Burraing mounted	UP-2017-0077-57
Banoing mounted 01, 02, 03/H1, H2, H4, CEO	BALTIMORE COUNTY PERMITS, APPROVALS & INSPECTIONS TEST CHESAPEAKE AVENUE TOWSON, MD 21204 410-887-3391 The applicant is authorized to affirm that there are no current violations at this site pursuant to Section
DEPARTMENT OF	PERMITS, APPROVALS & INSPECTIONS A 758989
111 W	TOWSON MD 21204 TOWSON MD 21204 The applicant is authorized
(******))) , n5 / \$ / \$ / \$ / \$ / \$ / \$ / \$ / \$ / \$ /	410-887-3391 to affirm that there are no
为一种 形成	current violations at this
ARYLAN J. T.	SIGN USE PERMIT site pursuant to Section 112.7 BCC
Permit Fees are Non-Refundable; Make Check Payable to "	Baltimore County, Maryland" Initials
PROPERTY ADDRESS 825 Dylaney UC	They id zip code 21204
BUSINESS NAME TOWN CONS	
OWNER'S NAME TOWNSON TO LLC PH	HONE NO. HISTORIC DISTRICT Yes No
MAILING ADDRESS TO box 617905 Ch. CCC	
	13 (Gable) PHONE NO. 410-2556400
SIGN COMPANY NAME CODIC Signs of 6 TO	PHONE NO. 410-255-6400
TYPE OF SIGN: Window Sign	TAX ACCOUNT NO. <u>2200 / 0 1/2 / 232</u>
☐ Temporary- Including Real Estate/Construction/Event	
Permanent Changeable Copy Wall	☐ Face Change Only ☐ Non-Illuminated
Freestanding Pylon Monument Illumi	inated (separate electrical permit required)
Size: feet x feet = square feet	Height: feet (freestanding signs)
Property Line/Street Right-of-Way Setbacks: front, si	
NOTE: A construction plan, drawn to scale and clearly showing	g that all requirements have been met, must be attached; a site plan also
must be attached for freestanding signs.	
Table of Sign Regulations: 450.4.Attachment 1, 1 An Electr	ronic Changeable Copy Sign may only have a maximum Frequency of one
instantaneous message change per 15 second cycle.	at a constant intensity and not give the appearance of movement by
flashing, blinking, strobing, scrolling, oscillating	g, or alternating lights.
PROHIBITIONS: including roof signs (Sections 450.5.B.7 a	and 450.6.A, Baltimore County Zoning Regulations):
 Signs cannot impair motorist's clear view of traffic or Signs cannot imitate or resemble government signs, ex 	government signs. All signs are subject to Section 102.5, BCZR.
3. Signs cannot be placed in or project into or above stree	et right of way or governmental property.
4. Sign or framework cannot obstruct window or opening5. Vehicle cannot be parked for the purpose of displaying	g for light and air or access to building, fire hydrant, or stand pipe.
6. Except for flags exempted, flags, pennants, ribbons, str	reamers, tethered balloons, laser projections, and similar objects are
prohibited.	sandwich board signs issued a use permit in B.M. – C.T. zones.
7. Portable signs are prohibited, except for A-frame and s 8. There can be no display or simulation of moving parts	or message, except for an outdoor advertising sign with tri-vision, a
changeable copy sign, or a thermometer, barometer, w	reather vane, barber pole, or clock.
9. No sign may emit sound	ditions materials locations and size): Install 19 wall
Work Description (including number of signs, special con	
(B) Eight 15x 2.3-3559 54 (2) 7wo 17,	5 x 310
(a)+wo 33,3x 1,25-4159.ft	CORNER LOT CORNER LOT LETTER IN THE
OVERTICAL CONTRACTOR OF THE CO	
	ENT CERTIFICATION Decrease the contents of the above are true and further
agree to locate the proposed sign such that it will not violate	e Baltimore County laws and regulations.
Viceshoez Vais Staliz	Heather Davis
\$ignature Date	Heather Davis Print/Type Name
Require Planning Signature	Date
Copies: White-Office; Yellow- Applicant (keep	Authority under Section 500.4, BCZR PAI Approval (SIGN ONLY)
this Copy for your permanent records) REV 10/14	Signature Initials Date
ļ	AAAAAAAAA DAAA



KEVIN KAMENETZ.
County Executive

ARNOLD JABLON

Deputy Administrative Officer

Director, Department of Permits,

Approval and Inspections

29 March 2017

Lisa Bisenius Towson Town Center LLC 825 Dulaney Valley Road Towson, MD 21204

Re: DRP #584 / 825 Dulaney Valley Road - Towson Town Center Mall

Dear Mrs. Bisenius,

In accordance with Section 32-4-203(1), Baltimore County Code, and as designee for the Directors of the Departments of Permits, Approval and Inspections, Planning and Environmental Protection and Sustainability, please be advised that the recommendation of the Design Review Panel (DRP) has been accepted and approved. This approval is a condition precedent for the issuance of a permit for the above captioned property.

The DRP met in public forum on 8th, February 2017, and after hearing from the applicant and/or representatives and receiving public comment, the DRP panel has determined to recommend approval as more particularly described in its inter-office correspondence to me, dated 23, March 2017, and which is attached hereto and incorporated in its entirety hereby.

Should you have any questions, please contact the Department of Planning.

Be further advised, an appeal to this decision must be made within thirty (30) days of the date of this letter.

Sincerely,

Arnold Jablon

Deputy Administrative Officer &

Director of Permits, Approvals and Inspections

C:
Jan Cook, PAI
Andrea Van Arsdale, Planning
Jenifer Nugent, Planning
Vince Gardina, EPS
David Lykens, EPS
Janell Vaughan, General Growth Properties
Ed Gilliss, Counsel for GGP

Aej/aj

BALTIMORE COUNTY, MARYLAND INTER-OFFICE MEMORANDUM

DATE: March 23, 2017

TO:

Arnold Jablon, Deputy Administrative Officer

and Director, Department of Permits, Approvals

and Inspections

FROM:

Andrea Van Arsdale Director

Department of Flanning

SUBJECT: Design Review Panel - APPROVAL

PROJECT NAME: 825 Dulaney Valley Road

PROJECT: DRP # 584

PROJECT TYPE: Commercial Towson DTD

MEETING DATE: February 8, 2017

DESIGN REVIEW PANEL MEMBERS IN ATTENDANCE:

David Martin, Cecily Bedwell, Matt D'Amico, Julie Kirsh

PROJECT DESCRIPTION:

Mr. Ed Gilliss representing General Growth Properties introduced the Towson Town Center's proposed comprehensive signage and wayfinding package, including lighting modifications and minor exterior façade improvements. Mr. Gilliss stated that the signage is intended as a consistent, hierarchical system of primary, secondary and tertiary signage directing customers from the surrounding streets to individual anchor stores, parking decks and spaces, and retail shops in order to present a consistent property identity, easier navigation and smoother traffic flow.

