

CHS.NB.1038

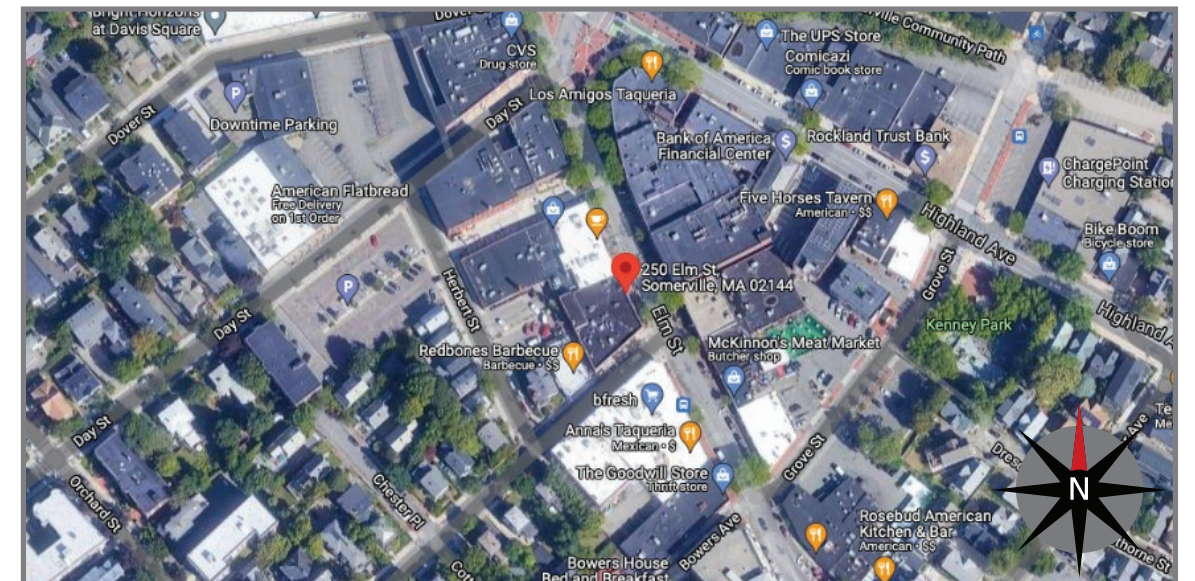
DAVIS SQUARE

250 Elm Street
Somerville, MA 02144

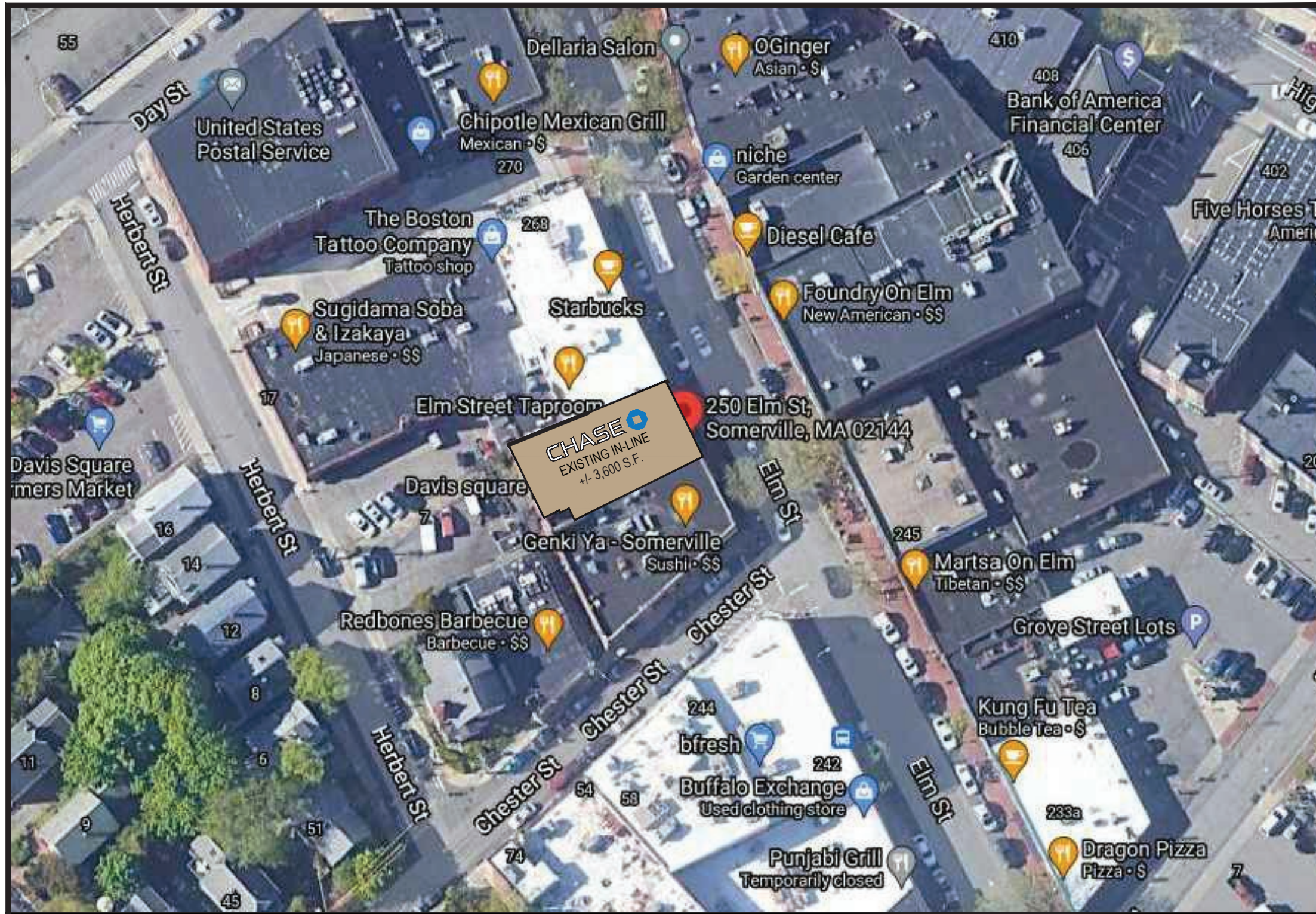


REVISION NOTES:

- 03.23.22 AC Updated elevation.
- 03.28.22 JM Added A Second Option for E02.
- 04.05.22 AC Revised as Noted.
- 05.10.22 AC Added Option 1 & 2.



