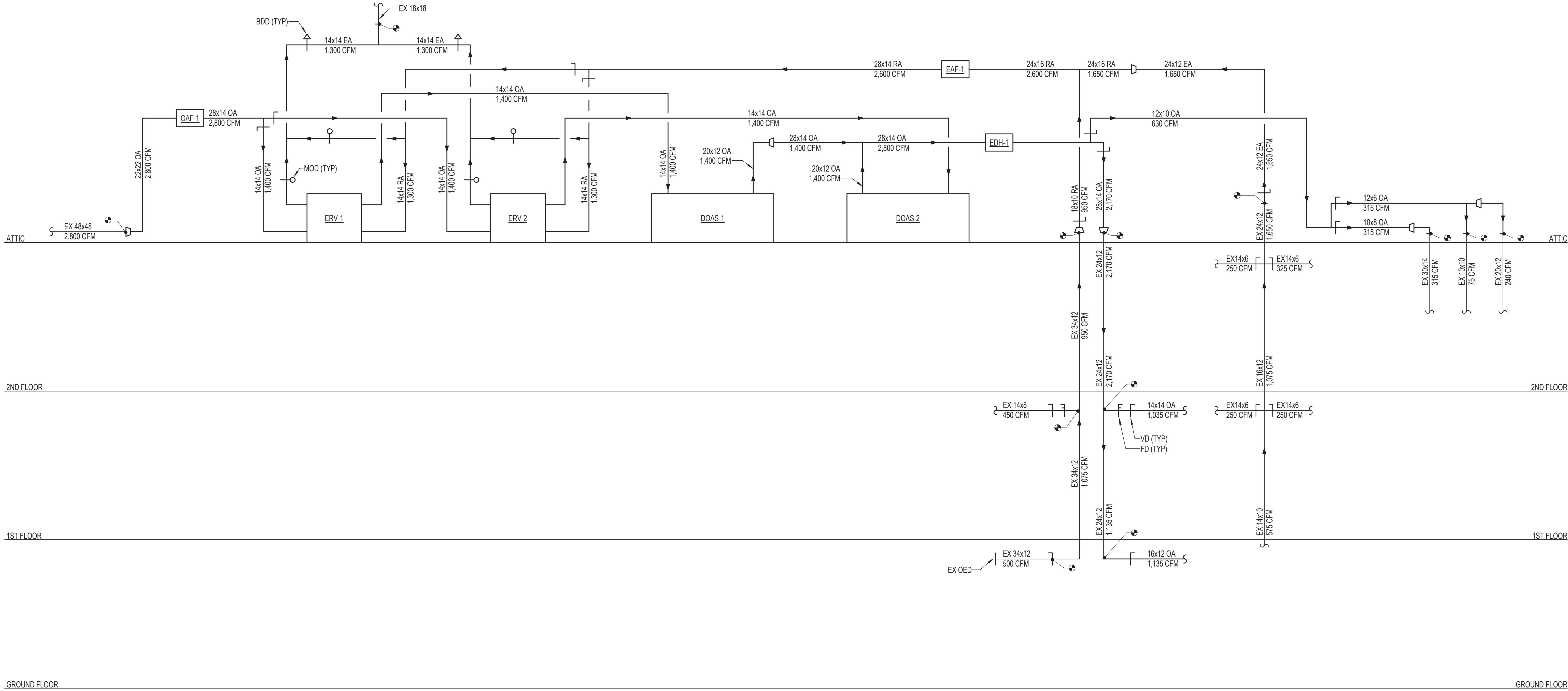
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SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
MECHANICAL SECTIONS & ISOMETRIC VIEWS
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

1/23/2026 8:17:46 AM



HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-11	25133 PO0
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 29 OF 61	
DRAWING NUMBER	
2025-2626	
FILE NO.: 8	



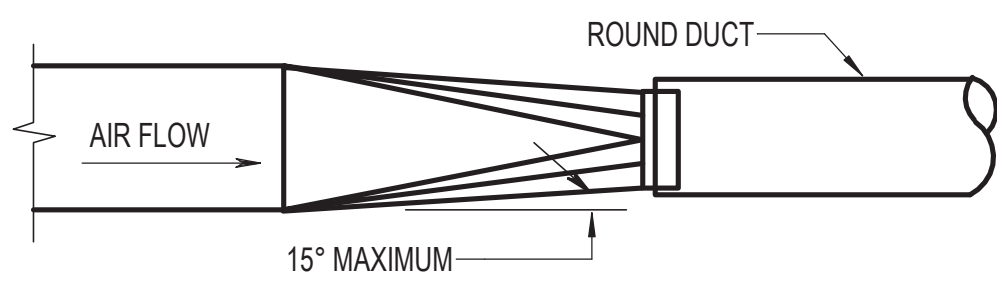
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	ENGINEER: PETER PUSZCZ		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	DATE:	
	AS-BUILT PER RECORD PRINT		REVIEWED BY:										
	BY: DATE:		CHKD BY: PJP		DATE REVIEWED:								

SUBDIVISION: TOWSON

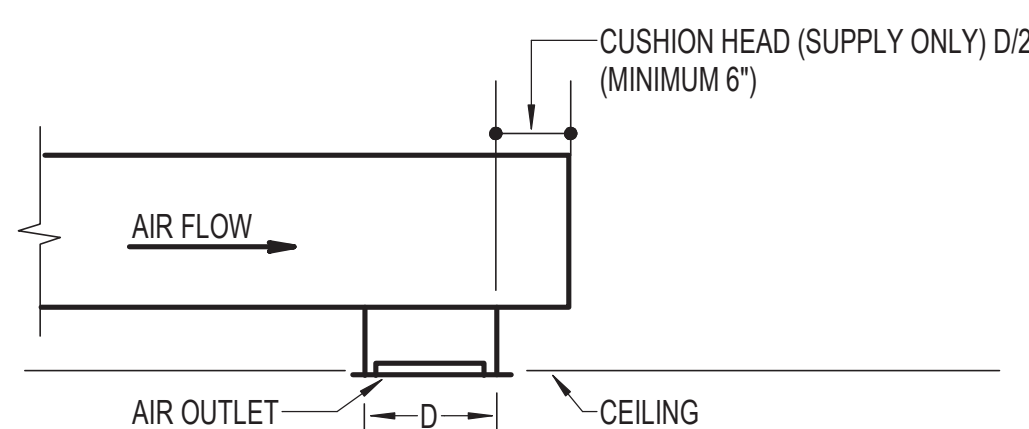
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
AIRFLOW DIAGRAM
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

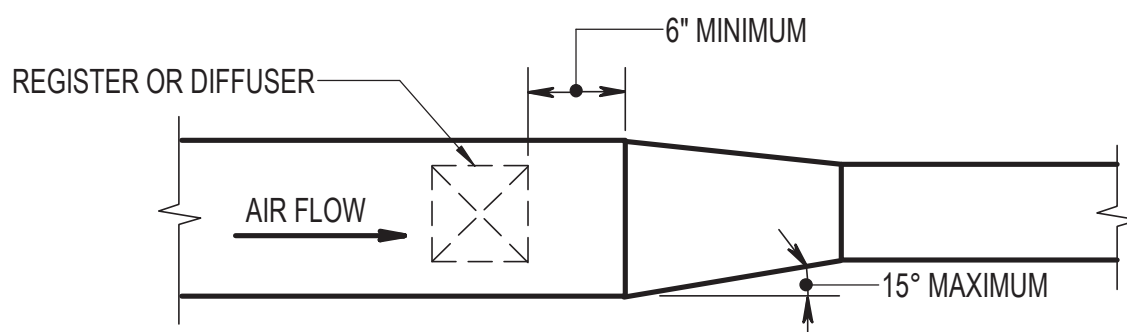
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1. FOR AIR FLOW IN OPPOSITE DIRECTION, TRANSITION COLLAR SHALL OVERLAP EXTERIOR OR ROUND DUCT.

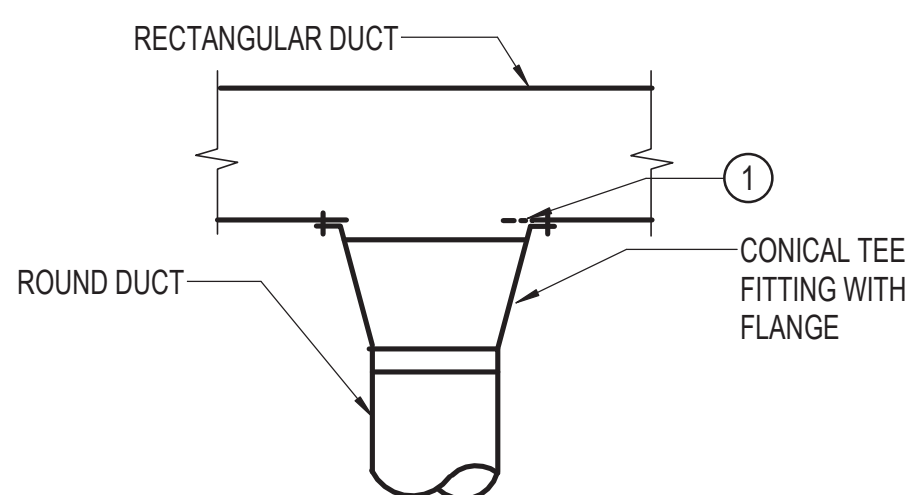


1. AIR FLOW IS REVERSE FOR RETURN AND EXHAUST.



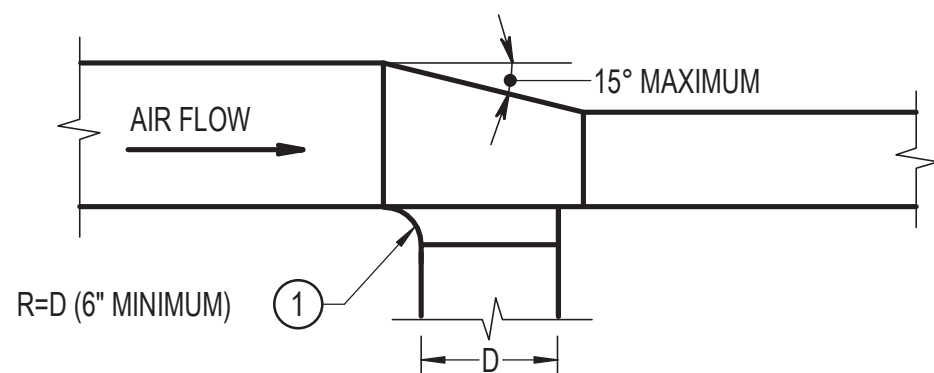
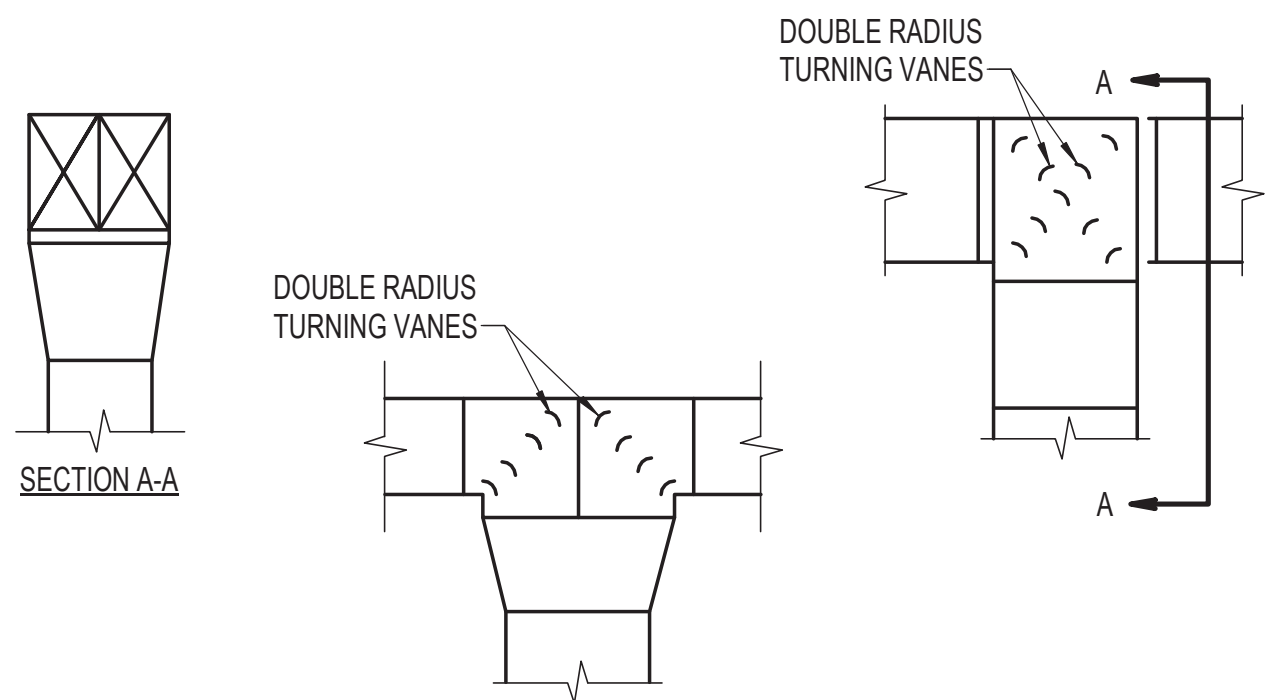
1. SAME FOR RETURN AND EXHAUST DUCTS EXCEPT AIR FLOW IS REVERSED.

OUTLET LOCATED AT END OF RUN



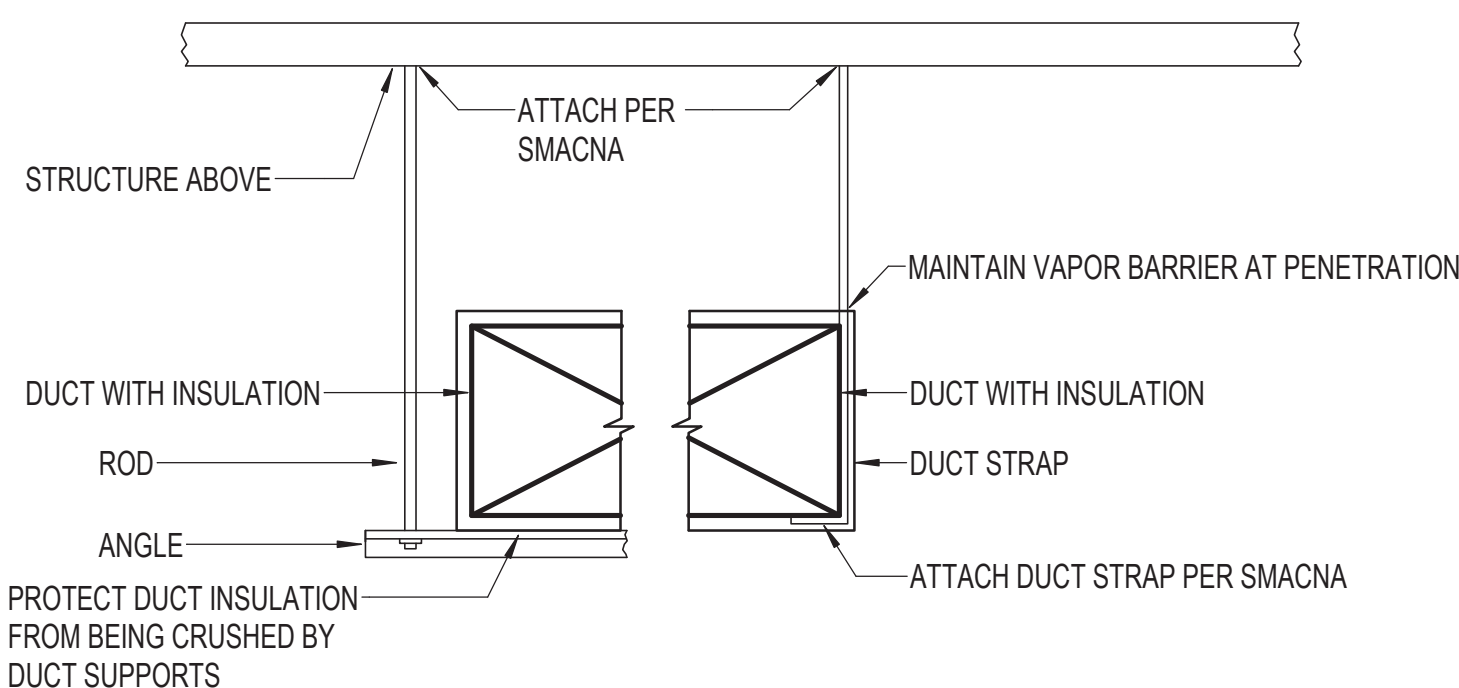
1. DO NOT USE 45° TAP FITTINGS EXCEPT WHERE TIGHT CONDITION PREVENTS USE OF OTHER FITTINGS INDICATED.

① CUT HOLE IN RECTANGULAR DUCT LARGE ENOUGH SO THAT ROUGH METAL EDGE DOES NOT PROJECT INTO AIR STREAM.



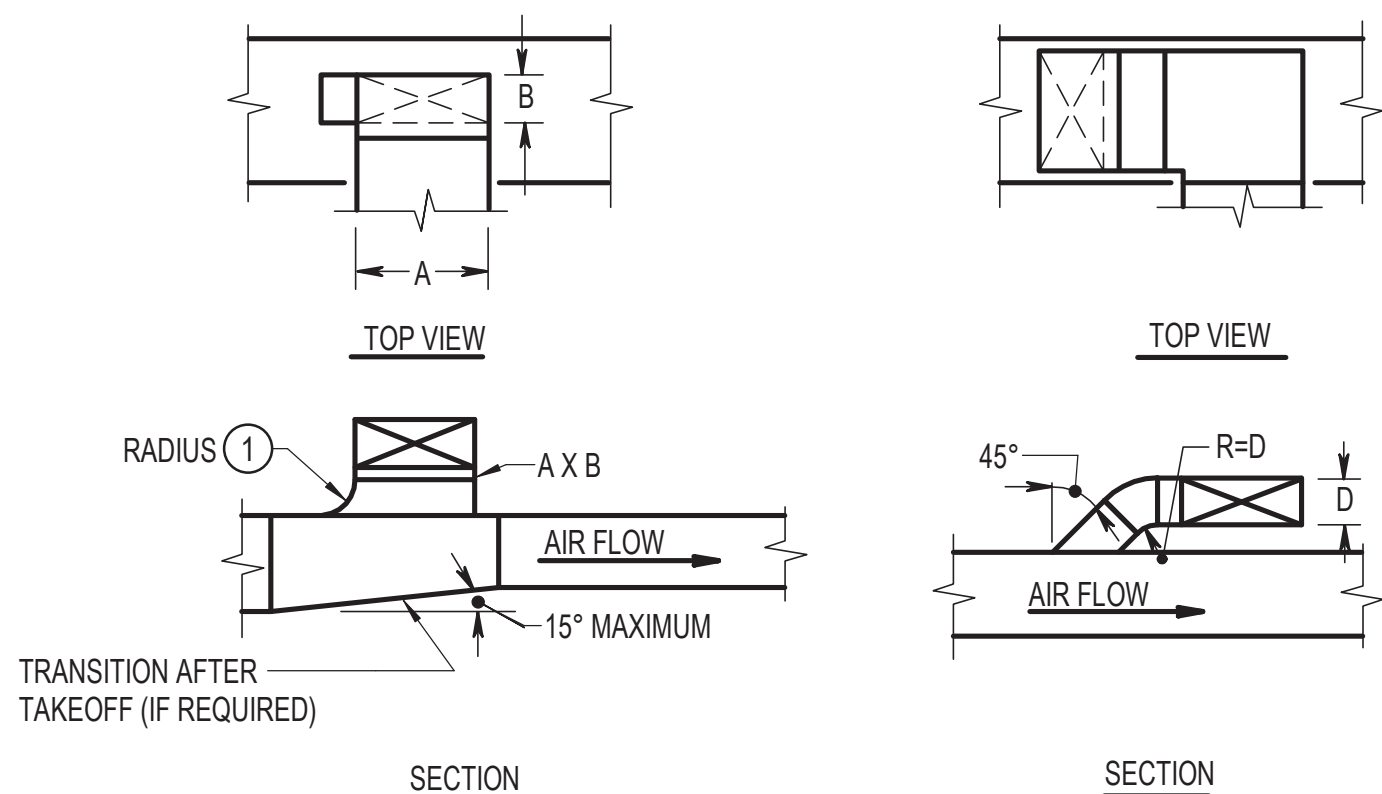
1. SEE SMACNA MANUAL FOR METHODS OF SECURING TAP-OFF CONNECTION TO MAIN.
2. SAME FOR RETURN AND EXHAUST DUCTS EXCEPT AIR FLOW IS REVERSED.

① 45° TAP PERMITTED FOR DUCTWORK RATED 2" W.G. OR LESS.



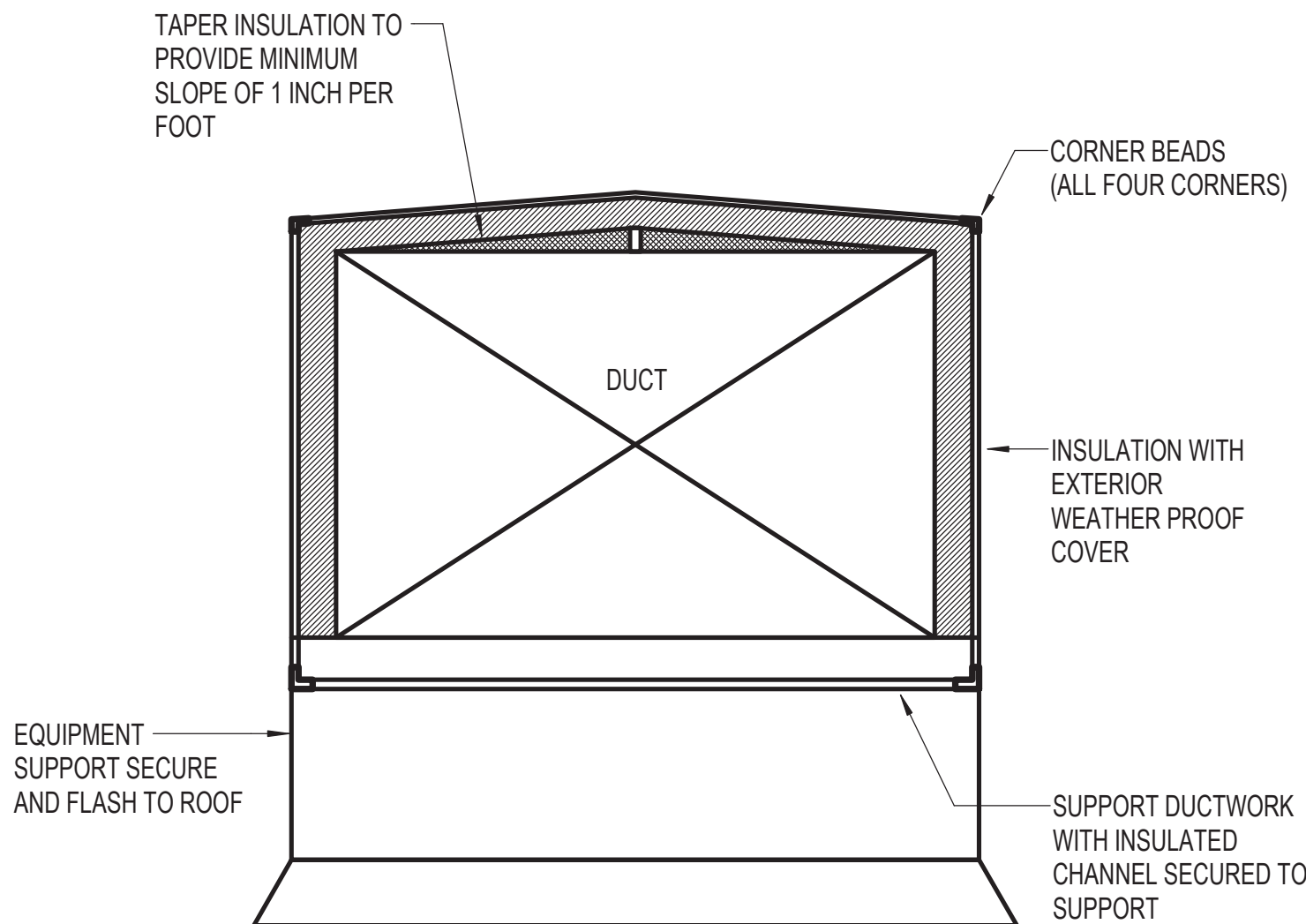
1. REFER TO SMACNA FOR ADDITIONAL HANGERS AND SUPPORTS

DUCT SPLITS



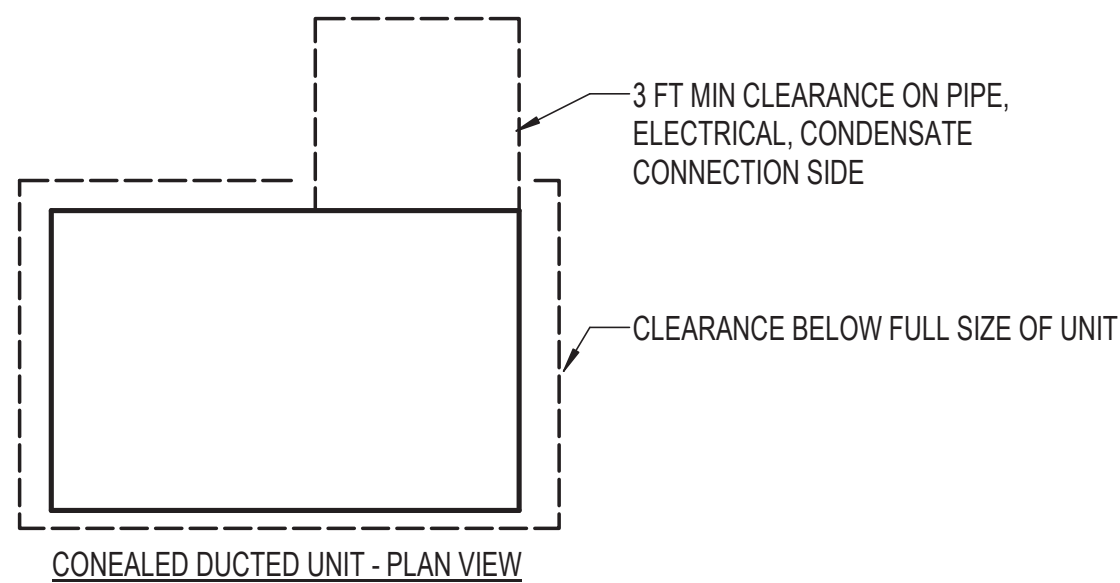
1. BOTTOM TAKEOFFS SIMILAR.
2. SAME FOR RETURN AND EXHAUST DUCTS EXCEPT AIR FLOW IS REVERSED

① 45° TAP PERMITTED FOR DUCTWORK RATED 2" W.G. OR LESS.

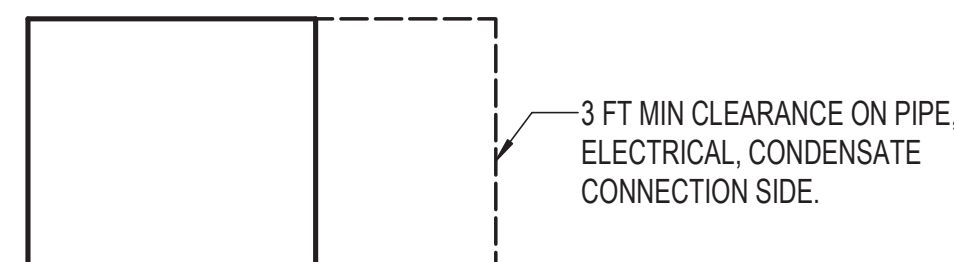


1. CONSTRUCT AND SECURE DUCTWORK TO SUPPORT 30 PSF SNOW LOAD AND 20 PSF LATERAL WIND LOAD. SUBMIT CALCULATIONS INDICATING COMPLIANCE.

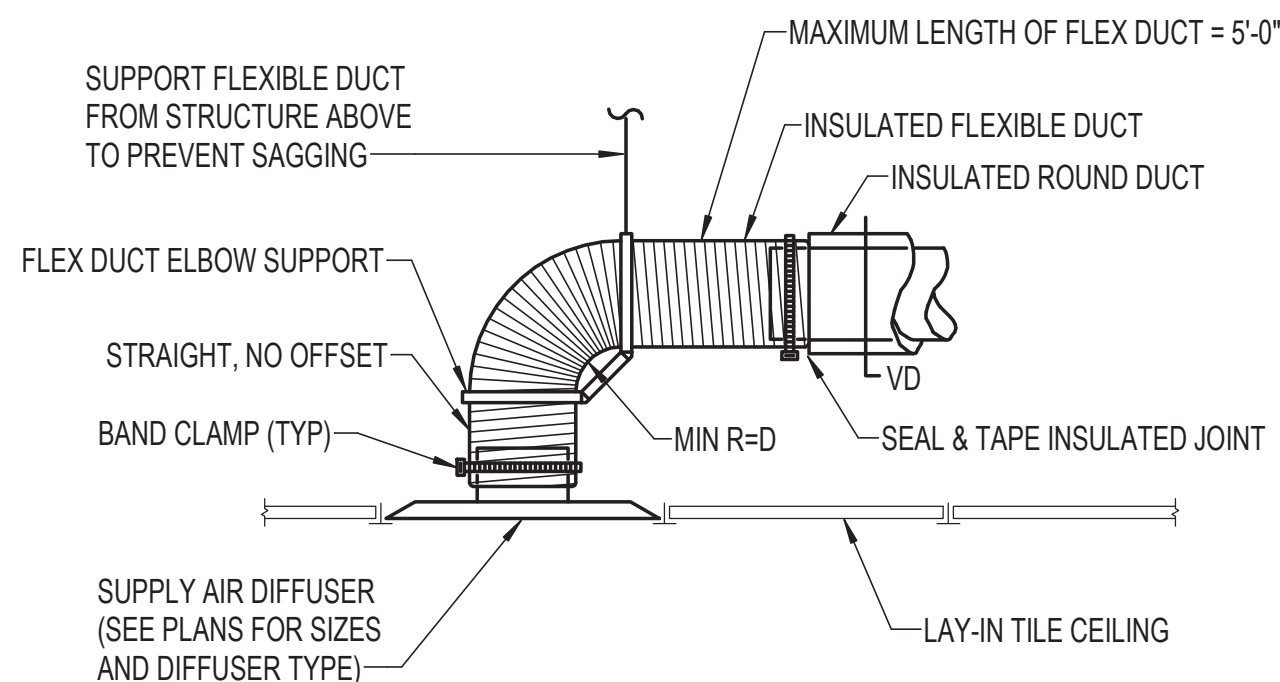
2. COORDINATE DUCT SUPPORTS WITH STRUCTURE BELOW.



SEALED DUCTED UNIT - PLAN VIEW



2x2 CASSETTE UNIT - PLAN VIEW



SUPPLY DIFFUSER RUNOUT DETAIL

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026	
SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
M-13	25133 PO0
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 31 OF 61
	DRAWING NUMBER
	2025-2628
	FILE NO.: 8

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



ELECTION DIST. NO.: 9c6

DUCTWORK ON ROOF

	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. <u>000470</u> EXPIRATION DATE: <u>09/02/2027</u>		CONTRACT COMPLETION BOX								APPROVED BY:	PROPERTY MANAGER
	ENGINEER: <u>PETER PUSZCZ</u>		DGN BY: <u>DJV</u>	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT		DWN BY: <u>DJV</u>	REVIEWED BY:								
	BY: <u>DATE: 01/23/2026</u>		CHKD BY: <u>PJP</u>	DATE REVIEWED:								

VRF FCU CLEARANCE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

HUMAN RESOURCES BUILDING

MECHANICAL DETAILS

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

SUBDIVISION: TOWSON

DATE: 01/23/2026

1/23/2026 8:17:48 AM

NOTES:
1. DAMPERS D-1 AND D-2 SHALL BE PROVIDED BY THE DOAS MANUFACTURER. DAMPERS D-3, D-4, D-5, D-6 SHALL BE PROVIDED BY ATC CONTRACTOR.
2. REFRIGERANT DETECTION SYSTEM AND MITIGATION CONTROLS SHALL BE PROVIDED BY DOAS MANUFACTURER. SEE M-18 FOR MORE INFORMATION.

- BAS

BUILDING AUTOMATION SYSTEM
- HP-CP

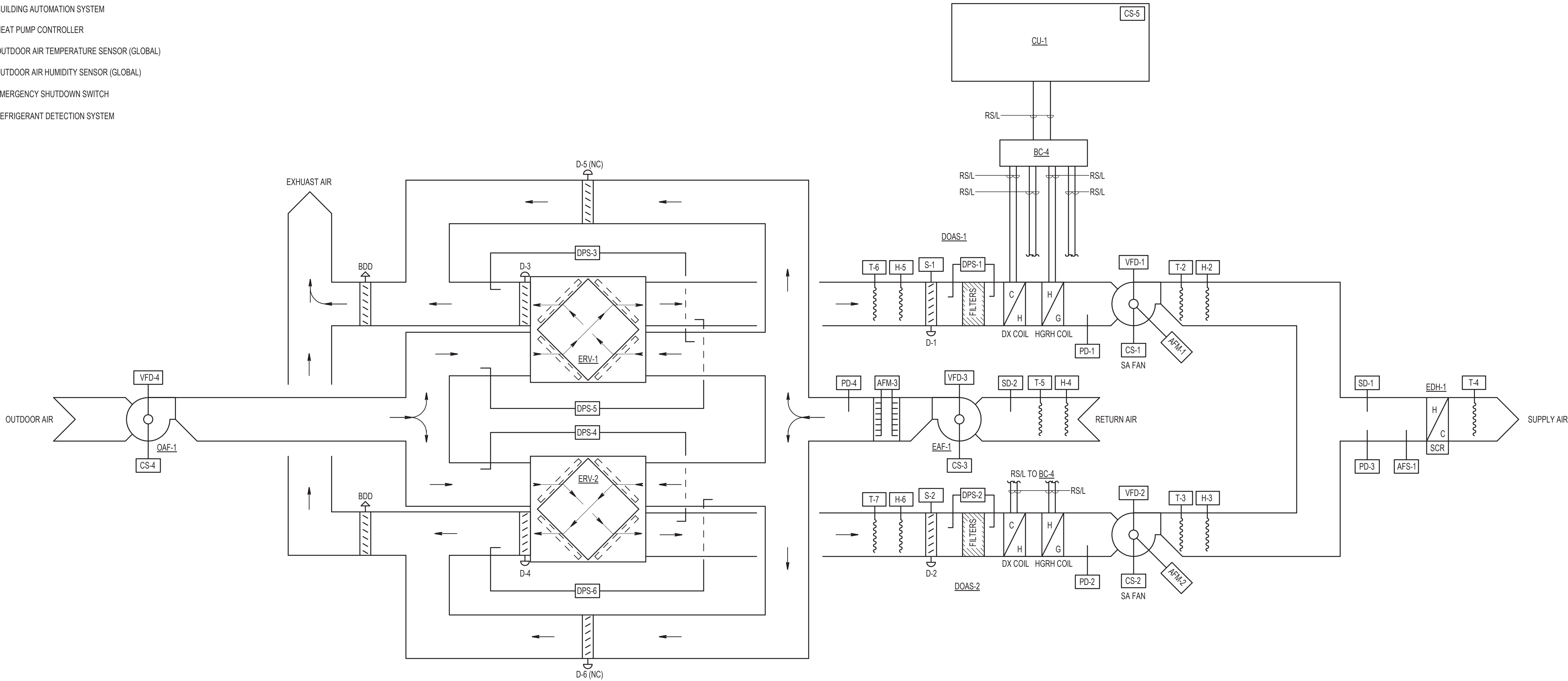
HEAT PUMP CONTROLLER
- T-1

OUTDOOR AIR TEMPERATURE SENSOR (GLOBAL)
- H-1

OUTDOOR AIR HUMIDITY SENSOR (GLOBAL)
- ESS

EMERGENCY SHUTDOWN SWITCH
- RDS

REFRIGERANT DETECTION SYSTEM



DOAS CONTROL DIAGRAM

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-14	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 32 OF 61	
DRAWING NUMBER	2025-2629
FILE NO.:	8

 DATE: 01/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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										PROFILE SCALE: _____	DATE: _____		
ENGINEER: PETER PUSZCZ		DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS-BUILT PER RECORD PRINT		DWN BY: DJV	REVIEWED BY:										
BY: _____ DATE:		CHKD BY: PJP	DATE REVIEWED:										

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
AUTOMATIC TEMPERATURE CONTROLS
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6



1/23/2026 8:17:49 AM

INPUT/OUTPUT SUMMARY																						
SYSTEM		GRAPHIC	INDICATION										ALARM			CONTROL				REMARKS		
DOAS-1, 2 CU-1 ERV-1, 2 OAF-1 EAF-1 EDH-1	STATUS		TEMPERATURE	RELATIVE HUMIDITY	PPM	CFM	STATIC PRESSURE	DIFFERENTIAL PRESSURE	GPM	POSITION	RUN TIME	HERTZ	LOW	HIGH	CRITICAL	MAINTENANCE	PROGRAM START/STOP	HAND-OFF-AUTO	MODULATE		MIN/MAX	OPEN/CLOSED
DOAS-1, 2		●	●												●		●					CS-1, CS-2, AFM-1, AFM-2, VFD-1, VFD-2
SUPPLY AIR FAN		●	●			●					●	●			●		●					T-6, T-7, H-5, H-6
ENTERING AIR		●		●	●																	T-2, T-3, H-2, H-3
LEAVING AIR		●		●	●																	T-2, T-3, H-2, H-3
DAMPERS		●								●										●		D-1, D-2, S-1, S-2
FILTERS		●					●						●		●							DPS-1, DPS-2
CU-1		●	●												●		●					HP-CP, CS-5
ERV-1, 2		●																				
DAMPERS		●								●										●		D-3, D-4, D-5, D-6
FILTERS		●					●						●		●							DPS-3, DPS-4, DPS-5, DPS-6
OAF-1		●	●								●	●			●		●					CS-4, VFD-4
EAF-1		●	●			●					●	●			●		●					CS-3, AFM-3, VFD-3
RETURN AIR		●		●	●																	T-5, H-4
EDH-1		●	●	●						●					●		●		●			SCR CONTROLLER, AFS-1, T-4
OUTDOOR AIR		●		●	●																	T-1, H-1
PRESSURE SWITCHES		●				●							●	●								PD-1, PD-2, PD-3, PD-4
SMOKE DETECTORS		●													●							SD-1, SD-2
EMERGENCY SHUTDOWN		●								●					●							ESS-1

DOAS INPUT/OUTPUT SUMMARY

GENERAL:

1. THE DEDICATED OUTDOOR AIR SYSTEM SHALL BE STARTED AND STOPPED THROUGH THE BUILDING AUTOMATION SYSTEM (BAS).
2. ALL ALARMS SHALL BE HARD WIRED CONNECTIONS AND SHALL BE SENT THROUGH THE BAS.
3. PROVIDE A REMOTE EMERGENCY SHUTDOWN SWITCH (ESS) FOR SYSTEM SHUTDOWN. SWITCH SHALL BE INSTALLED AT A LOCATION APPROVED BY THE FIRE INSPECTOR. TYPICALLY INSTALL ADJACENT TO THE FIRE ALARM ANNUNCIATOR PANEL.
4. PRESSURE SWITCHES PD-1 AND PD-2 STOP SA FANS, OAF-1 AND EAF-1 SHOULD PLENUM PRESSURE RISE ABOVE MINUS 4" WG.
5. PRESSURE SWITCHES PD-3 AND PD-4 STOP SA FANS, OAF-1 AND EAF-1 SHOULD DUCT PRESSURE RISE ABOVE 4" WG.
6. COORDINATE VARIABLE FREQUENCY DRIVE (VFD) INTERFACE REQUIREMENTS WITH VFD MANUFACTURER. MOTORS SHALL NOT RUN HIGHER THAN 60 HZ.
7. DOAS MANUFACTURER SHALL PROVIDE REFRIGERANT DETECTION AND RELEASE MITIGATION CONTROLS. DUCT HEATER EDH-1 SHALL SHUTDOWN IF REFRIGERANT IS DETECTED. SEE M-18 FOR ADDITIONAL INFORMATION.