Andrea Van Arsdale, Director of Planning, stated that the Department of Planning had reviewed the project proposal and found that it met the Downtown Towson Guidelines with two exceptions. The Department recommended approval subject to removal of the "Towson Town Center" sign on Dulaney Valley Road in front of the graphic panels and an administrative review of any revised planting. It was also noted that painting of the interior garage levels included in the package were reviewed and approved administratively by the Planning Department.

DISPOSITION:

Ms. Bedwell made a motion to approve the plan with the following conditions:

Subject: Aprpoval (Design Review Panel)
Project name: Towson Town Center Mall

1. The tenant signage on the tower element at the intersection of Dulaney and Fairmount be reduced in scale.

Project#: DRP 584

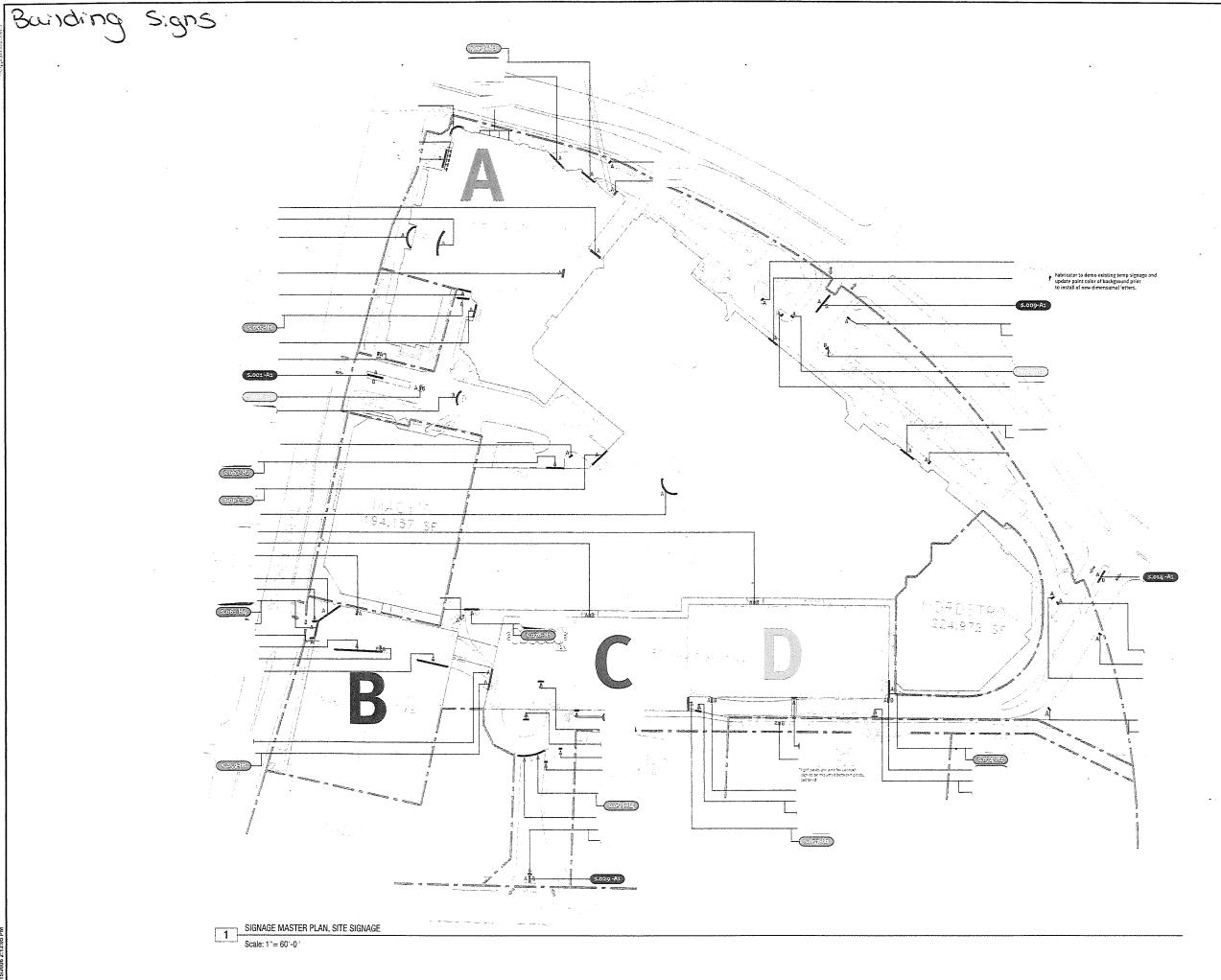
- 2. The Towson Town Center signage with the 5 panels be reworked.
- 3. The garage parking level with the blue color identifier be neutralized and painting be reviewed and approved administratively.

The motion was seconded by Ms. Kirsch and approved by acclamation at 8:50 p.m.

As of March 23, 2017 all revised plans have been submitted to the Department of Planning for review and approval. The Department of Planning finds that the revisions meet the DRP's conditions and therefore recommends approval.