B99188





Site Plan

Davis Square Elm Street

250 Elm Street, Somerville, MA 02144

DATE	DESIGNER	AREA	SCALE
11/09/21	WP	+/- 3,600 sf	






CHS.NB.1038 - Davis Square
 250 Elm Street
 Somerville, MA 02144

DESIGNER - JM
CREATED - 01.17.22
DRAWING - B99188



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Site Plan

Exterior Scope of Work

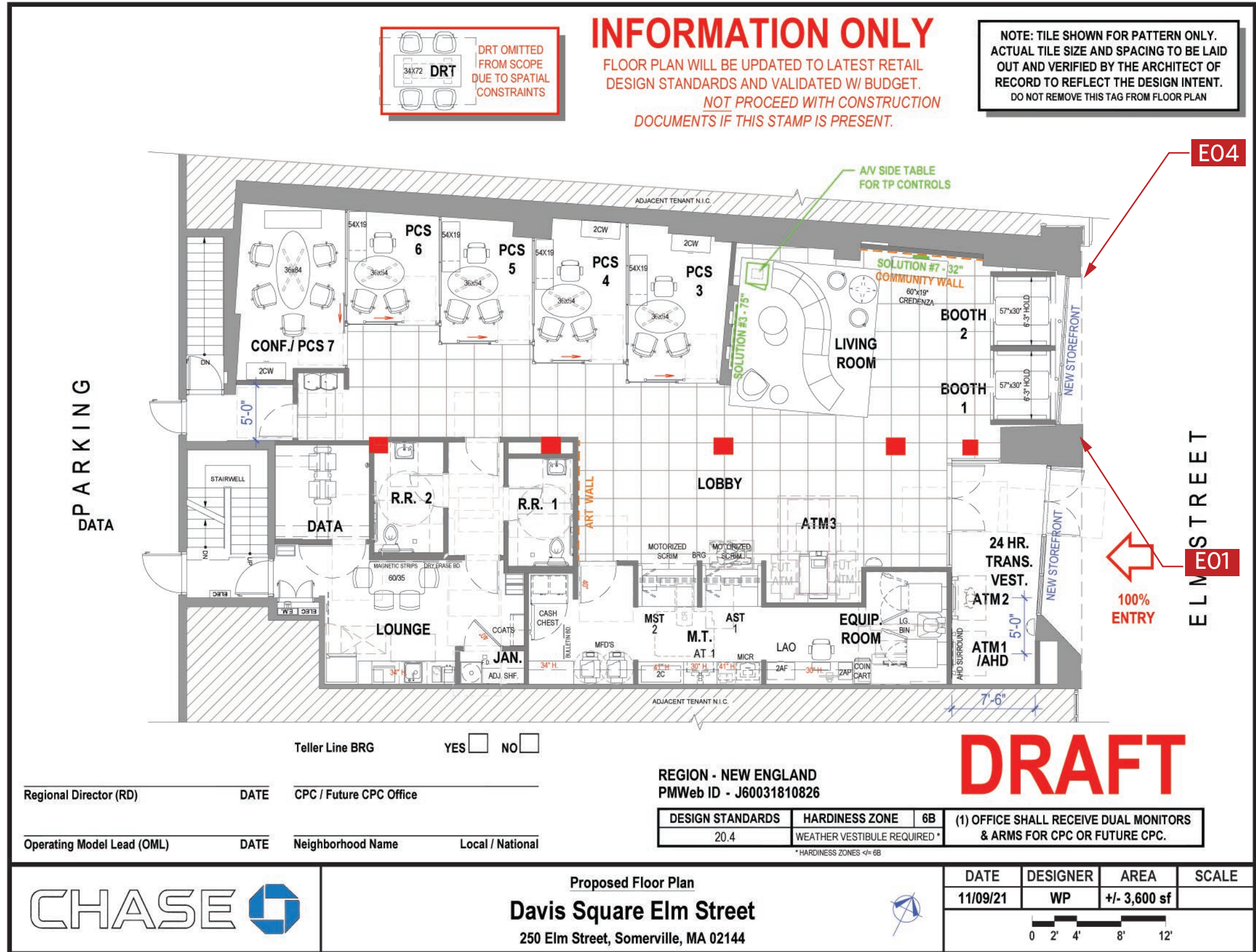
E01	LIF-WBO-24-LED	WHITE W/ BLUE OCTAGON ILLUM CHANNEL LETTERS	36.9sf
E04	OCT-TP-B-24	THIN PROFILE OCTAGON BLADE SIGN	5sf



INFORMATION ONLY

FLOOR PLAN WILL BE UPDATED TO LATEST RETAIL DESIGN STANDARDS AND VALIDATED W/ BUDGET.
NOT PROCEED WITH CONSTRUCTION DOCUMENTS IF THIS STAMP IS PRESENT.

NOTE: TILE SHOWN FOR PATTERN ONLY. ACTUAL TILE SIZE AND SPACING TO BE LAID OUT AND VERIFIED BY THE ARCHITECT OF RECORD TO REFLECT THE DESIGN INTENT. DO NOT REMOVE THIS TAG FROM FLOOR PLAN



Teller Line BRG YES NO

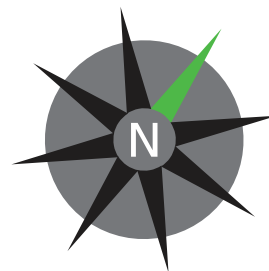
Regional Director (RD) _____ DATE _____ CPC / Future CPC Office _____

Operating Model Lead (OML) _____ DATE _____ Neighborhood Name _____ Local / National _____

REGION - NEW ENGLAND
 PMWeb ID - J60031810826

DESIGN STANDARDS	HARDINESS ZONE	6B	(1) OFFICE SHALL RECEIVE DUAL MONITORS & ARMS FOR CPC OR FUTURE CPC.
20.4	WEATHER VESTIBULE REQUIRED*		

*HARDINESS ZONES <= 6B



■ Exterior Signs
 ■ Interior Signs



Proposed Floor Plan
Davis Square Elm Street
 250 Elm Street, Somerville, MA 02144