STARTING AND STOPPING:

1. WHEN SYSTEM OPERATION IS STARTED BY THE BAS, D-1, D-2, D-3, D-4 OPEN, WHEN D-1 AND D-2 ARE OPEN, ASSOCIATED END SWITCHES SHALL START FANS, OAF-1 AND EAF-1.
2. WHENEVER SA FANS ARE STOPPED, OAF-1 AND EAF-1 STOP, AND D-1, D-2, D-3, D-4 CLOSE AFTER 2 MINUTE DELAY (ADJUSTABLE).

OCCUPIED (0600 TO 2200)(ADJUSTABLE):

1. SA FANS, OAF-1, AND EAF-1 ARE ON. D-1, D-2, D-3, AND D-4 ARE OPEN:

A. AFM-1 MODULATES VFD-1 TO MAINTAIN 1,400 CFM

B. AFM-2 MODULATES VFD-2 TO MAINTAIN 1,400 CFM

C. AFM-1 & AFM-2 MODULATE VFD-4 TO MAINTAIN 2,800 CFM

D. AFM-3 MODULATES VFD-3 TO MAINTAIN 2,600 CFM
2. THROUGH MANUFACTURER PROVIDED HEAT PUMP CONTROLLER, SYSTEM SHALL SUPPLY 75 DEGREE F AT T-2 AND T-3. WHEN HEAT PUMP OPERATION CANNOT KEEP UP WITH HEATING DEMAND, BACKUP ELECTRIC HEAT, EDH-1, SHALL ENERGIZE AND MODULATE THROUGH SCR CONTROLLER TO MAINTAIN SETPOINT AT T-4 WHEN AIRFLOW IS PROVEN AT AFS-1.
3. WHEN HUMIDITY AT H-4 IS AT OR ABOVE 60%, THE UNIT SHALL BE IN MANUFACTURERS DEHUMIDIFICATION MODE UNTIL RH FALLS TO 55%..
4. WHEN ECONOMIZER OPERATION IS STARTED, D-3 AND D-4 CLOSE, D-5 AND D-6 OPEN. THE REVERSE SHALL OCCUR WHEN ECONOMIZER OPERATION IS STOPPED.

SMOKE DETECTORS:

1. WHEN SMOKE IS SENSED BY EITHER SMOKE DETECTOR SD-1 OR SD-2, SA FANS, OAF-1, AND EAF-1 STOP AND DAMPERS D-1,D-2, D-3 AND D-4 CLOSE. DOAS SHALL RETURN TO NORMAL OPERATION WHEN SD-1 AND SD-2 ARE MANUALLY RESET.

DOAS SEQUENCE OF OPERATION

SEAL  DATE: 01/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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												DATE:	
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:										
BY: DATE:	CHKD BY: PJP	DATE REVIEWED:											

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT	
HUMAN RESOURCES BUILDING	
AUTOMATIC TEMPERATURE CONTROLS	
HVAC RENOVATION	
308 ALLEGHENY AVE, TOWSON, MD 21204	
SUBDIVISION: TOWSON	
ELECTION DIST. NO.: 9c6	

DATE: 02/23/2026	SUBMISSION: 100% CONSTRUCTION DOCUMENTS
SHEET DESIGNATION	CONTRACT NUMBER
M-15	25133 PO0
JOB ORDER NUMBER	PROJ-10001055
SHEET 33 OF 61	DRAWING NUMBER
2025-2630	FILE NO.: 8



1/23/2026 8:17:49 AM

1/23/2026 8:17:50 AM

VARIABLE REFRIGERANT FAN COIL UNITS																		
UNIT NO	TYPE	LOCATION	CONDENSING UNIT	OA CFM (NOTE 1.2)	SUPPLY FAN		COOLING COIL				HEATING COIL		ELECTRICAL			BASIS OF DESIGN	NOTES	
					CFM	ESP	TOTAL MBH	SENS MBH	EAT		MBH	EAT DB	MCA	MOCP	V/PH			
									DB	WB								
FCU-0-01	2x2 CASSETTE	001 RECEPTION	HRU-1	-	315	-	5.3	4.2	75.0	62.5	3.4	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-0-02	2x2 CASSETTE	002 OFFICE	HRU-1	20	280	-	3.6	3.4	75.0	62.5	5.0	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-0-03	DUCTED	003 OFFICE, 005 OFFICE	HRU-1	40	300	0.50	5.0	4.6	75.0	62.5	4.2	72.0	1.75	15	208-230/1	MTSUBISHI TPEFY006		
FCU-0-04	DUCTED	004 FILE/PANTRY, 007 FINGERPRINT	HRU-1	45	370	0.50	8.9	7.6	75.0	62.5	0.0	72.0	2.1	15	208-230/1	MTSUBISHI TPEFY012		
FCU-0-05	2x2 CASSETTE	006 OFFICE	HRU-1	25	280	-	4.1	3.9	75.0	62.5	6.0	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-0-06	2x2 CASSETTE	ELEVE LOBBY L-0	HRU-1	40	280	-	3.0	3.0	75.0	62.5	3.0	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-0-07	2x2 CASSETTE	010 BREAK ROOM	HRU-1	-	460	-	15.1	12.7	75.0	62.5	0.0	72.0	0.50	15	208-230/1	MTSUBISHI TPLFY018		
FCU-0-08	DUCTED	011 AV SUPPORT, 012 OFFICE	HRU-1	100	300	0.50	5.6	5.0	75.0	62.5	5.1	72.0	1.75	15	208-230/1	MTSUBISHI TPEFY006		
FCU-0-09	DUCTED	013 CONF-D TRAINING	HRU-1	-	1,270	0.50	33.0	23.1	75.0	62.5	12.4	72.0	4.25	15	208-230/1	MTSUBISHI TPEFY036		
FCU-0-10	2x2 CASSETTE	014 CONF-E	HRU-1	-	315	-	4.9	3.2	75.0	62.5	1.7	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-1-01	DUCTED	101 CONFERENCE ROOM	HRU-2	-	1,270	0.50	30.8	23.8	75.0	62.5	19.2	72.0	4.25	15	208-230/1	MTSUBISHI TPEFY036		
FCU-1-02	DUCTED	101 CONFERENCE ROOM	HRU-2	-	1,270	0.50	30.8	23.8	75.0	62.5	19.2	72.0	4.25	15	208-230/1	MTSUBISHI TPEFY036		
FCU-1-03	2x2 CASSETTE	103B OFFICE	HRU-2	35	315	-	5.8	5.4	75.0	62.5	0.0	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-1-04	DUCTED	103A OPEN OFFICE	HRU-2	-	880	0.50	17.1	15.4	75.0	62.5	4.5	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY024		
FCU-1-05	DUCTED	104, 105 OFFICE	HRU-2	40	300	0.50	5.8	5.4	75.0	62.5	7.7	72.0	1.75	15	208-230/1	MTSUBISHI TPEFY008		
FCU-1-06	2x2 CASSETTE	106 OFFICE	HRU-2	20	335	-	7.6	7.4	75.0	62.5	9.6	72.0	0.29	15	208-230/1	MTSUBISHI TPLFY012		
FCU-1-07	DUCTED	107, 108, 109 OFFICE	HRU-2	60	880	0.50	12.8	12.2	75.0	62.5	10.1	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY018		
FCU-1-08	DUCTED	110, 111 OFFICE	HRU-2	40	495	0.50	10.7	10.3	75.0	62.5	6.8	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY015		
FCU-1-09	2x2 CASSETTE	112 OFFICE	HRU-2	20	315	-	6.0	5.8	75.0	62.5	7.4	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-1-10	2x2 CASSETTE	113 OFFICE	HRU-2	20	280	-	3.3	3.1	75.0	62.5	2.8	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-1-11	2x2 CASSETTE	102 SECURITY/WAITING	HRU-2	-	315	-	6.5	4.3	75.0	62.5	0.0	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-1-12	2x2 CASSETTE	C-1 CORR, L-1 ELEV LOBBY	HRU-2	-	315	-	5.8	5.8	75.0	62.5	4.5	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-2-01	DUCTED	201 OCC HEALTH	HRU-3	-	1,270	0.50	24.2	22.9	75.0	62.5	20.2	72.0	4.25	15	208-230/1	MTSUBISHI TPEFY030		
FCU-2-02	2x2 CASSETTE	201A CONF-F	HRU-3	-	315	-	6.8	5.1	75.0	62.5	2.0	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-2-03	2x2 CASSETTE	201B OFFICE	HRU-3	20	315	-	5.8	5.6	75.0	62.5	6.6	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-2-04	DUCTED	202 CLASSIFICATION COMP	HRU-3	-	880	0.50	19.5	18.4	75.0	62.5	22.5	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY024		
FCU-2-05	2x2 CASSETTE	202A OFFICE	HRU-3	20	280	-	3.2	3.0	75.0	62.5	2.0	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-2-06	DUCTED	203 STORAGE, C-2 CORR., L-2 ELEV LOBBY	HRU-3	-	880	0.50	15.9	15.9	75.0	62.5	9.1	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY018		
FCU-2-07	DUCTED	204 OPEN OFFICE	HRU-3	-	370	0.50	8.4	8.0	75.0	62.5	9.2	72.0	2.1	15	208-230/1	MTSUBISHI TPEFY012		
FCU-2-08	DUCTED	204A OFFICE	HRU-3	-	880	0.50	18.3	17.9	75.0	62.5	21.2	72.0	2.9	15	208-230/1	MTSUBISHI TPEFY024		
FCU-2-09	2x2 CASSETTE	204B OFFICE	HRU-3	30	460	-	11.2	10.8	75.0	62.5	7.9	72.0	0.50	15	208-230/1	MTSUBISHI TPLFY018		
FCU-2-10	2x2 CASSETTE	205 OFFICE	HRU-3	-	315	-	6.8	4.9	75.0	62.5	2.2	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		
FCU-2-11	2x2 CASSETTE	206 PERSONNEL RECORDS	HRU-3	25	280	-	3.5	3.3	75.0	62.5	2.1	72.0	0.24	15	208-230/1	MTSUBISHI TPLFY005		
FCU-2-12	DUCTED	206B OPEN OFFICE	HRU-3	-	1,270	0.50	29.6	28.5	75.0	62.5	28.7	72.0	4.25	15	208-230/1	MTSUBISHI TPEFY036		
FCU-2-13	2x2 CASSETTE	207A OFFICE	HRU-3	20	315	-	6.1	5.9	75.0	62.5	5.3	72.0	0.28	15	208-230/1	MTSUBISHI TPLFY008		

NOTES FOR VARIABLE REFRIGERANT FAN COIL UNITS:

1. CFM VALUES ARE LISTED FOR DIRECT OUTDOOR AIR CONNECTION TO FCU. SEE FLOOR PLANS FOR FCU'S THAT DO NOT INDICATE A CFM. THESE SPACES ARE PROVIDED WITH SEPARATE AIR DEVICES.
2. PROVIDE OUTDOOR AIR INTAKE KIT FOR 2x2 CASSETTE UNITS WITH DIRECT OUTDOOR AIR CONNECTION.

DEDICATED OUTDOOR AIR SYSTEMS																										
UNIT NO	LOCATION	FAN DATA					FILTERS	COOLING COIL					HOT GAS REHEAT				HEAT PUMP			ELECTRICAL			BASIS OF DESIGN	NOTES		
		SUPPLY						TOTAL MBH	SENS MBH	EAT		LAT		TOTAL MBH	EAT		LAT		MBH	EAT	LAT	MCA			MOCP	V/PH
		MAX CFM	ESP	TSP	BHP	HP				DB	WB	DB	WB		DB	WB	DB	WB								
DOAS-1	ATTIC	1,400	1.25	4.0	1.65	2	2" MERV 14	87	47	81.3	70.8	51.0	50.9	37	51.0	50.9	75.0	60.4	34	48.1	70	8.5	15	208/3	TRANE CSAA	1, 2, 3, 4
DOAS-2	ATTIC	1,400	1.25	4.0	1.65	2	2" MERV 14	87	47	81.3	70.8	51.0	50.9	37	51.0	50.9	75.0	60.4	34	48.1	70	8.5	15	208/3	TRANE CSAA	1, 2, 3, 4

NOTES FOR DOAS UNITS:

1. PROVIDE FACTORY MOUNTED VFD WITH INTEGRAL DISCONNECT.
2. PROVIDE FACTORY MOUNTED PIEZOMETER RING AND COORDINATE AIRFLOW MEASUREMENT INTEGRATION WITH ATC CONTRACTOR.
3. REFRIGERANT: R32
4. PROVIDE BRANCH CONTROLLER, LEV KIT, ETC. FOR HEAT PUMP AND HOT GAS REHEAT OPERATION.

ENERGY RECOVERY VENTILATOR														
UNIT NO	LOCATION	SERVICE	OA CFM	EA CFM	SUMMER					WINTER				
					ROOM		OUTDOOR		SUPPLY		ROOM		OUTDOOR	
					DB	WB	DB	WB	DB	WB	DB	WB	DB	WB
ERV-1	ATTIC	DOAS-1	1,400	1,300	75.0	62.5	95.0	78.0	81.3	70.8	70	51.4	0.0	0.0
ERV-2	ATTIC	DOAS-2	1,400	1,300	75.0	62.5	95.0	78.0	81.3	70.8	70	51.4	0.0	0.0

NOTES FOR ENERGY RECOVERY VENTILATORS:

1. PROVIDE 2" MERV 8 FILTERS ON OA INTAKE AND RA INTAKE.

AIR-COOLED CONDENSING UNITS (VRF TYPE)														
UNIT NO	LOCATION	SERVICE	CAPACITY				TOTAL REFRIGERANT CHARGE (LBS)	ELECTRICAL			EFFICIENCY		BASIS OF DESIGN	NOTES
			COOLING		HEATING			MCA	MOCP	V/PH	MIN EER	MIN COP		
			TOTAL MBH	CONDENSER EAT	TOTAL MBH	CONDENSER EAT								
CU-1	GRADE	DOAS-1 & DOAS-2	174	95	68	0	100	44+44	70+70	208/3	10.4	2.1	MITSUBISHI TURV E192	1, 2, 3, 4, 5

NOTES FOR AIR-COOLED CONDENSING UNITS (VRF TYPE):

1. REFRIGERANT PIPE SIZES AND ROUTING, REFRIGERANT CHARGE, ETC., SHALL BE PROVIDED BY THE MANUFACTURER.
2. COOLING DESIGNED AT 95 DEGREES F AMBIENT. HEATING DESIGNED AT 0 DEGREES F AMBIENT.
3. PROVIDE SNOW GUARD.
4. REFRIGERANT: R32
5. PROVIDE BRANCH CONTROLLER, LEV KIT, ETC. FOR HEAT PUMP AND HOT GAS REHEAT OPERATION.

GENERAL NOTES: (APPLICABLE TO ALL MECHANICAL SCHEDULES)

1. UNIT NUMBERS ARE INDICATED WHERE ALL UNITS ARE LISTED AND NUMBERED INDIVIDUALLY.
2. UNIT SYMBOLS ARE INDICATED WHERE ALL UNITS ARE NOT LISTED AND NUMBERED INDIVIDUALLY.
3. UNIT TYPES ARE DESCRIBED IN THE SPECIFICATIONS.
4. TEMPERATURE VALUES ARE LISTED IN DEGREES FAHRENHEIT.
5. AIR PRESSURE VALUES ARE LISTED IN INCHES OF WATER COLUMN.
6. AIR VELOCITY VALUES ARE LISTED IN FEET PER MINUTE.
7. DUCT AND PIPE SIZES ARE LISTED IN SINGLE-NUMBER INCHES OF NOMINAL DIAMETER OR MULTIPLE NUMBER INCHES OF INDICATED PARAMETER. CONNECTION SIZES ARE BRANCH SIZES FROM MAINS TO UNIT INLETS. SINGLE PIPE SIZE IS TYPICAL FOR SUPPLY AND RETURN.

VARIABLE REFRIGERANT HEAT RECOVERY UNITS													
UNIT NO	LOCATION	CAPACITY				TOTAL REFRIGERANT CHARGE (LBS)	ELECTRICAL			EFFICIENCY		BASIS OF DESIGN	NOTES
		COOLING		HEATING			MCA	MOCP	V/PH	MIN EER	MIN COP		
		TOTAL MBH	CONDENSER EAT	TOTAL MBH	CONDENSER EAT								
HRU-1	GRADE	89	95	42	0	70	44	70	208/3	10.8	2.2	MTSUBISHI TURYE096	1, 2, 3, 4
HRU-2	GRADE	140	95	92	0	90	70	110	208/3	10.4	2.1	MTSUBISHI TURYE168	1, 2, 3, 4
HRU-3	GRADE	160	95	139	0	100	44+44	70+70	208/3	10.4	2.1	MTSUBISHI TURYE192	1, 2, 3, 4

NOTES FOR VARIABLE REFRIGERANT HEAT RECOVERY UNITS:

1. REFRIGERANT PIPE SIZES AND ROUTING, REFRIGERANT CHARGE, ETC. SHALL BE PROVIDED BY THE MANUFACTURER.
2. CAPACITY INDICATED IS MINIMUM REQUIRED AFTER CORRECTIONS FOR DESIGN CONDITIONS, REFRIGERANT PIPES SIZES AND LENGTHS, AND OTHER CORRECTIONS HAVE BEEN TAKEN INTO ACCOUNT.
3. PROVIDE SNOW GUARD.
4. REFRIGERANT: R32

DUCTLESS-SPLIT SYSTEMS (COOLING ONLY)															
UNIT NO	LOCATION	TYPE	CFM	COOLING		CONDENSING UNIT				SEER2	ELECTRICAL			BASIS OF DESIGN	NOTES
				TOTAL MBH	SENS MBH	UNIT NO	LOCATION	MBH	CONDENSER EAT		MCA	MOPP	V/PH		
DSS-1	STORAGE 102	WALL	455	18.0	13.0	ACCU-1	GRADE	18.0	95	19.0	16	27	208-230/1	mitsubishi pka/puy	1,2,3

REFRIGERANT PIPING TEST AND INSPECTIONS

1. REFRIGERATION EQUIPMENT AND PIPING SHALL BE INSTALLED PER MANUFATURER'S REQUIREMENTS AND IMC - CHAPTER 11 REFRIGERATION AS FOLLOWS. THE FOLLOWING ARE MINIMUM REQUIREMENTS. IF THE MANUFACTURER REQUIRES A HIGHER TEST PRESSURE OR INSPECTION DURATION, THE MANUFACTURERS REQUIREMENTS TAKE PRECEDENCE.

2. CODE COMPLIANCE: PIPING SHALL BE TESTED IN ACCORDANCE WITH ASHRAE 15-2022.

3. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.

4. TESTS AND INSPECTIONS:

A. GENERAL. REFRIGERATING SYSTEMS FABRICATED, ASSEMBLED, OR ERECTED ON THE PREMISES SHALL BE TESTED TO THE APPLICABLE REQUIREMENTS OF THIS SECTION. TESTS SHALL INCLUDE BOTH THE HIGH SIDES AND LOW SIDES OF EACH SYSTEM. SYSTEM COMPONENTS THAT HAVE BEEN STRENGTH TESTED UNDER PRESSURE BY THE COMPONENT MANUFACTURER, FABRICATOR, OR ASSEMBLER ARE NOT REQUIRED TO BE STRENGTH TESTED AGAIN ON THE PREMISES UNLESS MODIFIED OR REPAIRED. LISTED EQUIPMENT NOT MODIFIED OR REPAIRED SHALL NOT BE REQUIRED TO BE STRENGTH TESTED ON THE PREMISES. AFTER INSTALLATION AND BEFORE BEING PLACED IN OPERATION, SYSTEM COMPONENTS NOT PREVIOUSLY STRENGTH TESTED SHALL BE STRENGTH TESTED UNDER PRESSURE IN ACCORDANCE WITH PIPING SYSTEM STRENGTH TEST BELOW. AFTER SUCCESSFUL COMPLETION OF THE REQUIRED STRENGTH TESTS AND BEFORE BEING PLACED IN OPERATION, SYSTEM COMPONENTS AND FIELD INSTALLED CONNECTIONS SHALL BE LEAK TESTED FOR TIGHTNESS IN ACCORDANCE WITH LEAKAGE TEST BELOW.

B. TEST GASES. THE MEDIUM USED FOR FIELD PRESSURE TESTING THE REFRIGERANT SYSTEM SHALL BE ONE OF THE FOLLOWING INERT GASES: OXYGEN-FREE NITROGEN, HELIUM, ARGON OR PREMIXED NONFLAMMABLE OXYGEN-FREE NITROGEN WITH A TRACER GAS OF HYDROGEN OR HELIUM.

1. TEST GASES NOT PERMITTED. OXYGEN, AIR, REFRIGERANTS OTHER THAN THOSE IDENTIFIED ABOVE, COMBUSTIBLE GASES AND MIXTURES CONTAINING SUCH GASES SHALL NOT BE USED AS THE TEST MEDIUM.

C. FIELD TEST APPARATUS. THE MEANS USED TO PRESSURIZE THE REFRIGERANT PIPING SYSTEM SHALL HAVE EITHER A PRESSURE-LIMITING DEVICE OR A PRESSURE-REDUCING DEVICE AND A TEST PRESSURE MEASURING DEVICE ON THE OUTLET SIDE. THE TESTS PRESSURE MEASURING DEVICE SHALL HAVE AN ACCURACY OF +/-3 PERCENT OR LESS OF THE TEST PRESSURE AND SHALL HAVE A RESOLUTION OF 3 PERCENT OR LESS OF THE TEST PRESSURE.

D. PIPING SYSTEM STRENGTH TEST. REFRIGERATING SYSTEM COMPONENTS AND REFRIGERANT PIPING SHALL BE TESTED IN ACCORDANCE WITH ASME B31.5 OR THIS SECTION. SEPARATE TESTS FOR ISOLATED PORTIONS OF THE SYSTEM ARE PERMITTED, PROVIDED THAT ALL REQUIRED PORTIONS ARE TESTED AT LEAST ONCE. PRESSURIZE WITH TEST GAS FOR A MINIMUM OF 10 MINUTES TO NOT LESS THAN THE LOWER OF (A) THE LOWEST DESIGN PRESSURE FOR ANY SYSTEM COMPONENT OR (B) THE LOWEST VALUE OF SET PRESSURE FOR ANY PRESSURE RELIEF DEVICES IN THE SYSTEM. THE DESIGN PRESSURES FOR DETERMINATION OF TEST PRESSURE SHALL BE THE PRESSURE IDENTIFIED ON THE LABEL NAMEPLATE OF THE CONDENSING UNIT, COMPRESSOR, COMPRESSOR UNIT, PRESSURE VESSEL OR OTHER SYSTEM COMPONENT WITH A NAMEPLATE. A PASSING TEST RESULT SHALL HAVE NO RUPTURE OR STRUCTURAL FAILURE OF ANY SYSTEM COMPONENT OR REFRIGERANT PIPING. PRESSURE RELIEF DEVICES MAY NEED TO BE TEMPORARILY REMOVED AND REPLACED WITH PLUGS DURING THE STRENGTH TEST.

E. LEAKAGE TEST. THE LEAK TEST SHALL BE IN ACCORDANCE WITH ASHRAE STANDARD 147, ASME B31.5, OR THIS SECTION.

1. LEAK TESTING PROTOCOL. AFTER THE TIME TO COMPLETE THE STRENGTH TEST, CONTINUE TO PRESSURE TEST IN ACCORDANCE WITH PIPING SYSTEM STRENGTH TEST ABOVE FOR A MINIMUM PERIOD AS SPECIFIED IN THE FOLLOWING TABLE. DURATION OF LEAK TEST. THE SYSTEM SHALL SHOW NO LOSS IN PRESSURE ON THE PRESSURE MEASURING DEVICE DURING THE PRESSURE TEST. CALCULATION OF THE PRESSURE DIFFERENTIAL BASED ON A CHANGE IN AMBIENT TEMPERATURE SHALL BE PERMITTED. A VACUUM OF 0.0097 PSI ABSOLUTE OR LOWER SHALL BE ACHIEVED. AFTER ACHIEVING A VACUUM, THE SYSTEM SHALL BE ISOLATED FROM THE VACUUM PUMP. THE SYSTEM PRESSURE SHALL NOT RISE ABOVE 0.029 PSI ABSOLUTE FOR A MINIMUM PERIOD AS SPECIFIED IN THE FOLLOWING TABLE, DURATION OF LEAK TEST. THE VACUUM PUMP SHOULD GRADUALLY CREATE A VACUUM TO AVOID FREEZING OF ANY MOISTURE IN THE PIPING SYSTEM.

DURATION OF LEAK TEST

LEAK TEST	PIPE LENGTH, L (FEET)	MAXIMUM PIPE SIZE (INCH)	MINIMUM PERIOD OF TEST (HOURS)
PRESSURE TEST	L <= 100	3/4 OR LESS	0.25
		1 TO 3	1
		GREATER THAN 3	24
	100 < L <= 200	3 OR LESS	1
		GREATER THAN 3	24
VACUUM TEST	L <= 100	3/4 OR LESS	1
		1 TO 3	8
		GREATER THAN 3	24
	100 < L <= 200	3 OR LESS	8
		GREATER THAN 3	24
	200 < L	ANY	24

NOTE: THE MAXIMUM PIPE SIZE IS THE LARGEST INTERCONNECTING FIELD PIPING INSTALLED.

A. CONTRACTOR DECLARATION. THE INSTALLING CONTRACTOR SHALL ISSUE A CERTIFICATE OF TEST, VERIFYING STRENGTH TEST IN ACCORDANCE WITH PIPING SYSTEM STRENGTH TEST, AND LEAKAGE TEST IN ACCORDANCE WITH LEAKAGE TEST. TO THE AHJ FOR ALL SYSTEMS CONTAINING 55 LB OR MORE OF REFRIGERANT, THE CERTIFICATE SHALL GIVE THE TEST DATE, PHOTOGRAPH OF THE PRESSURE GAGE AT THE TEST PRESSURE, REFRIGERANT DESIGNATION, TEST MEDIUM, AND THE FIELD TEST PRESSURE APPLIED TO THE HIGH SIDE AND THE LOW SIDE OF THE SYSTEM. THE CERTIFICATION OF TEST SHALL BE SIGNED BY THE INSTALLING CONTRACTOR AND SHALL BE MADE PART OF THE PUBLIC RECORD.

REFRIGERANT PIPING INSTALLATION REQUIREMENTS

1. REFRIGERATION EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH IMC, CHAPTER 11, REFRIGERATION AS FOLLOWS.

2. CODE COMPLIANCE: ASHRAE 15-2022.

3. SHAFT ENCLOSURES: IN ACCORDANCE WITH ASHRAE 15-2022. SLAB PENETRATIONS SHALL BE SEALED IN ACCORDANCE WITH LIFE SAFETY PLANS AND PIPE PROTECTED FROM DAMAGE.

4. INSTALL PER MANUFACTURER'S REQUIREMENTS. EQUIPMENT MANUFACTURERS SHALL SIZE ALL PIPING.

5. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF SYSTEMS; INDICATED LOCATIONS AND. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON SHOP DRAWINGS.

6. INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ASHRAE 15-2022.

7. PIPE PROTECTION. THE EXTERIOR OF THE PIPE SHALL BE PROTECTED FROM CORROSION, DEGRADATION, GALVANIC CORROSION AND ABRASION. REFRIGERANT PIPE SHALL NOT BE IN CONTACT WITH BUILDING MATERIALS THAT CAN ABRASE THE PIPEREFRIGERANT PIPE SHALL BE INSTALLED AS FOLLOWS IN ACCORDANCE WITH ASHRAE 15-2022:

A. PIPING IN AN ATTIC OR CRAWL SPACE. PROVIDED THAT COPPER TUBE IS INSTALLED 1.5 INCHES FROM THE NEAREST EDGE OF THE MEMBER, THE TUBE SHALL BE PROTECTED BY STEEL SHIELD PLATES HAVING A MINIMUM THICKNESS OF 0.0575 INCH (NO. 16 GAGE). PROTECTIVE STEEL PLATES ARE NOT REQUIRED IN LOCATIONS WHERE THE REFRIGERANT PIPING IS EXPOSED.

B. PIPING OUTSIDE THE BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:

1. PROTECTED FROM DAMAGE FROM THE WEATHER, INCLUDING BUT NOT LIMITED TO HAIL, ICE AND SNOW LOADS.

2. PROTECTED FROM DAMAGE WHERE LOCATED IN AN EXPECTED FOOT OR TRAFFIC PATH.

3. UNDERGROUND BELOW THE FROST LINE AND NOT LESS THAN 8 INCHES BELOW FINISH GRADE.

8. INSTALL REFRIGERANT PIPING IN PROTECTIVE CONDUIT WERE INSTALLED BELOW GROUND. THE PIPING SHALL BE PROTECTED TO PREVENT DAMAGE FROM VIBRATION, STRESS AND CORROSION.

9. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. INSTALL PIPING AS SHORT AND DIRECT AS POSSIBLE, WITH A MINIMUM NUMBER OF JOINTS, ELBOWS, AND FITTINGS. REFRIGERANT PIPING SHALL BE INSTALLED SO AS TO PREVENT STRAINS AND STRESSES THAT EXCEED THE STRUCTURAL STRENGTH OF THE PIPE.

10. INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING PANEL REMOVAL.

11. INSTALL PIPING ADJACENT TO EQUIPMENT TO ALLOW SERVICE AND MAINTENANCE.

12. INSTALL PIPING FREE OF SAGS AND BENDS.

13. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS.

14. SELECT SYSTEM COMPONENTS WITH PRESSURE RATING EQUAL TO OR GREATER THAN SYSTEM OPERATING PRESSURE.

15. REFER TO SECTION 230923 "DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC" AND DRAWINGS FOR SOLENOID VALVE CONTROLLERS, AND CONTROL WIRING.

16. ARRANGE PIPING TO ALLOW INSPECTION AND SERVICE OF REFRIGERATION EQUIPMENT. INSTALL VALVES AND SPECIALTIES IN ACCESSIBLE LOCATIONS TO ALLOW FOR SERVICE AND INSPECTION. INSTALL ACCESS DOORS OR PANELS AS SPECIFIED IN SECTION 083113 "ACCESS DOORS AND FRAMES" IF VALVES OR EQUIPMENT REQUIRING MAINTENANCE IS CONCEALED BEHIND FINISHED SURFACES.

17. SLOPE REFRIGERANT PIPING IN ACCORDANCE WITH EQUIPMENT MANUFACTURER REQUIREMENTS.

18. WHEN BRAZING OR SOLDERING, REMOVE SOLENOID-VALVE COILS AND SIGHT GLASSES; ALSO REMOVE VALVE STEMS, SEATS, PACKING, AND ACCESSIBLE INTERNAL PARTS OF REFRIGERANT SPECIALTIES. DO NOT APPLY HEAT NEAR EXPANSION-VALVE BULB.

19. IDENTIFY REFRIGERANT PIPING AND VALVES IN ACCORDANCE WITH SECTION 230553 "IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT." FOR GROUP A2L REFRIGERANTS, THE IDENTIFICATION SHALL ALSO INCLUDE THE FOLLOWING STATEMENT: "WARNING-RISK OF FIRE. FLAMMABLE REFRIGERANT."

20. PIPE JOINT CONSTRUCTION

A. REAM ENDS OF PIPES AND TUBES AND REMOVE BURRS.

B. REMOVE SCALE, SLAG, DIRT, AND DEBRIS FROM INSIDE AND OUTSIDE OF PIPE AND FITTINGS BEFORE ASSEMBLY.

C. SOLDERED JOINTS: CONSTRUCT JOINTS IN ACCORDANCE WITH ASTM B828 OR CDA'S "COPPER TUBE HANDBOOK."

D. BRAZED JOINTS: CONSTRUCT JOINTS IN ACCORDANCE WITH AWS BRH, "BRAZING HANDBOOK," CH. 35, "PIPE AND TUBING."

1. USE TYPE BCUP (COPPER-PHOSPHORUS) ALLOY FOR JOINING COPPER SOCKET FITTINGS WITH COPPER PIPE.

2. USE TYPE BAG (CADMIUM-FREE SILVER) ALLOY FOR JOINING COPPER WITH BRONZE OR STEEL.

21. INSTALLATION OF HANGERS AND SUPPORTS

A. COMPLY WITH SECTION 230529 "HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT" FOR HANGERS, SUPPORTS, AND ANCHOR DEVICES.

B. INSTALL THE FOLLOWING PIPE ATTACHMENTS:

1. ADJUSTABLE STEEL CLEVIS HANGERS FOR INDIVIDUAL HORIZONTAL RUNS LESS THAN 20 FT. LONG.

2. ROLLER HANGERS AND SPRING HANGERS FOR INDIVIDUAL HORIZONTAL RUNS 20 FT. OR LONGER.

3. PIPE ROLLER: MSS SP-58, TYPE 44 FOR MULTIPLE HORIZONTAL PIPING 20 FT. OR LONGER, SUPPORTED ON A TRAPEZE.

4. SPRING HANGERS TO SUPPORT VERTICAL RUNS.

5. COPPER-CLAD HANGERS AND SUPPORTS FOR HANGERS AND SUPPORTS IN DIRECT CONTACT WITH COPPER PIPE.

C. INSTALL HANGERS FOR COPPER TUBING, WITH MAXIMUM SPACING IN ACCORDANCE WITH MAXIMUM HORIZONTAL SPACING AND MINIMUM ROD DIAMETERS, TO COMPLY WITH MSS SP-58, LOCALLY ENFORCED CODES, AND AUTHORITIES HAVING JURISDICTION REQUIREMENTS, WHICHEVER ARE MOST STRINGENT.