JGN:File

c: DRP members in attendance Ed Gilliss, Counsel for GGP



TOWSON TOWN CENTER

825 Dulaney Valley Rd, Towson, MD 21204

Design Intent

For Reference Only



ARROWSTREET ARCHITECTURE & DESIGN

10 POST OFFICE SQUARE SUITE 700N BOSTON MA 02109 617.623.5555 WWW.RITUWSUPERLCOM

Project Number	16035
Author	JH/JG
Checker	
issue date	01/15/2017

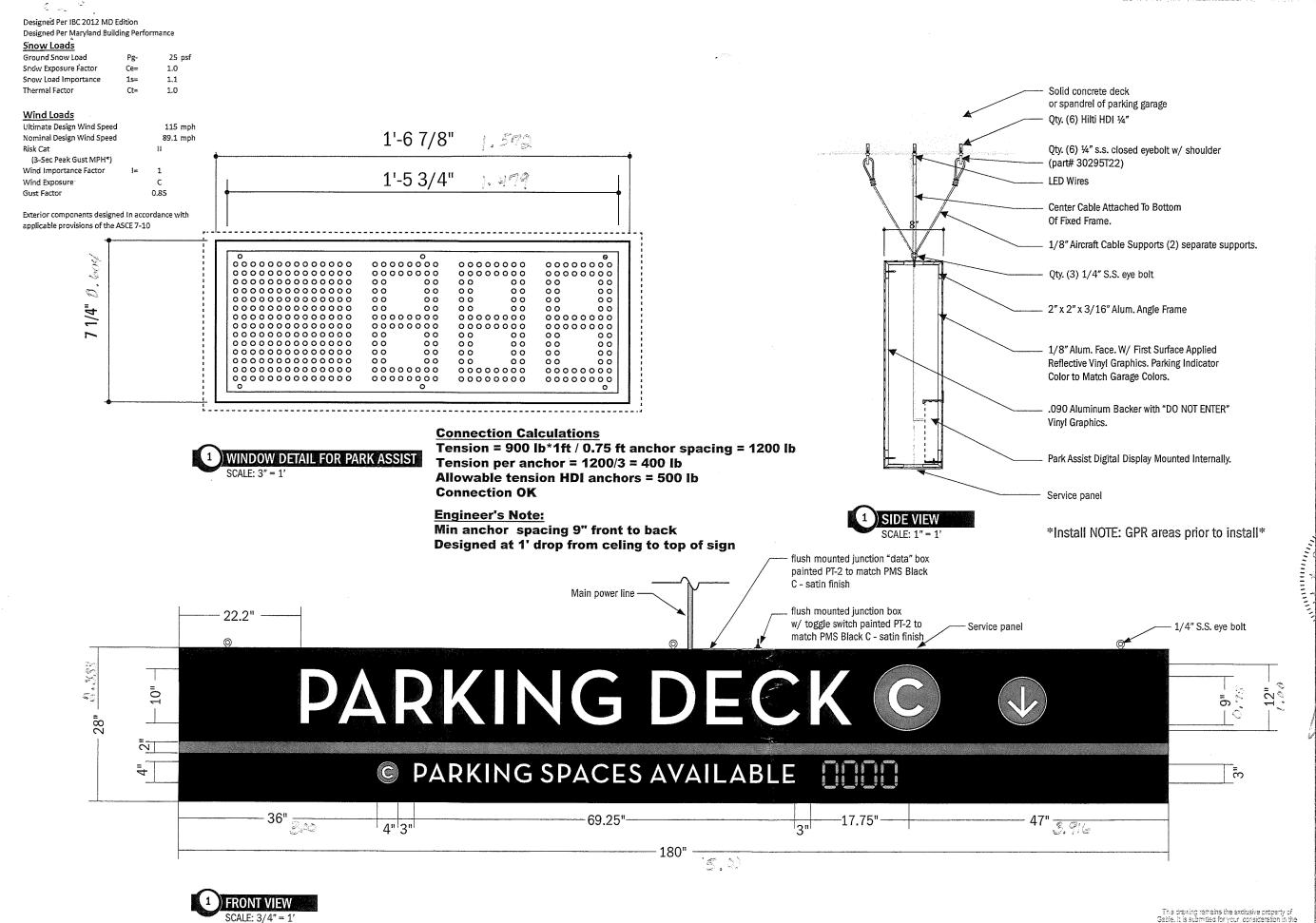
Revisio

Revisions			
No	Date	Description	
	01/15/2017	Design Intent	
7	01-30-17	Dazign Intent	
2	02-17-17	Design Intent	
	1		
	i		

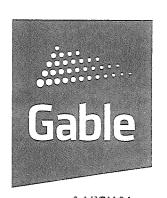
Drawing Title

SIGNAGE LOCATION PLAN, SITE SIGNAGE

SG1.01



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A VISUAL SOLUTIONS COMPANY.

7440 Fort Smallwood Road Baltimore, Marviand 21226 800.854.0568

PROJECT TITLE:

Towson Town Center

Towson Town Center - Parking Improv.

Towson, MD

PROJECT MGR. 07/11/17 MG MG REVISION HISTORY NO. DATE PREV DRWG DESCRIPTION



Murdoch Engineering Howell New Jersey 07731 (973) 570-8215

7/14/17

Jere Murdoch, P.E. Professional Engineer

Maryland P.E. License #41030 PROFESSIONAL CERTIFICATION: 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. 41030, expiration date 8/17/17

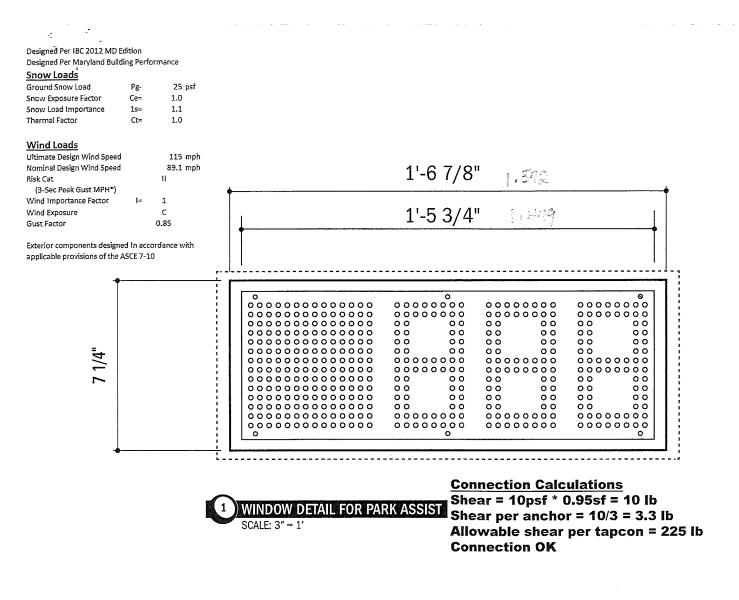
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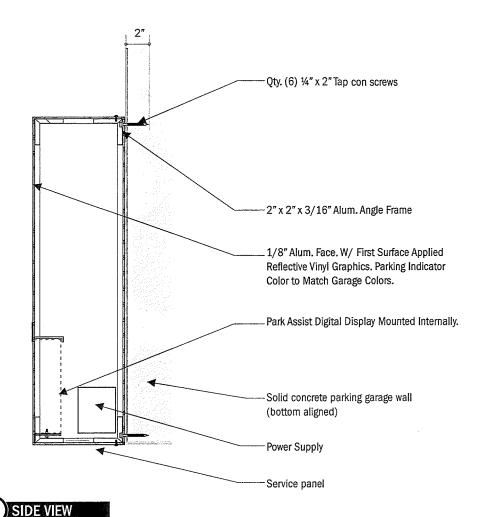
Sign Type: D1 - Hanging Sign Transition Identification

DWG. TYPE:

Construction/Engineering PROJECT NO. TASK NO. QTY.

72951 136640 4 DWG. NO. SHEET 0029MR0 2 of 11

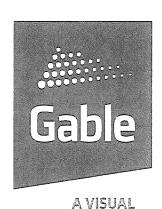




flush mounted junction "data" box Reflective Vinyl Graphics. Parking Indicator painted PT-2 to match PMS Black Color to Match Garage Colors. C - satin finish Main power line flush mounted junction box 22.2" w/ toggle switch painted PT-2 to match PMS Black C - satin finish PARKING DECK © 12" © PARKING SPACES AVAILABLE 69.25"



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SOLUTIONS COMPANY.

7440 Fort Smallwood Road Baltimore, Maryland 21225 800.854.0568

PROJECT TITLE: **Towson Town Center** Towson Town Center - Parking Improv.

Towson, MD SALES REP

MG 07/11/17 MG REVISION HISTORY NO. DATE PREV DRWG DESCRIPTION



Murdoch Engineering 2 Huminingbird Ct. Howell, New Jersey 07731 (9731-570-8215

7/14/17

PROJECT MGR.