DATE	DESIGNER	AREA	SCALE
11/09/21	WP	+/- 3,600 sf	



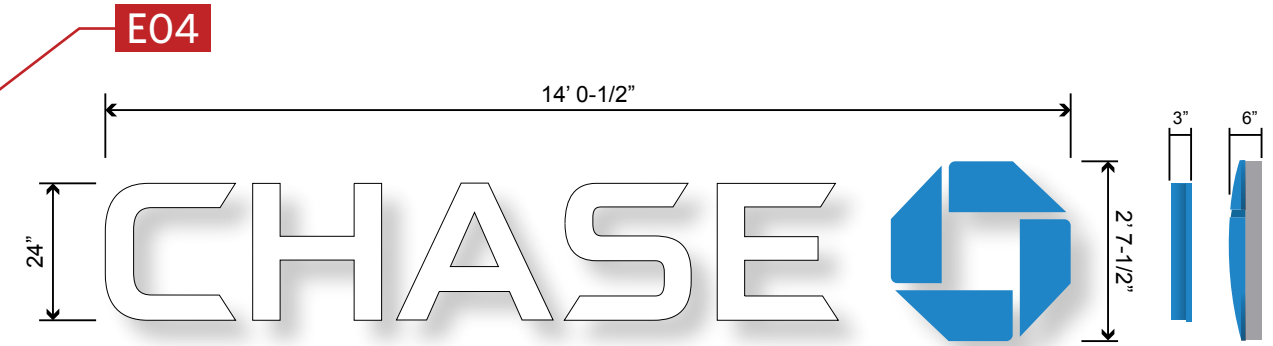
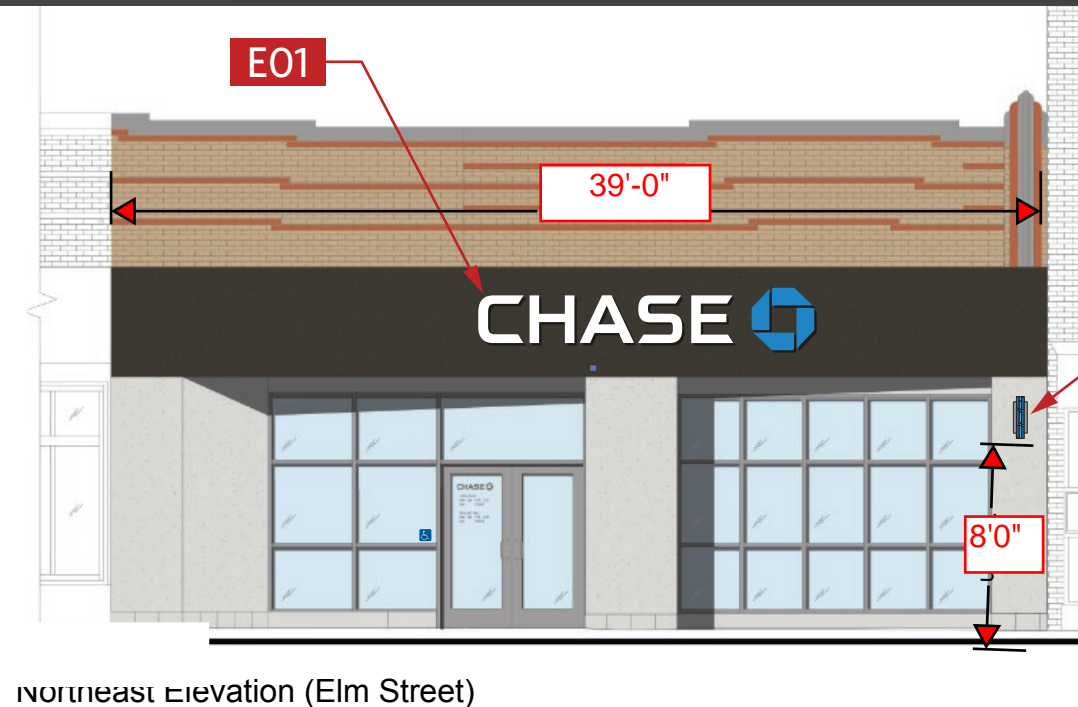
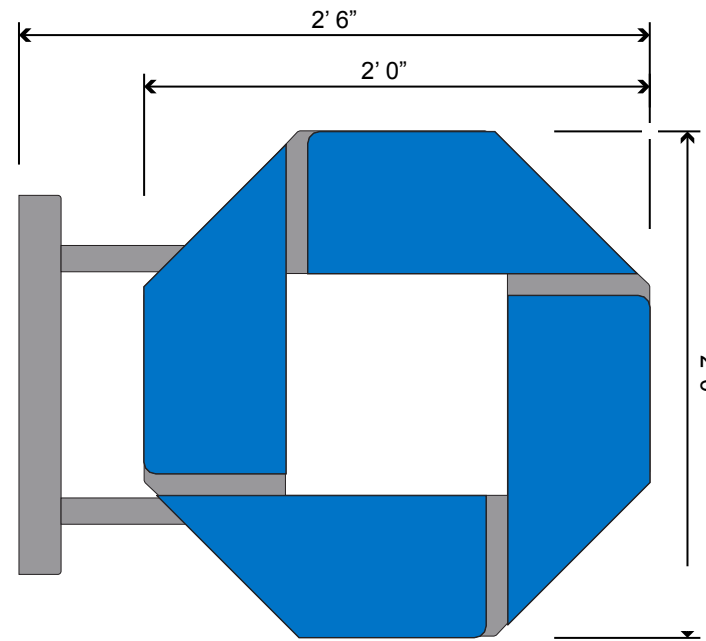
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LIF-WBO-24-LED
WHITE W/ BLUE OCTAGON ILLUM CHANNEL LETTERS - 36.9sf

OCT-TP-B-24
THIN PROFILE OCTAGON BLADE SIGN - 5sf
 SCALE: NTS



Zoning	Sign #	Sign Type	Max Sign Area		Max # allowed		Min. Height		Max Height		Max width of fascia		Max Projection	
			Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed
CBD (Central Business District)	E01- LIF WBO 24	Illuminated Channel letter wall sign	40sq ft	36.9 sq ft	1	1	1'-0"	2'-7 1/2"	4'-0"	2'-7 1/2"	90%	35%	6"	6"

Zoning	Sign #	Sign Type	Max Sign Area		Max # allowed		Max Width Blade Sign		Max Height		Max Thickness Blade Sign		Clearance over Sidewalk		Max Projection from Façade	
			Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed	Allowed	Proposed
CBD (Central Business District)	E04-OCT-TP-B-24	Illuminated Blade Sign	6sq ft	4 sq ft	1	1	4'-0"	2'-6"	3'-0"	2'-0"	6"	4 1/2"	8'-0"	8'-0"	4'-0"	2'-6"



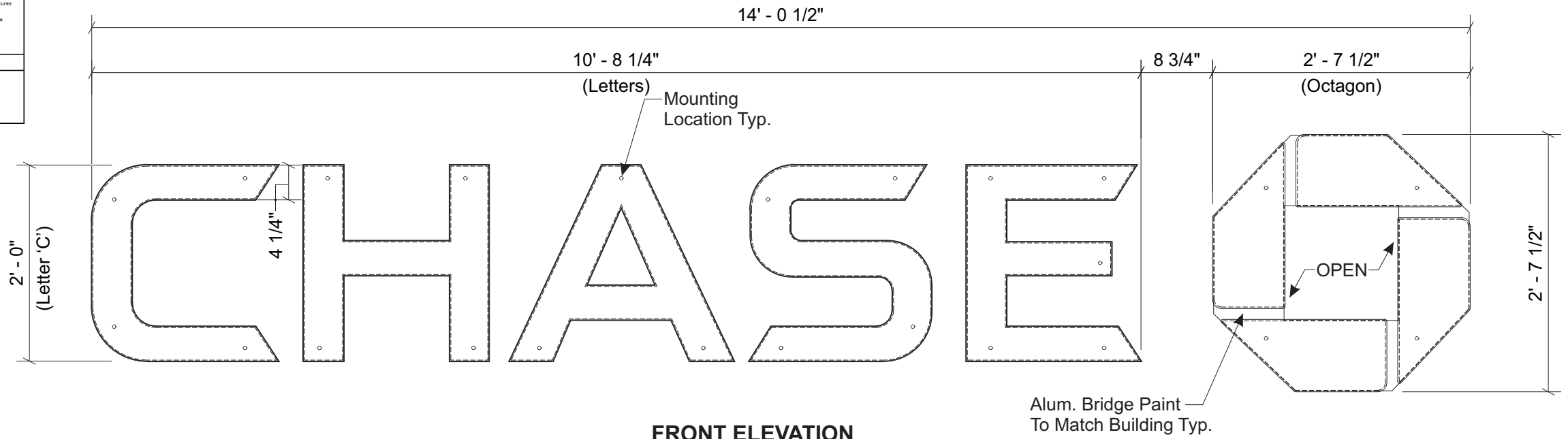
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DESIGN SPECIFICATIONS	
IBC 2015 with MA amendments	MA Building Code (9th Edition)
ASCE 7-10	Minimum Design Loads for Buildings & Other Structures
ACI 318-14	Building Code Requirements for Structural Concrete
ANSI/AISC 360-10	Specification for Structural Steel Buildings
DESIGN LOADS	
Wind Vult = 127 mph	
Exposure C	
Risk Cat. II	
Grnd. Snow Pg = 40 psf	