D. SUPPORT HORIZONTAL PIPING WITHIN 12 INCHES OF EACH FITTING.

E. SUPPORT VERTICAL RUNS OF COPPER TUBING TO COMPLY WITH MSS SP-58, LOCALLY ENFORCED CODES, AND AUTHORITIES HAVING JURISDICTION REQUIREMENTS, WHICHEVER ARE MOST STRINGENT.

REFRIGERANT EQUIPMENT INSTALLATION REQUIREMENTS

1. REFRIGERATION EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH IMC, CHAPTER 11, REFRIGERATION AS FOLLOWS.

2. CODE COMPLIANCE: ASHRAE 15-2022.

3. REFRIGERATION SYSTEMS SHALL BE LISTED IN ACCORDANCE WITH UL 484 OR UL 60335-2-40/CSA C22.2 NO. 60335-2-40.

4. THE REFRIGERATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE 15-2022, THE LISTING, THE MANUFACTURER'S INSTRUCTIONS AND ANY MARKINGS ON THE EQUIPMENT RESTRICTING THE INSTALLATION.

A. THE ASHRAE 15-2022 REQUIRED NAME PLATE, SHALL INCLUDE A SYMBOL INDICATING THAT A FLAMMABLE REFRIGERANT IS USED.

B. A LABEL INDICATING A FLAMMABLE REFRIGERANT IS INSTALLED, SHALL BE PLACED ADJACENT TO SERVICE PORTS AND OTHER LOCATIONS WHERE SERVICE INVOLVING COMPONENTS CONTAINING REFRIGERANT IS PERFORMED.

5. EQUIPMENT SHALL HAVE A FACTORY INSTALLED REFRIGERANT DETECTION SYSTEM IN ACCORDANCE WITH ASHRAE 15-2022.

6. LIQUID-LEVEL-GAGE GLASS COLUMNS SHALL HAVE AUTOMATIC CLOSING SHUTOFF VALVES. ALL SUCH GLASS COLUMNS SHALL BE PROTECTED AGAINST EXTERNAL DAMAGE AND PROPERLY SUPPORTED.

A. EXCEPTION: LIQUID-LEVEL-GAGE GLASSES OF THE BULL'S-EYE TYPE.

7. WHEN A PRESSURE GAGE IS PERMANENTLY INSTALLED ON THE HIGH SIDE OF A REFRIGERATING SYSTEM, ITS DIAL SHALL BE GRADUATED TO AT LEAST 1.2 TIMES THE DESIGN PRESSURE.

8. LIQUID RECEIVERS, OR PARTS OF A SYSTEM DESIGNED TO RECEIVE THE REFRIGERANT CHARGE DURING PUMP DOWN SHALL HAVE SUFFICIENT CAPACITY TO RECEIVE THE PUMP DOWN CHARGE. THE LIQUID SHALL NOT OCCUPY MORE THAN 90 PERCENT OF THE VOLUME WHEN TEMPERATURE OF THE REFRIGERANT IS 90 DEG F.

9. SERVICE PROVISIONS

A. ALL SERVICEABLE COMPONENTS OF REFRIGERATING SYSTEMS SHALL BE PROVIDED WITH SAFE ACCESS.

B. CONDENSING UNITS OR COMPRESSOR UNITS WITH ENCLOSURES SHALL BE PROVIDED WITH SAFE ACCESS WITHOUT THE NEED TO CLIMB OVER OR REMOVE ANY OBSTACLES OR TO USE PORTABLE ACCESS DEVICES TO GET TO THE EQUIPMENT.

C. ALL SYSTEMS SHALL HAVE PROVISIONS TO HANDLE THE REFRIGERANT CHARGE FOR SERVICE PURPOSES. WHEN REQUIRED, THERE SHALL BE LIQUID AND VAPOR TRANSFER VALVES, A TRANSFER COMPRESSOR OR PUMP AND REFRIGERANT STORAGE TANKS OR APPROPRIATE VALVED CONNECTIONS FOR REMOVAL BY A RECLAIM, RECYCLE OR RECOVERY DEVICE.

10. SYSTEM CHARGING IN ACCORDANCE WITH ASHRAE 15-2022.

11. SYSTEM ADJUSTING IN ACCORDANCE WITH ASHRAE 15-2022.

REFRIGERANT DUCTWORK INSTALLATION REQUIREMENTS

1. CODE COMPLIANCE: ASHRAE 15-2022.

2. UNCLASSIFIED ELECTRICAL DEVICES SHALL NOT BE LOCATED WITHIN DUCTWORK.

3. DEVICES CONTAINING HOT SURFACES EXCEEDING 1290 DEGREES F SHALL NOT BE LOCATED IN DUCTWORK UNLESS THERE IS AN AVERAGE AIRFLOW VELOCITY NOT LESS THAN 200 FEET/MIN ACROSS THE HEATING DEVICE(S) AND THERE IS PROOF OF AIRFLOW BEFORE THE HEATING DEVICE(S) IS ENERGIZED. AVERAGE AIRFLOW VELOCITY SHALL BE DETERMINED BY VOLUMETRIC AIRFLOW RATE DIVIDED BY DUCT FLOW RATE.

4. DUCT HEATERS SHALL BE SHUT DOWN BY A REFRIGERANT DETECTION SYSTEM. CONTRACTOR SHALL PROVIDE A REFRIGERANT DETECTION SYSTEM TO SHUTDOWN DUCT MOUNTED HEATERS WHEN A REFRIGERANT LEAK IS SENSED.

HENRY ADAMS

Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
M-18	25133 PO0
	JOB ORDER NUMBER PROJ-10001055
	SHEET 36 OF 61 DRAWING NUMBER
	2025-2633
	FILE NO.: 8

SEAL  DATE: 01/23/2026	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. 200470 EXPIRATION DATE: 09/02/2027						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 12" = 1'-0"	APPROVED BY: _____ PROPERTY MANAGER
										PROFILE SCALE: _____	DATE: _____
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:								
BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

HUMAN RESOURCES BUILDING

A2L REFRIGERANT GENERAL NOTES AND SPECIFICATIONS

HVAC RENOVATION

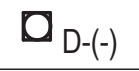
308 ALLEGHENY AVE, TOWSON, MD 21204

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

1/23/2026 8:17:54 AM

PLUMBING ABBREVIATIONS	
(APPLICABLE TO ALL PLUMBING DRAWINGS)	
AHU	AIR HANDLING UNIT
CO	CLEANOUT
CP	CONDENSATE PUMP
D	DRAIN
DN	DOWN
E	EAST
EX	EXISTING
FD	FLOOR DRAIN
FPD	FLUID PRESSURE DROP
GPH	GALLONS PER HOUR
HP	HORSEPOWER
N	NORTH
NO	NUMBER
P	PLUMBING
PD	PUMPED DISCHARGE
PH	PHASE
RM	ROOM
RX	REMOVE EXISTING
S	SOUTH
SW	STORM WATER
TYP	TYPICAL
V	VOLTS
W	WEST

PLUMBING LEGEND	
(APPLICABLE TO ALL PLUMBING DRAWINGS)	
SYMBOL	DESCRIPTION
—PD—	PUMP DISCHARGE
 D-(-)	DRAIN (ALL TYPES)
—D—	CONDENSATE DRAIN
	CONNECT TO EXISTING
	END POINT OF REMOVAL OF EXISTING
	PLAN/ SECTION DESIGNATION TOP - PLAN/ SECTION REFERENCE, BOTTOM - REFERENCED DRAWING
—  —	CAP (PIPE OR DUCT)

GENERAL PLUMBING NOTES	
(APPLICABLE TO ALL PLUMBING DRAWINGS)	
1. ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "LIGHT" (———) ARE EXISTING TO REMAIN. DEMOLISH ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND DASHED" (———) ON DEMOLITION DRAWINGS. PROVIDE ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND SOLID" (———) ON NEW WORK DRAWINGS.	
2. COORDINATE ALL PLUMBING WORK WITH MECHANICAL WORK, ELECTRICAL WORK, AND WORK OF OTHER TRADES.	
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. REPAIR ALL DAMAGES OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	
4. RUN ALL CONDENSATE DRAIN PIPING WITH 1 PERCENT MINIMUM GRADE UNLESS OTHERWISE NOTED.	
5. ELEVATIONS NOTED ARE TO CENTERLINES OF PIPES FOR ALL PRESSURE LINES AND TO INVERT FOR ALL GRAVITY FLOW LINES.	
6. INSTALL PIPING AND DUCTWORK SO THAT ALL VALVES AND DAMPERS ARE ACCESSIBLE.	
7. UNLESS OTHERWISE NOTED, ROUTE ALL PIPING AND DUCTWORK OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED.	
8. MAINTAIN MINIMUM 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL AND ELECTRICAL ROOMS.	
9. CERTAIN ITEMS SUCH AS ACCESS DOORS, CLEANOUTS, RISE AND DROPS IN DUCTWORK AND PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.	
10. WHERE THE INSTALLATION OF NEW SERVICES OR THE EXTENSION OF EXISTING SERVICES REQUIRES CUTTING OF EXISTING FLOORS, WALLS, PARTITIONS, ETC., CHECK FOR THE PRESENCE OF EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES WITHIN OR IMMEDIATELY BENEATH CONSTRUCTION. EXERCISE NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE SERVICES OR INJURY TO PERSONNEL DUE TO CONTACT WITH SAME. TEMPORARILY DISCONNECT SERVICES DURING THE CUTTING OPERATION. SCHEDULE SERVICE OUTAGES IN ADVANCE WITH THE COUNTY.	
11. FLOW SCHEMATIC AND RISER DIAGRAMS INDICATE FLOW AND OPERATION CONCEPTS AS WELL AS GENERAL ARRANGEMENT OF EQUIPMENT. VALVES, PRESSURE GAUGES, ETC. ARE INDICATED FOR THIS PURPOSE. PROVIDE ADDITIONAL VALVES, PRESSURE GAUGES, ETC. AS SHOWN ON VARIOUS EQUIPMENT DETAILS. SEE PLANS AND DETAILS FOR PIPE SIZES NOT INDICATED ON FLOW SCHEDULES AND RISER DIAGRAMS.	
12. CONTRACTOR SHALL BE RESPONSIBLE FOR RESEARCHING ALL SYSTEMS THAT A PARTICULAR OUTAGE WILL AFFECT AS WELL AS LOCATING ALL SHUTOFF POINTS. INCLUDE THIS INFORMATION IN THE OUTAGE PLAN AND SUBMIT TO THE COUNTY FOR APPROVAL.	
13. REFER TO SPECIFICATION DIVISION 22 FOR PLUMBING SYSTEM PIPING REQUIREMENTS. PVC PIPE IS NOT PERMITTED IN CEILING RETURN AIR PLENUM APPLICATIONS.	
14. INFORMATION SHOWN ON THE PLUMBING DRAWINGS PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO DEMOLITION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.	
15. REMOVE ALL EXISTING PIPING, EQUIPMENT, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE). ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE COUNTY, OR ARE INDICATED TO REMAIN THE PROPERTY OF THE COUNTY SHALL BE DELIVERED BY THE CONTRACTOR WHERE DIRECTED BY THE COUNTY. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.	
16. DISCONNECT EXISTING PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) AND REMOVE PIPING BACK TO SERVICE MAINS UNLESS OTHERWISE INDICATED OR NOTED ON PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, VALVES, ETC. CAP, PLUG, OR SEAL EXISTING PIPING INDICATED OR REQUIRED TO REMAIN IN SERVICE OR IN PLACE. NO EXISTING PIPING SHALL BE LEFT UNSEALED. VALVE ALL TERMINATED PRESSURE PIPE.	
17. EXISTING PIPING, EQUIPMENT, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE RE-INSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE COUNTY AND AT NO ADDITIONAL CONTRACT COST.	
18. REMOVE ALL ACCESSORIES, CONTROLS, ENCLOSURES, SUPPORTS, HANGERS, PADS, ETC. ASSOCIATED WITH ALL EQUIPMENT SHOWN TO BE REMOVED. REPAIR AND PAINT DAMAGED SURFACES AND ALL SURFACES BEHIND ALL EQUIPMENT SHOWN TO BE DEMOLISHED TO MATCH EXISTING ADJACENT SURFACES.	

PUMPS - CONDENSATE								
UNIT NO	LOCATION	FLUID		HP	ELECTRICAL		BASIS OF DESIGN	NOTES
		GPH	FPD		V	PH		
CP-1	SEE PLANS	50	5	1/50	120	1	LITTLE GIANT VCMA-15	1

NOTES FOR CONDENSATE PUMPS:
1. PROVIDE INTEGRAL FLOAT SWITCH.

SEAL  DATE: 01/23/2026	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. 200470 EXPIRATION DATE 09/02/2027						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 12" = 1'-0"		APPROVED BY: _____	PROPERTY MANAGER
			CONTRACT COMPLETION BOX							PROFILE SCALE: _____		DATE: _____	
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:										
	BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:										

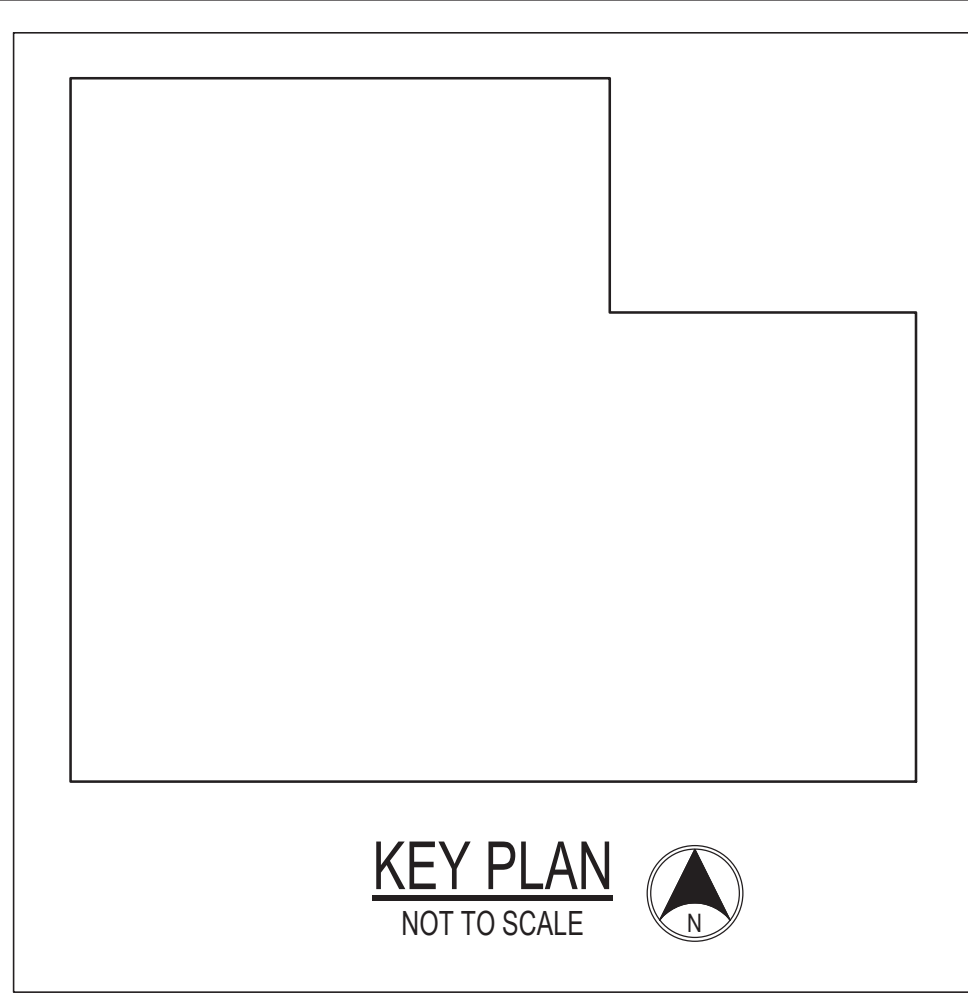
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
PLUMBING COVER SHEET
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204
SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

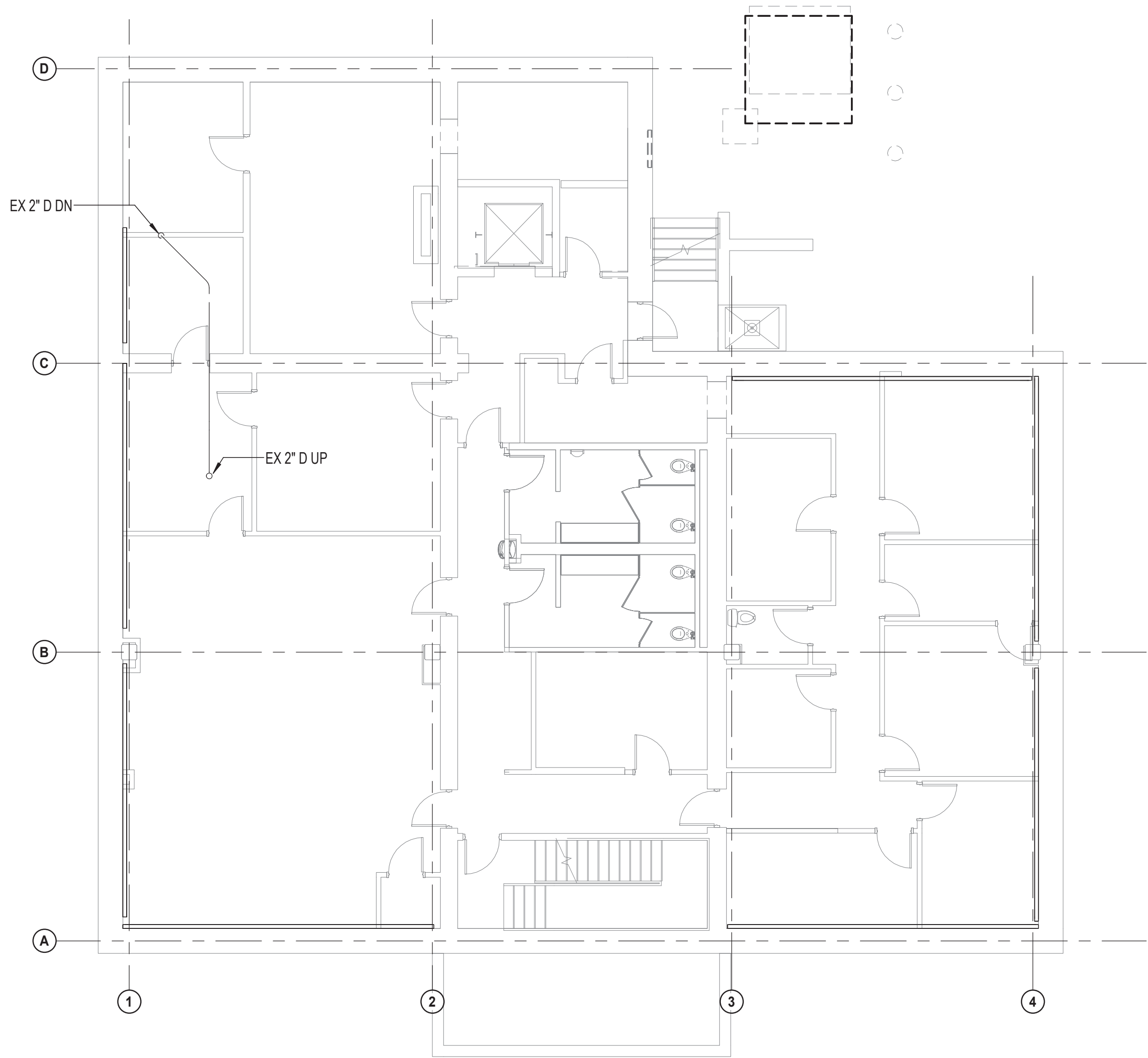
DATE: 02/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
P-1	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 37 OF 61 DRAWING NUMBER	2025-2634
FILE NO.:	8

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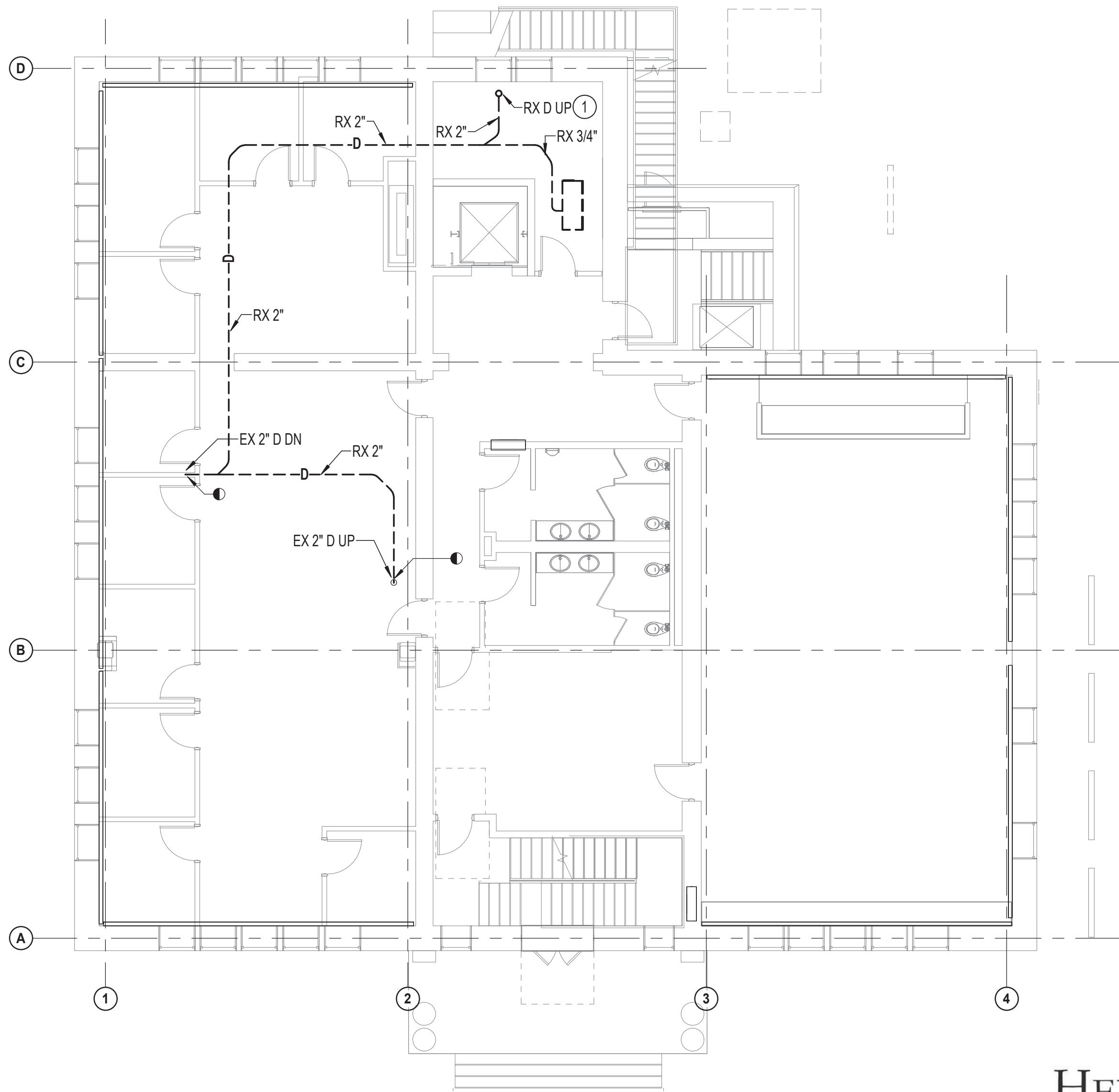
SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

① DRAIN PIPE DOES NOT APPEAR TO SERVE ANY DRAINS OR EQUIPMENT. CONTRACTOR SHALL VERIFY. IF DRAIN IS ABANDONED CAP IN VERTICAL. IF OTHER CONDITIONS EXIST CONTRACTOR SHALL NOTIFY THE COUNTY PRIOR TO REMOVAL.



1
P-2
1/8" = 1'-0"

GROUND FLOOR PLAN - PLUMBING - DEMOLITION



2
P-2
1/8" = 1'-0"

FIRST FLOOR PLAN - PLUMBING - DEMOLITION

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Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
P-2	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 38 OF 61	
DRAWING NUMBER	2025-2635
FILE NO.:	8

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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										PROFILE SCALE: _____		DATE: _____	
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:										
DATE: 01/23/2026	BY: _____	CHKD BY: PJP	DATE REVIEWED:										

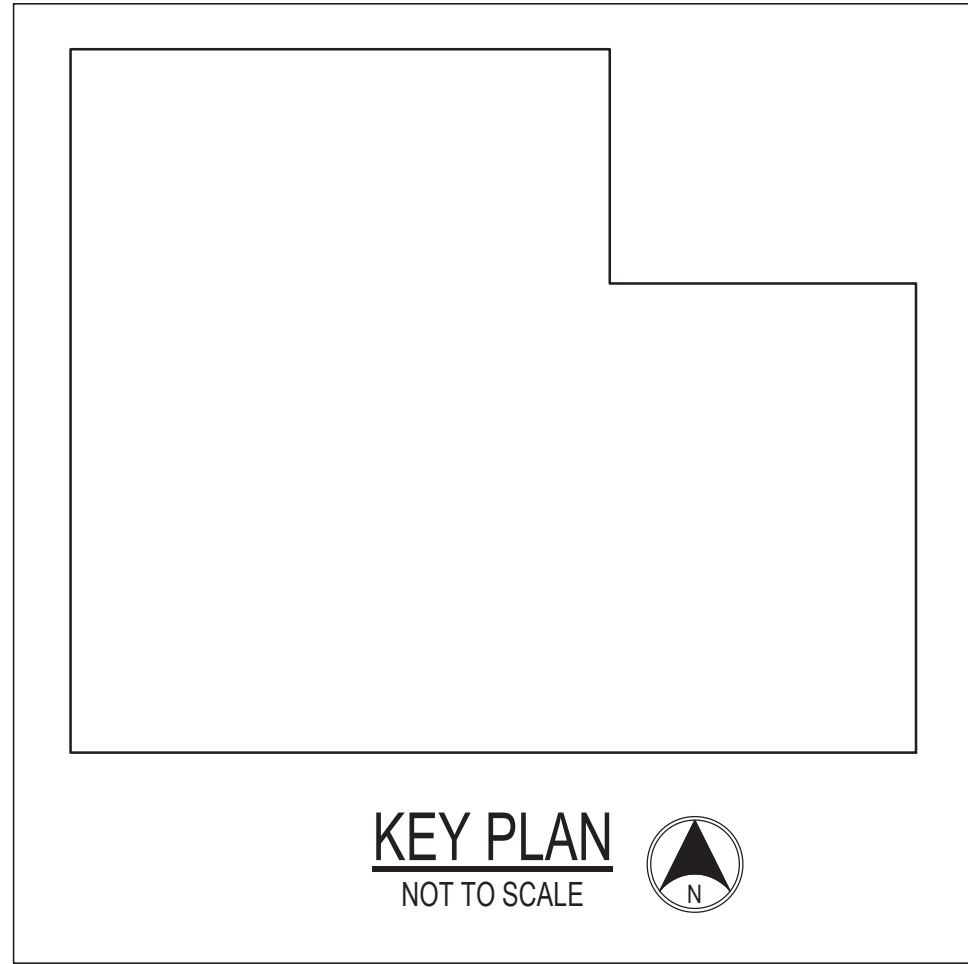
SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND & FIRST FLOOR PLAN - PLUMBING - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

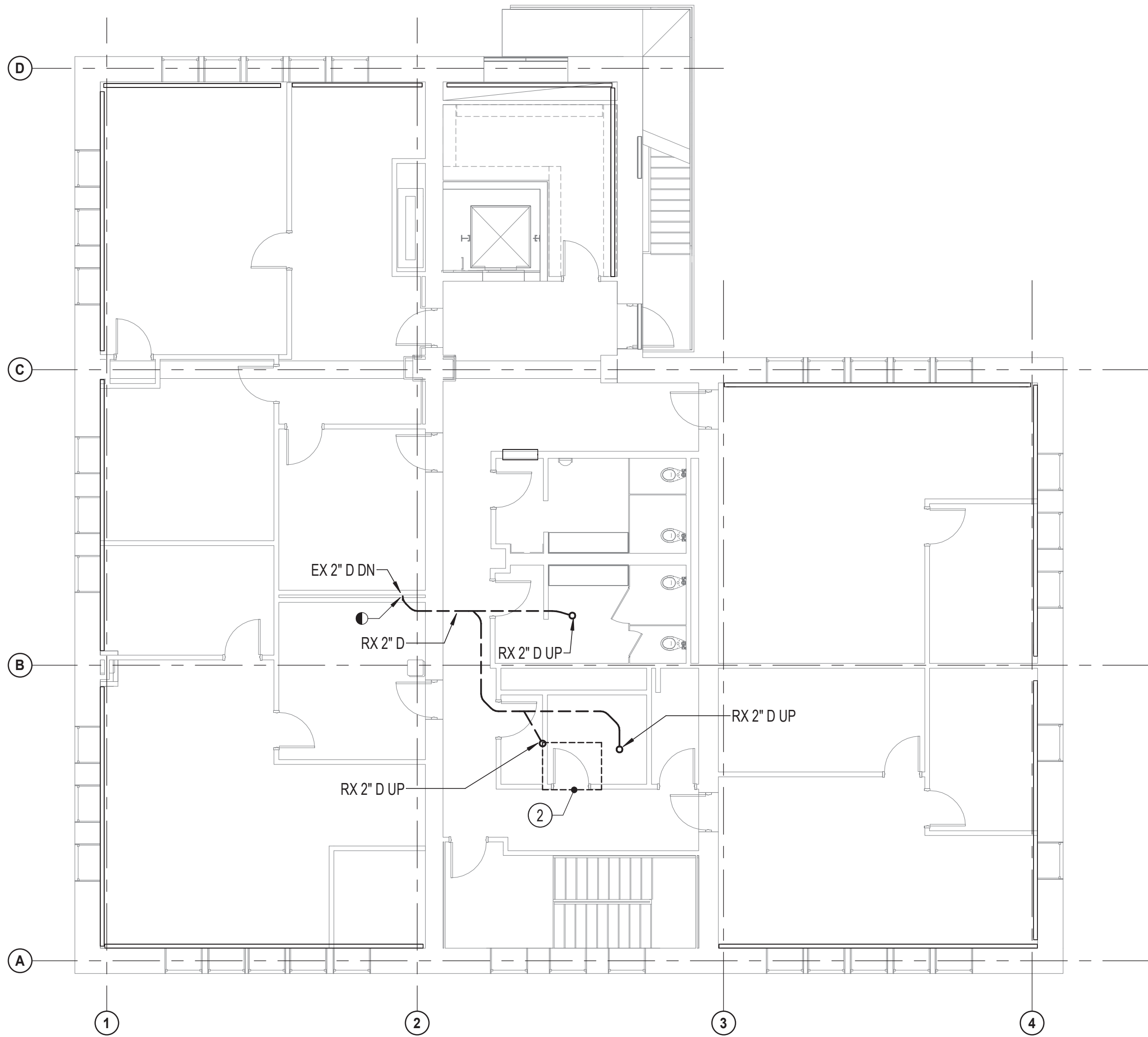
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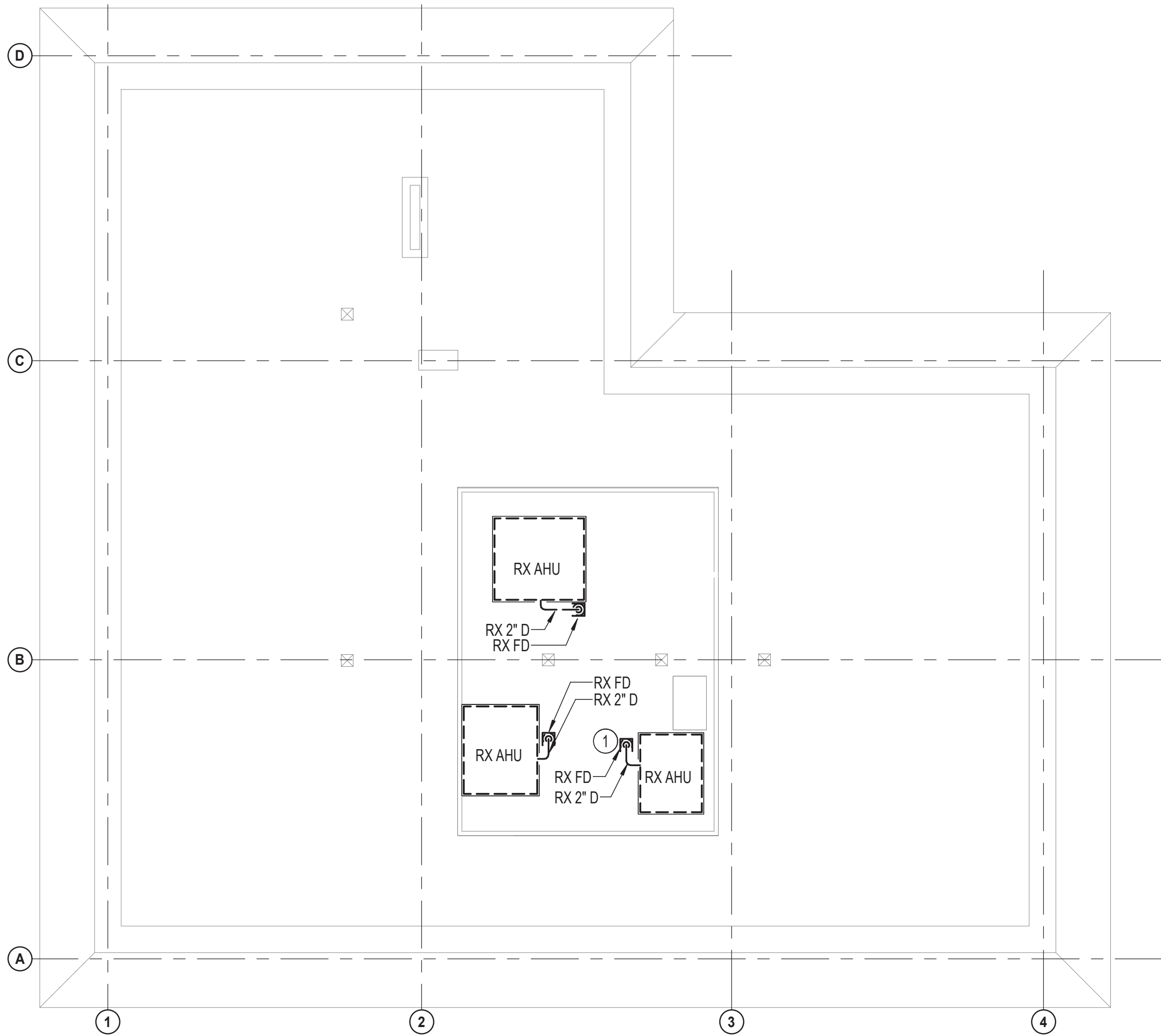


- SPECIAL NOTES:**
(APPLICABLE TO THIS DRAWING ONLY)
- ① REPAIR FLOOR TO MATCH ADJACENT.
 - ② SERVICES BELOW ATTIC ACCESS HATCH SHALL BE TEMPORARILY REMOVED TO ALLOW INSTALLATION OF THE NEW MECHANICAL EQUIPMENT.