Jere Murdoch, P.E. Professional Engineer Måryland P.E. License #41030 PRÓFESSIONAL CERTIFICATION:

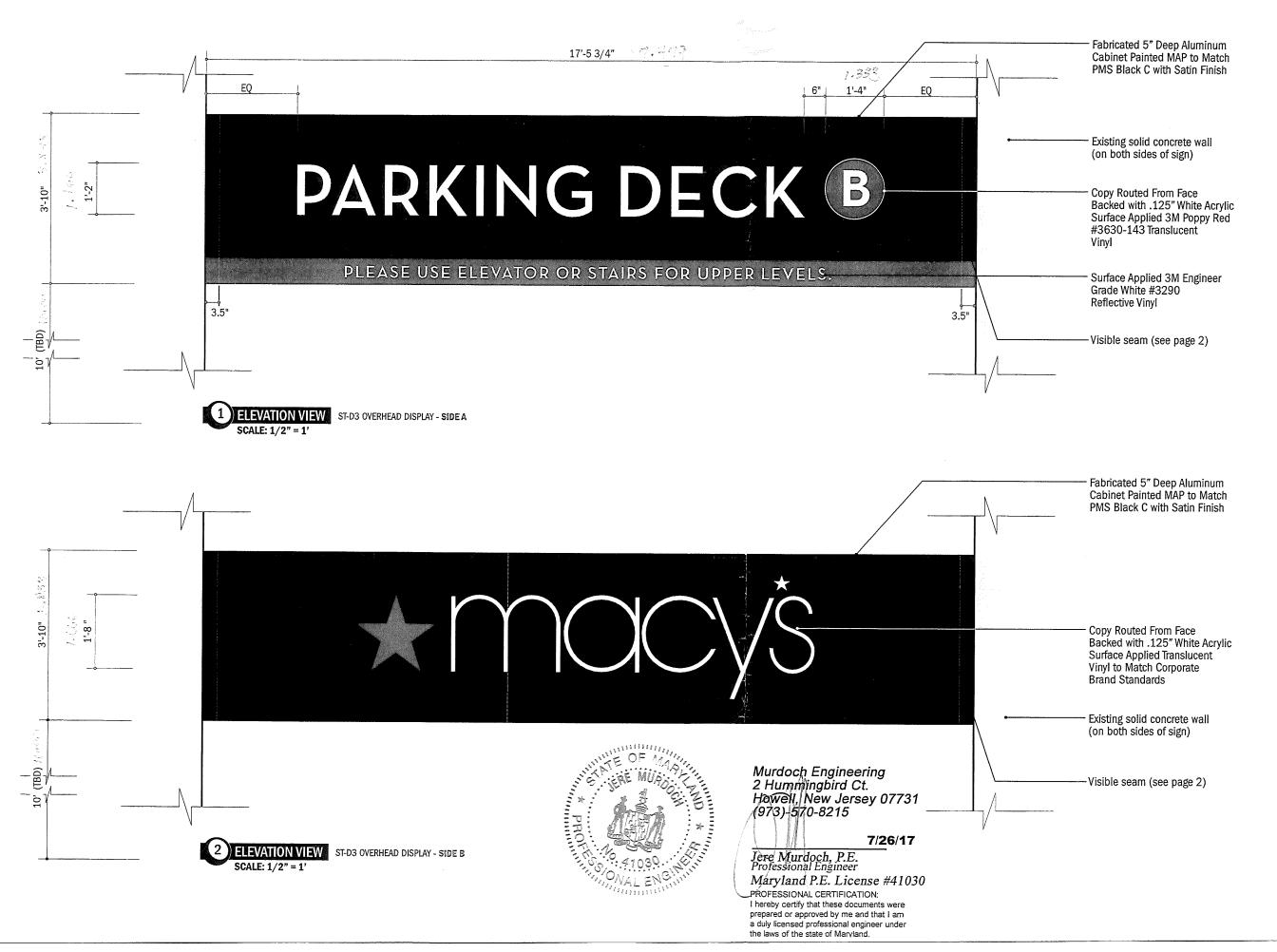
I hereby certify that these documents were prepared or approved by me and that I am a duly licensed professional engineer under the laws of the state of Maryland. License No. 41030, expiration date 8/17/17

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Sign Type: D2 - Wall Mounted Transition Identification

DWG, TYPE: **Construction/Engineering** PROJECT NO. TASK NO. QTY.

72951 136640 4 DWG. NO. SHEET 0029MR0 3 of 11





A VISUAL **SOLUTIONS** COMPANY.

7440 Fort Smallwood Road Saltimore, Maryland 21225 800.854.0568

PROJECTITLE: **Towson Town Center** ORDER TITLE:

Towson Town Center - Parking Improv.

Towson, MD

07/21/17		MG	PROJECT MGR MG
		REVISION HISTO	ORY
NO.	DATE	PREV DRWG	DESCRIPTION

Designed Per IBC 2015 MI Edition With Applicable Amendments

Snow Loads

Ground Snow Load	Pg-	25
Snow Exposure Factor	Ce≖	1.0
Snow Load Importance	1s=	1.1
Thermal Factor	Ct=	1.0