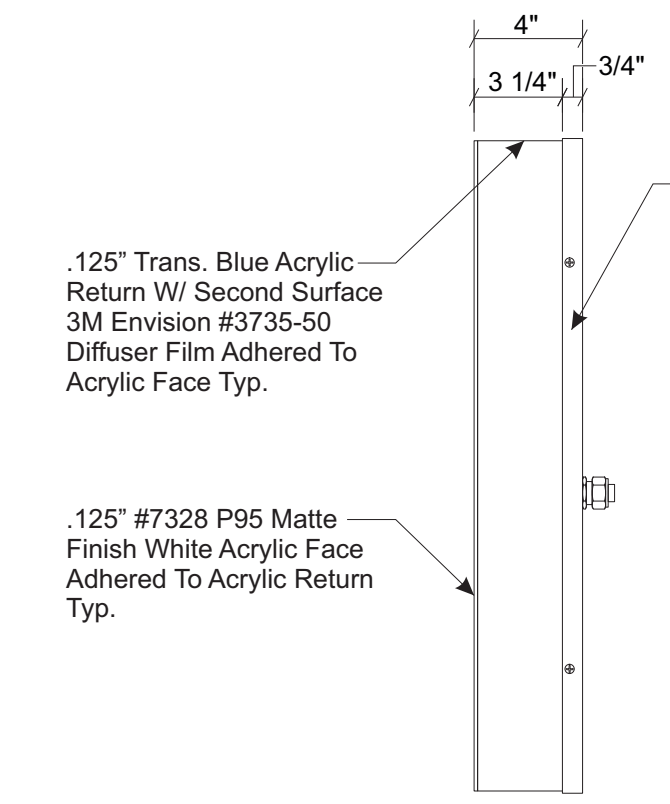
**FRONT ELEVATION
LIF-WBO-24-LED (SIGN E01)**

QTY: 1

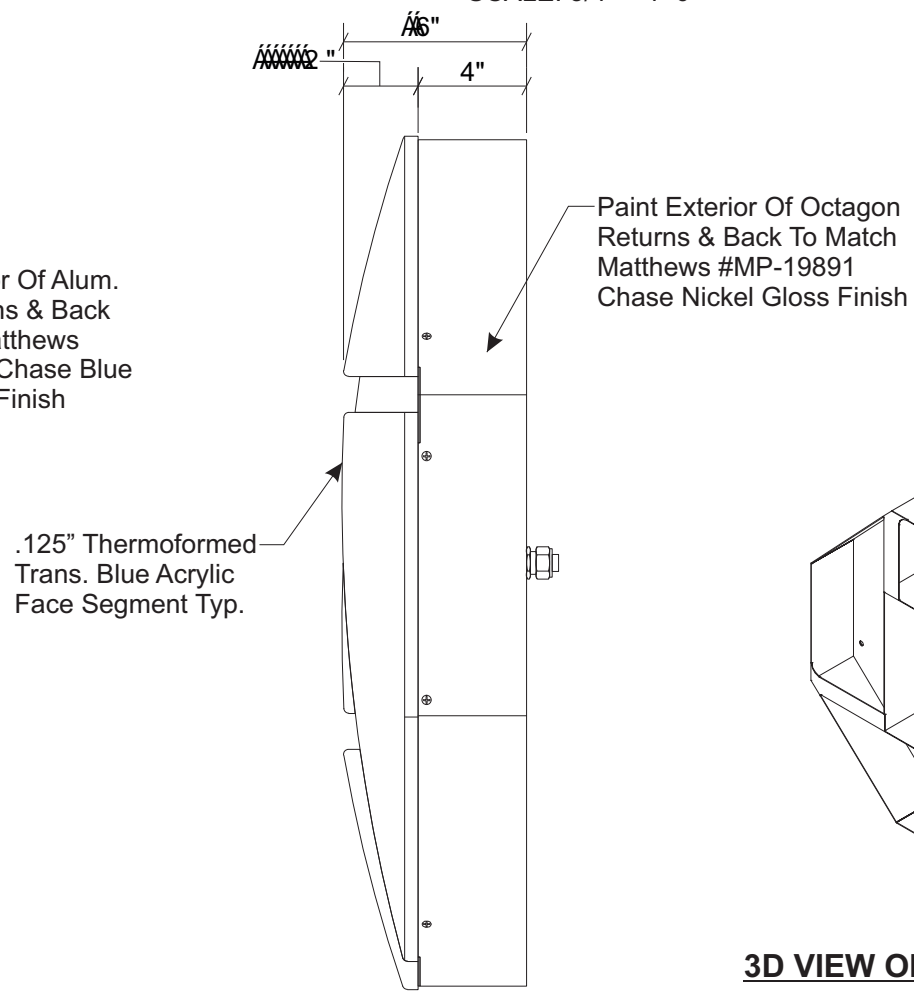
SCALE: 3/4" = 1'-0"

**PERMITS
ONLY**

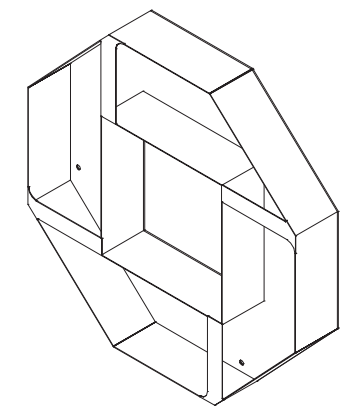
**ALL EXPOSED FASTENER HEADS
SHALL BE PAINTED TO MATCH
THE EXTERIOR CABINET FINISH**



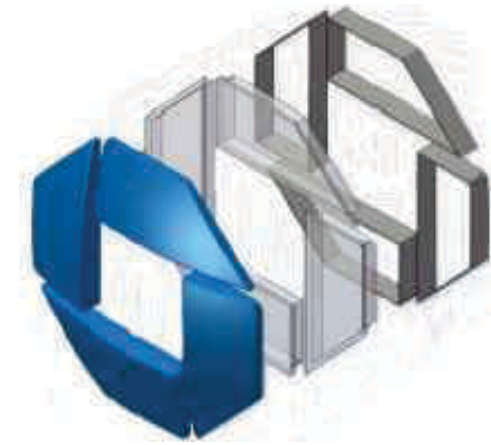
**SIDE VIEW OF
CHANNEL LETTER**
SCALE: NTS



**SIDE VIEW
OF OCTAGON**
SCALE: NTS



3D VIEW OF OCTAGON CABINET



3D VIEW OF OCTAGON

Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the NFPA 2017 National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

Est. Electrical Load
3.20 Amps @ 120 Volts
Electrical Req'mts
(1) 20 Amp/120 Volt Circuits

STANDARD LETTER NOTES:

- Sufficient Primary Circuit In Vicinity Of Sign By Others.
- Letter To Letter Wiring & Final Primary Hook-up By Sign Installer, Where Allowed By Local Codes.
- Sign Shall Be U.L. Listed.
- Mounting Hardware By Sign Installer.
- Full Size Drilling Template Furnished With Sign.

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CUSTOMER:
CHASE

JOB NUMBER:
S107857/CHS.NB.1038

SIGN TYPE:
SITE SIGNAGE

LOCATION:
**250 Elm St
Somerville MA 02144**

DATE:
5/27/2022

DRAWN BY:
DRC

REVISION:
Number: Date: By:

SHEET: ENG DEPT
1 OF 4

DWG NUMBER:
B-94271

ENGINEER SEAL:

MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS

2399 A-2 NJ-34
MANASQUAN, NJ 08736
(973) 570-8215 x10

Jere Murdoch 8/1/2022
Jere Murdoch, PE
Professional Engineer
MA PE Lic. #49706

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ANSI/AISC 360-10	Specification for Structural Steel Buildings
DESIGN LOADS	
Wind Vult =	127 mph
Exposure	C
Risk Cat.	II
Grnd. Snow Pg =	40 psf