1
P-3
1/8" = 1'-0"

SECOND FLOOR PLAN - PLUMBING - DEMOLITION



2
P-3
1/8" = 1'-0"

ATTIC PLAN - PLUMBING - DEMOLITION

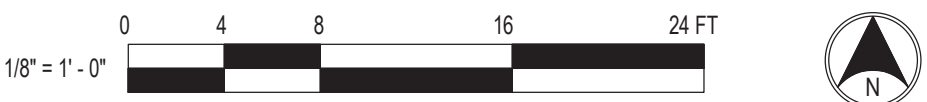
HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

SEAL DATE: 01/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT	
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			BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	ENGINEER: PETER PUSZCZ		DGN BY: DJV								
	AS-BUILT PER RECORD PRINT		DWN BY: DJV								

BY: _____	CHKD BY: PJP	DATE REVIEWED: _____									
DATE: _____											

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT				HUMAN RESOURCES BUILDING			
SECOND FLOOR & ATTIC PLAN - PLUMBING - DEMOLITION				HVAC RENOVATION			
SUBDIVISION: TOWSON				308 ALLEGHENY AVE, TOWSON, MD 21204			
				ELECTION DIST. NO.: 9c6			

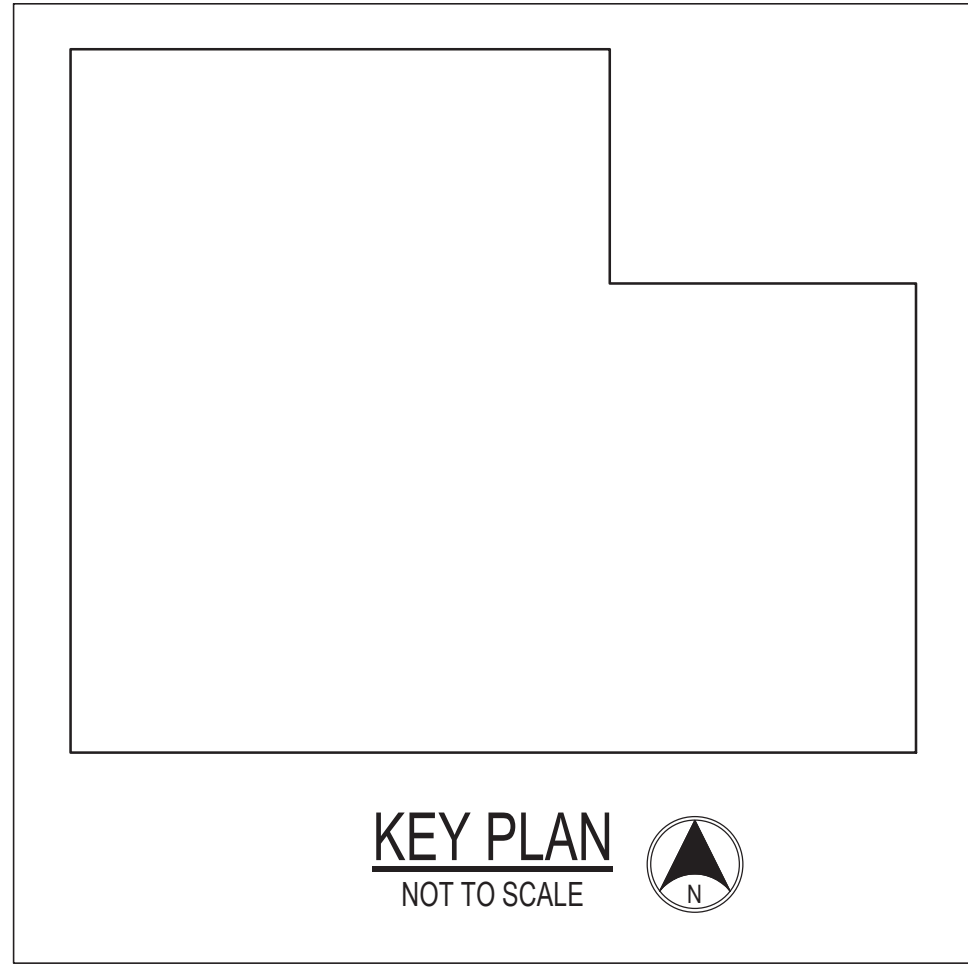
SHEET DESIGNATION	CONTRACT NUMBER
P-3	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 39 OF 61	DRAWING NUMBER
	2025-2636
	FILE NO.: 8



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

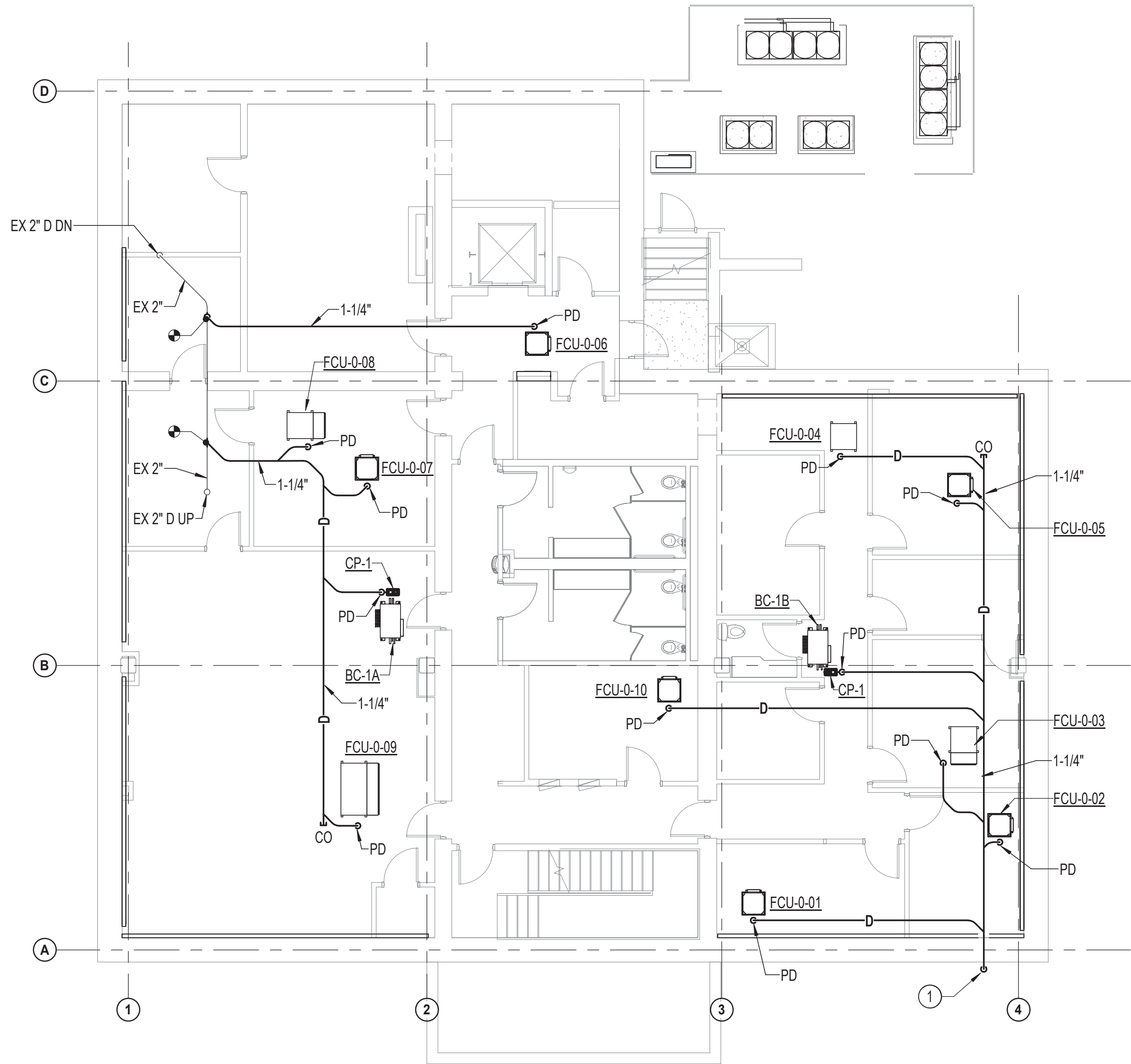


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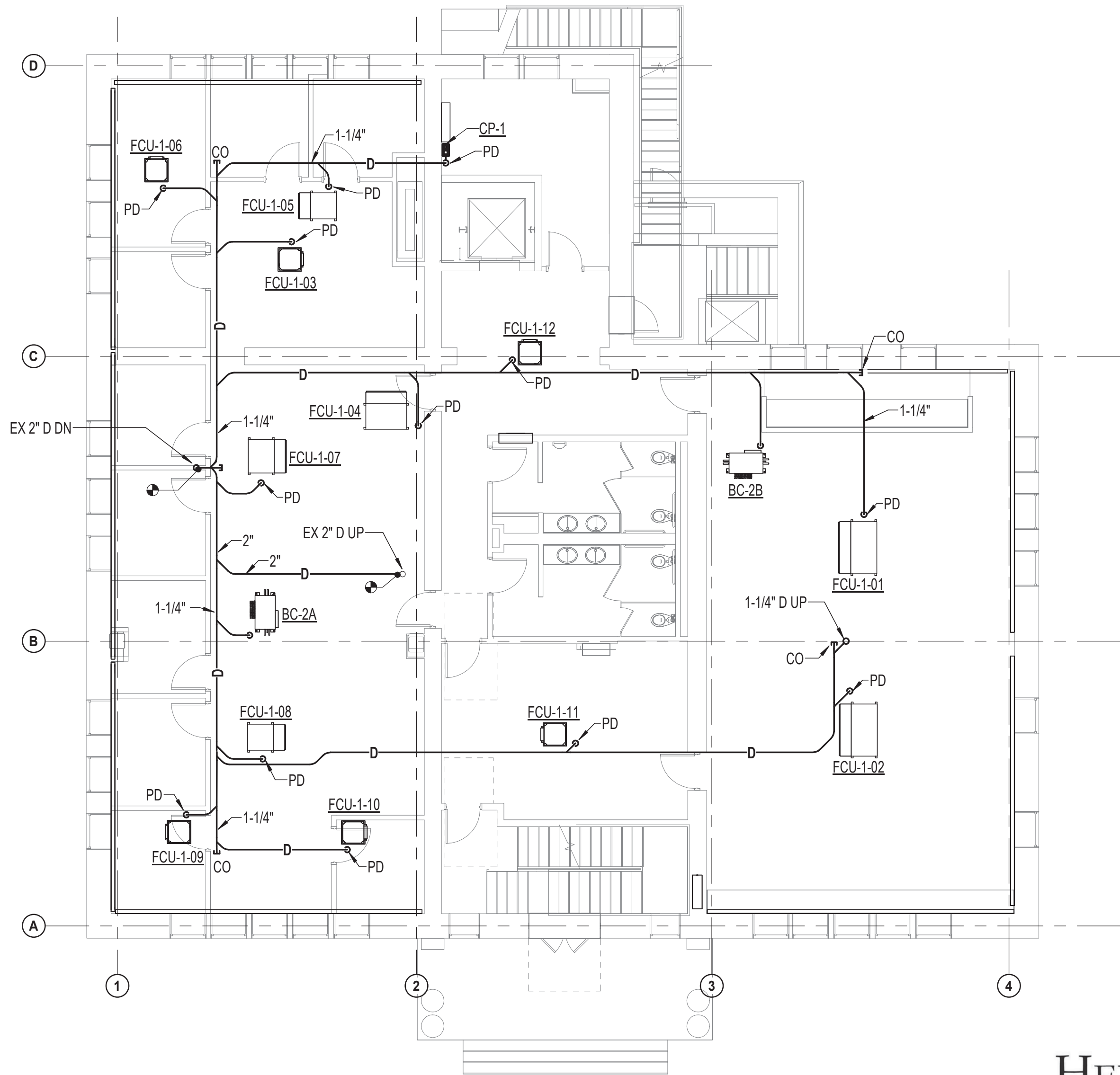
SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

① DISCHARGE AT GRADE TO SPLASH BLOCK.



1
P-4
1/8" = 1'-0"

GROUND FLOOR PLAN - PLUMBING - NEW WORK



2
P-4
1/8" = 1'-0"

FIRST FLOOR PLAN - PLUMBING - NEW WORK

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
P-4	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 40 OF 61	
DRAWING NUMBER	2025-2637
FILE NO.:	8

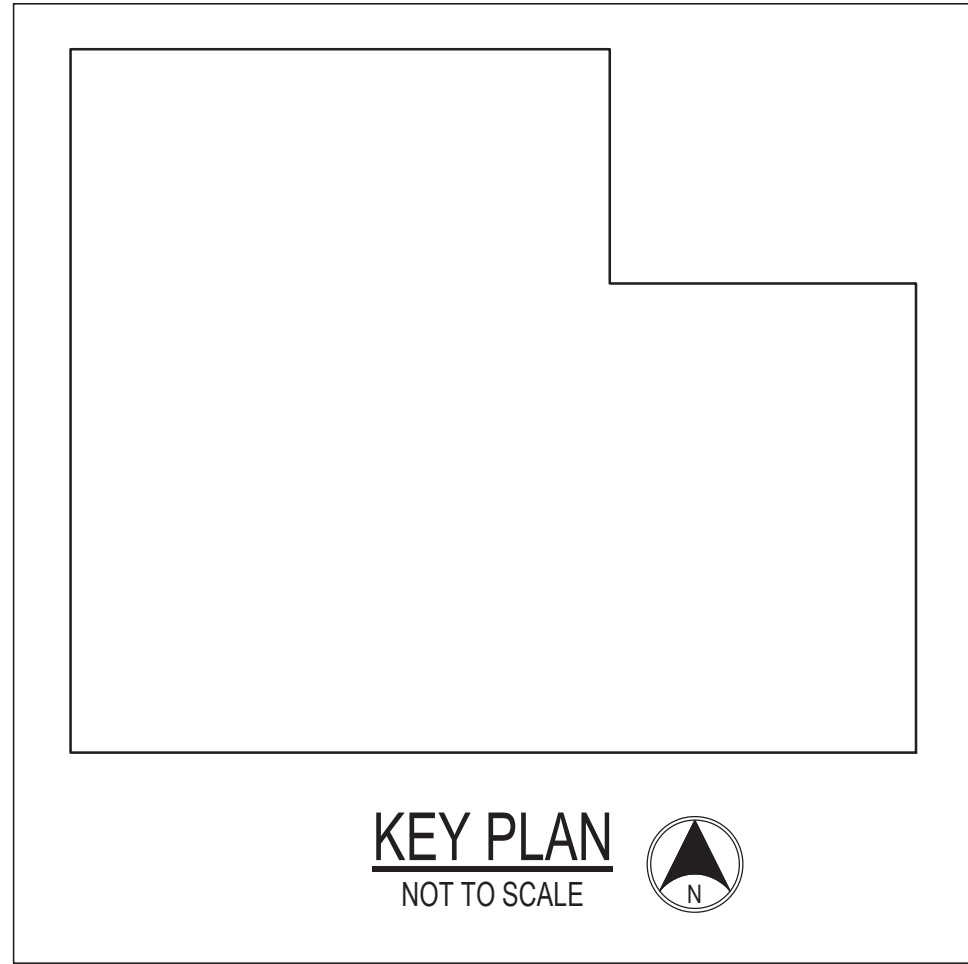
	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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	ENGINEER: PETER PUSZCZ		DGN BY: D.J.V.	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT		DWN BY: D.J.V.	REVIEWED BY:										
BY: _____ DATE: _____		CHKD BY: P.J.P.	DATE REVIEWED:										
DATE: 01/23/2026													

SUBDIVISION: TOWSON

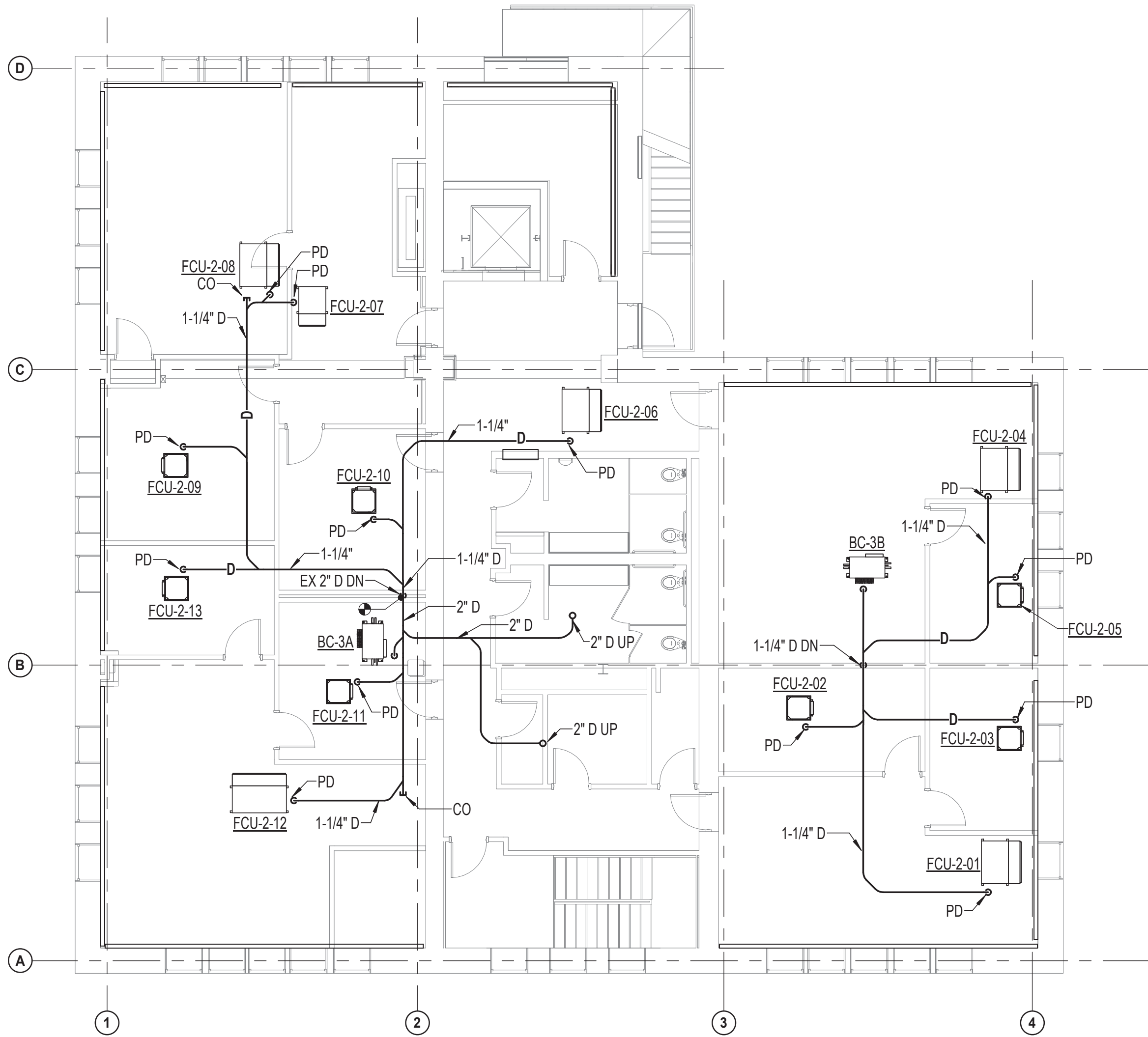
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND & FIRST FLOOR PLAN - PLUMBING - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

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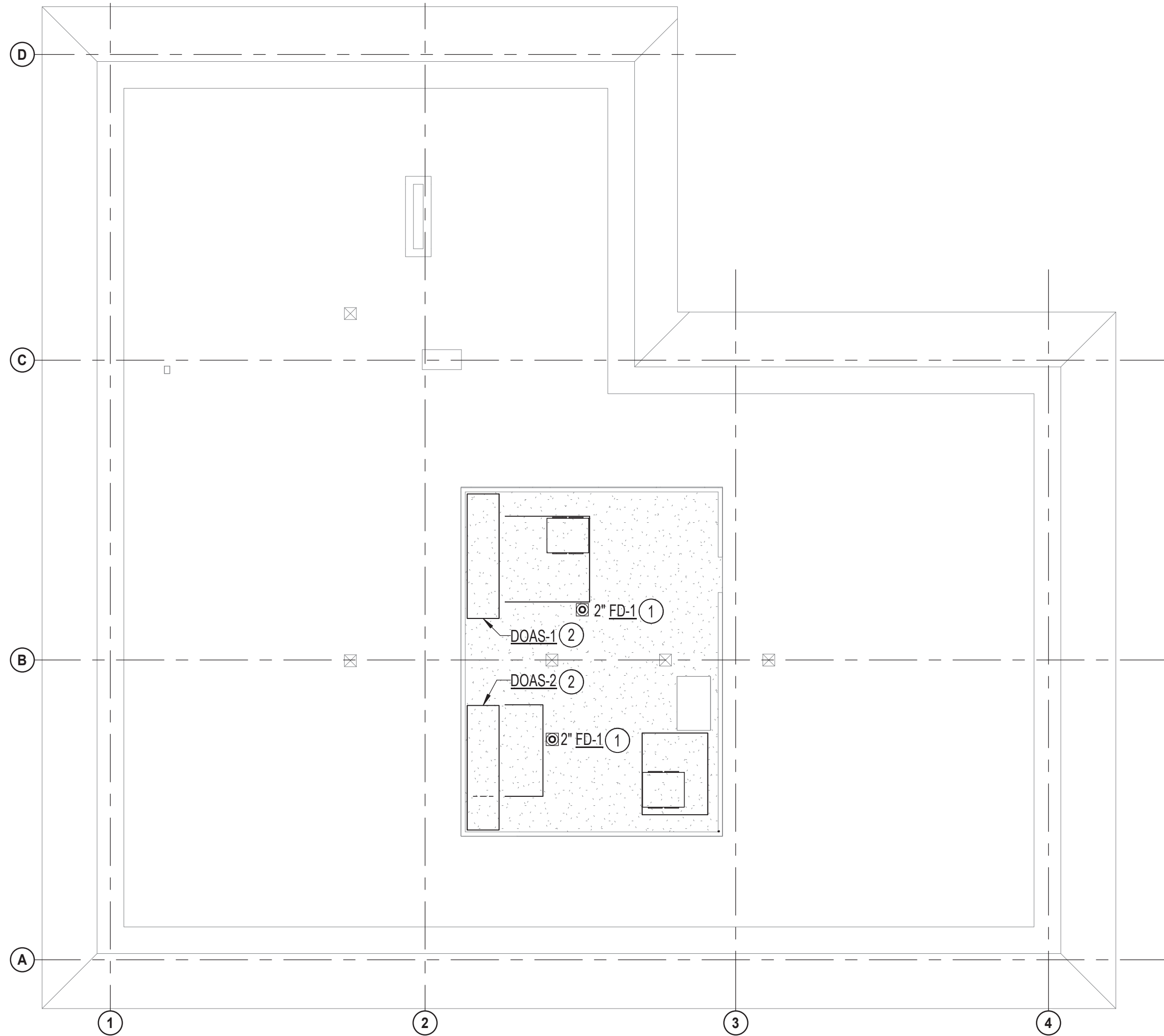


KEY PLAN
NOT TO SCALE



1
P-5
1/8" = 1'-0"

SECOND FLOOR PLAN - PLUMBING - NEW WORK



2
P-5
1/8" = 1'-0"

ATTIC PLAN - PLUMBING - NEW WORK

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MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
P-5	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 41 OF 61	
DRAWING NUMBER	2025-2638
FILE NO.:	8

	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:											
BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:											

DATE: 01/23/2026

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SECOND FLOOR & ATTIC PLAN - PLUMBING - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

1/23/2026 8:18:32 AM

FIRE PROTECTION ABBREVIATIONS	
(APPLICABLE TO ALL FIRE PROTECTION DRAWINGS)	
EX	EXISTING
F	FIRE / FIRE LINE
FDV	FIRE DEPARTMENT VALVE
FEC	FIRE EXTINGUISHER CABINET
FP	FIRE PUMP / FIRE PROTECTION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
SP	SPRINKLER PIPING

FIRE PROTECTION LEGEND	
(APPLICABLE TO ALL FIRE PROTECTION/ DRAWINGS)	
SYMBOL	DESCRIPTION
	CONDENSATE DRAIN
	CONNECT TO EXISTING
	END POINT OF REMOVAL OF EXISTING
	PLAN/ SECTION DESIGNATION TOP - PLAN/ SECTION REFERENCE, BOTTOM - REFERENCED DRAWING
	ANCHOR
	CAP (PIPE OR DUCT)
	SHUTOFF VALVE
	FIRE LINE
	SPRINKLER PIPING
	DRY SPRINKLER PIPING
	PENDANT SPRINKLER
	SIDEWALL SPRINKLER
	UPRIGHT SPRINKLER
	ALARM CHECK VALVE
	FIRE SERVICE CHECK VALVE
	FLOW ALARM SWITCH
	SUPERVISED VALVE

GENERAL FIRE PROTECTION NOTES	
(APPLICABLE TO ALL FIRE PROTECTION DRAWINGS)	
1. PRIOR TO SUBMITTING SHOP DRAWINGS TO ENGINEER FOR EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS, COORDINATE ELECTRICAL REQUIREMENTS BETWEEN CONTRACTORS OF ALL TRADES ASSOCIATED WITH THE INSTALLATION. THE GENERAL CONTRACTOR'S STAMP ON THE SUBMITTAL MUST STATE THAT COORDINATION BETWEEN ALL TRADES HAS BEEN VERIFIED AND THAT THE SUBMITTAL HAS BEEN APPROVED FOR ENGINEER'S REVIEW. IF CONTRACTOR SUBMITS EQUIPMENT WITH POWER REQUIREMENTS THAT ARE DIFFERENT FROM POWER CONNECTION INDICATED ON THE CONTRACT DOCUMENTS, CONTRACTOR MUST PROVIDE A REASON FOR THE CHANGE AND WRITTEN CONFIRMATION THAT THE CHANGE HAS BEEN FULLY COORDINATED WITH ALL ASSOCIATED TRADES. WHERE SUBMITTED EQUIPMENT REQUIRES REVISION TO ELECTRICAL CONNECTION, COORDINATE AND MAKE REQUIRED CHANGES TO PROVIDE A COMPLETE INSTALLATION IN ACCORDANCE WITH APPLICABLE CODES. CHANGE ORDERS AND EXTRAS WILL NOT BE AWARDED DUE TO CONTRACTOR'S FAILURE TO COORDINATE WITH ALL ASSOCIATED TRADES. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE EQUIPMENT SUBMITTALS AMONG THE SUBCONTRACTORS, NOT THE ENGINEER'S. 2. ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "LIGHT" () ARE EXISTING TO REMAIN. DEMOLISH ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND DASHED" () ON DEMOLITION DRAWINGS. PROVIDE ALL PIPING, EQUIPMENT, AND MATERIALS SHOWN "HEAVY AND SOLID" () ON NEW WORK DRAWINGS. 3. PROVIDE AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE RENOVATED AREA INCLUDING PIPING, HANGERS, SPRINKLERS, AND ALL ASSOCIATED EQUIPMENT. ALL WORK AND INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF NFPA 13, NFPA 14, IBC, LOCAL AND STAT AUTHORITIES AND THE SPECIFICATIONS. 4. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH FABRICATION AND INSTALLATION OF WORK. 5. OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONDUCTING WELDING AND CUTTING OPERATIONS. 6. UNLESS OTHERWISE NOTED, INSTALL PIPING OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE, WITH SPACE FOR INSULATION AS REQUIRED. 7. INSTALL EXPOSED PIPING TO MAXIMIZE AESTHETICS AND MINIMIZE OBSTRUCTION TO OCCUPANTS. INSTALL PIPING AND VALVES TIGHT TO CEILINGS AND WALLS AS MUCH AS PRACTICAL WITH SPACE TO REMOVE ACCESSIBLE CEILINGS. COORDINATE PIPING WITH OTHER TRADES. PRIOR TO INSTALLATION, SUBMIT DRAWINGS TO ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL. 8. INSTALL PIPING SO THAT ALL VALVES ARE ACCESSIBLE. 9. COORDINATE FIRE PROTECTION WORK WITH THE WORK OF OTHER TRADES SHOWN ON OTHER DRAWINGS. 10. COORDINATE EXACT SPRINKLER LOCATIONS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLES, DUCTS, STRUCTURAL MEMBERS, LOUDSPEAKERS, AND OTHER DEVICES AND OBSTRUCTIONS ENCOUNTERED. 11. SPRINKLERS INSTALLED IN PROXIMITY TO DUCTS AND OTHER OBSTRUCTIONS MUST BE LOCATED TO MINIMIZE OBSTRUCTION TO DISCHARGE IN ACCORDANCE WITH NFPA 13. 12. PROVIDE SPRINKLER COVERAGE AROUND FIXED OBSTRUCTIONS, SUCH AS LARGE DUCTS, CLOUD CEILINGS, ETC. IN ACCORDANCE WITH NFPA 13. 13. LOCATE SPRINKLERS IN ACCORDANCE WITH NFPA 13. PROVIDE ADDITIONAL SPRINKLERS TO SATISFY REQUIREMENTS OF SYMMETRY AND AESTHETICS. 14. INSTALL SPRINKLER PIPING SO THAT ALL PORTIONS CAN BE DRAINED BACK THROUGH DRAIN VALVES. 15. CERTAIN ITEMS SUCH AS RISES AND DROPS IN PIPING ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND MUST NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS. 16. PATCH PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WITH APPROVED FIRE STOPPING MATERIAL TO MAINTAIN THE RATING OF THE ASSEMBLY. 17. CONCEAL ALL SPRINKLER PIPING IN AREAS PROVIDED WITH SUSPENDED CEILINGS. 18. REFER TO ARCHITECTURAL PLANS AND INTERIOR FINISH SCHEDULES FOR ALL CEILING HEIGHTS. 19. PROTECT SPRINKLERS SUBJECT TO MECHANICAL DAMAGE WITH LISTED GUARDS IN ACCORDANCE WITH NFPA 13. 20. DO NOT CUT, DRILL, BURN OR MODIFY STRUCTURAL MEMBERS AND SYSTEMS. 21. ARRANGE FOR APPROVAL OF SPRINKLER SYSTEM AND CONDUCT TESTS IN ACCORDANCE WITH NFPA 13. 22. SUBMIT FULLY COORDINATED SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND MANUFACTURER'S DATA SHEETS TO ENGINEER FOR APPROVAL BEFORE PURCHASE AND INSTALLATION. COORDINATE FINAL DESIGN OF THE SYSTEM WITH THE ARCHITECT, FIELD CONDITIONS, AND AVAILABLE WATER SUPPLY. 23. PROVIDE ALL NECESSARY PARTS AND ACCESSORIES EVEN THOUGH THE PARTS AND ACCESSORIES ARE NOT SPECIFICALLY MENTIONED OR SHOWN HEREIN. 24. PROVIDE PIPE HANGERS IN ACCORDANCE WITH NFPA 13. HANGER MATERIALS MUST BE UL LISTED AND FM APPROVED. 25. REFER TO SPECIFICATION DIVISION 21 FOR FIRE PROTECTION PIPING REQUIREMENTS. SCHEDULE 10 PIPE IS PROHIBITED.	

SEAL  DATE: 01/23/2026	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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	AS-BUILT PER RECORD PRINT	DWN BY: D.J.V.	REVIEWED BY:										

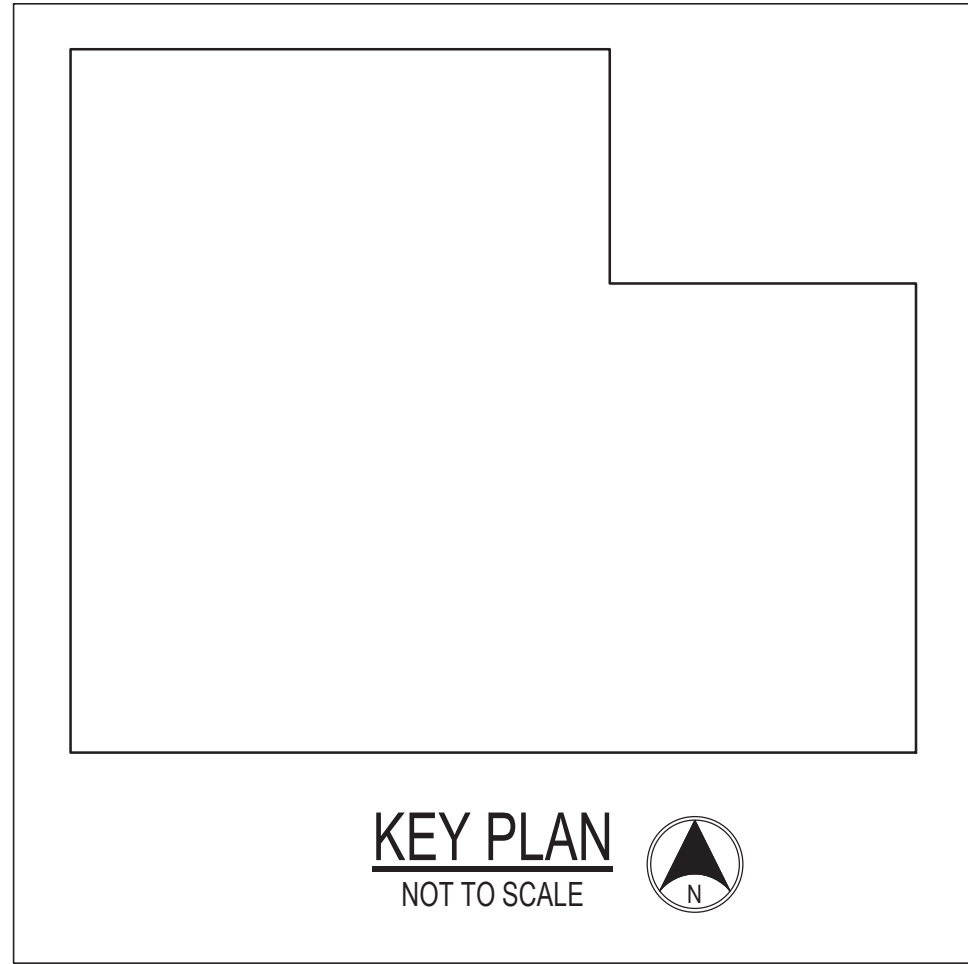
BY: _____	CHKD BY: P.J.P.	DATE REVIEWED:											
DATE: _____													

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT	
HUMAN RESOURCES BUILDING	
FIRE PROTECTION COVER SHEET	
HVAC RENOVATION	
308 ALLEGHENY AVE, TOWSON, MD 21204	
SUBDIVISION: TOWSON	
ELECTION DIST. NO.: 9c6	

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
FP-1	25133 P00
	
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 42 OF 61	
DRAWING NUMBER	
2025-2639	
FILE NO.: 8	

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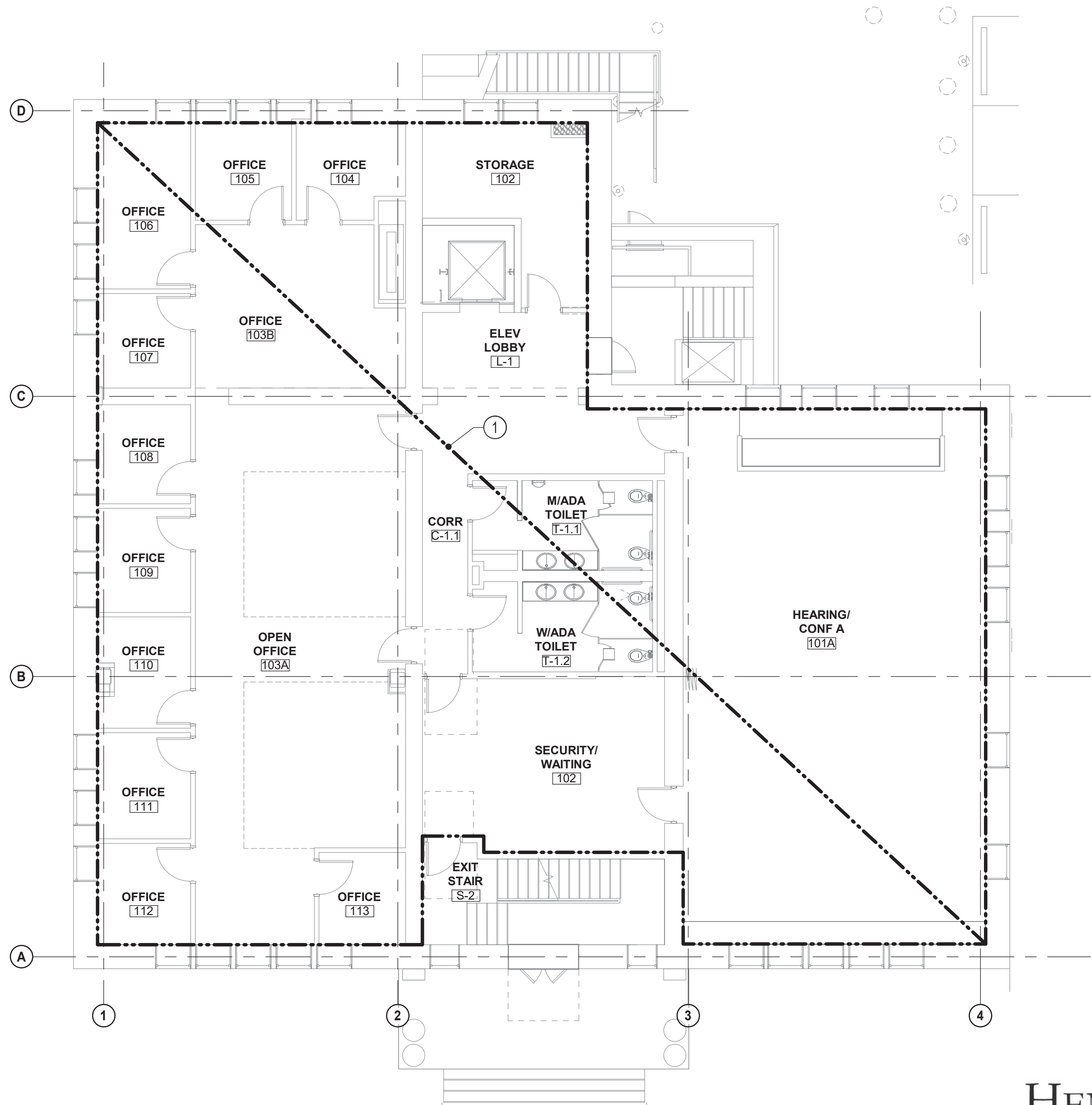


SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

① MODIFY EXISTING SPRINKLER SYSTEM TO FACILITAT REMOVAL AND REINSTALLATION OF CEILINGS DUE TO MECHANICAL SCOPE IN ACCORDANCE WITH NFPA 13.