89.1 mph

Wind Loads

Ultimate Design Wind Speed Nominal Design Wind Speed Risk Cat

13-Sec Peak Gust MPH* Wind Importance Factor Wind Exposure Gust Factor 0.85

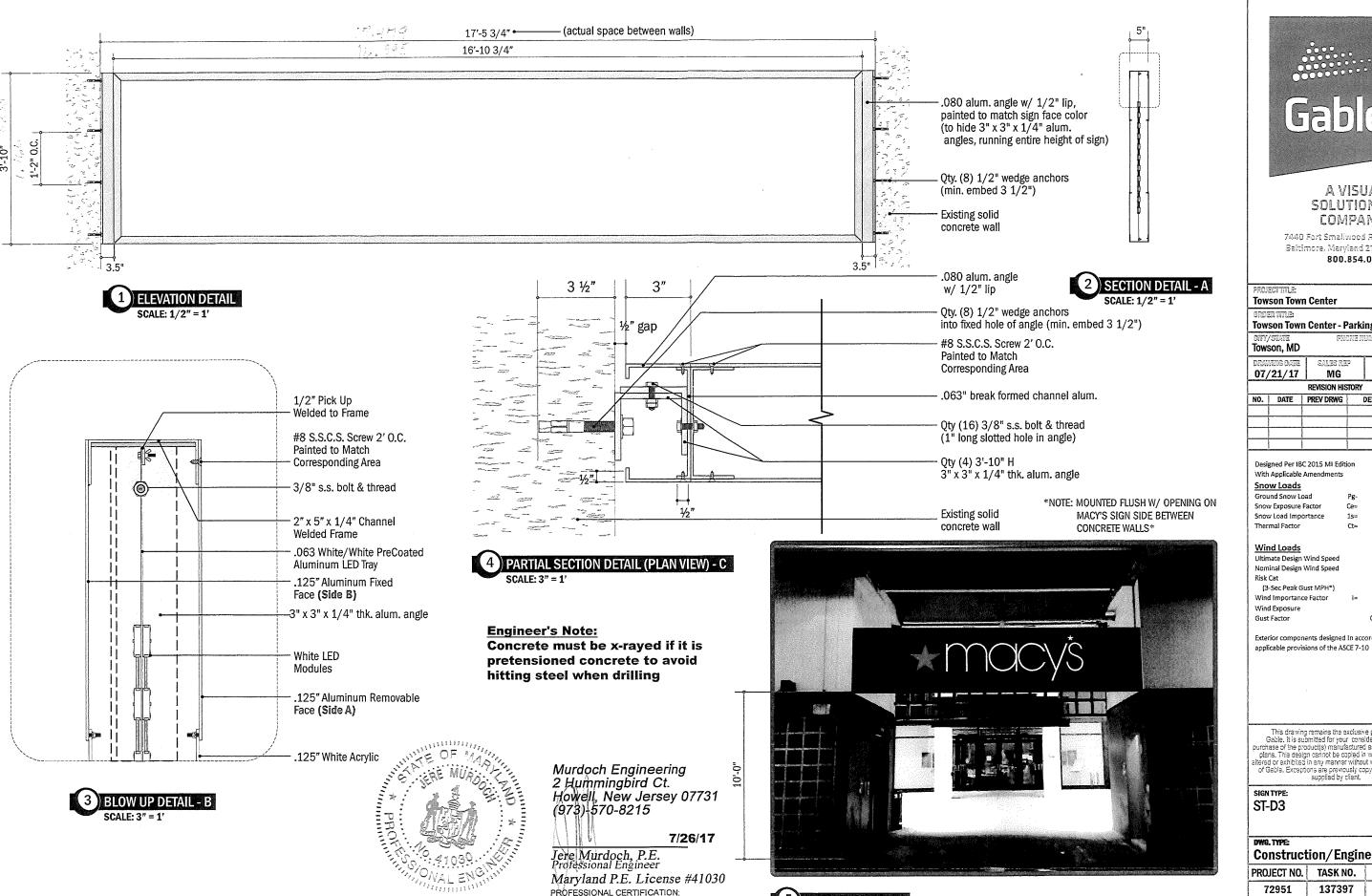
Exterior components designed In accordance with applicable provisions of the ASCE 7-10

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SIGN TYPE: ST-D3

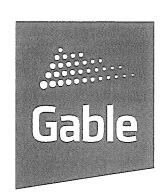
Construction/Engineering

PROJECT NO.	TASK NO.	QTY.
72951	137397	
DWG. NO		SHEET
0049MR	0	1 of 2



I hereby certify that these documents were prépared or approved by me and that I am

5 ELEVATION VIEW



A VISUAL SOLUTIONS COMPANY.

7440 Fort Smallwood Road Baltimore, Maryland 21226 800.854.0568

PROJECT TITLE: **Towson Town Center**

ONDER TITLE:

Towson Town Center - Parking Improv.

Towson, MD

SALES REP PROJECT MGR. MG 07/21/17 MG REVISION HISTORY

NO. DATE PREV DRWG DESCRIPTION

Designed Per IBC 2015 MI Edition With Applicable Amendments

Snow Loads

Ground Snow Load 25 psf Pg-Ce≈ Snow Exposure Factor 1.0 Snow Load Importance 1s≃ 1.1 Thermal Factor

115 mnh

89.1 mph

Wind Loads

Ultimate Design Wind Speed Nominal Design Wind Speed Risk Cat (3-Sec Peak Gust MPH*)

Wind Importance Factor

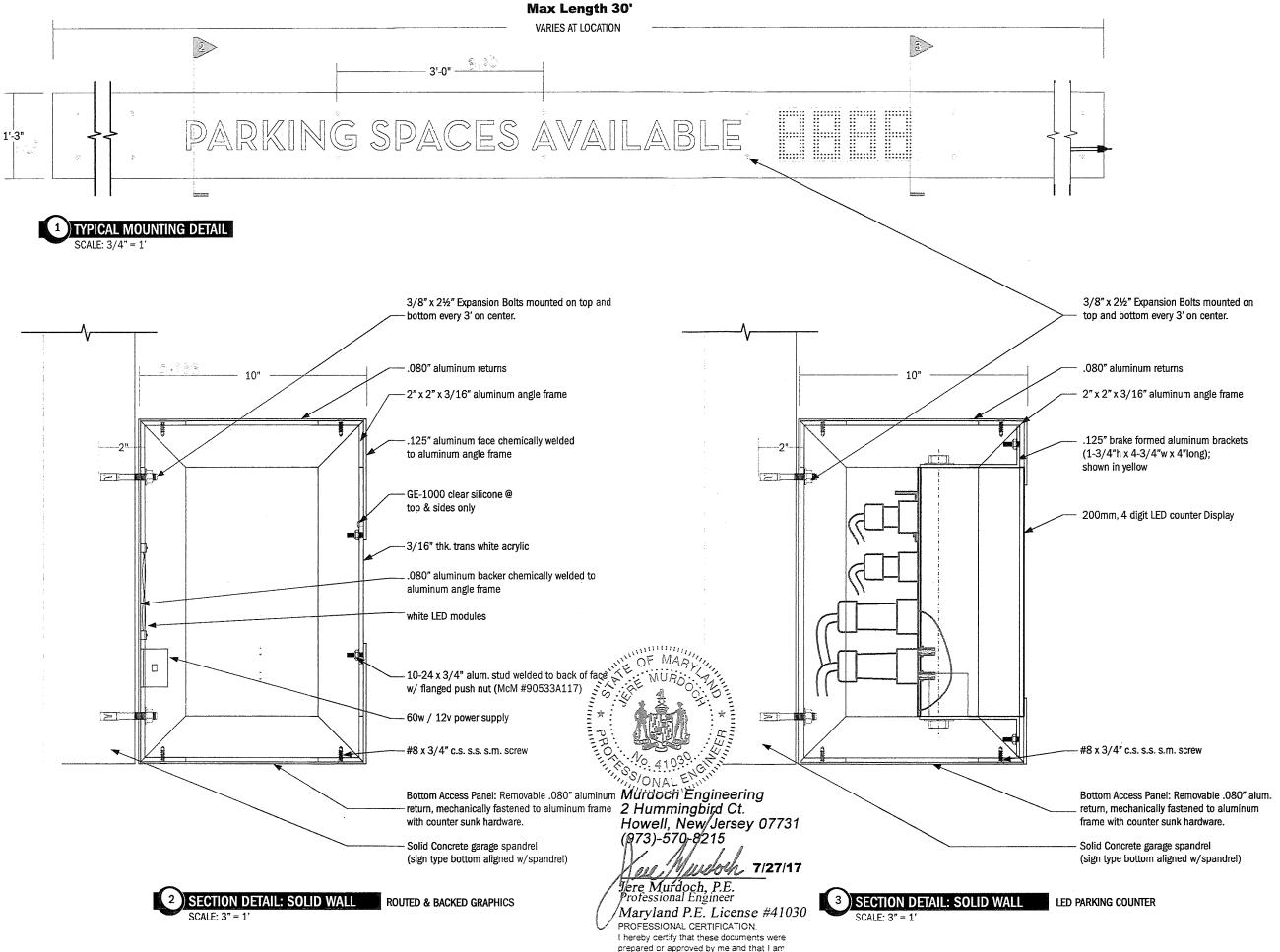
Wind Exposure 0.85 Gust Factor Exterior components designed In accordance with

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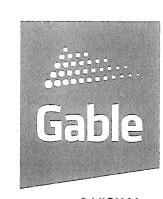
SIGN TYPE: ST-D3

DWG. TYPE: **Construction/Engineering** PROJECT NO. TASK NO. QTY.