**PERMITS
ONLY**



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SIGN TYPE:
SITE SIGNAGE

LOCATION:
250 Elm St
Somerville, MA02144

DATE:
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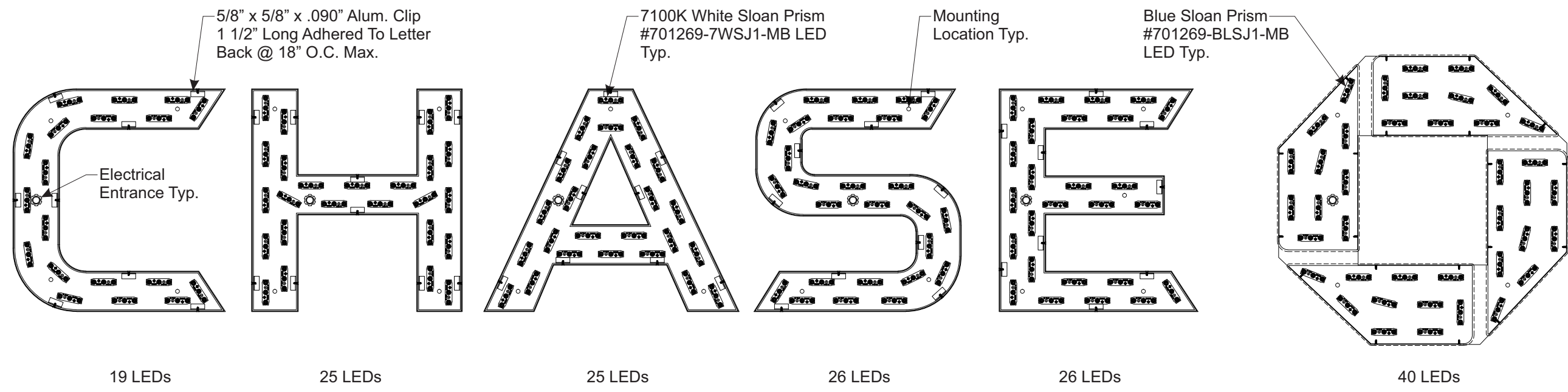
DRAWN BY:
DRC

REVISION:
Number: Date: By:

SHEET: ENG DEPT
2 OF 4

DWG NUMBER:
B-94271

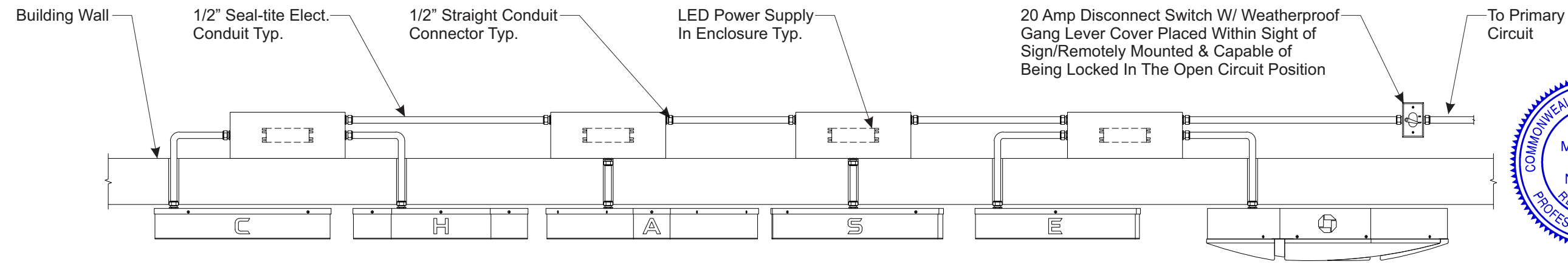
ENGINEER SEAL:



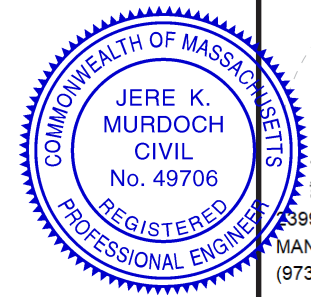
LED LAYOUT

ELECTRICAL REQUIREMENTS:
LEDs: (121) 7100K White Sloan Prism #701269-7WSJ1-MB
(40) Blue Sloan Prism #701269-BLSJ1-MB
Power Supply: (4) Sloan Prism 60C2 60W #701507-60C2 @ 0.8A
Total Load: 3.2A @120VAC
Circuits: (1) 20 Amp Required

ALL PRIMARY & SECONDARY WIRING MUST BE GROUNDED PER ALL APPLICABLE UL & NEC GUIDELINES



WIRING DIAGRAM FOR REMOTE, NON-PARAPET WALL INSTALLATION



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MANASQUAN, NJ 08736
(973) 870-8215 x0
Jere Murdoch 5/31/2022
Jere Murdoch, PE
Professional Engineer
MA PE Lic. #49706

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ANSI/AISC 360-10	Specification for Structural Steel Buildings
DESIGN LOADS	
Wind Vult = 127 mph	
Exposure C	
Risk Cat. II	
Grnd. Snow Pg = 40 psf	

**PERMITS
ONLY**



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JOB NUMBER:
S107857/CHS.NB.1038

SIGN TYPE:
SITE SIGNAGE

LOCATION:
250 Elm St
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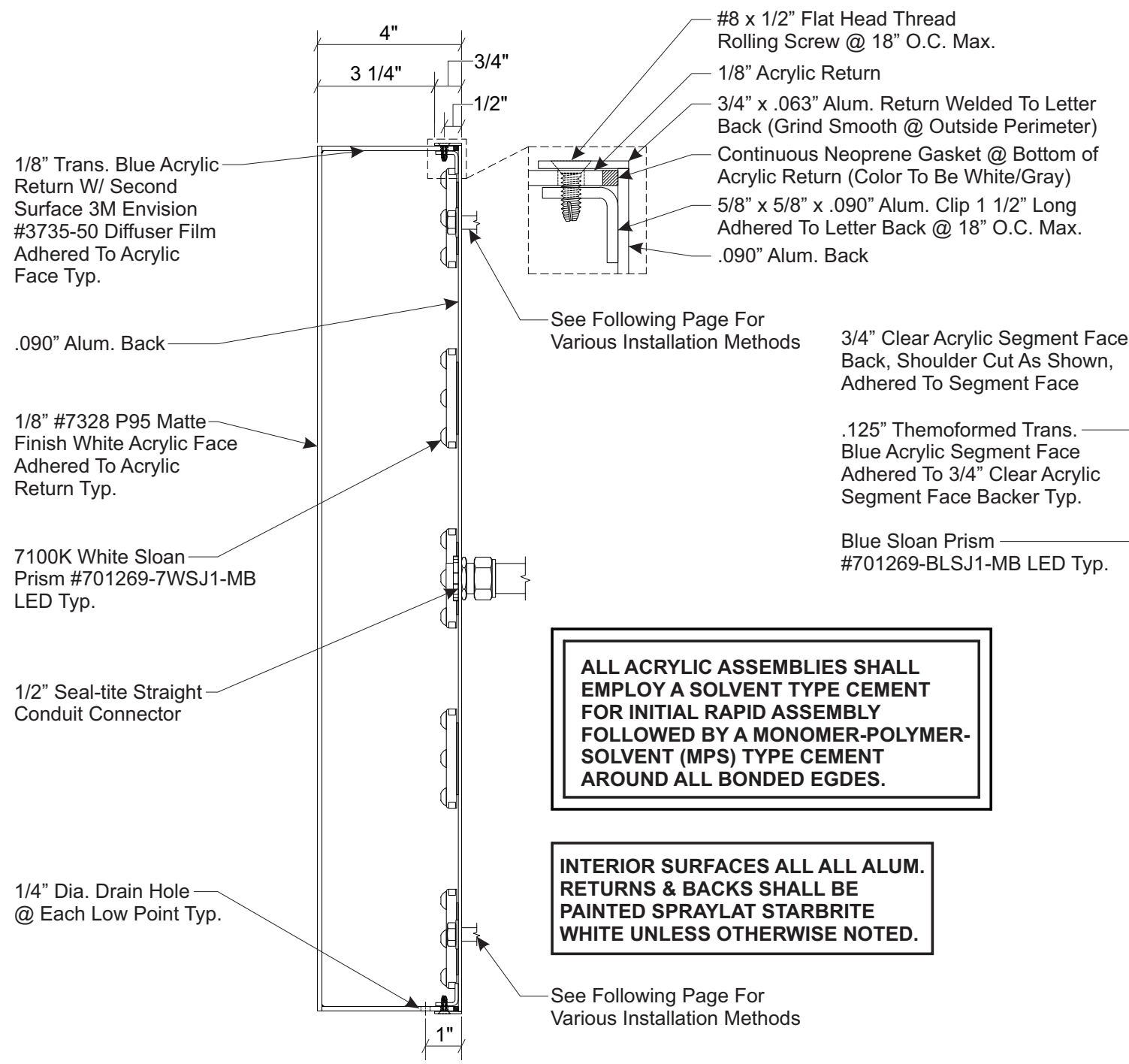
ENGINEER SEAL:

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Jere Murdoch 5/31/2022

Jere Murdoch, PE
Professional Engineer
MA PE Lic. #49706



SECTION THROUGH LETTER
SCALE: 3" = 1'-0"

3/4" Clear Acrylic Segment Face Back, Shoulder Cut As Shown, Adhered To Segment Face

.125" Thermoformed Trans. Blue Acrylic Segment Face Adhered To 3/4" Clear Acrylic Segment Face Backer Typ.

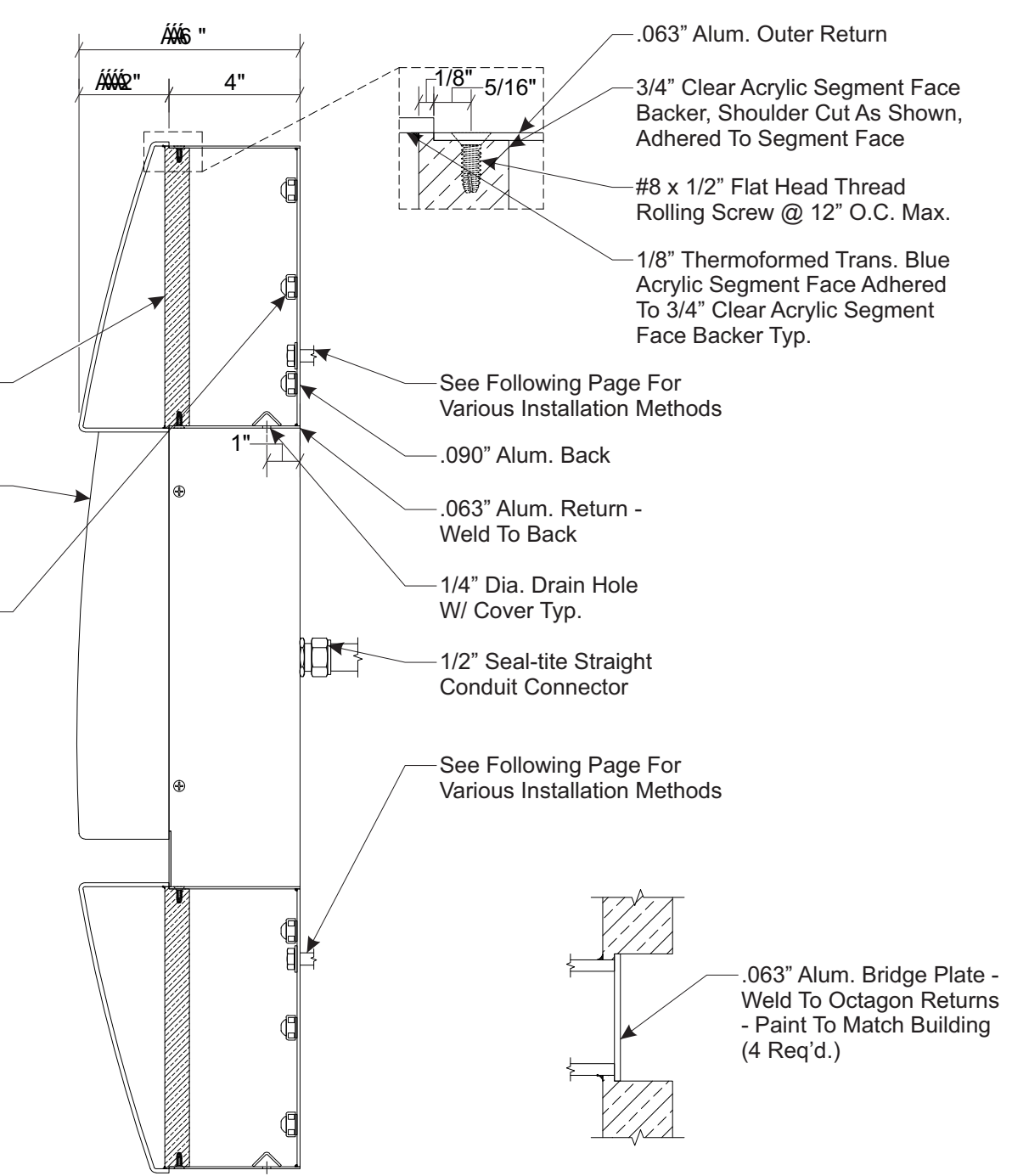
Blue Sloan Prism #701269-BLSJ1-MB LED Typ.

ALL ACRYLIC ASSEMBLIES SHALL EMPLOY A SOLVENT TYPE CEMENT FOR INITIAL RAPID ASSEMBLY FOLLOWED BY A MONOMER-POLYMER-SOLVENT (MPS) TYPE CEMENT AROUND ALL BONDED EDGES.

INTERIOR SURFACES ALL ALL ALUM. RETURNS & BACKS SHALL BE PAINTED SPRAYLAT STARBRITE WHITE UNLESS OTHERWISE NOTED.

See Following Page For Various Installation Methods

SEE FOLLOWING PAGE FOR VARIOUS INSTALLATION METHODS



SECTION THROUGH OCTAGON
SCALE: 3" = 1'-0"

DETAIL @ OCTAGON BRIDGE



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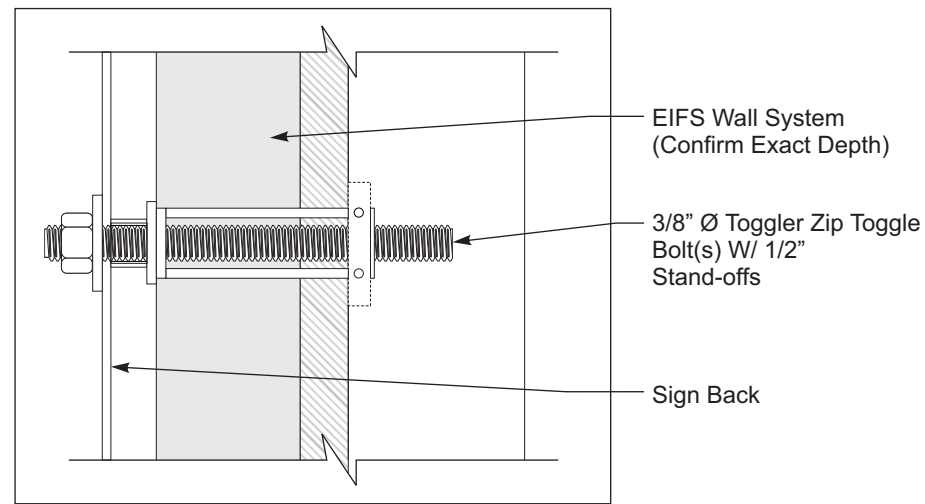
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Exposure	C
Risk Cat.	II
Grnd. Snow	Pg = 40 psf