1 GROUND FLOOR PLAN - FIRE PROTECTION - NEW WORK
1/8" = 1'-0"



2 FIRST FLOOR PLAN - FIRE PROTECTION - NEW WORK
1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
FP-2	25133 P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 43 OF 61	
DRAWING NUMBER	2025-2640
FILE NO.:	8

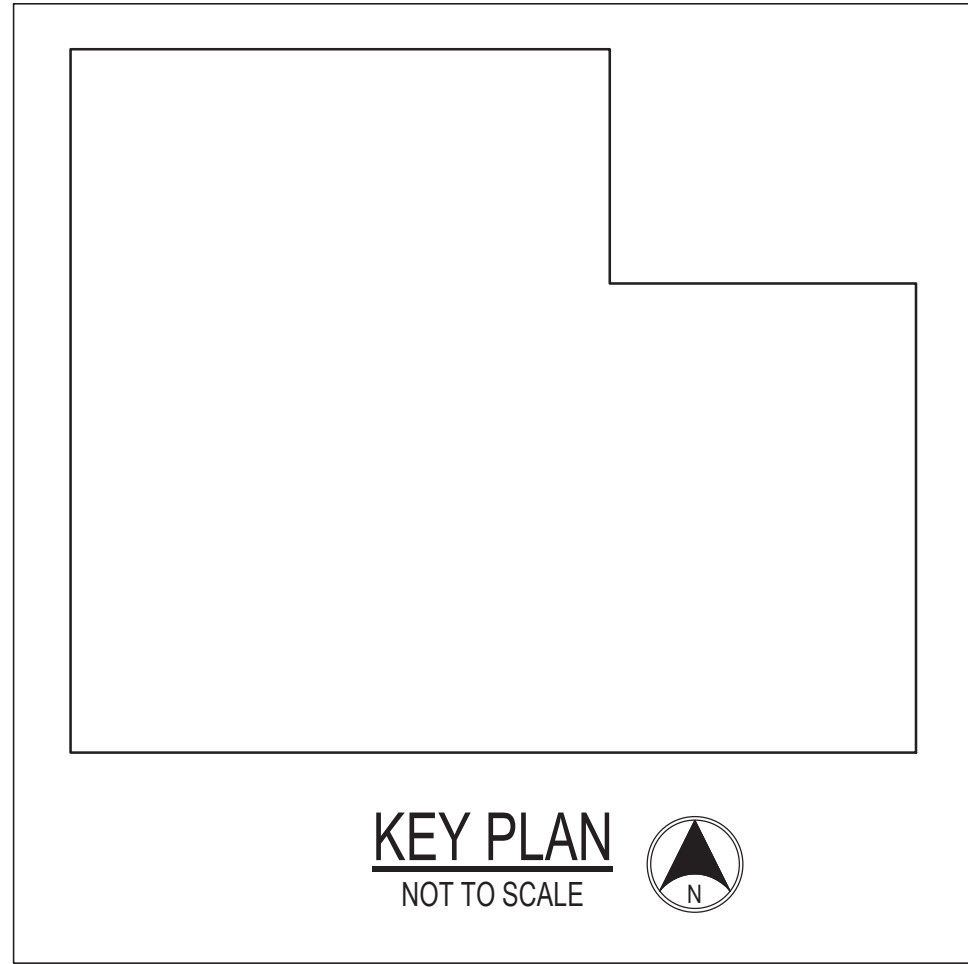
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	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY:						
	BY: _____ DATE: _____	CHKD BY: PJP	DATE REVIEWED:						

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND & FIRST FLOOR PLAN - FIRE PROTECTION - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

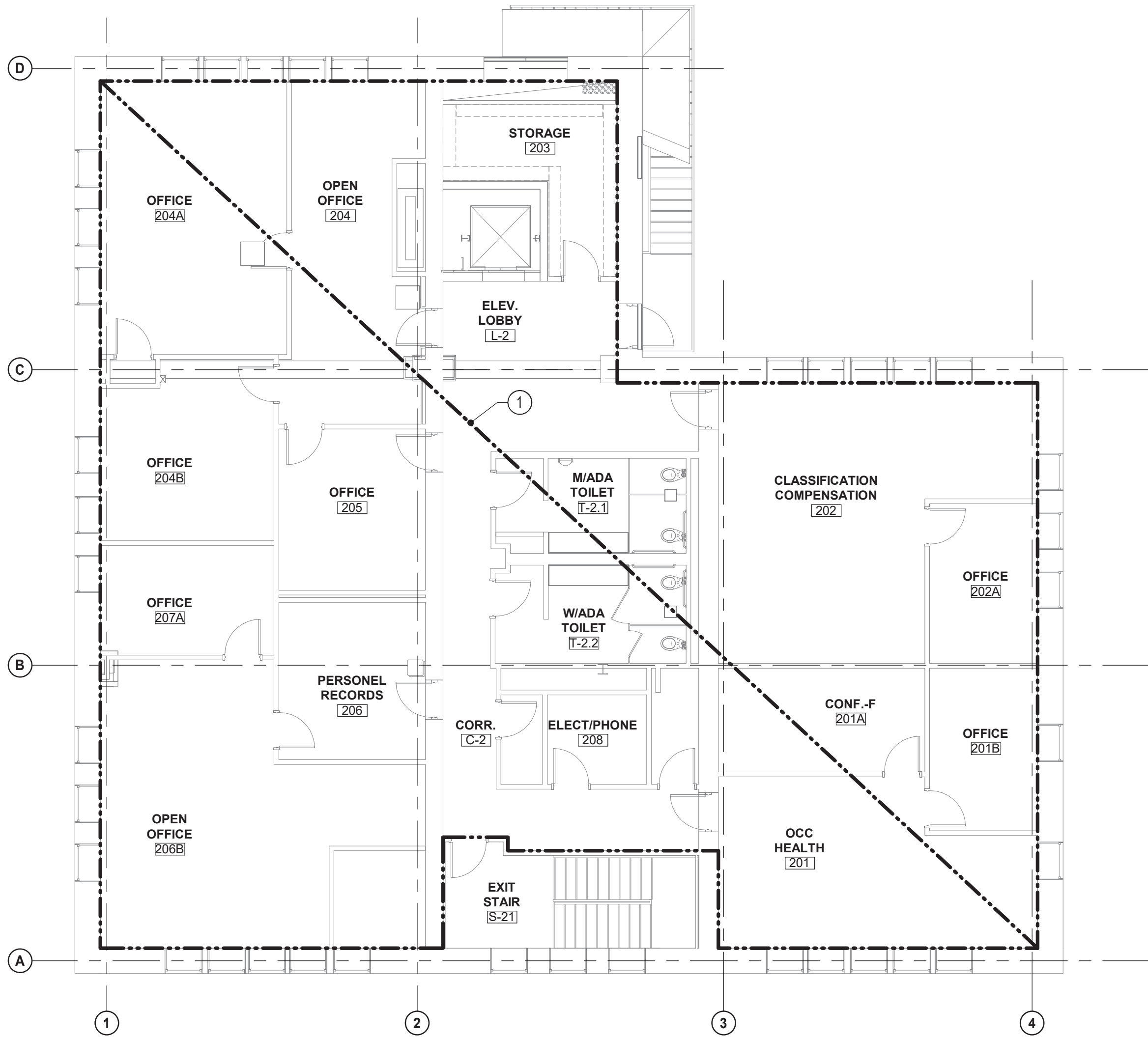
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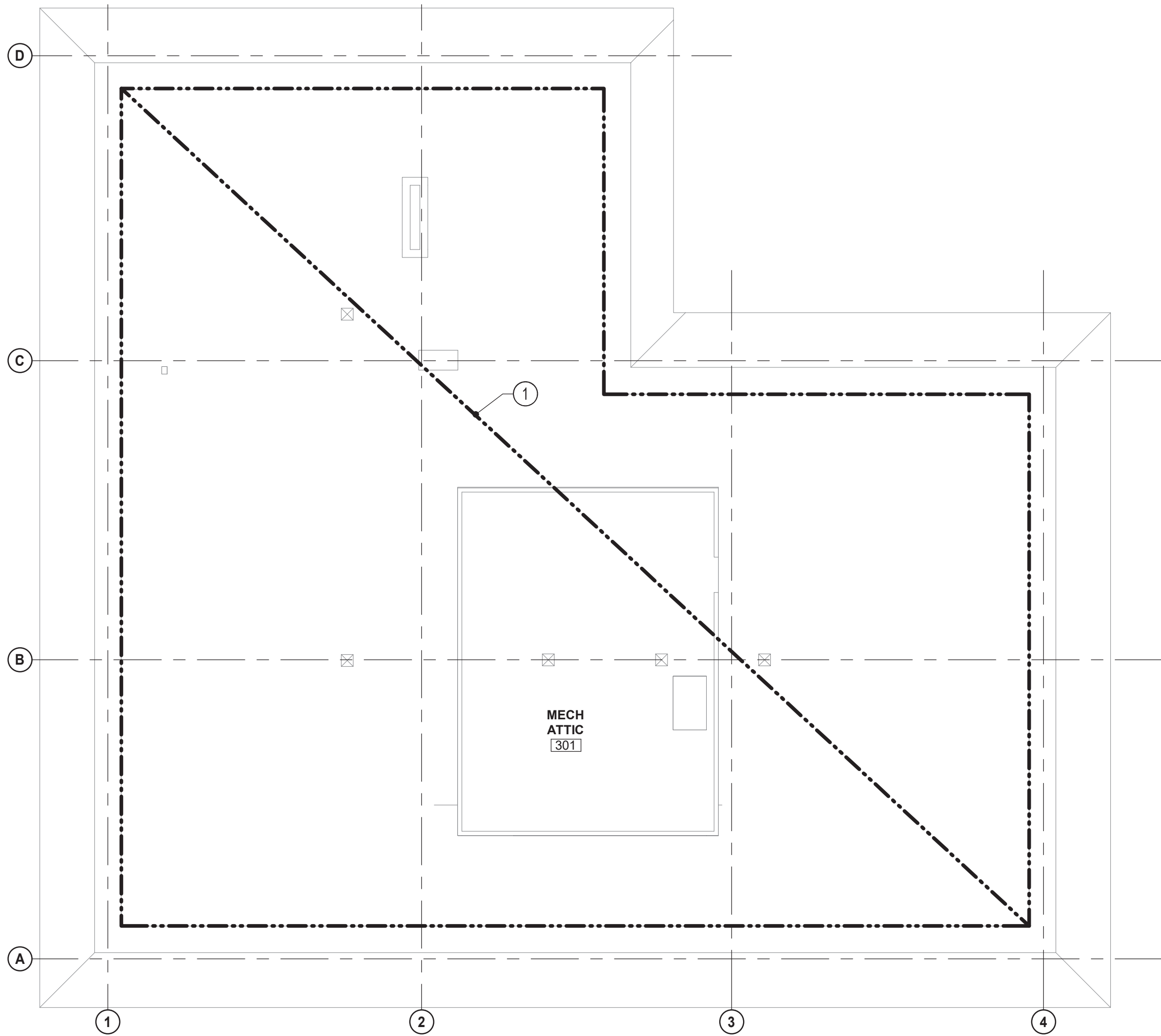


SPECIAL NOTES:
(APPLICABLE TO THIS DRAWING ONLY)

① MODIFY EXISTING SPRINKLER SYSTEM TO FACILITAT REMOVAL AND REINSTALLATION OF CEILINGS DUE TO MECHANICAL SCOPE IN ACCORDANCE WITH NFPA 13.



1 SECOND FLOOR PLAN - FIRE PROTECTION - NEW WORK
1/8" = 1'-0"



2 ATTIC PLAN - FIRE PROTECTION - NEW WORK
1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SEAL  DATE: 01/23/2026	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.						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0"		APPROVED BY: _____	PROPERTY MANAGER
	LICENSE NO. 200470 EXPIRATION DATE: 09/02/2027		CONTRACT COMPLETION BOX							PROFILE SCALE: _____		DATE: _____	
	ENGINEER: PETER PUSZCZ	DGN BY: DJV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER		WATER	FIELD ENGINEER		
	AS-BUILT PER RECORD PRINT	DWN BY: DJV	REVIEWED BY: _____										
	BY: _____												
	DATE: _____	CHKD BY: PJP	DATE REVIEWED: _____										

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SECOND FLOOR & ATTIC PLAN - FIRE PROTECTION - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 9c6

SHEET DESIGNATION	CONTRACT NUMBER
FP-3	25133 PO0
	
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 44 OF 61	
DRAWING NUMBER	
2025-2641	
FILE NO.: 8	

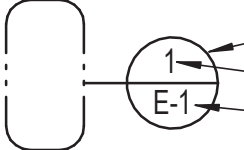
1/23/2026 8:17:43 AM

ELECTRICAL CONVENTIONS

REFERENCE



SECTION DESIGNATION
NUMBER DENOTES SECTION IDENTIFICATION
DRAWING NUMBER WHERE DETAIL IS LOCATED



DETAIL DESIGNATION
NUMBER DENOTES DETAIL IDENTIFICATION
DRAWING NUMBER WHERE DETAIL IS LOCATED



SPECIAL NOTE (APPLIES WHERE INDICATED
ON THE DRAWING)

WIRING



INDICATES PANELBOARD CIRCUIT DESIGNATION
DEVICE TYPE

1,3,5(LP-1)



BRANCH CIRCUIT HOMERUN TO PANEL "LP-1", CIRCUITS #1,3,5
NUMBER OF CIRCUITS INDICATED BY QUANTITY OF ARROW
HEADS.



CONCEALED CONDUIT IN CEILING OR WALLS



CONDUIT IN OR UNDER FLOOR

FIRE ALARM LEGEND		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
 CEILING WALL	FIRE ALARM SYSTEM - SMOKE DETECTOR - AREA - CEILING/WALL MOUNT SUBSCRIPTS: P: PHOTOELECTRIC TYPE (DEFAULT IF NO SUBSCRIPT INDICATED) I: IONIZATION TYPE E: ELEVATOR RECALL FUNCTION DH: DOOR HOLD RELEASE FUNCTION	--
	FIRE ALARM SYSTEM - SMOKE DETECTOR, DUCT DETECTOR WITH SAMPLING TUBE. SUBSCRIPT IDENTIFIES EQUIPMENT TO BE CONTROLLED FOR SHUTDOWN	--
 CEILING WALL	FIRE ALARM SYSTEM - HORN STROBE - CEILING/WALL MOUNT SUBSCRIPTS: C: CO ALARM NOTIFICATION DEVICE WP: WEATHERPROOF WG: WIRE GUARD	-- / 86"
	FIRE ALARM SYSTEM - FIRE ALARM CONTROL UNIT	78" TO TOP

ELECTRICAL ABBREVIATIONS					
A	AMPERE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
ACCU	AIR COOLED CONDENSING UNIT	GFI	GROUND FAULT INTERRUPTER	NESC	NATIONAL ELECTRICAL SAFETY CODE
ACU	AIR CONDITIONING UNIT	GND	GROUND	NF	NON-FUSED
ADJ	ADJUSTABLE	GW	GROUND WIRE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AF	AMPERE FRAME, AMPERE FUSE			NFSS	NON-FUSED SAFETY SWITCH
AFCI	ARC FAULT CIRCUIT INTERRUPTER	HP	HORSEPOWER	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	HPU	HEAT PUMP UNIT	NM	NON-METALLIC
AFG	ABOVE FINISHED GRADE	HVAC	HEATING VENTILATING AIR CONDITIONING	NTS	NOT TO SCALE
AHJ	AUTHORITY HAVING JURISDICTION	HZ	HERTZ		
AHU	AIR HANDLING UNIT			OC	OVERCURRENT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY			OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
AL	ALUMINUM	IBC	INTERNATIONAL BUILDING CODE		
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	ICCB	INSULATED CASE CIRCUIT BREAKER		
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS	IEBC	INTERNATIONAL EXISTING BUILDING CODE	P	POLE(1P, 2P, 3P)
ASYM	ASYMMETRICAL	IECC	INTERNATIONAL ENERGY CONSERVATION CODE	PA	PUBLIC ADDRESS
AT	AMPERE TRIP	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	PF	POWER FACTOR
ATS	AUTOMATIC TRANSFER SWITCH			PH	PHASE
AUX	AUXILIARY	IFC	INTERNATIONAL FIRE CODE		
AWG	AMERICAN WIRE GAUGE	IG	ISOLATED GROUND	QTY	QUANTITY
		IGCC	INTERNATIONAL GREEN CONSTRUCTION CODE		
BAS	BUILDING AUTOMATION SYSTEM			REC	RECEPTACLE
BF	BALLAST FACTOR			RGS	RIGID GALVANIZED STEEL
BGE	BALTIMORE GAS AND ELECTRIC	JB	JUNCTION BOX	RLA	RATED LOAD AMPERES
BLDG	BUILDING			RM	ROOM
BOD	BASIS OF DESIGN	K	ONE THOUSAND, KELVIN	RNC	RIGID NONMETALLIC CONDUIT
BS	BRANCH SELECTOR	KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY	RTU	ROOF TOP UNIT
				RX	REMOVE EXISTING
C	CONDUIT	KCMIL	THOUSAND CIRCULAR MILS		
CB	CIRCUIT BREAKER	KV	KILOVOLTS	SE	SERVICE ENTRANCE
CH	CHILLER	KVA	KILOVOLT-AMPERES	SER	SERVICE ENTRANCE RATED
CKT	CIRCUIT	KW	KILOWATTS	SF	SQUARE FEET
CLG	CEILING			SN	SOLID NEUTRAL
CMS	COMBINATION MOTOR STARTER	LED	LIGHT EMITTING DIODE	SPD	SURGE PROTECTION DEVICE
CO	CARBON MONOXIDE	LF	LINEAR FEET	SS	SAFETY SWITCH
COMM	COMMUNICATION	LRA	LOCKED ROTOR AMPS	ST	SINGLE-THROW
CT	CURRENT TRANSFORMER	LS	LIMIT SWITCH, LONG TIME-SHORT TIME	SW	SWITCH
CU	COPPER	LSI	LONG TIME-SHORT TIME-INSTANTANEOUS	SYM	SYMMETRICAL
CX	CONNECT TO EXISTING				
		LSIG	LONG TIME-SHORT TIME-INSTANTANEOUS GROUND	T	TRANSFORMER
DB	DECIBEL			TA	TRIP AMPERES
DN	DOWN	LTG	LIGHTING	TECH	TECHNOLOGY
DOAS	DEDICATED OUTDOOR AIR SYSTEM	LTS	LIGHTS	TGB	TELECOMMUNICATIONS GROUND BAR
DPST	DOUBLE POLE SINGLE THROW	LV	LOW VOLTAGE	TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
DS	DISCONNECT SWITCH				
DWG	DRAWING	MAX	MAXIMUM	TTB	TELEPHONE TERMINAL BOARD
		MC	METAL CLAD, METER CENTER	TV	TELEVISION
E	EMERGENCY	MCA	MINIMUM CIRCUIT AMPACITY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
EF	EXHAUST FAN	MCB	MAIN CIRCUIT BREAKER	TYP	TYPICAL
ELEC	ELECTRICAL	MCC	MOTOR CONTROL CENTER		
EQUIP	EQUIPMENT	MCCB	MOLDED CASE CIRCUIT BREAKER	UG	UNDERGROUND
EX	EXISTING	MCP	MOTOR CIRCUIT PROTECTOR	UH	UNIT HEATER
		MDP	MAIN DISTRIBUTION PANEL	UL	UNDERWRITERS LABORATORY
F	FUSED, FUSIBLE, FAHRENHEIT	MGB	MAIN GROUND BAR		
FA	FIRE ALARM	MH	MOUNTING HEIGHT	V	VOLTS
FAAP	FIRE ALARM ANNUNCIATOR PANEL	MI	MINERAL INSULATED	VA	VOLT-AMPERES
FACP	FIRE ALARM CONTROL PANEL	MIN	MINIMUM	VFD	VARIABLE FREQUENCY DRIVE
FCU	FAN COIL UNIT	MLO	MAIN LUGS ONLY	VRF	VARIABLE REFRIGERANT FLOW
FDR	FEEDER	MMS	MANUAL MOTOR STARTER	VSD	VARIABLE SPEED DRIVE
FLA	FULL LOAD AMPERAGE	MOCP	MAXIMUM OVERCURRENT PROTECTION		
FP	FAN POWERED, FIRE PUMP			W	WIRE, WATTS
FSS	FUSED SAFETY SWITCH	MOD	MOTOR OPERATED DAMPER	W/	WITH
FT	FEET	MTD	MOUNTED	WP	WEATHERPROOF
				WR	WEATHER RESISTANT
G	GROUND	N	NEUTRAL		
GB	GROUND BAR	NAC	NOTIFICATION APPLIANCE CIRCUIT	XFMR	TRANSFORMER
GD	GENERAL DUTY	NEC	NATIONAL ELECTRICAL CODE		
GEC	GROUNDING ELECTRODE CONDUCTOR	NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION	Y	WYE

ELECTRICAL LEGEND			
SYMBOL		DESCRIPTION	MOUNTING HEIGHT
		LUMINAIRE	--
		ILLUMINATED EXIT SIGN, SINGLE FACE - SEE SCHEDULE FOR TYPE (ARROW INDICATED DIRECTIONAL CHEVRON) (CEILING/WALL MOUNTED)	-- / 90°
		RECEPTACLE - NEMA CONFIGURATION 5-20R (SHADING INDICATES CONNECTED TO EMERGENCY/STANDBY POWER CIRCUIT) SUBSCRIPTS: GF: WITH 5mA GROUND FAULT INTERRUPTER TR: TAMPER-RESISTANT WP: WEATHER-RESISTANT RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER	18"
		JUNCTION BOX - CEILING/WALL MOUNT	-- / AS NOTED
		FRACTIONAL HORSEPOWER MANUAL MOTOR SWITCH	46"
		DOUBLE POLE SINGLE THROW SWITCH	--
		MECHANICAL EQUIPMENT SWITCH, AS NOTED IN MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE	--
		MOTOR	--
		EQUIPMENT, AS NOTED	--
		VARIABLE SPEED DRIVE - PROVIDED BY MECHANICAL	--
		UNIT HEATER, SPACE TYPE	--
		SAFETY SWITCH	60" TO TOP
		ENCLOSED CIRCUIT BREAKER	60" TO TOP
		DUCT MOUNTED SMOKE DETECTOR WITH AIR SAMPLING TUBE	--
		SURGE PROTECTIVE DEVICE	--
		PANELBOARD, SURFACE/FLUSH MOUNT	78" TO TOP
		GROUNDING SYSTEM - GROUND CONNECTION	--
		MOLDED CASE CIRCUIT BREAKER (600V AND BELOW)	--
		FIXED CURRENT TRANSFORMER WITH TURN RATIO	--
		CURRENT LIMITING FUSE (600V AND BELOW)	--
		DISCONNECT SWITCH (600V AND BELOW)	--
		KILOWATT METER (KWH = KILOWATT HOURS)	--
		TRANSFORMER	--
		GROUNDING SYSTEM WYE GROUNDED NEUTRAL WINDING	--
		DELTA WINDING	--

1. THE MOUNTING HEIGHTS GIVEN ON THIS SHEET IN THE ELECTRICAL LEGEND ARE GENERAL, AND MUST BE USED ONLY WHEN MOUNTING HEIGHTS CANNOT BE ESTABLISHED BY REFERENCE TO DETAILS, ELEVATIONS, AND NOTES ON THE DRAWINGS.
2. ALL MOUNTING HEIGHTS, UNLESS OTHERWISE NOTED, MUST BE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET OR DEVICE.
3. HEIGHTS OF ALL ITEMS NOT COVERED BY THE ELECTRICAL LEGEND AND NOT SHOWN ON THE DRAWINGS MUST BE AS DIRECTED BY THE ARCHITECT OR ENGINEER.
4. WHERE PLACING ANY ITEM AT THE HEIGHTS LISTED OR NOTED WILL CAUSE INTERFERENCE WITH THE WORK OF OTHER TRADES, OR IS NOT PHYSICALLY POSSIBLE OR DESIRABLE FOR ONE REASON OR ANOTHER, THE ITEM MUST BE INSTALLED AT A LOCATION APPROVED BY THE ARCHITECT OR ENGINEER.

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

SHEET DESIGNATION	CONTRACT NUMBER
E-1	25133P00
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 45 OF 61
	DRAWING NUMBER
	2024-2642
	FILE NO.: 8

1/25/2026 12:56:26 AM

SEAL	PROFESSIONAL CERTIFICATION				AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
 2020-01-26	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. <u>02418</u> EXPIRATION DATE <u>06/06/2026</u>				CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: <u>1/8" = 1'-0"</u>	APPROVED BY: _____ PROPERTY MANAGER		
													DATE: _____		
	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: <u>NTS</u>		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	ASN-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>		REVIEWED BY:										
	BY: DATE:		CHKD BY: <u>JST</u>		DATE REVIEWED:										
	DATE: <u>2020-01-26</u>														

GENERAL ELECTRICAL DEMOLITION/RENOVATION NOTES

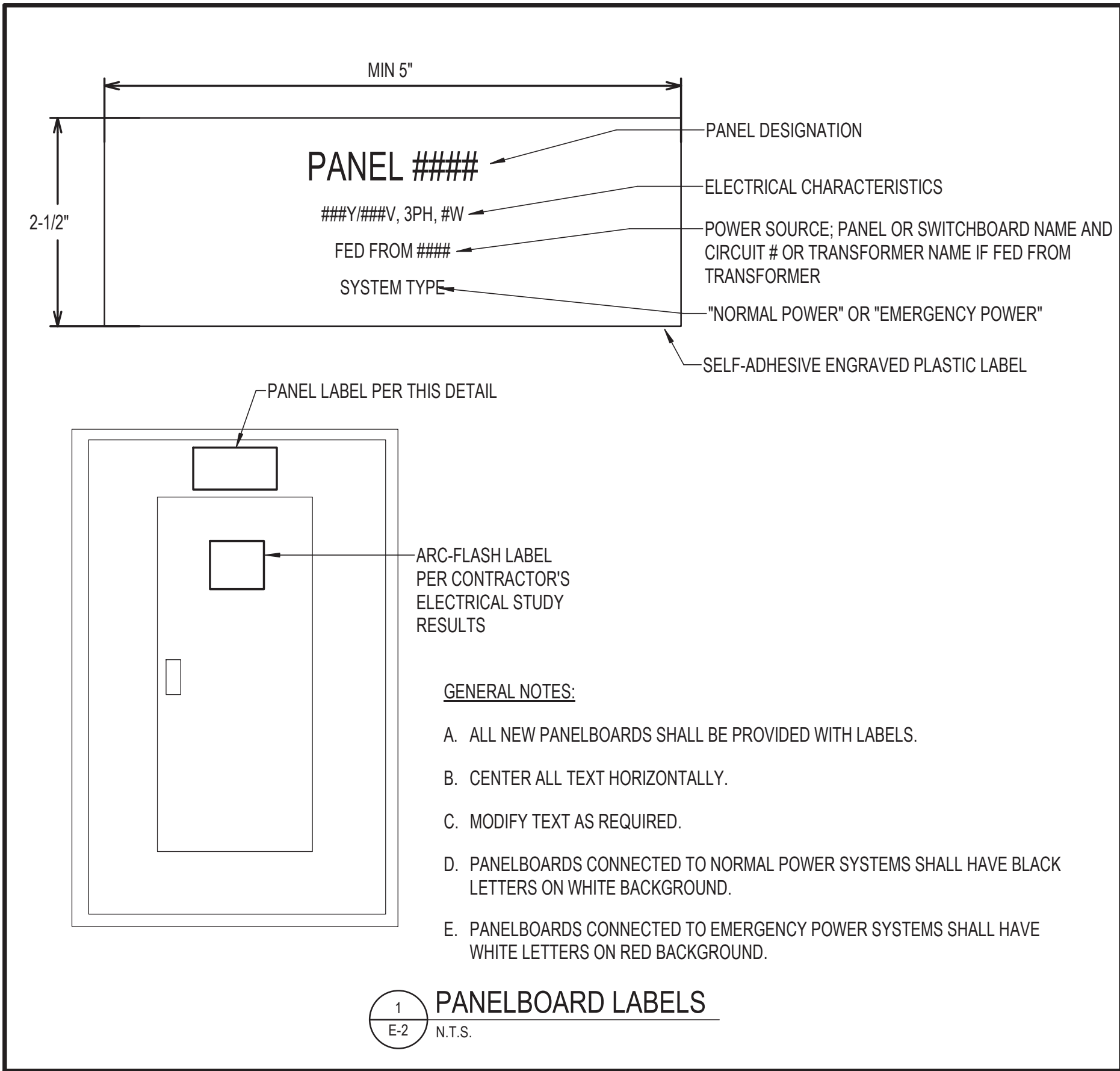
(APPLICABLE TO ALL ELECTRICAL DRAWINGS)

1. THE FACILITY WILL REMAIN OCCUPIED DURING RENOVATIONS.
2. MINIMIZE OUTAGES. COORDINATE OUTAGES WITH OWNER.
3. PRIOR TO DEMOLITION, FIELD VERIFY CONDUITS, CONDUCTORS, AND CABLES THAT PASS THROUGH AND SERVE AREAS OUTSIDE THE SCOPE OF WORK. MAINTAIN CONTINUITY OF SYSTEMS. PROTECT OR RELOCATE SYSTEMS TO PREVENT DAMAGE. RESTORE SYSTEMS TO NORMAL OPERATION. COORDINATE SYSTEM OUTAGES WITH OWNER.
4. IDENTIFY NONFUNCTIONING EQUIPMENT AND DEVICES TO REMAIN AFTER DEMOLITION. NOTIFY OWNER IN WRITING PRIOR TO DEMOLITION. UPON COMPLETION OF WORK, ENSURE THAT EXISTING EQUIPMENT AND DEVICES OPERATE PROPERLY.
5. IN AREAS REQUIRING THE PERFORMANCE OF WORK OF OTHER TRADES, CAREFULLY DISCONNECT, MAKE SAFE, REMOVE AND STORE ELECTRICAL ITEMS IN PATH OF WORK. REINSTALL AND RECONNECT SAME AFTER COMPLETION OF OTHER TRADE'S WORK. COORDINATE REMOVAL OF EQUIPMENT WITH OTHER TRADES PRIOR TO DEMOLITION.
6. AFTER DEMOLITION VERIFY AND SUPPORT REMAINING CABLES, WIRES, AND CONDUIT IN ACCORDANCE WITH THE APPLICABLE VERSION OF THE NEC. DISCONNECT, MAKE SAFE AND REMOVE ABANDONED AND TEMPORARY WIRE WITHIN SPACE.
7. EXISTING CONDITIONS REFLECT GENERAL OBSERVATIONS AND ARE NOT INTENDED TO INDICATE DETAILS OR DIMENSIONS. NO ATTEMPT HAS BEEN MADE TO SHOW ALL ELECTRICAL EQUIPMENT. VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. NOTIFY ENGINEER IN WRITING IF CONDITIONS ARE DISCOVERED THAT PREVENT EXECUTION OF WORK.
8. PROTECT REMAINING ELECTRICAL SYSTEMS AND COMPONENTS FROM DAMAGE. REMOVE PROTECTIVE MATERIALS UPON COMPLETION OF WORK.
9. IN AREAS NOTED TO REMOVE ELECTRICAL WORK, REMOVE CONDUITS AND ASSOCIATED SUPPORTS BACK TO POINT OF CONCEALMENT AND REMOVE WIRING BACK TO REMAINING ACTIVE DEVICES OR SOURCE.
10. DISPOSE OF LIGHTING BALLASTS AND CAPACITORS CONTAINING PCB'S, AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA), IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, FEDERAL AND EPA REGULATIONS.
11. PROVIDE OWNER WITH INVENTORY OF MAJOR ELECTRICAL ITEMS TO BE REMOVED. OWNER WILL SELECT ITEMS TO BE SALVAGED. TURN SALVAGED ITEMS OVER TO OWNER. ITEMS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE DEMOLISHED ITEMS FROM SITE.
12. UPDATE PANELBOARD DIRECTORIES TO INCLUDE MODIFICATIONS BY THIS PROJECT. TRACE CIRCUITS TO IDENTIFY UNLABELED LOADS.
13. REPAIR DISTURBED AREAS TO MATCH EXISTING CONDITIONS.
14. PROVIDE BLANK COVER PLATES FOR DEVICES REMOVED WHEN A REPLACEMENT DEVICE IS NOT INDICATED.
15. MAINTAIN CONTINUITY OF CIRCUITS AND FEEDERS REMAINING AFTER DEMOLITION IN PANELS INDICATED TO BE DEMOLISHED OR REPLACED. EXTEND EXISTING CIRCUITS AND FEEDERS REMAINING AFTER DEMOLITION TO NEW PANELS. CIRCUIT BREAKER, CONDUIT, AND WIRE SHALL MATCH EXISTING TYPES AND SIZES.