137397 72951 SHEET DWG. NO.



a duly licensed professional engineer under the laws of the state of Maryland.



A VISUAL SOLUTIONS COMPANY.

7440 Fort Smaltwood Road Baltimore, Meryland 21228 418,255,6488

PROJECT TITLE:
Towson Town Center
ORDER TITLE:
Towson Town Center

Towson, MD

DRAWING DATE	SALES REP	PROJECT MGR.
07/20/17	MG	MG

	REV	ISION HISTORY
NO.	DATE	DESCRIPTION
		والمراوية
1		

Designed Per IBC 2012 MD Edition
Designed Per Maryland Building Performance

Snow Loads Ground Snow Load

Ground Snow Load	Pg-	20 p
Snow Exposure Factor	Ce≃	1.0
Snow Load Importance	1s=	1.1
Thermal Factor	Ct=	1.0

Wind Loads Ultimate Design Wind Speed Nominal Design Wind Speed

 Risk Cat
 II

 (3-5ec Peak Gust MPH*)
 I = 1

 Wind Importance Factor
 I = 1

 Wind Exposure
 C

 Gust Factor
 0.85

115 mph

89.1 mph

Exterior components designed In accordance with applicable provisions of the ASCE 7-10

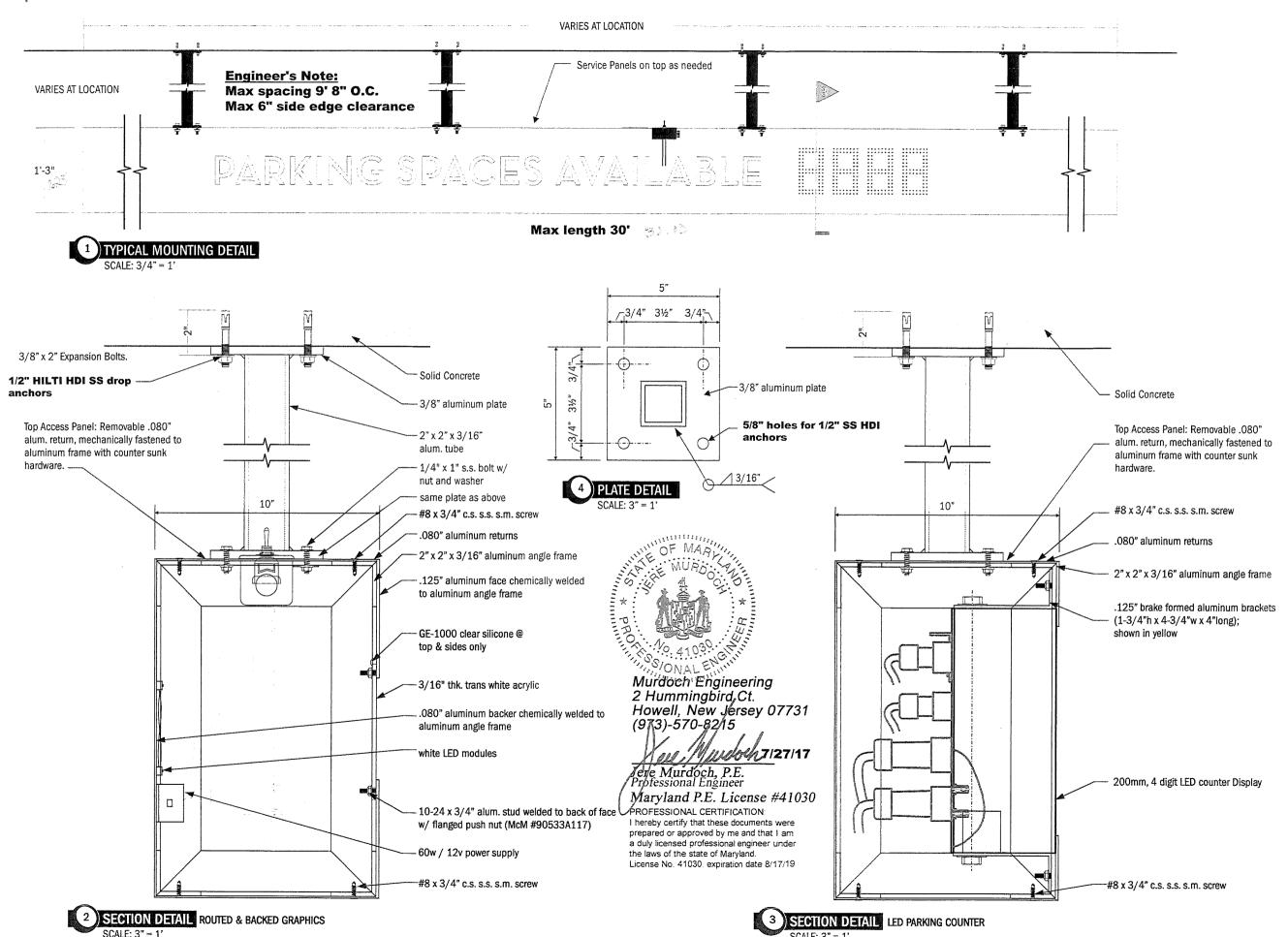
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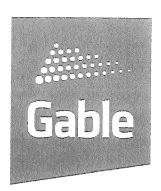
SIGNTYPE: ST-H1:

Park Assist - Wall Mounted
DWG. TYPE:

Construction

Concadon				
PROJECT NO.	TASK	NO.	QTY.	_
72951-1	136	647	4	_
DWG. NO).		SHEET	
0046MR	0	(1, wildlandship	1 of 4	-





A VISUAL SOLUTIONS COMPANY.