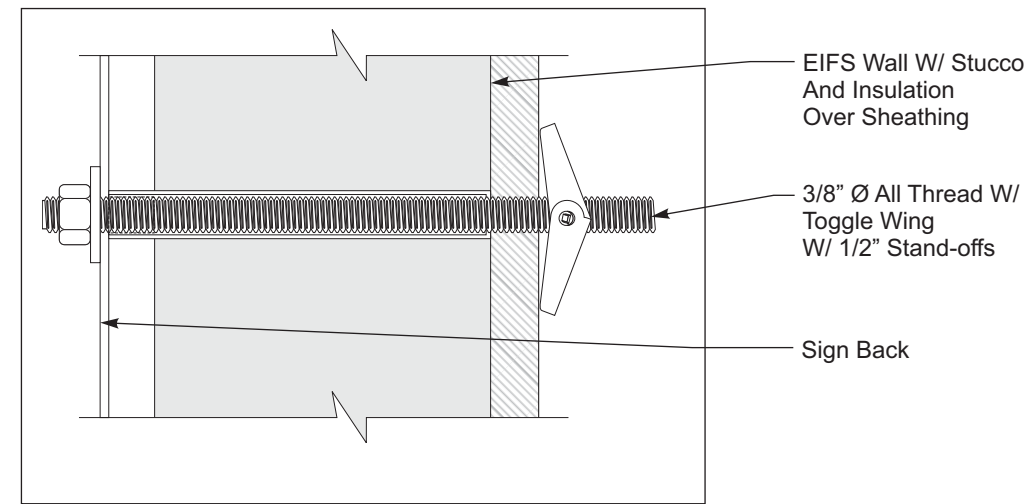
INSTALLATION DIAGRAMS SHOWN ARE CHANNEL LETTER SPECIFIC ONLY

TECHNICAL SURVEY REQ'D PRIOR TO INSTALLATION

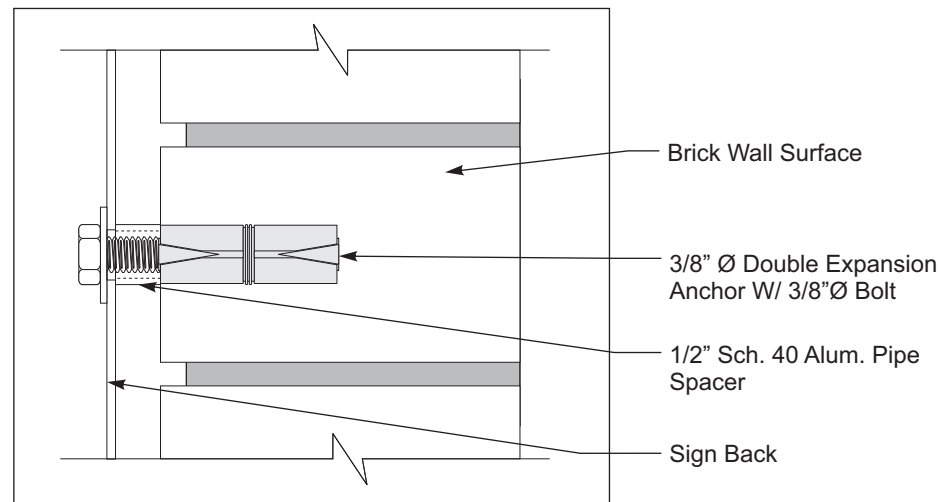
HARDWARE INSTALLATION TO FOLLOW MANUFACTURERS SPECIFIC GUIDELINES



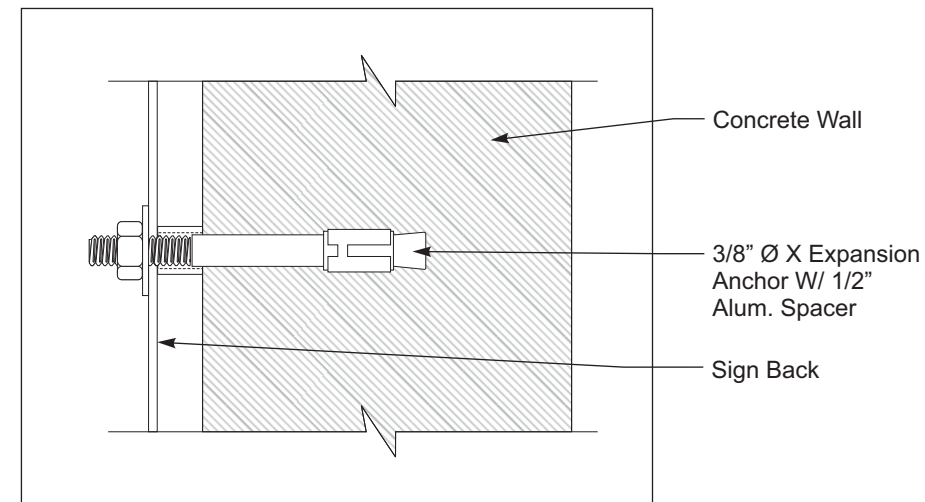
FASTENER DETAIL - STUDDED WALL SYSTEM
SCALE: NTS



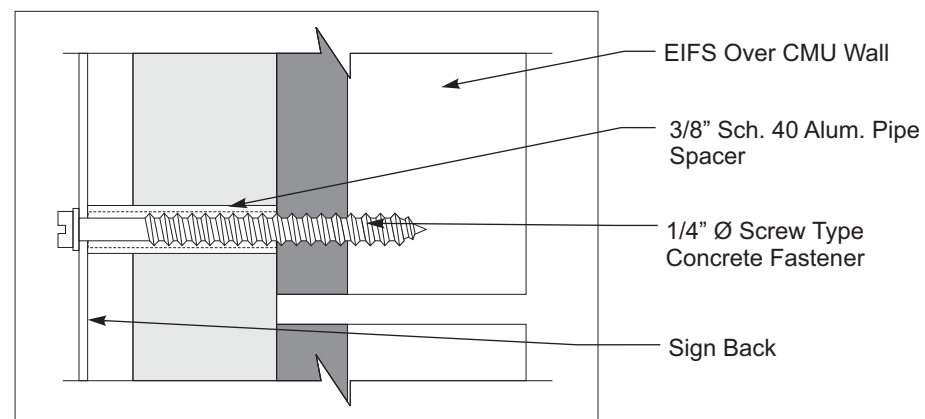
FASTENER DETAIL - STUDDED WALL SYSTEM
SCALE: NTS



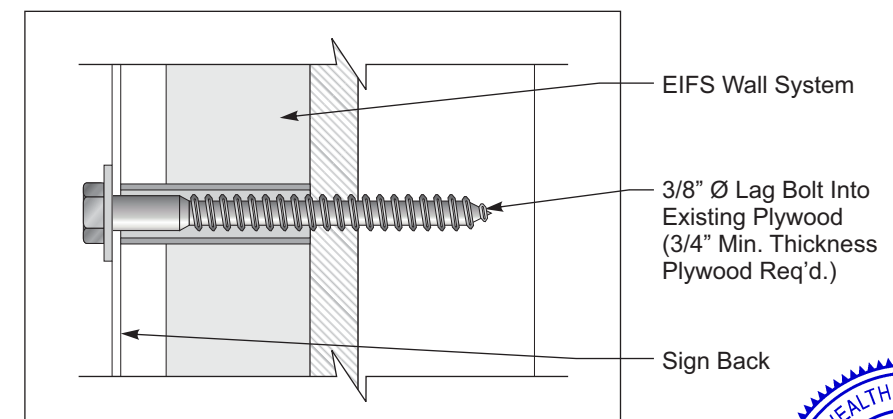
FASTENER DETAIL - CONCRETE/BRICK/CMU
SCALE: NTS