GENERAL FIRE ALARM NOTES

(APPLICABLE TO ALL FIRE ALARM DRAWINGS)

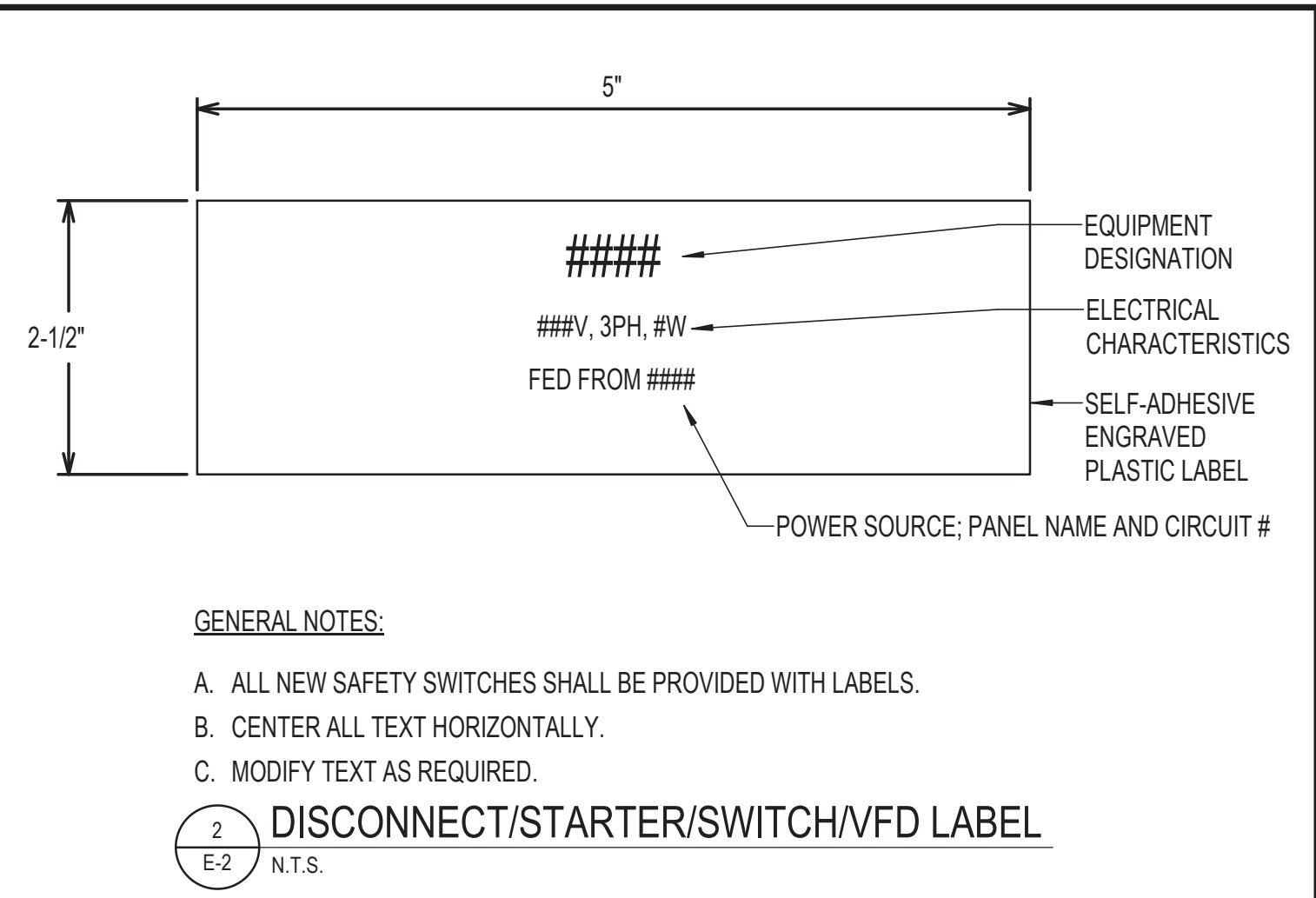
1. DRAWINGS ARE CONCEPTUAL, INTENDED TO SHOW GENERAL SYSTEM CONFIGURATION AND PERFORMANCE. PREPARE SHOP DRAWINGS AND PROVIDE CONDUITS, WIRING, SYSTEM COMPONENTS, AND EQUIPMENT FOR A COMPLETE AND OPERATIONAL SYSTEM IN COMPLIANCE WITH NFPA 70, NFPA 72, NFPA 90A, NFPA 101 IBC, THE AUTHORITY HAVING JURISDICTION, AND THE CONTRACT DOCUMENTS.
2. COORDINATE FIRE ALARM WORK WITH LOCAL FIRE MARSHAL, FIRE ALARM PLANS REVIEW, AND FIRE DEPARTMENT INSPECTORS.
3. OBTAIN AND PAY FOR PERMITS REQUIRED FOR INSTALLATION OF FIRE ALARM SYSTEM. PROVIDE SHOP DRAWING SUBMITTAL DOCUMENTS TO AUTHORITY HAVING JURISDICTION TO OBTAIN PERMIT. SUBMITTAL MUST INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - A. SCALED FLOOR PLANS WITH ROOM NAMES AND NUMBERS WHICH INDICATE USE OF ALL ROOMS.
 - B. FIRE ALARM DEVICE AND CABLE SYMBOL LEGEND
 - C. FLOOR PLAN LAYOUT SHOWING LOCATIONS OF ALL DEVICES AND CONTROL EQUIPMENT, INCLUDING MOUNTING HEIGHTS OF ALARM INITIATING DEVICES AND NOTIFICATION DEVICES.
 - D. FIRE ALARM CONTROL PANEL AND ANNUNCIATOR LOCATION.
 - E. POWER CONNECTION.
 - F. BATTERY CALCULATIONS.
 - G. VOLTAGE DROP CALCULATIONS FOR NOTIFICATION APPLIANCE CIRCUITS.
 - H. SIZE, TYPE, AND NUMBER OF CONDUCTORS.
 - I. MANUFACTURER'S TECHNICAL DATA SHEETS INCLUDING MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT, DEVICES, AND MATERIALS.
 - J. DETAILS OF CEILING HEIGHT AND CONSTRUCTION.
 - K. INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.
 - L. FIRE ALARM SYSTEM RISER.
 - M. SEQUENCE OF OPERATIONS INPUT/OUTPUT MATRIX.
 - N. DEVICE TO DEVICE WIRING.
 - O. LOUDNESS AND CANDELA SETTINGS FOR EVERY NOTIFICATION APPLIANCE.



GENERAL ELECTRICAL NOTES

(APPLICABLE TO ALL ELECTRICAL DRAWINGS)

1. PROVIDE LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, DELEGATED DESIGN AND INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM.
2. PERFORM WORK AS REQUIRED BY APPLICABLE CODES, REGULATIONS AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION.
3. MATERIAL AND EQUIPMENT SHALL BE LISTED AND LABELED BY NATIONALLY RECOGNIZED TESTING LABORATORIES FOR INTENDED SERVICE.
4. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
5. MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET SHALL BE COMPLETE, CURRENT, AND AVAILABLE UPON REQUEST.
6. SUBMIT FOR APPROVAL, SHOP DRAWINGS FOR EQUIPMENT AND MATERIALS USED ON PROJECT. OBTAIN APPROVAL BY ENGINEER PRIOR TO PURCHASE OF EQUIPMENT AND MATERIALS.
7. REPAIR OR REPLACE DAMAGE TO FACILITIES AND EQUIPMENT AT NO ADDITIONAL EXPENSE TO OWNER.
8. PATCH AND REPAIR DISTURBED AREAS TO MATCH ADJACENT SURFACES AND FINISHES.
9. PROVIDE TEMPORARY POWER AND LIGHTING FOR OTHER TRADES AS REQUIRED TO COMPLETE PROJECT IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
10. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. PROVIDE COMPONENTS INDICATED ON RISER DIAGRAMS WHETHER OR NOT INDICATED ON PLANS, AND VICE VERSA.
11. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH OTHER TRADES. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW REQUIRED OFFSETS AND DETAILS. OBTAIN DRAWINGS AND SPECIFICATIONS FROM OTHER TRADES AND COORDINATE WITH OTHER TRADES.
12. COORDINATE ELECTRICAL INSTALLATION WITH FIELD CONDITIONS. LOCATIONS SHOWN ARE DIAGRAMMATIC AND MAY REQUIRE ADJUSTMENT IN FIELD.
13. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATION DRAWINGS PRIOR TO INSTALLATION.
14. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
15. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS REQUIRING SPECIAL CONSTRUCTION.
16. PERMANENTLY LABEL NEW ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, DEVICE DESIGNATION AND SUPPLY CIRCUIT DESIGNATION.
17. PROVIDE EACH CIRCUIT WITH A DEDICATED NEUTRAL UNLESS NOTED OTHERWISE.
18. CONDUIT HOMERUNS SHOWN ON DRAWINGS WITH MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE SHOWN DIAGRAMMATICALLY. DO NOT INSTALL MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A SINGLE RACEWAY UNLESS INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
19. PROVIDE FIRESTOPPING FOR ELECTRICAL PENETRATIONS IN FIRE RATED ASSEMBLIES.
20. INSTALL ELECTRICAL WORK IN A NEAT AND WORKMANLIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE. INSTALL RACEWAYS TIGHT TO STRUCTURAL CEILING AND AS HIGH AS POSSIBLE WITHIN CEILING SPACES TO MAINTAIN MAXIMUM AMOUNT OF CLEAR SPACE BELOW RACEWAY.
21. INSTALL RACEWAYS CONCEALED IN BUILDING FINISHES FOR ALL EXTERIOR MOUNTED DEVICES. DO NOT ROUTE EXPOSED ON BUILDING EXTERIOR.
22. INSTALL RACEWAYS CONCEALED IN WALLS, UNDER FLOORS, ABOVE CEILINGS, ETC., EXCEPT AS FOLLOWS:
 - WHERE SUSPENDED CEILINGS ARE NOT PROVIDED
 - IN VERTICAL SHAFTS, ELECTRICAL CLOSETS, ETC., MECHANICAL AND ELECTRICAL EQUIPMENT SPACES WHERE CONCEALMENT IS NOT PRACTICAL.
 - AT SURFACE-MOUNT PANELBOARDS IN OTHERWISE FINISHED SPACES LIMITED TO VERTICAL RUNS ABOVE AND BELOW PANEL
 - WHERE REQUIRED FOR EQUIPMENT CONNECTIONS
 - WHERE SPECIFICALLY INDICATED ON DRAWINGS
23. OWNER-FURNISHED EQUIPMENT: VERIFY AND COORDINATE ELECTRICAL ROUGH-IN REQUIREMENTS FOR OWNER-FURNISHED EQUIPMENT WITH OWNER PRIOR TO PULLING CONDUCTORS AND MAKING FINAL CONNECTIONS. LACK OF COORDINATION SHALL NOT JUSTIFY CHANGE ORDERS.
24. WHERE SUBMITTED EQUIPMENT REQUIRES REVISION TO OVERCURRENT PROTECTION, CONDUIT, AND WIRING, COORDINATE AND MAKE CHANGE TO PROVIDE A COMPLETE INSTALLATION IN ACCORDANCE WITH APPLICABLE CODES.
25. PROVIDE NECESSARY SUPPORTING STRUT CHANNEL AND ALL MISCELLANEOUS HARDWARE FOR MOUNTING ELECTRICAL EQUIPMENT. MAINTAIN NEC WORKING CLEARANCES. COORDINATE EXACT LOCATION IN FIELD. DO NOT MOUNT ON EQUIPMENT ACCESS PANELS OR IN EQUIPMENT MANUFACTURER'S RECOMMENDED MAINTENANCE CLEARANCES.
26. COORDINATE WORK WITH PHASES INDICATED ON DRAWINGS OF OTHER TRADES.



HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-2	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 46 OF 61 DRAWING NUMBER	2024-2643
FILE NO.:	8

SEAL  2019-01-26	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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AS-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>	REVIEWED BY:										
BY: _____ DATE: _____		CHKD BY: <u>JST</u>	DATE REVIEWED:										

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

HUMAN RESOURCES BUILDING
ELECTRICAL COVER SHEET
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09



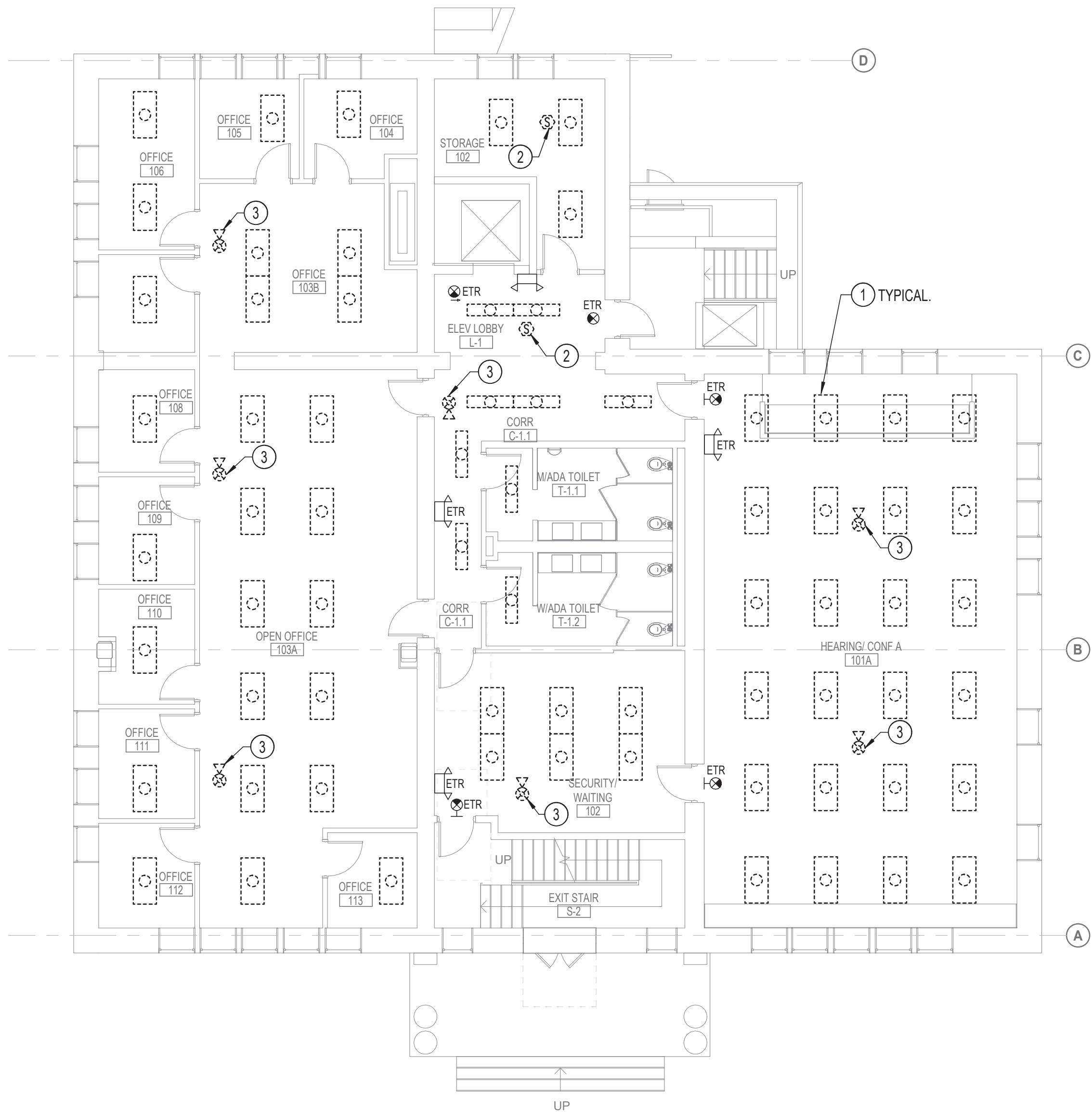
1/25/2026 12:56:31 AM

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED, SALVAGED, AND REINSTALLED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
3. EX LUMINAIRES ON THE GROUND FLOOR ARE FED FROM EX PANEL RP1 LOCATED IN CORRIDOR C-0.2.
4. EX LUMINAIRES ON THE FIRST FLOOR ARE FED FROM EX PANEL RP2 LOCATED IN SECURITY/WAITING 102.

SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① REMOVE, SALVAGE, AND STORE EXISTING LUMINAIRE TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING CONDUIT AND WIRING FOR REUSE.
- ② EX SMOKE DETECTOR FOR ELEVATOR PHASE I EMERGENCY RECALL OPERATION. REMOVE, SALVAGE, AND STORE EX SMOKE DETECTOR TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING FIRE ALARM CONDUIT AND WIRING FOR REINSTALLATION OF SMOKE DETECTOR.
- ③ EX FIRE ALARM NOTIFICATION APPLIANCE. REMOVE, SALVAGE, AND STORE EX HORN/STROBE TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING FIRE ALARM CONDUIT AND WIRING FOR REINSTALLATION OF NOTIFICATION APPLIANCE.



2 FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION
E-3 1/8" = 1'-0"



1 GROUND FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION
E-3 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-3	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 47 OF 61	DRAWING NUMBER
2024-2644	FILE NO.: 8



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. 42418 EXPIRATION DATE 06/06/2026	CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ DATE: _____
ENGINEER: JEANNE S. TEBERA	DGN BY: NTS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
AS-BUILT PER RECORD PRINT	DWN BY: NTS	REVIEWED BY:						
BY: _____	CHKD BY: JST	DATE REVIEWED:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND & FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

SUBDIVISION: TOWSON



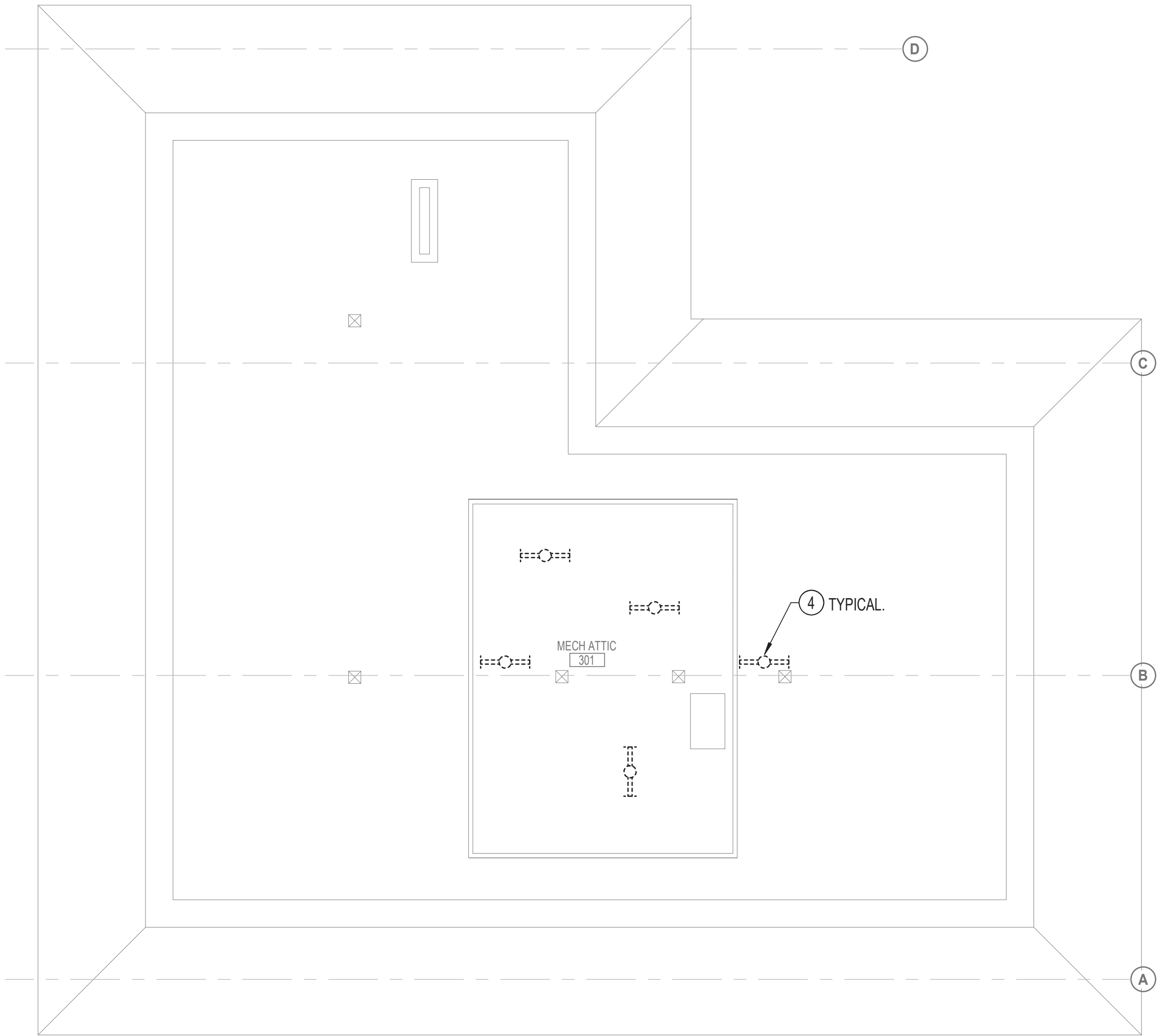
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DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED, SALVAGED, AND REINSTALLED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
3. EX LUMINAIRES ON SECOND FLOOR ARE FED FROM EX PANEL RP3 LOCATED IN CORRIDOR C-2.
4. EX LUMINAIRES IN ATTIC ARE FED FROM EX PANEL MP LOCATED IN MECH ATTIC 301.

SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① REMOVE, SALVAGE, AND STORE EXISTING LUMINAIRE TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING CONDUIT AND WIRING FOR REUSE.
- ② EX SMOKE DETECTOR FOR ELEVATOR PHASE I EMERGENCY RECALL OPERATION. REMOVE, SALVAGE, AND STORE EX SMOKE DETECTOR TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING FIRE ALARM CONDUIT AND WIRING FOR REINSTALLATION OF SMOKE DETECTOR.
- ③ EX FIRE ALARM NOTIFICATION APPLIANCE. REMOVE, SALVAGE, AND STORE EX HORN/STROBE TO ACCOMMODATE REMOVAL OF CEILING TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING FIRE ALARM CONDUIT AND WIRING FOR REINSTALLATION OF NOTIFICATION APPLIANCE.
- ④ REMOVE, SALVAGE, AND STORE EXISTING LUMINAIRE TO FACILITATE INSTALLATION OF MEP WORK. RETAIN EXISTING CONDUIT AND WIRING FOR REUSE.



2 ATTIC FLOOR PLAN - LIGHTING - DEMOLITION
E-4 1/8" = 1'-0"



1 SECOND FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION
E-4 1/8" = 1'-0"



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-4	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 48 OF 61	DRAWING NUMBER
2024-2645	FILE NO.: 8



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. 42418 EXPIRATION DATE 06/06/2026	CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ DATE: _____
ENGINEER: JEANNE S. TEBERA	DGN BY: NTS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
AS-BUILT PER RECORD PRINT	DWN BY: NTS	REVIEWED BY:						
BY: _____ DATE: _____	CHKD BY: JST	DATE REVIEWED:						

PROPERTY MANAGEMENT	PROPERTY MANAGEMENT
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT	HUMAN RESOURCES BUILDING
SECOND FLOOR & ATTIC FLOOR PLAN - LIGHTING & FIRE ALARM - DEMOLITION	HVAC RENOVATION
SUBDIVISION: TOWSON	308 ALLEGHENY AVE, TOWSON, MD 21204
	ELECTION DIST. NO.: 09

SEAL	DATE: 2024-01-26
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HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

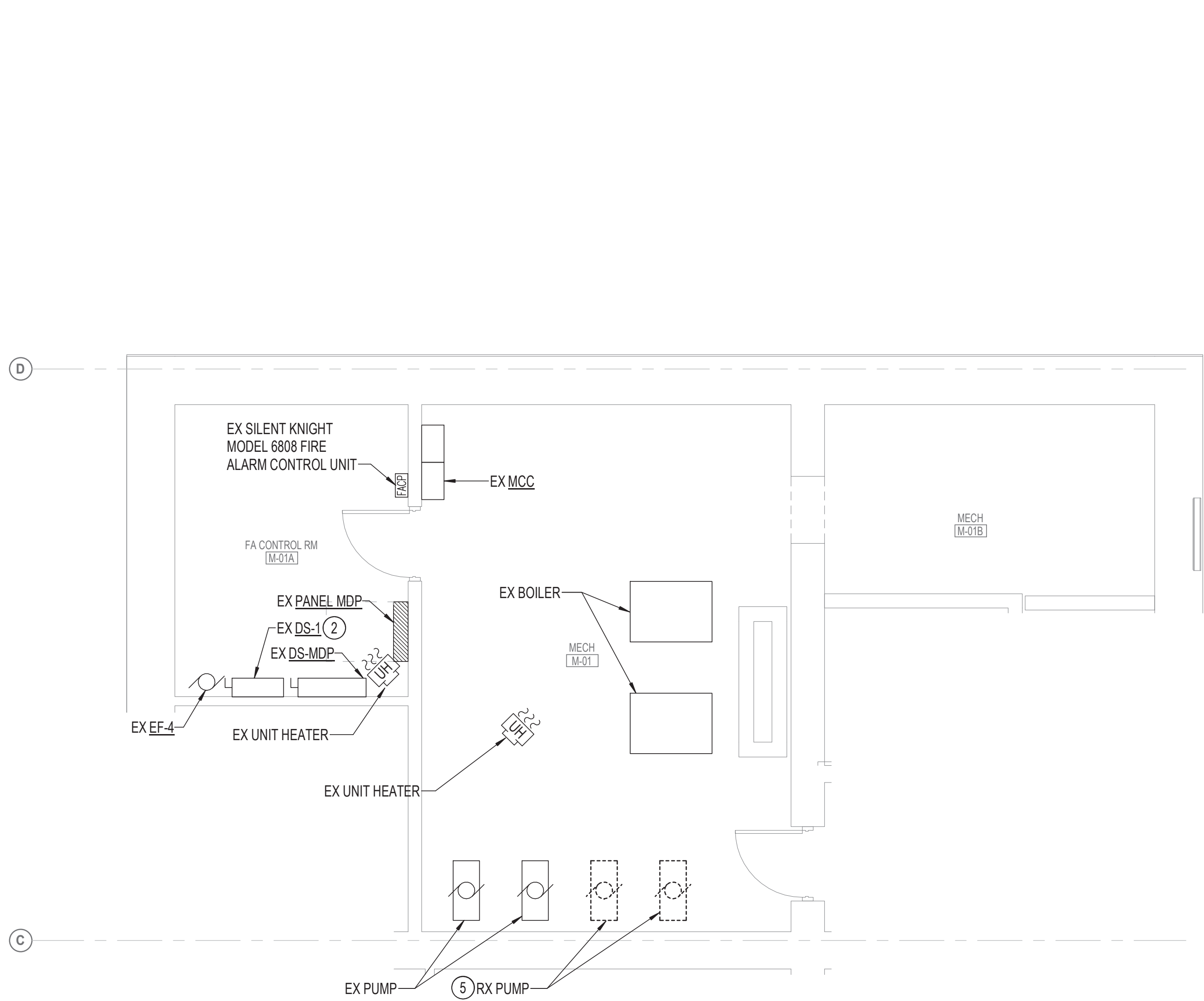
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DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

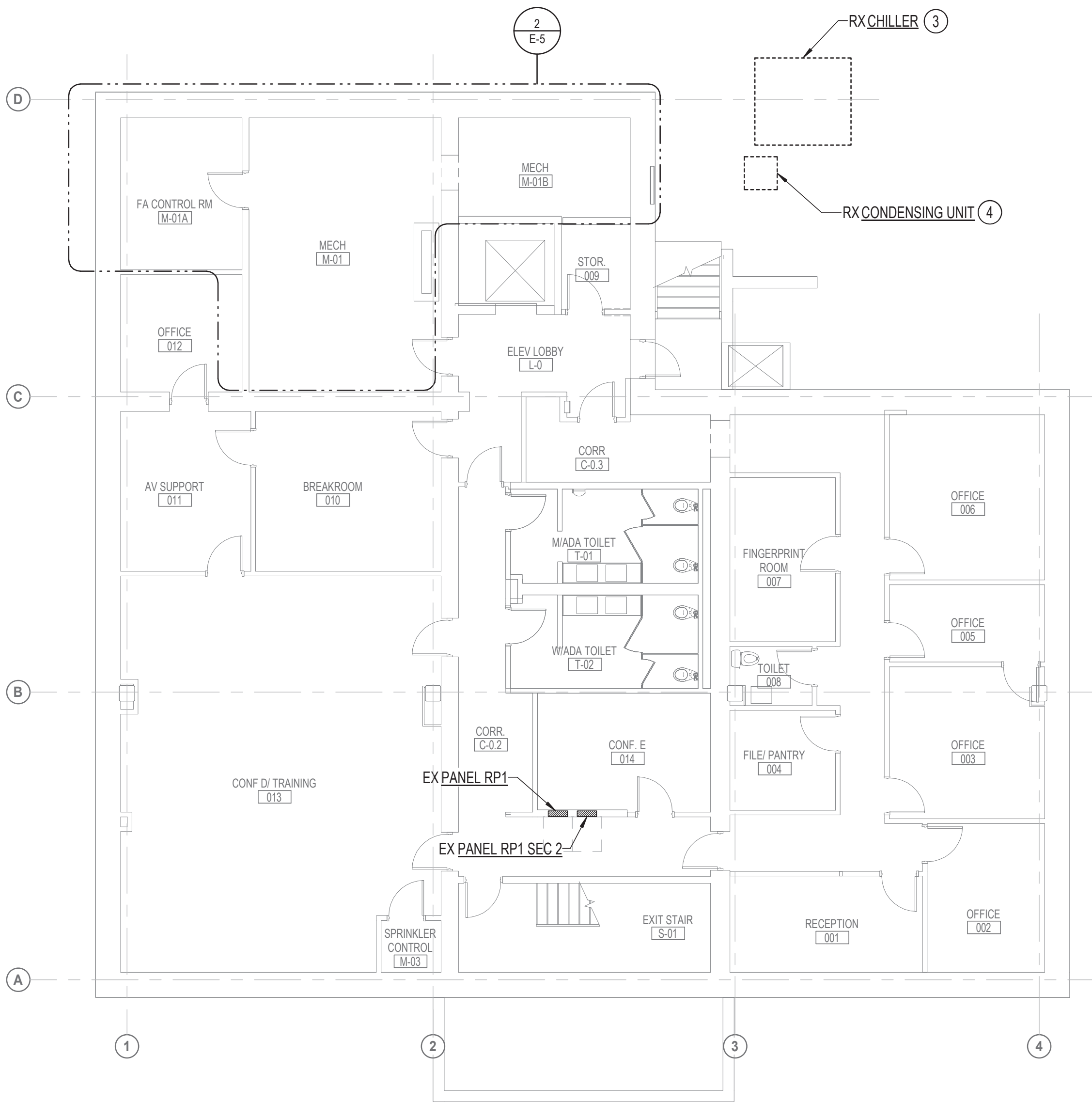
1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (—) INDICATE EXISTING ITEMS TO REMAIN.
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SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① ALL EXISTING ELECTRICAL WORK ON THIS FLOOR TO REMAIN UNLESS OTHERWISE INDICATED.
- ② REMOVE EXISTING 350A FUSES AND TURN OVER TO BALTIMORE COUNTY.
- ③ FED FROM EX DS-1. REFER ONE-LINE DIAGRAM ON SHEET E-13 FOR ADDITIONAL INFORMATION.
- ④ FED FROM EX PANEL MDP. REFER ONE-LINE DIAGRAM ON SHEET E-13 FOR ADDITIONAL INFORMATION.
- ⑤ FED FROM EX MCC. REFER ONE-LINE DIAGRAM ON SHEET E-13 FOR ADDITIONAL INFORMATION.



2 PART PLAN - MAIN ELECTRICAL/MECHANICAL ROOMS - ELECTRICAL DEMOLITION ①
E-5 1/4" = 1'-0"



1 GROUND FLOOR PLAN - POWER - ELECTRICAL DEMOLITION ①
E-5 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

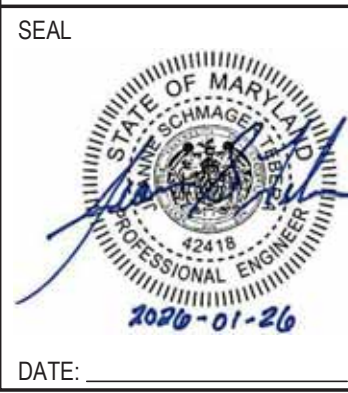
SHEET DESIGNATION	CONTRACT NUMBER
E-5	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 49 OF 61	DRAWING NUMBER
2024-2646	FILE NO.: 8

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. 42418 EXPIRATION DATE 06/06/2026	CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____
ENGINEER: JEANNE S. TEBERA	DGN BY: NTS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
AS-BUILT PER RECORD PRINT	DWN BY: NTS	REVIEWED BY:						
BY: _____ DATE: _____	CHKD BY: JST	DATE REVIEWED:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND FLOOR PLAN - POWER - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

SUBDIVISION: TOWSON



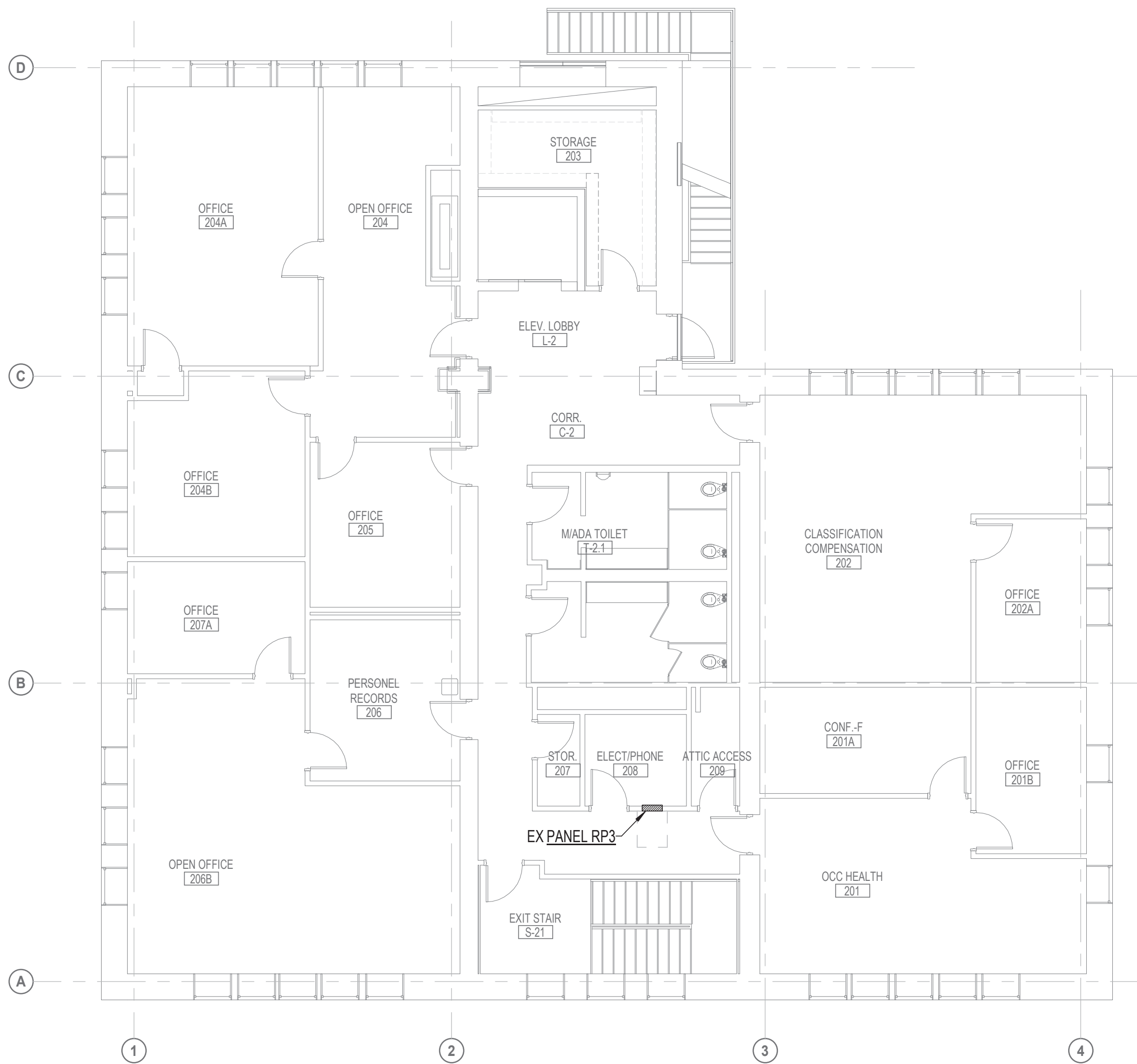
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DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

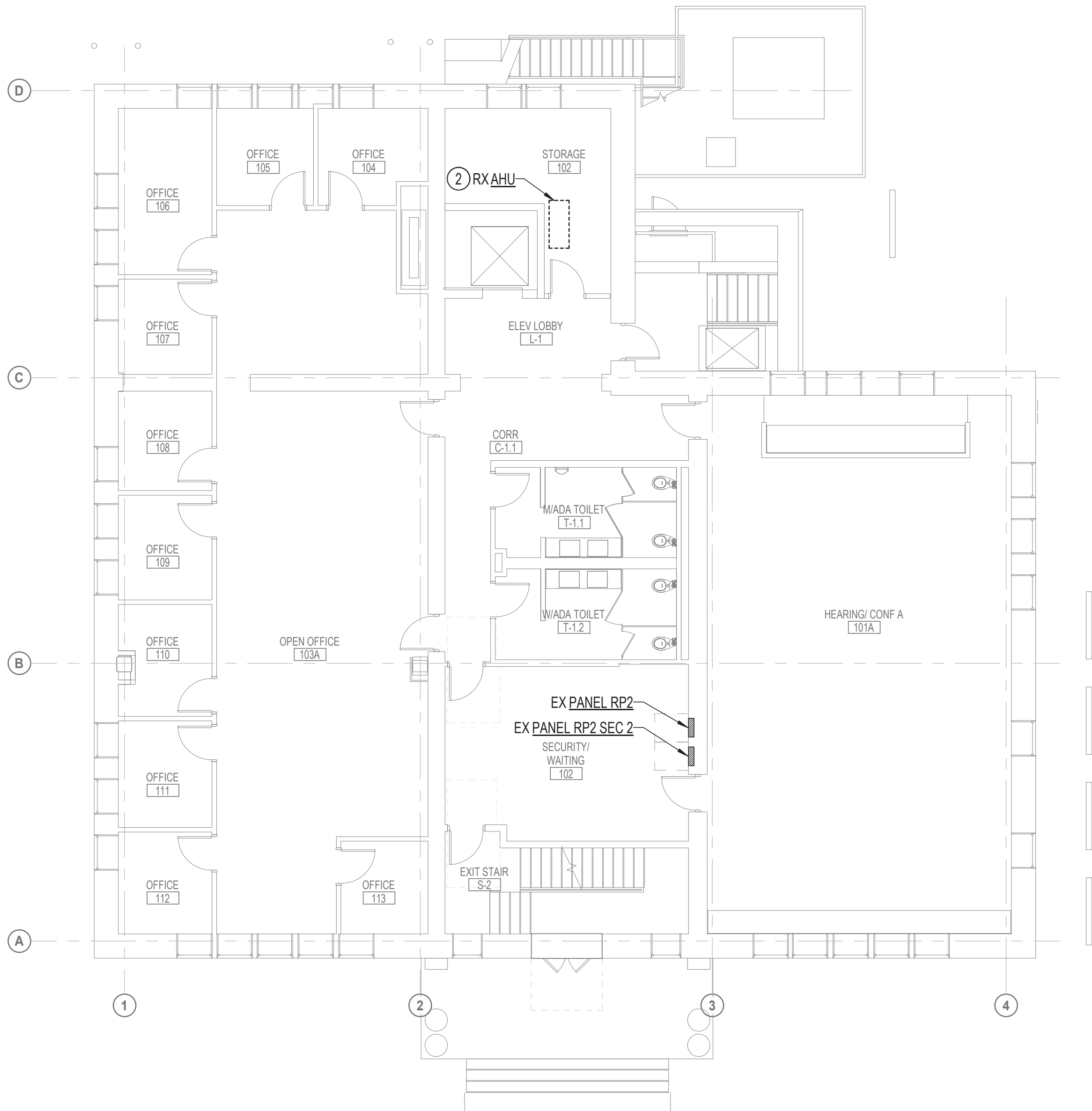
1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (—) INDICATE EXISTING ITEMS TO REMAIN.
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SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① ALL EXISTING ELECTRICAL WORK ON THIS FLOOR TO REMAIN UNLESS OTHERWISE INDICATED.
- ② FED FROM EX PANEL RP2. REFER TO ONE-LINE DIAGRAM ON SHEET E-13 FOR ADDITIONAL INFORMATION.