7440 Port Smallwood Road Baltimore, Waryland 21226 400.265.5480

PROJECT TITLE:
Towson Town Center
ORDER TITLE:
Towson Town Center

CITY/STATE Towson, MD

DRAWING DATE 07/20/17	SALES REP MG	PROJECT MG
and the second	REVISION HISTORY	

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E	NO.	DATE	DESCRIPTION	
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1				
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Designed Per IBC 2012 MD Edition

Designed Per Maryland Building Performance

Snow Loads

Ground Snow Load	Pg-	20 p
Snow Exposure Factor	Ce=	1.0
Snow Load Importance	15=	1.1
Thermal Factor	Ct≈	1.0

Wind Loads

Wind Exposure

Ultimate Design Wind Speed		115 mph
Nominal Design Wind Speed		89.1 mph
Risk Cat		H
(3-Sec Peak Gust MPH*)		
Mind Importance Cartes	1	4

Gust Factor 0.85
Exterior components designed in accordance with

applicable provisions of the ASCE 7-10

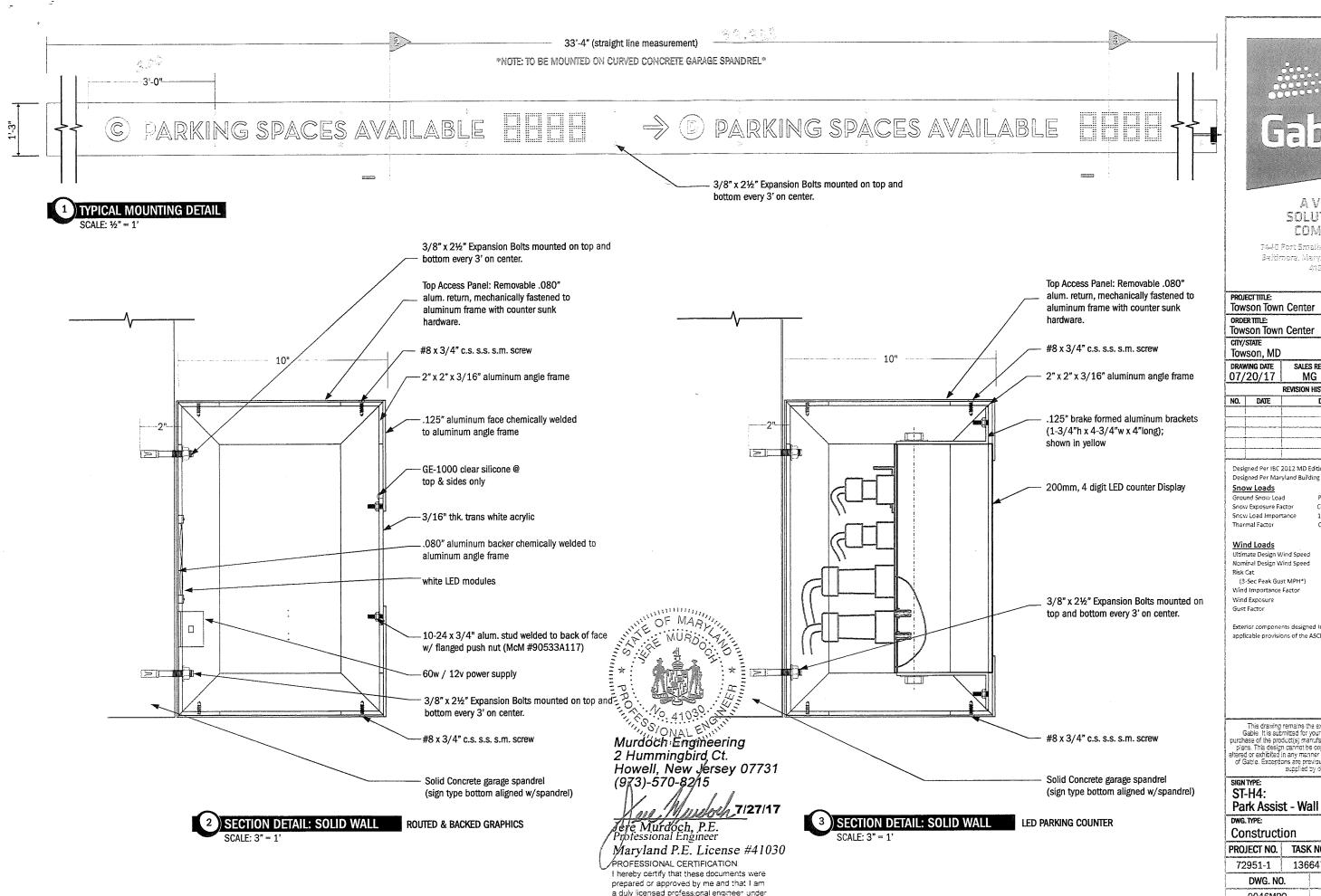
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ST-H2: Park Assist - Suspended

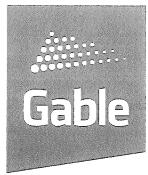
Construction PROJECT NO. TA

SIGN TYPE:

PROJECT NO.	TASK NO.	QTY.
72951-1 136647		3
DWG. NO).	SHEET
0046MR	-	2 of 4



the laws of the state of Maryland License No. 41030, evaluation date 8:17:19



A VISUAL SOLUTIONS COMPANY.

7448 Fort Smallwood Road Beltimore, Maryland 21225 418.755.8480

PROJECTITILE:							
lowson lown Center							
ORDER TITLE:							
Towson Town Center							
CITY/STATE							
Towson, MD							
DRAWING DATE	SALES REP	PROJECT MGR					
	Towson Town order title: Towson Town city/state Towson, MD	Towson Town Center ORDER TITLE: Towson Town Center CITY/STATE Towson, MD					

REVISION HISTORY								
NO.	DATE	DESCRIPTION						
<u> </u>								

Designed Per IBC 2012 MD Edition Designed Per Maryland Building Performance

Snow Loads Ground Snow Load Snow Exposure Factor 1.0 Snow Load Importance 15= Ct= 1.1

1.0

Wind Loads Ultimate Design Wind Speed

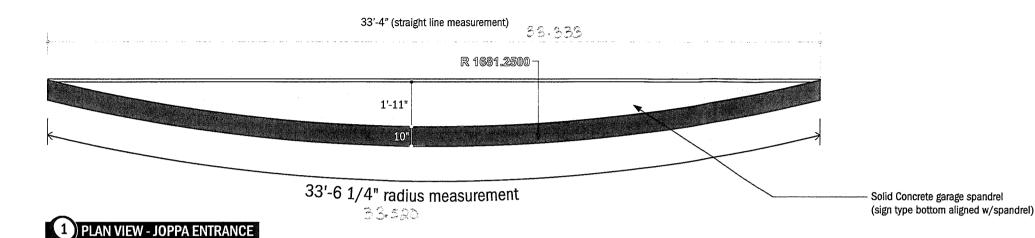
115 moh Nominal Design Wind Speed 89.1 mph (3-Sec Peak Gust MPH*) Wind Importance Factor Wind Exposure 0.85

applicable provisions of the ASCE 7-10

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ST-H4: Park Assist - Wall Mounted Construction PROJECT NO. TASK NO.

QTY. 72951-1 136647 SHEET DWG. NO. 3 of 4 0046MRO



H1 Calculations

SCALE: 1/4" = 1

Letter depth = L

for raceway

54 psf 1.48 kips

21 30 B-kins

= OK = OK

3.89 ft-kips

Return to building from face = Lr+

Enter Raceway Hight in feet = Rh # Rows of Fasteners

Exposure category (8, C ar C) Importance factor, pg 73, (0.87, 1.0 or 1.15)
Basic wind speed (3 sec. gust wind) Topographic factor (Sec.3.5.7.2, pg 25 3 45)

Height of top Vertical dimension (for well s = h) Horizontal dimension Dimension of return corner Sign Face to building wall

INPUT DATA

DESIGN SUMMARY

Max horizontal wind pressure Max total horizontal force at centroid of base Max bending moment at centroid of base Max torsion at centroid of base

CONNECTION CALCULATIONS Wind Pressure = 40ps* @ V=115mph

Risk Catecory = Wind Load = 1481 lbc (Max.) Check Connection at Building Wall Maximum tens on force on top row fasteners ((((1481)x(0.63))+((375.0)x(E.CO)))*(1.25) = 2240.71 Total Fasteners (2=ROWS) = 14.00 Total

<u>Allowable tension:</u>
2/8° Double Lag-Shield Bolt into Solid Masonry/CM/U
Allowable Pen/Tastenet (Tension = 365.0 / Shear = 720) Actual Tension = 2241 lbs. < 2585.0 lbs.Allowable Actual Per/Fastener Shear = 27 < 720 lbs.Allowable F Analysis:
Applied Load 2.24kips ~ 2.56kps Fastener Total ~ 0.32Kips

Nin mum Fasteners @ Top Edge = $(T) \times (Z)$ Rows = (14)

H2 Calculations

115 | IBC-2012/2015 Litimate (Blankfor IBC 2009 or cider). Ultimate Wind Speed= Normal Wind Speed= | IBC-2009/2012 Nominal open terrain, scattered buildings <30Ft. 1.76 ASCE 7-05 / ASCE 7-10 Force Coefficient G= 0.85 Gust Factor 0.85 Velocty pressure Coefficent @ height <zt= Topographic factor Importance factor Wind direct onality factor

		Areas Subject to Wind Forces							
		Height	Width	Area	Centroid	Wind	Pounds	las. Total	TOS
Γ	ioF)	浦	10	(នភូក្ស៊ី	(fb)	្ទេខត្	ಾಚೆ:		
	176	1.25	30.00	37.50	2.4	24.0	15	562.5	3

Column Support Design Table								
± of	Column	Column	l ength	Statt	Fnd	Sleeve	Sacr	fħ
Co!s	Type	Size		Elev	Elev	Depth		
	(P,1S)		(11)	(ft)	(10)	(10)	(m*3)	(KSI)
4	RT	RT2XX.19				MA.	0.75	8.5

Plate Design

# of Base Plates≖	4	
Maximum Column Dimension, OD=	2 00	in, perpendicular to sign face
Number of Bolts, n=	2	per line front and back
Compressive Strength of Concrete, fc=	3.000	psi at 28 days
Moment / Base Plate. M=	534	Ib-ft
Bolt Line Spacing. L=	3.50	in, from front to back
Base Plate Dimensions:	N=	900 in B≕ 900 in
Tension per Bolt Line, T=	1.832	lb. = M/L (simple moment couple)
Maximum Moment on the Plate, Mpl=	1,374	[Ib-in] = (T)((L-OD)/2)
Plate Thickness w/o Gussets, t=	0.28	in, = Sqrt((6M)/(0.75Fy(4/3) Beff))
Plate Thickness w/o Gussets, t= Plate Thickness w/ Gussets, t=		in, = Sqrt((6M)/(0.75Fy(4/3) Beff)) in, = Sqrt((6M)/(0.75Fy(4/3) Beff)*0.8)
· ·		

Tension/anchor = 1832 lb / 2 = 916 lb 1/2" HDI anchor allowable = 945 lb **Tension OK**

H4 Calculations

INPUT DATA

DESIGN SUMMARY

Max horizontal wind prescure

Exposure category (8, 0 or 0) Importance factor, pg 73, (0.87, 1.0 or 1.15) Basic wind speed (3 sec. gust wind)
Topographic factor (Sec. 5.7.2, og 26 8 45) Height of top Vertical dimension (for wall, s = 1) Harizontal dimension
Dimension of return corner Sign Face to building wall

V	_	115	mph
K₃	=	1	Flat
h	=	15	ft
s	=	1.25	ft
R	=	33 333	n
Letter depth $=$ L,	=	10	ft
Return to building from face = Lr÷	==	C	ft = for raceway
Finter Raceway Hight in feet = Rh	=	0	ft .
#Rows of Fastaners	=	2	
	_	_	51 au
	P	_	54 pof
	F	=	1.65 kips

Max bending moment at certroid of base **CONNECTION CALCULATIONS**

Max total horizontal force at centroid of base

Wind Pressure = 40psf @ V=115mph Risk Category = Wind Load = 1646 lbs (Max.)

Check Connection at Building Wall

Maximum tension force on top row fasteners ((((1546)x(0.63))+((416.7)x(5.00)))/(1.25) = 2489.65 Total Fasteners (2= ROWS) = 16.00 Total Allowable tension:

3/8" Double Lag-Shield Bolt into Solid Masonry/CMU Allowable Per/Fastener: (Tension = 365.0 / Shear = 720) Actual Tension = 2490 lbs. < 2920.0 lbs. Allowable Actual Per/Fastener Shear = 26 < 720 lbs. Allowable F Analysis: Applied Load 2.49kips < 2.92kips Fastener Total = 0.43Kips

Minimum Fasteners @ Top Edge = (8) \times (2) Rows = (18)



Murdoch Engineering * 2 Hummingbird Ct. # Howell, New/Jersey 07731 ₹**973)-570**2**8/215**

= 0K = 0K

ell, Mueloch 7127117 lere Murdoch, P.E.

Professional Engineer /Maryland P.E. License #41030

PROFESSIONAL CERTIFICATION: I hereby certify that these documents were prepared or approved by me and that I am a duly licensed professional engineer under the laws of the state of Maryland. License No. 41030 expiration date 8/17/19



A VISUAL SOLUTIONS COMPANY.

74-40 Fort Smallwood Road Baltimore, Maryland 21226 416,255,6400

PROJECT TITLE: **Towson Town Center** ORDER TITLE: Towson Town Center CITY/STATE Towson, MD

DRAWING DATE SALES REP PROJECT MGR. 07/20/17 MG MG REVISION HISTORY NO. DATE DESCRIPTION

Designed Per IBC 2012 MD Edition Designed Per Maryland Building Performance **Snow Loads** Ground Snow Load 20 psf Snow Exposure Factor 1.0 Snow Load Importance 1.1 Thermal Factor 1.0

23.66 ft-kips

Wind Loads Ultimate Design Wind Speed 115 mph Nominal Design Wind Speed 89.1 mph Risk Cat (3-Sec Peak Gust MPH*) Wind Importance Factor Wind Exposure Gust Factor 0.85

Exterior components designed In accordance with applicable provisions of the ASCE 7-10

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SIGN TYPE: ST-H4: Park Assist - Wall Mounted

DWG. TYPE: Construction

PROJECT NO. TASK NO. QTY. 72951-1 136647 DWG. NO. SHEET 0046MRO 4 of 4