2 SECOND FLOOR PLAN - POWER - DEMOLITION ①
E-6 1/8" = 1'-0"



1 FIRST FLOOR PLAN - POWER - DEMOLITION ①
E-6 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



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 AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 42418 EXPIRATION DATE 06/06/2026		CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ DATE: _____	PROPERTY MANAGER
	ENGINEER: JEANNE S. TEBERA	DGN BY: NTS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS-BUILT PER RECORD PRINT	DWN BY: NTS	REVIEWED BY:									
	BY: _____ DATE: _____	CHKD BY: JST	DATE REVIEWED:									

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST & SECOND FLOOR PLANS - POWER - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

SHEET DESIGNATION	CONTRACT NUMBER
E-6	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 50 OF 61 DRAWING NUMBER	2024-2647
FILE NO.:	8



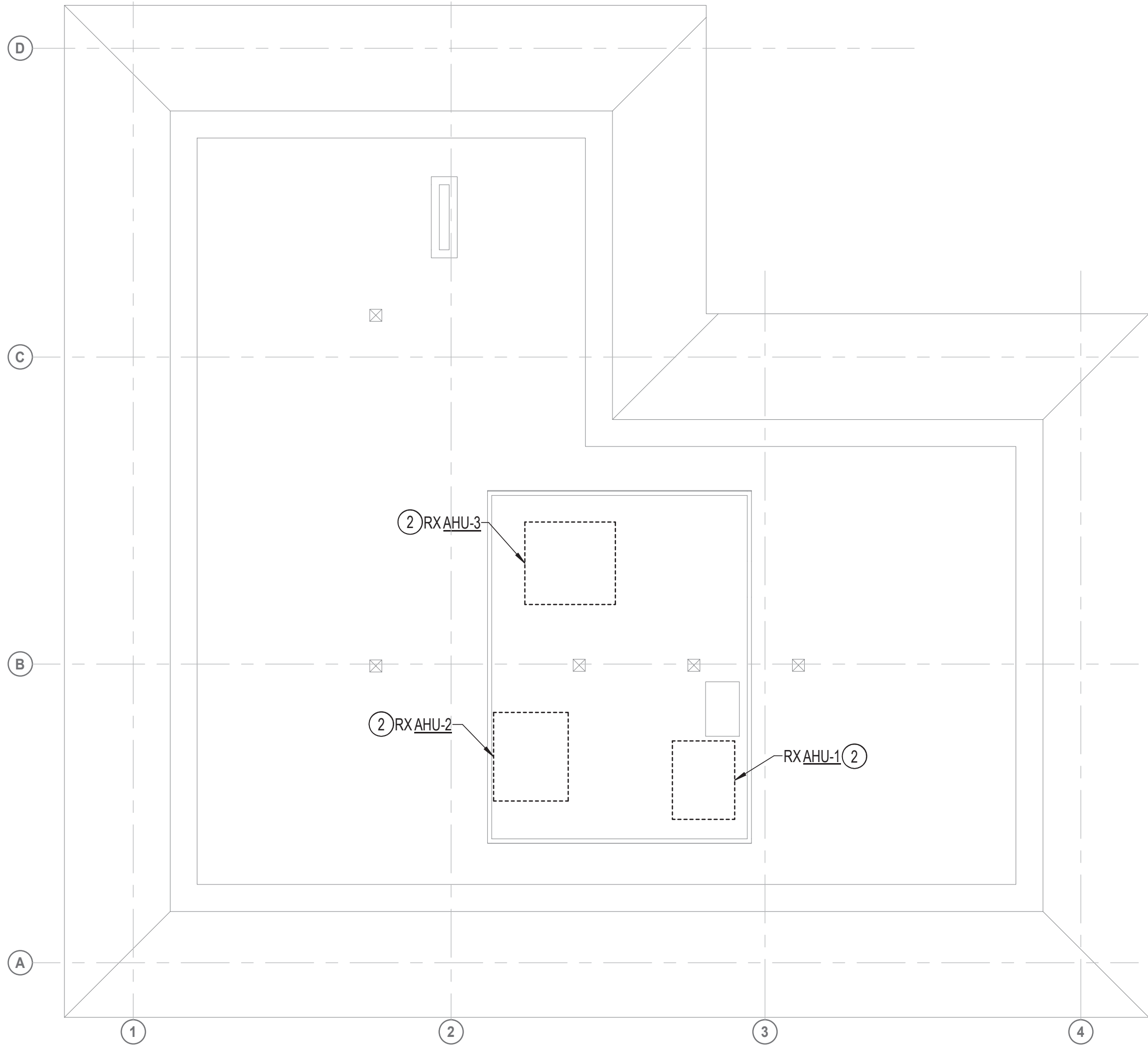
1/25/2026 1:08:46 AM

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
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SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① ALL EXISTING ELECTRICAL WORK ON THIS FLOOR TO REMAIN UNLESS OTHERWISE INDICATED.
- ② FED FROM EX PANEL MP2. REFER TO ONE-LINE DIAGRAM ON SHEET E-13 FOR ADDITIONAL INFORMATION.



① ATTIC PLAN - POWER - DEMOLITION ①
E-7 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



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 AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>						R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE:	1/8" = 1'-0"	APPROVED BY: _____	
			CONTRACT COMPLETION BOX							PROFILE SCALE:		DATE: _____	
BY: _____ DATE: _____	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: _____	NTS	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT		DWN BY: _____	NTS	REVIEWED BY: _____								
			CHKD BY: _____	JST	DATE REVIEWED: _____								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT			
HUMAN RESOURCES BUILDING			
ATTIC PLAN - POWER - DEMOLITION			
HVAC RENOVATION			
308 ALLEGHENY AVE, TOWSON, MD 21204			
SUBDIVISION: TOWSON		ELECTION DIST. NO.: 09	

SHEET DESIGNATION	CONTRACT NUMBER
E-7	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 51 OF 61	DRAWING NUMBER
2024-2648	FILE NO.: 8



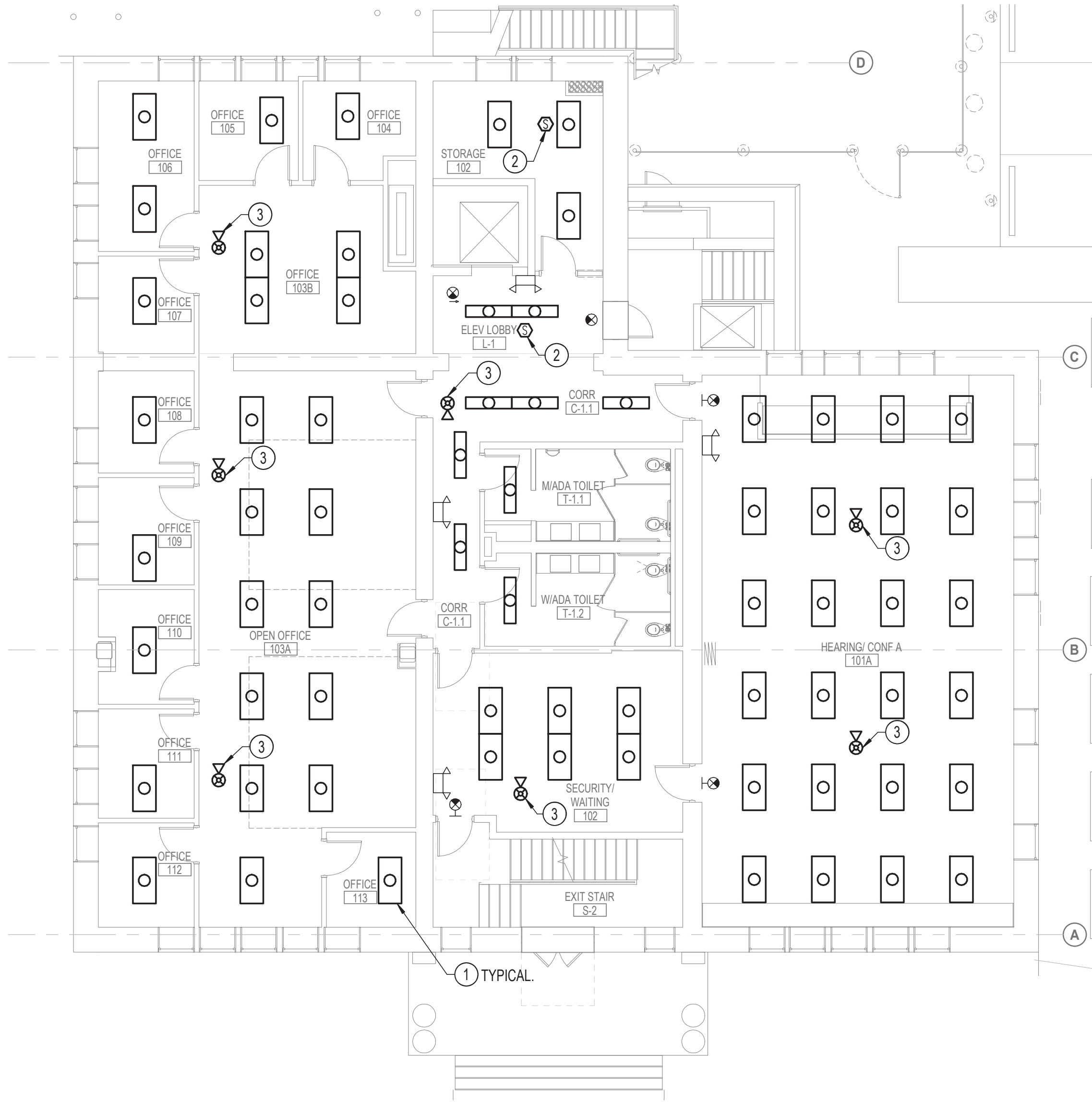
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DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (—) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.

SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① CLEAN AND REINSTALL EXISTING SALVAGED LUMINAIRES AND CONNECT TO EXISTING BRANCH CIRCUIT WIRING RETAINED DURING DEMOLITION PHASE. REPLACE DAMAGED/NON-OPERATIONAL LAMPS IN-KIND.
- ② REINSTALL SALVAGED SMOKE DETECTOR AND CONNECT TO EXISTING FIRE ALARM WIRING RETAINED DURING DEMOLITION PHASE.
- ③ REINSTALL SALVAGED FIRE ALARM NOTIFICATION APPLIANCE AND CONNECT TO EXISTING FIRE ALARM WIRING RETAINED DURING DEMOLITION PHASE.



2 FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK
E-8 1/8" = 1'-0"



1 GROUND FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK
E-8 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-8	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 52 OF 61 DRAWING NUMBER	2024-2649
FILE NO.:	8



	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT		
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	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: <u>NTS</u>											
	AS-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>	REVIEWED BY:										
BY: _____		CHKD BY: <u>JST</u>	DATE REVIEWED:											
DATE: _____														

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
GROUND & FIRST FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09



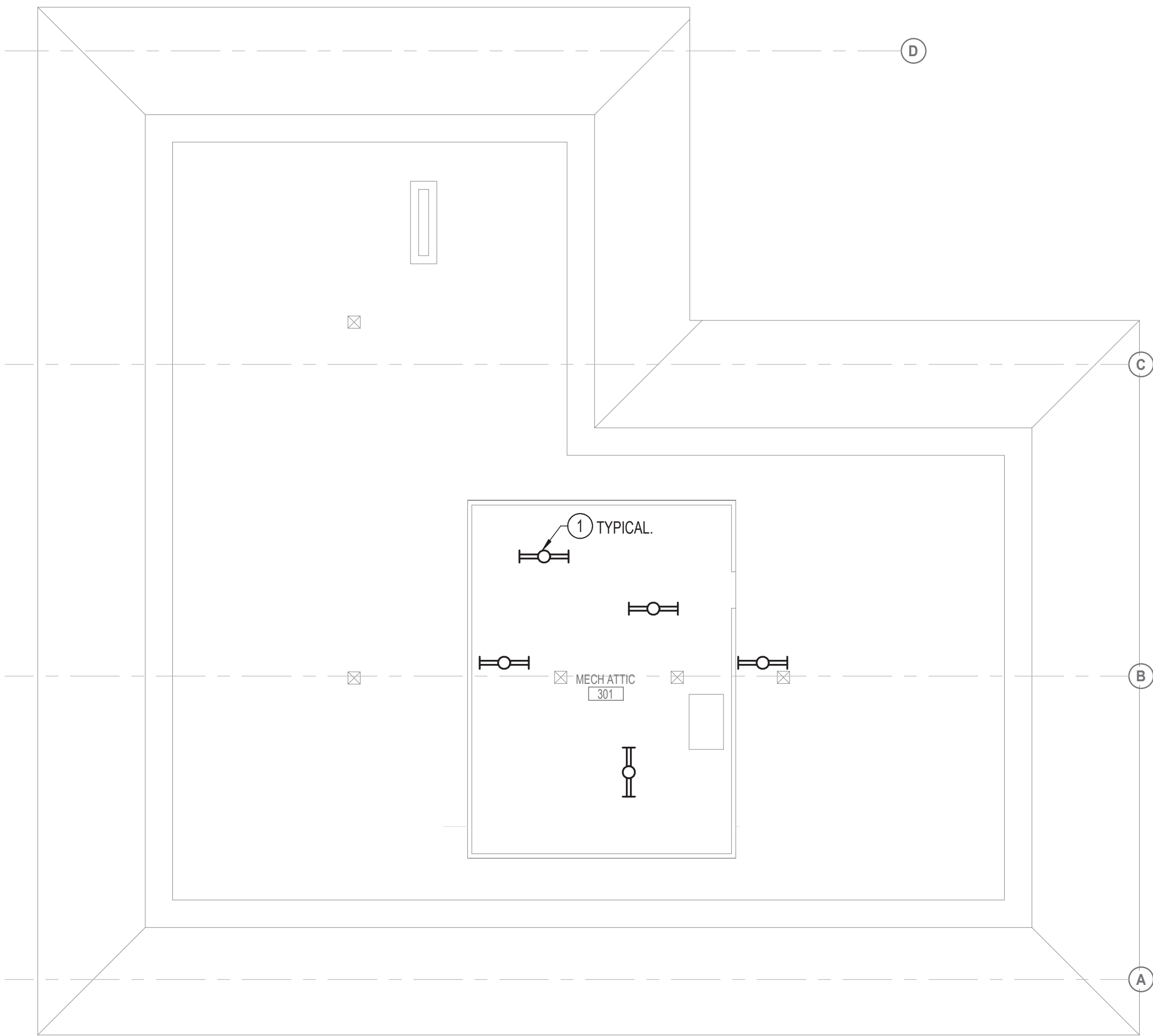
1/25/2026 12:57:28 AM

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
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SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① REINSTALL EXISTING SALVAGED LUMINAIRES AND CONNECT TO EXISTING CIRCUITING RETAINED DURING DEMOLITION PHASE. CLEAN LUMINAIRE. REPLACE DAMAGED/NON-OPERATIONAL LAMPS IN-KIND.
- ② REINSTALL SALVAGED SMOKE DETECTOR AND CONNECT TO EXISTING FIRE ALARM WIRING RETAINED DURING DEMOLITION PHASE.
- ③ REINSTALL SALVAGED FIRE ALARM NOTIFICATION APPLIANCE AND CONNECT TO EXISTING FIRE ALARM WIRING RETAINED DURING DEMOLITION PHASE.



2 ATTIC FLOOR PLAN - LIGHTING - NEW WORK
E-9 1/8" = 1'-0"



1 SECOND FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK
E-9 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



 2020-01-26	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. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>				CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE:	<u>1/8" = 1'-0"</u>	APPROVED BY: _____	PROPERTY MANAGER		
												PROFILE SCALE:	_____	DATE: _____			
	ENGINEER: <u>JEANNE S. TEBERA</u>				DGN BY: _____		NTS		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT				DIVN BY: _____		NTS		REVIEWED BY: _____								
BY: _____				CHKD BY: _____		JST		DATE REVIEWED: _____									
DATE: _____																	

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
SECOND FLOOR & ATTIC FLOOR PLAN - LIGHTING & FIRE ALARM - NEW WORK

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09



SHEET DESIGNATION	CONTRACT NUMBER
E-9	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 53 OF 61	
DRAWING NUMBER	2024-2650
FILE NO.:	8

1/25/2026 12:57:33 AM

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY SOLID HEAVY LINEWEIGHT (——) INDICATE NEW WORK TO BE PROVIDED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (—) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
3. SEE DRAWING E-11 FOR MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE.



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS



BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT		
HUMAN RESOURCES BUILDING		
GROUND FLOOR PLAN - POWER - NEW WORK		
HVAC RENOVATION		
SUBDIVISION: TOWSON	308 ALLEGHENY AVE, TOWSON, MD 21204	ELECTION DIST. NO.: 09



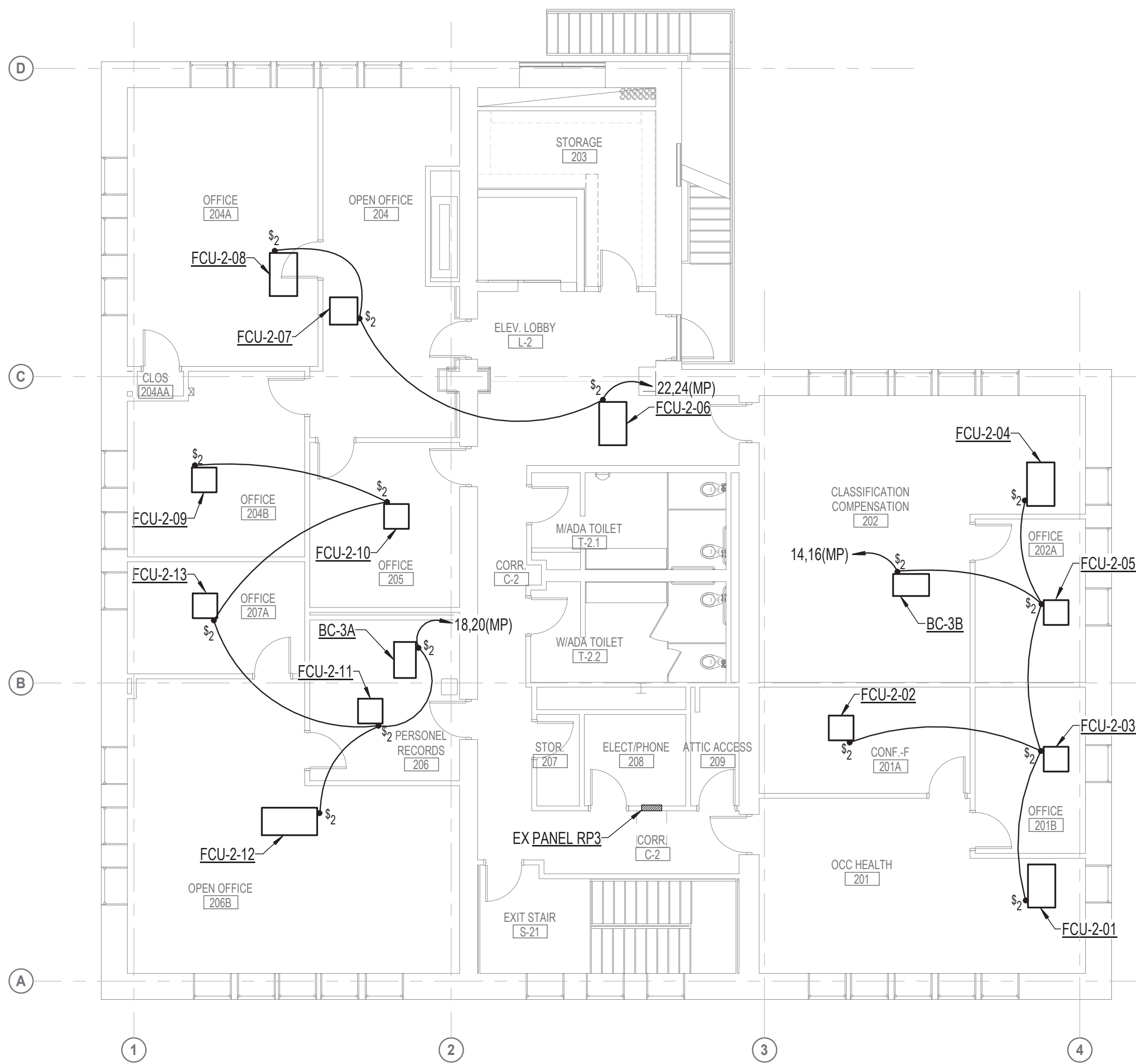
1/25/2026 12:56:45 AM

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

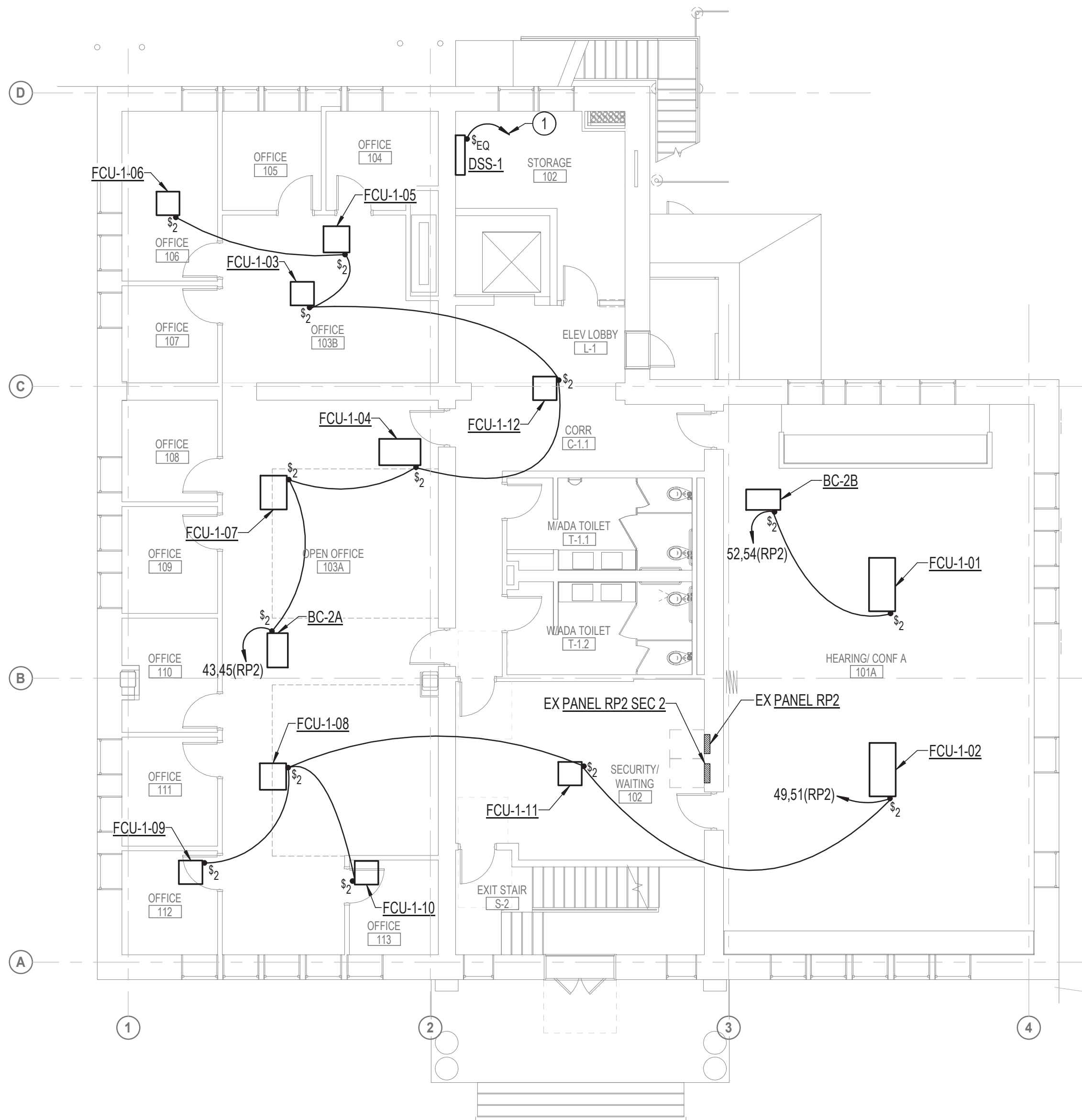
1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY SOLID HEAVY LINEWEIGHT (——) INDICATE NEW WORK TO BE PROVIDED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
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SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① TO ACCU-1. SEE E-6 FOR LOCATION.



2 SECOND FLOOR PLAN - POWER - NEW WORK
E-11 1/8" = 1'-0"



1 FIRST FLOOR PLAN - POWER - NEW WORK
E-11 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-11	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 55 OF 61	DRAWING NUMBER
2024-2652	FILE NO.: 8



SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
 <i>2020-01-26</i>	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. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>		CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: <u>1/8" = 1'-0"</u>	APPROVED BY: _____ DATE: _____		
					PROPERTY MANAGER								
	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: <u>NTS</u>	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>	REVIEWED BY:									
BY: _____ DATE: _____		CHKD BY: <u>JST</u>	DATE REVIEWED:										

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
FIRST & SECOND FLOOR PLANS - POWER - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09



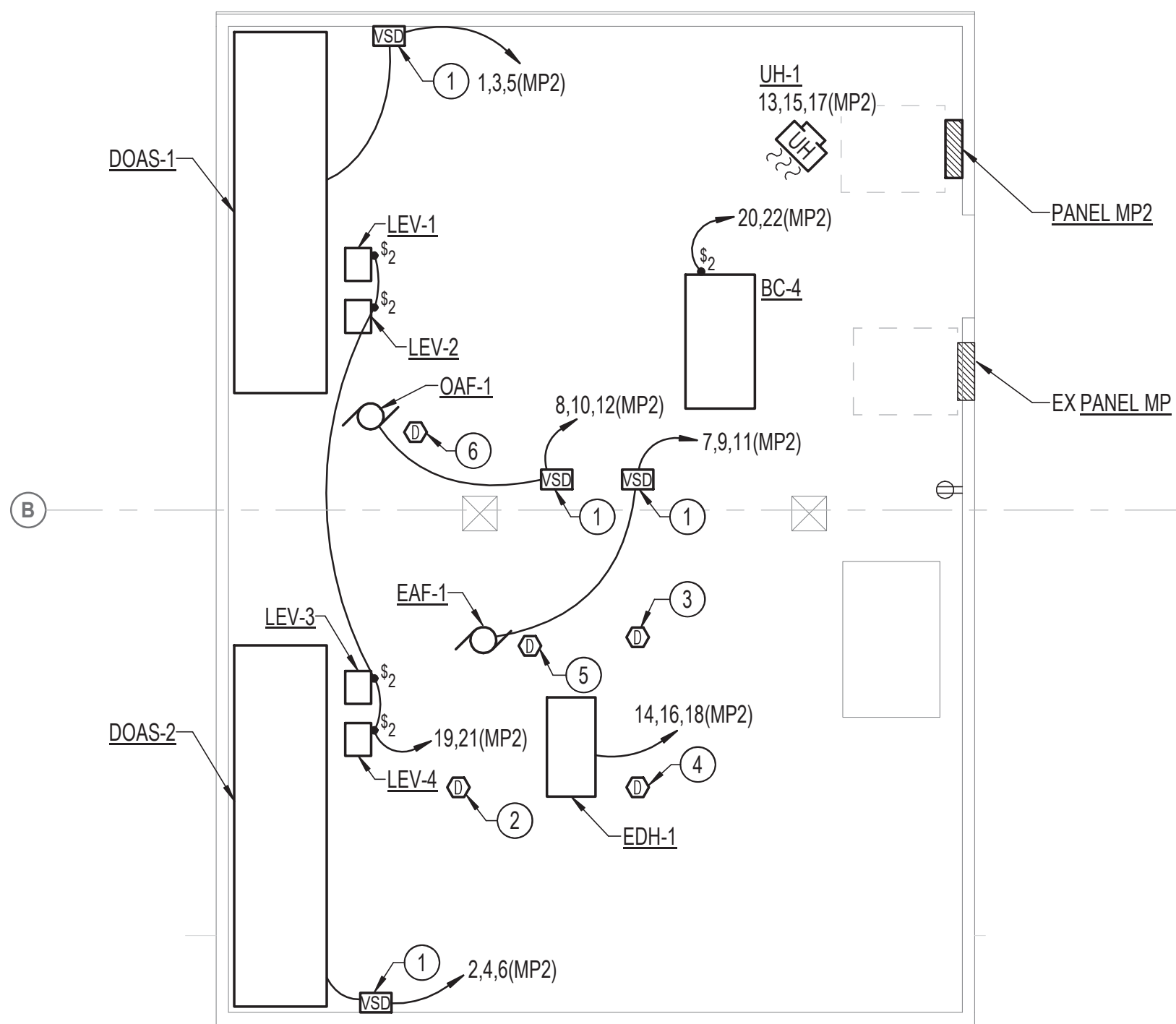
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DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

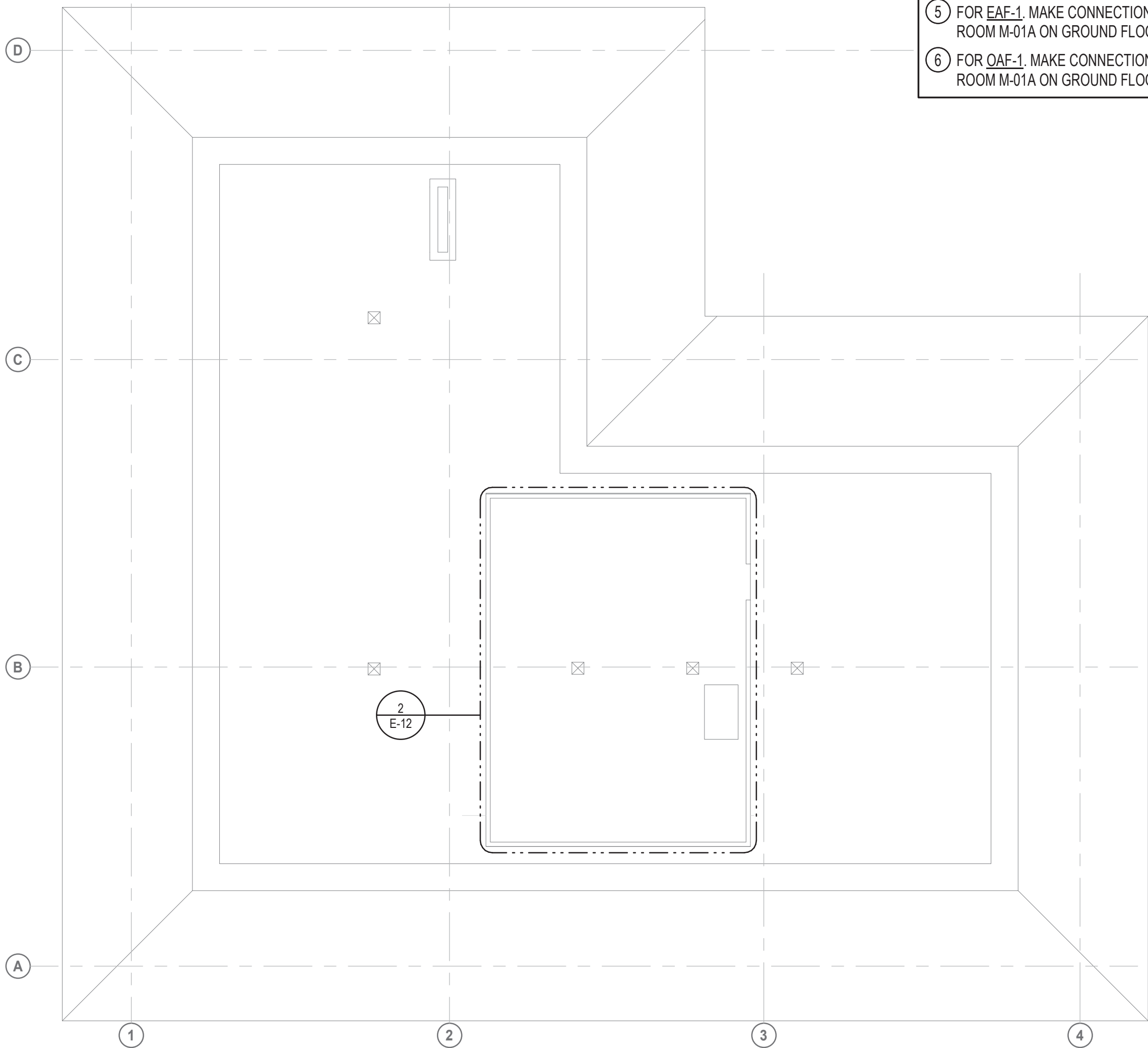
1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY SOLID HEAVY LINEWEIGHT (——) INDICATE NEW WORK TO BE PROVIDED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.

SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① VARIABLE SPEED DRIVE WITH INTEGRAL DISCONNECT PROVIDED UNDER DIVISION 23.
- ② FOR DOAS-1 AND DOAS-2 RETURN AIR. MAKE CONNECTION TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN FIRE ALARM CONTROL ROOM M-01A ON GROUND FLOOR.
- ③ FOR DOAS-1 AND DOAS-2 SUPPLY AIR. MAKE CONNECTION TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN FIRE ALARM CONTROL ROOM M-01A ON GROUND FLOOR.
- ④ FOR EDH-1. MAKE CONNECTION TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN FIRE ALARM CONTROL ROOM M-01A ON GROUND FLOOR.
- ⑤ FOR EAF-1. MAKE CONNECTION TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN FIRE ALARM CONTROL ROOM M-01A ON GROUND FLOOR.
- ⑥ FOR QAF-1. MAKE CONNECTION TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN FIRE ALARM CONTROL ROOM M-01A ON GROUND FLOOR.



2 PART PLAN - ATTIC PLAN - POWER - NEW WORK
E-12 1/4" = 1'-0"



1 ATTIC PLAN - POWER - NEW WORK
E-12 1/8" = 1'-0"

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-12	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 56 OF 61	DRAWING NUMBER
2024-2653	FILE NO.: 8

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT	
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										PROFILE SCALE:			
	ENGINEER: <u>JEANNE S. TEBERA</u>	DGN BY: <u>NTS</u>	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER			
	AS-BUILT PER RECORD PRINT	DWN BY: <u>NTS</u>	REVIEWED BY:										
	BY: _____ DATE: _____	CHKD BY: <u>JST</u>	DATE REVIEWED:										

SUBDIVISION: TOWSON

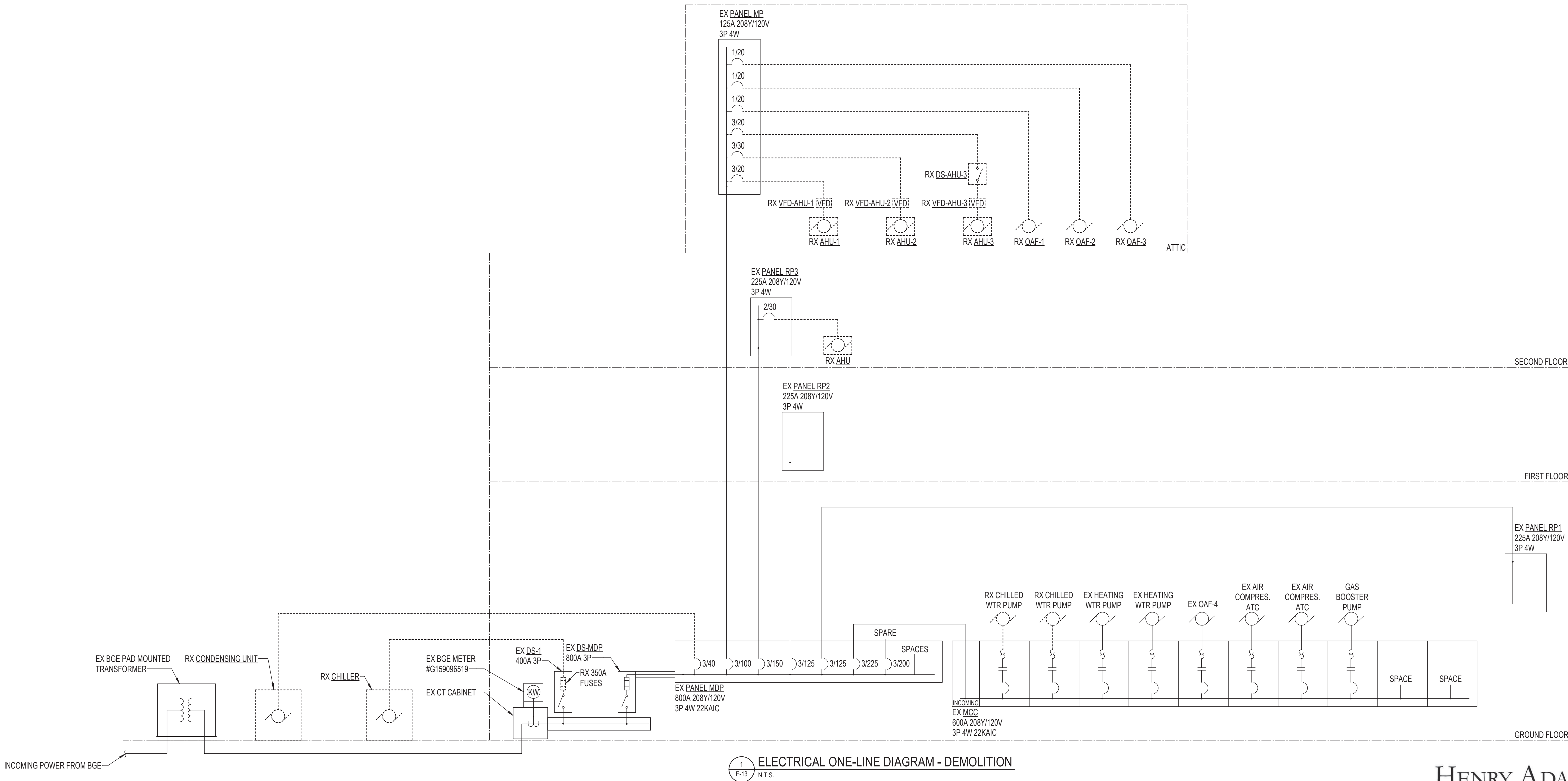
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ATTIC PLAN - POWER - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

1/25/2026 12:56:56 AM

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

1. UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY DASHED HEAVY LINEWEIGHT (-----) INDICATE EXISTING WORK TO BE REMOVED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (—) INDICATE EXISTING ITEMS TO REMAIN.
2. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.



1
E-13
N.T.S.

ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

SHEET DESIGNATION	CONTRACT NUMBER
E-13	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 57 OF 61 DRAWING NUMBER	2024-2654
FILE NO.: 8	

SEAL  2019-01-26	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. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>		CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE:	<u>1/8" = 1'-0"</u>	APPROVED BY: _____ DATE: _____ PROPERTY MANAGER	
										PROFILE SCALE:	_____		
	ENGINEER: <u>JEANNE S. TEBERA</u>	DGN BY: <u>NTS</u>	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS-BUILT PER RECORD PRINT	DWN BY: <u>NTS</u>	REVIEWED BY:											
BY: _____	CHKD BY: <u>JST</u>	DATE REVIEWED:											
DATE: _____													

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

1/25/2026 12:56:11 AM

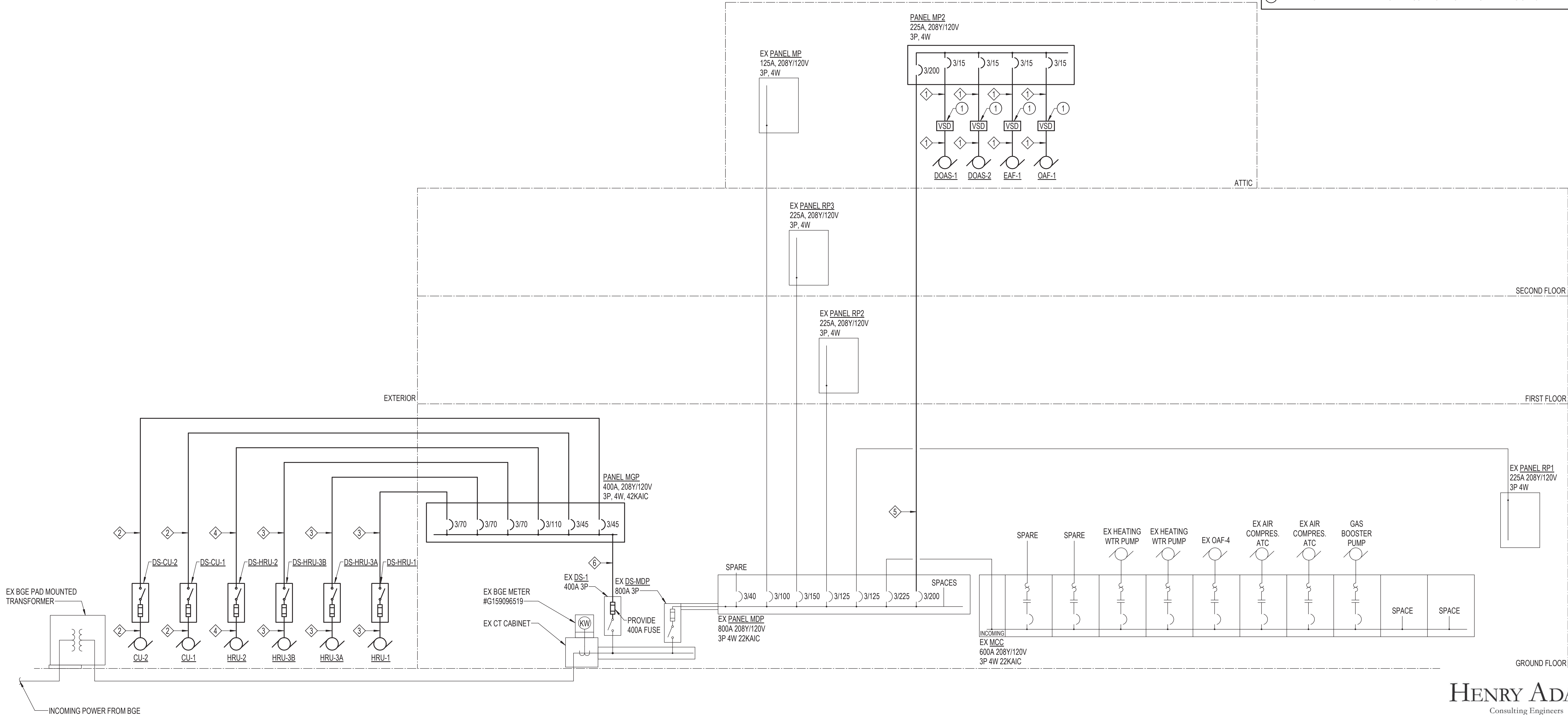
FEEDER SCHEDULE			
(APPLICABLE TO THIS DRAWING ONLY)			
	NOMINAL AMPERE RATING	WIRING	NOTES
1	20A	3#12+12GW IN 3/4" C	FEEDER FOR DOAS-1, DOAS-2, EAF-1, OAF-1
2	40A	3#8+10GW IN 3/4" C	FEEDER FOR CU-1, CU-2
3	55A	3#6+8GW IN 3/4" C	FEEDER FOR HRU-1, HRU-3A, HRU-3B
4	70A	3#4+8GW IN 3/4" C	FEEDER FOR HRU-2
5	200A	4#3/0+6GW IN 2" C	FEEDER FOR PANEL MP2
6	400A	2 SETS OF [4#3/0+3GW IN 2" C]	FEEDER FOR PANEL MGP

DRAWING NOTES: (APPLICABLE TO THIS SHEET ONLY)

- UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN BY SOLID HEAVY LINEWEIGHT (——) INDICATE NEW WORK TO BE PROVIDED. ELECTRICAL ITEMS SHOWN BY SOLID LIGHT LINEWEIGHT (——) INDICATE EXISTING ITEMS TO REMAIN.
- INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.

SPECIAL NOTES: (APPLICABLE TO THIS SHEET ONLY)

- ① VARIABLE SPEED DRIVE WITH INTEGRAL DISCONNECT PROVIDED UNDER DIVISION 23.



1 ELECTRICAL ONE-LINE DIAGRAM - NEW WORK
E-14 N.T.S.

HENRY ADAMS
Consulting Engineers

MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026
SUBMISSION: 100% CONSTRUCTION DOCUMENTS

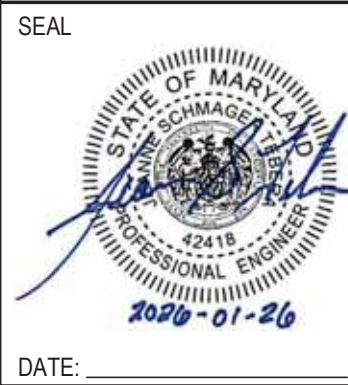
SHEET DESIGNATION	CONTRACT NUMBER
E-14	25133P00
JOB ORDER NUMBER	PROJ-10001055
SHEET 58 OF 61 DRAWING NUMBER	2024-2655
FILE NO.:	8

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. 42418 EXPIRATION DATE 06/06/2026		CONTRACT COMPLETION BOX			R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ DATE: _____
		BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
ENGINEER: JEANNE S. TEBERA		DGN BY: NTS							
AS-BUILT PER RECORD PRINT		DWN BY: NTS							
BY: _____		CHKD BY: JST							
DATE: _____		DATE REVIEWED: _____							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
ELECTRICAL ONE-LINE DIAGRAM - NEW WORK
HVAC RENOVATION
308 ALLEGHENY AVE, TOWSON, MD 21204

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 09



1/25/2026 12:57:01 AM

DISCONNECT SWITCH SCHEDULE							
DESIGNATION	AMP RATING	POLES	VOLT RATING	FUSE AMPS	FUSE CLASS	NEMA ENCLOSURE	NOTES
DS-ACCU-1	30	2	240	25	RK1	3R	1,2,3,4
DS-CU-1A	100	3	240	70	RK1	3R	1,2,3,4
DS-CU-1B	100	3	240	70	RK1	3R	1,2,3,4
DS-HRU-1	60	3	240	45	RK1	3R	1,2,3,4
DS-HRU-2	100	3	240	70	RK1	3R	1,2,3,4
DS-HRU-3A	60	3	240	45	RK1	3R	1,2,3,4
DS-HRU-3B	60	3	240	45	RK1	3R	1,2,3,4

- NOTES: (APPLICABLE TO DISCONNECT SWITCH SCHEDULE ONLY)
- PROVIDE FUSE AND COORDINATE EXACT EQUIPMENT FUSE SIZE WITH MOTOR OR EQUIPMENT NAMEPLATE DATA DURING CONSTRUCTION.
 - ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE WITH GROUND LUG.
 - PROVIDE ALL FUSIBLE DISCONNECT SWITCHES WITH CLASS R FUSE KIT.
 - LABEL DISCONNECT SWITCHES WITH THE DESIGNATION IDENTIFIED IN THIS SCHEDULE AND THE CIRCUIT NUMBER AND PANELBOARD FROM WHICH IT IS FED, INCLUDING VOLTAGE AND PHASE.

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
EQUIPMENT DESIGNATION	KW	HP	MCA	MOCP	FLA	VOLTAGE	PHASE	LOAD (kVA)	WIRING	DISCONNECTING MEANS	CONTROL MEANS	NOTES
ACCU-1	-	-	16	25	12.8	208	1	2.66	2#12-#12GW IN 3/4" C	DS-ACCU-1	BY MECHANICAL	1,2
BC-1A	-	-	0.9	-	0.7	208	1	0.15	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-1B	-	-	0.8	-	0.6	208	1	0.13	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-2A	-	-	1.2	-	0.8	208	1	0.17	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-2B	-	-	0.4	-	0.3	208	1	0.07	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-3A	-	-	1.57	-	1.3	208	1	0.26	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-3B	-	-	1.57	-	1.3	208	1	0.26	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
BC-4	-	-	0.8	20	0.6	208	1	0.13	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
CU-1A	-	-	44	70	35.2	208	3	12.68	3#8-#10GW IN 3/4" C	DS-CU-1	BY MECHANICAL	1,2
CU-1B	-	-	44	70	35.2	208	3	12.68	3#8-#10GW IN 3/4" C	DS-CU-2	BY MECHANICAL	1,2
DOAS-1	-	-	8.5	15	6.8	208	3	2.45	3#12-#12GW IN 3/4" C	VARIABLE SPEED DRIVE	BY MECHANICAL	1,2,4
DOAS-2	-	-	8.5	15	6.8	208	3	2.45	3#12-#12GW IN 3/4" C	VARIABLE SPEED DRIVE	BY MECHANICAL	1,2,4
DSS-1	-	-	1	-	0.8	208	1	0.17	3/2 POWER + 1 CONTROL) #12-#12GW IN 3/4" C	3P-20A MOTOR RATED SWITCH	BY MECHANICAL	1,2,3
EAF-1	-	2	9.4	15	7.5	208	3	2.70	3#12-#12GW IN 3/4" C	VARIABLE SPEED DRIVE	BY MECHANICAL	1,2,4
EDH-1	20	-	-	-	55.5	208	3	20.00	3#4-#8GW IN 1" C	INTEGRAL DISCONNECT	BY MECHANICAL	1,2
FCU-0-01	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-02	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-03	-	-	1.8	15	1.4	208	1	0.30	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-04	-	-	2.1	15	1.7	208	1	0.35	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-05	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-06	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-07	-	-	0.5	15	0.4	208	1	0.08	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-08	-	-	1.8	15	1.4	208	1	0.30	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-09	-	-	4.3	15	3.5	208	1	0.72	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-0-10	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-01	-	-	4.3	15	3.5	208	1	0.72	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-02	-	-	4.3	15	3.5	208	1	0.72	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-03	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-04	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-05	-	-	1.8	15	1.4	208	1	0.30	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-06	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-07	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-08	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-09	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-10	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-11	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-1-12	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-01	-	-	4.3	15	3.5	208	1	0.72	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-02	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-03	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-04	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-05	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-06	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-07	-	-	2.1	15	1.7	208	1	0.35	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-08	-	-	2.9	15	2.3	208	1	0.48	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-09	-	-	0.5	15	0.4	208	1	0.08	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-10	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-11	-	-	0.2	15	0.1	208	1	0.03	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-12	-	-	4.3	15	3.5	208	1	0.72	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
FCU-2-13	-	-	0.3	15	0.2	208	1	0.05	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
HRU-1	-	-	44	70	35.2	208	3	12.68	3#6-#8GW IN 1" C	DS-HRU-1	BY MECHANICAL	1,2
HRU-2	-	-	70	110	56.0	208	3	20.17	3#4-#6GW IN 1" C	DS-HRU-2	BY MECHANICAL	1,2
HRU-3A	-	-	44	70	35.2	208	3	12.68	3#6-#8GW IN 1" C	DS-HRU-3A	BY MECHANICAL	1,2
HRU-3B	-	-	44	70	35.2	208	3	12.68	3#6-#8GW IN 1" C	DS-HRU-3B	BY MECHANICAL	1,2
LEV-1	-	-	-	15	0.1	208	1	0.02	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
LEV-2	-	-	-	15	0.1	208	1	0.02	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
LEV-3	-	-	-	15	0.1	208	1	0.02	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
LEV-4	-	-	-	15	0.1	208	1	0.02	2#12-#12GW IN 3/4" C	DPST TOGGLE SWITCH	BY MECHANICAL	1,2
OAF-1	-	2	9.4	15	7.5	208	3	2.70	3#12-#12GW IN 3/4" C	VARIABLE SPEED DRIVE	BY MECHANICAL	1,2,4
UH-1	5	-	-	-	13.9	208	3	5.00	3#12-#12GW IN 3/4" C	INTEGRAL DISCONNECT	BY MECHANICAL	1,2

- NOTES: (APPLICABLE TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ONLY)
- REVIEW EQUIPMENT SUBMITTALS FROM OTHER TRADES PRIOR TO ORDERING OR INSTALLING ASSOCIATED ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL MODIFY COMPONENTS OF THE ELECTRICAL CONNECTIONS AS NECESSARY TO MATCH NAMEPLATE DATA OF APPROVED EQUIPMENT AND PROVIDE A CODE COMPLIANT INSTALLATION, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, WIRE, CONDUITS, CONNECTION TYPES, SWITCHES, AND FUSES. CHANGE ORDERS AND EXTRAS WILL NOT BE AWARDED FOR FAILURE TO COORDINATE WITH OTHER TRADES' EQUIPMENT SUBMITTALS.
 - PROVIDE NECESSARY SUPPORTING STRUT CHANNEL AND ALL MISCELLANEOUS HARDWARE FOR MOUNTING ELECTRICAL EQUIPMENT. MAINTAIN NEC WORKING CLEARANCES. FIELD COORDINATE EXACT LOCATIONS. DO NOT MOUNT ON EQUIPMENT ACCESS PANELS OR IN EQUIPMENT MANUFACTURERS' RECOMMENDED MAINTENANCE CLEARANCES. COORDINATE EXACT LOCATION OF SAFETY SWITCHES WITH MECHANICAL EQUIPMENT/CONTRACTOR.
 - POWER FROM ACCU-1.
 - VARIABLE SPEED DRIVE HAS AN INTEGRAL DISCONNECT SPECIFIED BY MECHANICAL.

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

DATE: 02/23/2026 SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
E-15	25133P00
JOB ORDER NUMBER	
PROJ-10001055	
SHEET 59 OF 61	DRAWING NUMBER
2024-2656	
FILE NO.: 8	

SEAL 	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. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>			CONTRACT COMPLETION BOX				R.O.W. NO.		E SE	20 SE 31, 20 SE 32	PLAN SCALE: <u>1/8" = 1'-0"</u>	APPROVED BY: _____ PROPERTY MANAGER	
												PROFILE SCALE: _____	DATE: _____	
	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: <u>NTS</u>	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
	AS-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>	REVIEWED BY:										
	BY: _____		CHKD BY: <u>JST</u>		DATE REVIEWED:									
	DATE: _____													

SUBDIVISION: TOWSON

ELECTRICAL EQUIPMENT SCHEDULES

HVAC RENOVATION

308 ALLEGHENY AVE, TOWSON, MD 21204

ELECTION DIST. NO.: 09

1/25/2026 12:56:15 AM

DISTRIBUTION PANEL MGP						
SERVICE TYPE: FED FROM: UTILITY TRANSFORMER			BUS AMPACITY: 400 A MAIN TYPE: 400 A MLO SERVICE: 208Y/120 VOLTS, 3 PHASE, 4 WIRE MIN. RATING: 42K AIC SYMMETRICAL AMPS SERVICE ENTRANCE: Yes			MOUNTING: SURFACE SECTIONS: ENCLOSURE: NEMA 1 LOCATION: MECH M-01B
CKT	LOAD DESCRIPTION	AUX/NOTE	# OF POLES	FRAME	TRIP	LOAD
1	CU-1A		3	100 A	70 A	12.68 kVA
2	CU-1B		3	100 A	70 A	12.68 kVA
3	HRU-1		3	100 A	70 A	12.68 kVA
4	HRU-2		3	200 A	110 A	20.17 kVA
5	HRU-3A		3	100 A	70 A	12.68 kVA
6	HRU-3B		3	100 A	70 A	12.68 kVA
7	BC-1A, FCU-0-6,7,8,9		2	100 A	15 A	1.28 kVA
8	BC-1B, FCU-0-1,2,3,4,5,10		2	100 A	15 A	0.94 kVA
9	ACCU-1		2	100 A	25 A	2.66 kVA
10	RCPT: EXTERIOR		1	20 A	20 A	0.36 kVA
11						
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PANEL TOTALS		LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
		LIGHTING	0.00 kVA	100%	0.00 kVA
CONNECTED LOAD: 88.81 kVA		RECEPTACLE	0.36 kVA	1ST 10kVA AT 100%, REMAINDER AT 50%	0.36 kVA
DEMAND LOAD: 88.81 kVA		EQUIPMENT: CONTINUOUS	0.00 kVA	100%	0.00 kVA
DEMAND AMPS: 247 A		EQUIPMENT: NON-CONTINUOUS	0.00 kVA	100%	0.00 kVA
		MOTOR	86.23 kVA	100%	86.23 kVA
		HEATING	0.00 kVA	0%	0.00 kVA
		COOLING	2.22 kVA	100%	2.22 kVA
		OTHER	0.00 kVA	100%	0.00 kVA
		KITCHEN EQUIPMENT	0.00 kVA	BASED ON QUANTITY PER NEC	0.00 kVA
		ELEVATOR	0.00 kVA	BASED ON QUANTITY PER NEC	0.00 kVA
AUXILIARIES:					
a AFCI BREAKER					
b GFCI BREAKER (5mA)	☒ GROUND BUS				
c GFEP BREAKER (30mA)	☒ SERVICE ENTRANCE LABEL				
d SHUNT TRIP BREAKER	☐ INTEGRAL SPD/TVSS				
e HANDLE PADLOCK	☐ 200% NEUTRAL BUS & LUGS				
f HANDLE CLAMP	☐ ISOLATED GROUND BUS				
g RED BREAKER LOCKOUT	☐ FEED THROUGH LUGS				

 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 AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. <u>42418</u> EXPIRATION DATE <u>06/06/2026</u>			CONTRACT COMPLETION BOX				R.O.W. NO.	E SE	20 SE 31, 20 SE 32	PLAN SCALE: _____ _____ PROFILE SCALE: _____	APPROVED BY: _____ _____ DATE: _____ _____ PROPERTY MANAGER	
	ENGINEER: <u>JEANNE S. TEBERA</u>		DGN BY: <u>NTS</u>	BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT		DWN BY: <u>NTS</u>	REVIEWED BY:									
	BY: _____ DATE: _____		CHKD BY: <u>JST</u>	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
HUMAN RESOURCES BUILDING
PANELBOARD SCHEDULES
HVAC RENOVATION
SUBDIVISION: TOWSON 308 ALLEGHENY AVE, TOWSON, MD 21204

DATE: 02/23/2026	
SUBMISSION: 100% CONSTRUCTION DOCUMENTS	
SHEET DESIGNATION	CONTRACT NUMBER
E-16	25133P00
	JOB ORDER NUMBER
	PROJ-10001055
	SHEET 60 OF 61
	DRAWING NUMBER
	2024-2657
	FILE NO.: 8

EX PANEL RP2

SERVICE TYPE: NORMAL
FED FROM: MDP
MANUFACTURER: GENERAL ELECTRIC
TYPE: A SERIES PANELBOARDS
DATE OF MANUFACTURE: N/A

BUS AMPACITY: 225 A
MAIN TYPE: 225 A MLO
SERVICE: None
MIN. RATING: 10K AIC RMS SYMMETRICAL AMPS

MOUNTING: SURFACE
SECTIONS: 1
ENCLOSURE: NEMA 1
LOCATION: SECURITY / WAITING 101

CKT	LOAD DESCRIPTION	P	TA	AUX/NOTE	A	B	C	AUX/NOTE	TA	P	LOAD DESCRIPTION	CKT										
1	EX: S TEST & TR LIGHTS	1	20		0.00	0.00			20	1	EX: N TEST & TR LIGHTS	2										
3	EX: S TEST & TR LIGHTS	1	20			0.00	0.00		20	1	EX: N TEST & TR LIGHTS	4										
5	EX: RECEPTION LIGHTS	1	20				0.00	0.00	20	1	EX: DEV & PROD LIGHTS	6										
7	EX: BATHROOM LIGHTS	1	20		0.00	0.00			20	1	EX: DEV & PROD LIGHTS	8										
9	EX: CORRIDOR LIGHTS	1	20			0.00	0.00		20	1	EX: SW OFFICES LIGHTS	10										
11	EX: OPEN OFFICE LIGHTS	1	20				0.00	0.00	20	1	EX: COR & BATHRM RECEP	12										
13	EX: NW OFF & COMP RM LIGHTS	1	20		0.00	0.00			20	1	EX: WATER COOLER RECEP	14										
15	EX: N OFF & COMP RM LIGHTS	1	20			0.00	0.00		20	1	EX: N DEV & PROD FL RECEP	16										
17	EX: SW OFFICES RECEP	1	20				0.00	0.00	20	1	EX: SW TEST & TR RECEP	18										
19	EX: S OFFICES RECEP	1	20		0.00	0.00			20	1	EX: NE TEST & TR RECEP	20										
21	EX: SW MID OFFICES RECEP	1	20			0.00	0.00		20	1	EX: OPEN OFFICE RECEP	22										
23	EX: DEV & PROD FL RECEP	1	20				0.00	0.00	20	1	EX: NW MID OFFICES RECEP	24										
25	EX: E DEV & PROD RECEP	1	20		0.00	0.00			20	1	EX: NW OFFICE & FL RECEP	26										
27	EX: NE OFFICE RECEP	1	20			0.00	0.00		20	1	EX: COMPUTER RM RECEP	28										
29	EX: N OFFICE RECEP	1	20				0.00	0.00	20	1	EX: COMPUTER RM RECEP	30										
31	EX: RECESS WALL HTR S STWY	1	20		0.00	0.00			20	2	EX: COMPUTER UNIT REC 208V	32										
33	EX: MENS HAND DRYER	1	20			0.00	0.00					34										
35	EX: WOMENS HAND DRYER	1	20				0.00	0.00	20	1	EX: MOTOR OPERATED SCREEN	36										
37	EX: VAV FAN	1	20		0.00	0.00			20	1	EX: RECESS WATER HTR...	38										
39	EX: WHEEL CHAIR LIFT	1	20			0.00	0.00		20	1	EXISTING LOAD	40										
41	EX: PUBLIC TELEPHONE	1	20				0.00	0.00	30	2	EX: HEAT/AC COMPU ROOM	42										
43	RX: COMP RM AC UNIT	2	30	1	0.00	0.00						44										
45						0.00	0.00					46										
47	EXISTING LOAD	1	20				0.00	0.00	30	3	EX: HEATER SOUTH ENTRANCE	48										
49	SPACE	1	--		--	0.00						50										
51	SPACE	1	--			--	--		--	1	SPACE	52										
53	SPACE	1	--				--	--	--	1	SPACE	54										
PHASE LOAD:					0.00 kVA	0.00 kVA	0.00 kVA															
PHASE AMPS:					0 A	0 A	0 A															
PANEL TOTALS					☒	GROUND BUS		AUXILIARIES:														
						SERVICE ENTRANCE LABEL		a AFCI BREAKER		e HANDLE PADLOCK												
						INTEGRAL SPD/TVSS		b GFCI BREAKER (5mA)		f HANDLE CLAMP												
						200% NEUTRAL BUS & LUGS		c GFEP BREAKER (30mA)		g RED BREAKER LOCKOUT												
						ISOLATED GROUND BUS		d SHUNT TRIP BREAKER														
						FEED THROUGH LUGS																
CONNECTED LOAD: 0.00 kVA																						
DEMAND LOAD: 0.00 kVA																						
DEMAND AMPS: 0 A																						

NEW WORK

PANEL SCHEDULE NOTES (APPLICABLE TO THE NOTE COLUMN ON THIS PANEL SCHEDULE ONLY):

1. REMOVE EXISTING LOAD AND SALVAGE EXISTING CIRCUIT BREAKER. RELABEL AS "SPACE"

EX PANEL MP

SERVICE TYPE: NORMAL
FED FROM: MDP
MANUFACTURER: GENERAL ELECTRIC
TYPE: A SERIES PANELBOARDS
DATE OF MANUFACTURE:

BUS AMPACITY: 125 A
MAIN TYPE: 125 A MLO
SERVICE: None
MIN. RATING: 10K AIC RMS SYMMETRICAL AMPS

MOUNTING: SURFACE
SECTIONS: 1
ENCLOSURE: NEMA 1
LOCATION: MECH ATTIC 301

CKT	LOAD DESCRIPTION	P	TA	AUX/NOTE	A	B	C	AUX/NOTE	TA	P	LOAD DESCRIPTION	CKT										
1	EX: LIGHT	1	20		0.00	0.00			20	1	EX: CIR PUMP-1	2										
3	EX: FAN HEAT	1	20			0.00	0.00		20	1	EX: CIR PUMP-2	4										
5	EX: RECEPTACLE/ATC PANEL	1	20				0.00	0.00	20	1	EX: CIR PUMP-3	6										
7	EX: SPRINKLER COMP.	1	20		0.00	--			--	1	SPACE	8										
9	RX: OAF FAN-2, 3	1	20	1		0.00	--		--	1	SPACE	10										
11	SPACE	1	--				--	--	--	1	SPACE	12										
13	SPACE	1	--		--	0.00						14										
15	RX: OAF FAN-1	1	20	1		0.00	0.00		2	20	3 RX: AHU-1 FAN	16										
17	SPACE	1	--				--	0.00				18										
19					0.00	0.00						20										
21	EX: BATHROOM EX FAN	3	20			0.00	0.00		2	20	3 RX: AHU-3 FAN	22										
23							0.00	0.00				24										
25					0.00	0.00						26										
27	RX: AHU-2 FAN	3	30	1		0.00	0.00		50	3	SPARE	28										
29							0.00	0.00				30										
PHASE LOAD:					0.00 kVA	0.00 kVA	0.00 kVA															
PHASE AMPS:					0 A	0 A	0 A															
PANEL TOTALS					☒	GROUND BUS		AUXILIARIES:														
						SERVICE ENTRANCE LABEL		a AFCI BREAKER		e HANDLE PADLOCK												
						INTEGRAL SPD/TVSS		b GFCI BREAKER (5mA)		f HANDLE CLAMP												
						200% NEUTRAL BUS & LUGS		c GFEP BREAKER (30mA)		g RED BREAKER LOCKOUT												
						ISOLATED GROUND BUS		d SHUNT TRIP BREAKER														
						FEED THROUGH LUGS																
CONNECTED LOAD: 0.00 kVA																						
DEMAND LOAD: 0.00 kVA																						
DEMAND AMPS: 0 A																						

NEW WORK

PANEL SCHEDULE NOTES (APPLICABLE TO THE NOTE COLUMN ON THIS PANEL SCHEDULE ONLY):

1. REMOVE EXISTING LOAD AND RELABEL EXISTING CIRCUIT BREAKER AS "SPARE"
2. REMOVE EXISTING LOAD AND SALVAGE EXISTING CIRCUIT BREAKER. RELABEL AS "SPACE"

SEAL	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. 42418 EXPIRATION DATE 06/06/2026		CONTRACT COMPLETION BOX		BUREAU OF ENGINEERING AND CONSTRUCTION		TRAFFIC		HIGHWAYS		STRUCTURES		STORM DRAINS		SEWER		WATER		FIELD ENGINEER		APPROVED BY: _____ DATE: _____		PROPERTY MANAGER	
	ENGINEER: JEANNE S. TEBERA		DGN BY: _____ NTS		DIVN BY: _____ NTS		REVIEWED BY: _____																	
AS-BUILT PER RECORD PRINT		BY: _____		CHKD BY: _____ JST		DATE REVIEWED: _____																		
DATE: _____																								

EX PANEL RP2

SERVICE TYPE: NORMAL
FED FROM: MDP
MANUFACTURER: GENERAL ELECTRIC
TYPE: A SERIES PANELBOARDS
DATE OF MANUFACTURE: N/A

BUS AMPACITY: 225 A
MAIN TYPE: 225 A MLO
SERVICE: 208Y/120 VOLTS, 3 PHASE, 4 WIRE
MIN. RATING: 10K AIC RMS SYMMETRICAL AMPS

MOUNTING: SURFACE
SECTIONS: 2
ENCLOSURE: NEMA 1
LOCATION: SECURITY/ WAITING 102

CKT	LOAD DESCRIPTION	P	TA	AUX/NOTE	A	B	C	AUX/NOTE	TA	P	LOAD DESCRIPTION	CKT
1	EX: S TEST & TR LIGHTS	1	20		0.00	0.00			20	1	EX: N TEST & TR LIGHTS	2
3	EX: S TEST & TR LIGHTS	1	20			0.00	0.00		20	1	EX: N TEST & TR LIGHTS	4
5	EX: RECEPTION LIGHTS	1	20				0.00	0.00	20	1	EX: DEV & PROD LIGHTS	6
7	EX: BATHROOM LIGHTS	1	20		0.00	0.00			20	1	EX: DEV & PROD LIGHTS	8
9	EX: CORRIDOR LIGHTS	1	20			0.00	0.00		20	1	EX: SW OFFICES LIGHTS	10
11	EX: OPEN OFFICE LIGHTS	1	20				0.00	0.00	20	1	EX: COR & BATHRM RECEP	12
13	EX: NW OFF & COMP RM LIGHTS	1	20		0.00	0.00			20	1	EX: WATER COOLER RECEP	14
15	EX: N OFF & COMP RM LIGHTS	1	20			0.00	0.00		20	1	EX: N DEV & PROD FL RECEP	16
17	EX: SW OFFICES RECEP	1	20				0.00	0.00	20	1	EX: SW TEST & TR RECEP	18
19	EX: S OFFICES RECEP	1	20		0.00	0.00			20	1	EX: NE TEST & TR RECEP	20
21	EX: SW MID OFFICES RECEP	1	20			0.00	0.00		20	1	EX: OPEN OFFICE RECEP	22
23	EX: DEV & PROD FL RECEP	1	20				0.00	0.00	20	1	EX: NW MID OFFICES RECEP	24
25	EX: E DEV & PROD RECEP	1	20		0.00	0.00			20	1	EX: NW OFFICE & FL RECEP	26
27	EX: NE OFFICE RECEP	1	20			0.00	0.00		20	1	EX: COMPUTER RM RECEP	28
29	EX: N OFFICE RECEP	1	20				0.00	0.00	20	1	EX: COMPUTER RM RECEP	30
31	EX: RECESS WALL HTR S STWY	1	20		0.00	0.00			20	2	EX: COMPUTER UNIT REC 208V	32
33	EX: MENS HAND DRYER	1	20			0.00	0.00					34
35	EX: WOMENS HAND DRYER	1	20				0.00	0.00	20	1	EX: MOTOR OPERATED SCREEN	36
37	EX: VAV FAN	1	20		0.00	0.00			20	1	EX: RECESS WATER HTR...	38
39	EX: WHEEL CHAIR LIFT	1	20			0.00	0.00		20	1	EXISTING LOAD	40
41	EX: PUBLIC TELEPHONE	1	20				0.00	0.00	30	2	EX: HEAT/AC COMPU ROOM	42
43	BC-2A, FCU-1-3, 4, 5, 6, 12	2	15	2	0.79	0.00		0.79				44
45												46
47	EXISTING LOAD	1	20				0.00	0.00	30	3	EX: HEATER SOUTH ENTRANCE	48
49												50
51	FCU-1-2, 8, 9, 10, 11	2	15	1	0.67	0.00		0.67	0.40			52
53	SPACE	1	--				--	0.40	1	15	2 BC-2B, FCU-1-1	54
PHASE LOAD:					1.46 kVA	1.85 kVA	0.40 kVA					
PHASE AMPS:					12 A	15 A	3 A					
PANEL TOTALS					☒	GROUND BUS		AUXILIARIES:				
						SERVICE ENTRANCE LABEL		a AFCI BREAKER		e HANDLE PADLOCK		
						INTEGRAL SPD/TVSS		b GFCI BREAKER (5mA)				