FASTENER DETAIL - CONCRETE
SCALE: NTS



FASTENER DETAIL - CONCRETE/BRICK/CMU
SCALE: NTS



FASTENER DETAIL - WOOD FASCIA/WOOD BLOCKING
SCALE: NTS


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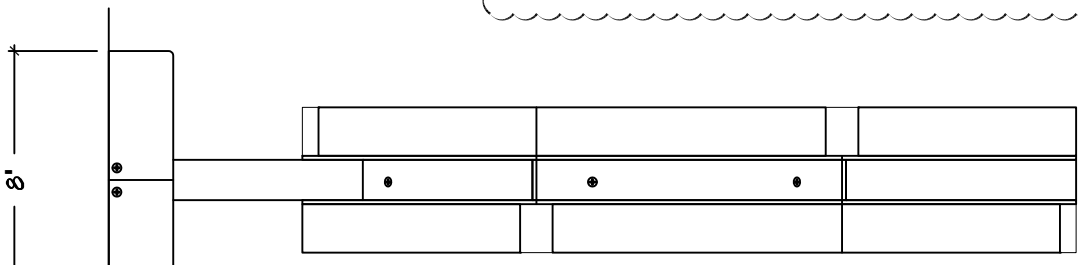
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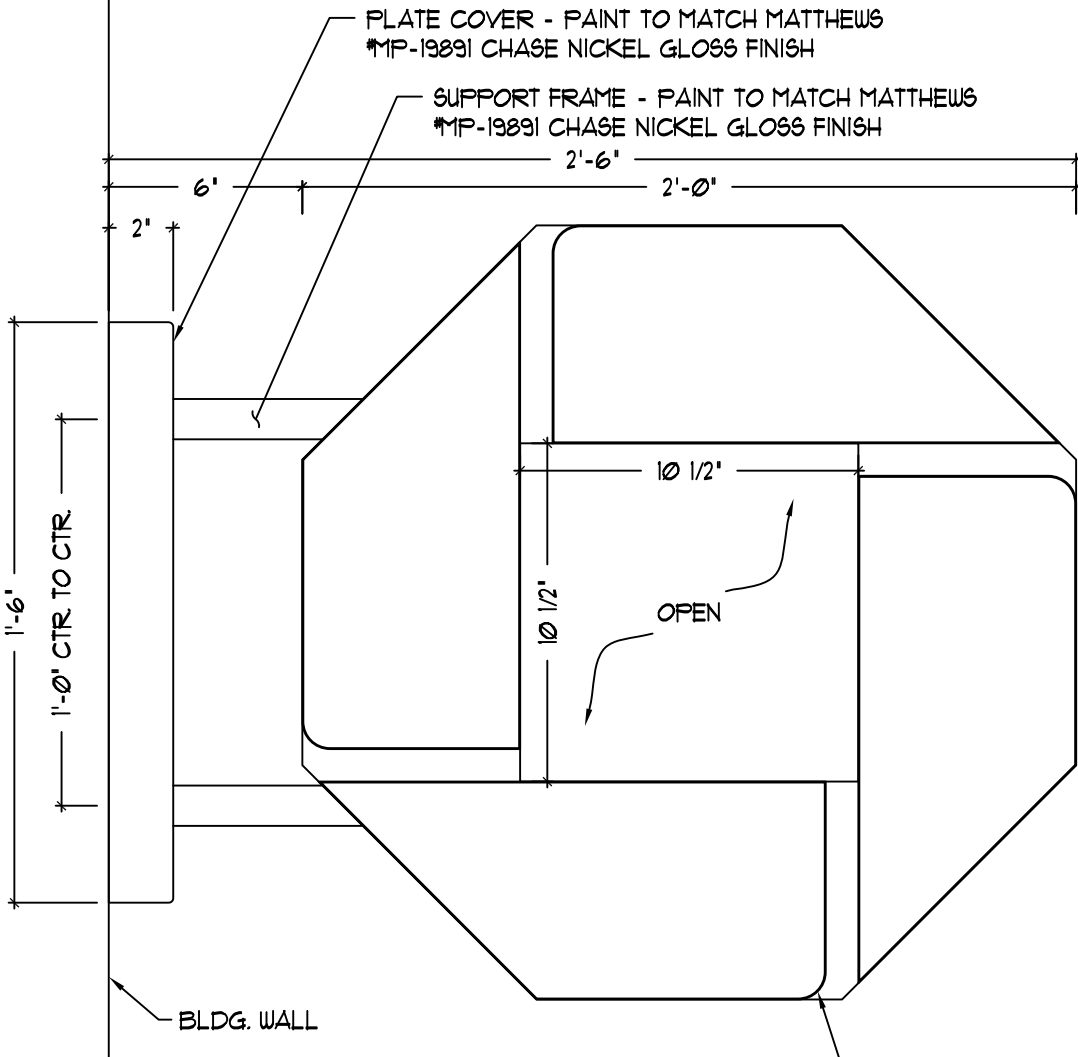


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WHEN ORDERING OCTAGON SEGMENTS FOR THIS SIGN FROM BITRO, SIGN VENDOR SHALL SPECIFY THAT THE SEGMENTS ARE FOR A "BACK-TO-BACK" END USE APPLICATION SO THAT THE CORRECT SEGMENTS ARE PRODUCED



TOP VIEW



ELEVATION (FRONT & REAR)

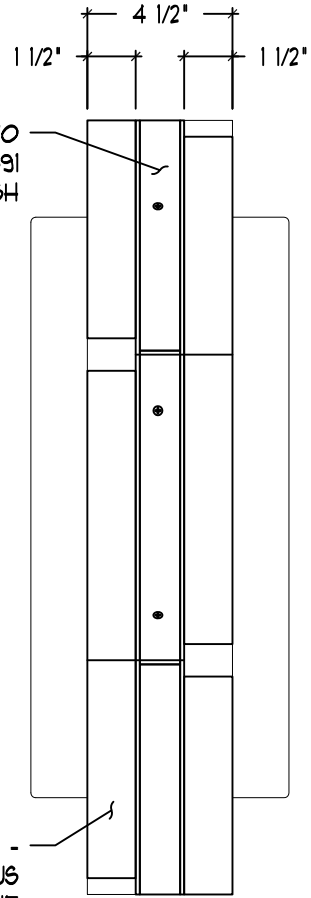
INDIVIDUAL, BLUE FACE-LIT THIN PROFILE OCTAGON SEGMENT (BY BITRO) - ATTACH TO EACH SIDE OF SUPPORT FRAME TYP.

ALL EXPOSED FASTENER HEADS SHALL BE PAINTED TO MATCH THE EXTERIOR CABINET FINISH

ILLUMINATED OCTAGON SEGMENTS SHALL BE WIRED TO A REMOTELY MOUNTED POWER SUPPLY

ELECTRICAL REQUIREMENTS:
 LED: (AS REQ'D) BLUE BITRO TRACER X
 POWER SUPPLY: (2) BITRO 12V/60W *ASU-60-12U @ Ø58A
 TOTAL LOAD: 1.16A @ 120VAC
 CIRCUITS: (1) 2Ø AMP REQUIRED

SUPPORT FRAME - PAINT TO MATCH MATTHEWS *MP-19891 CHASE NICKEL GLOSS FINISH



END VIEW

OCTAGON SEGMENT RETURN - PAINTED TO MATCH MATTHEWS *MP-00366 CHASE BLUE SEMI-GLOSS TYP.

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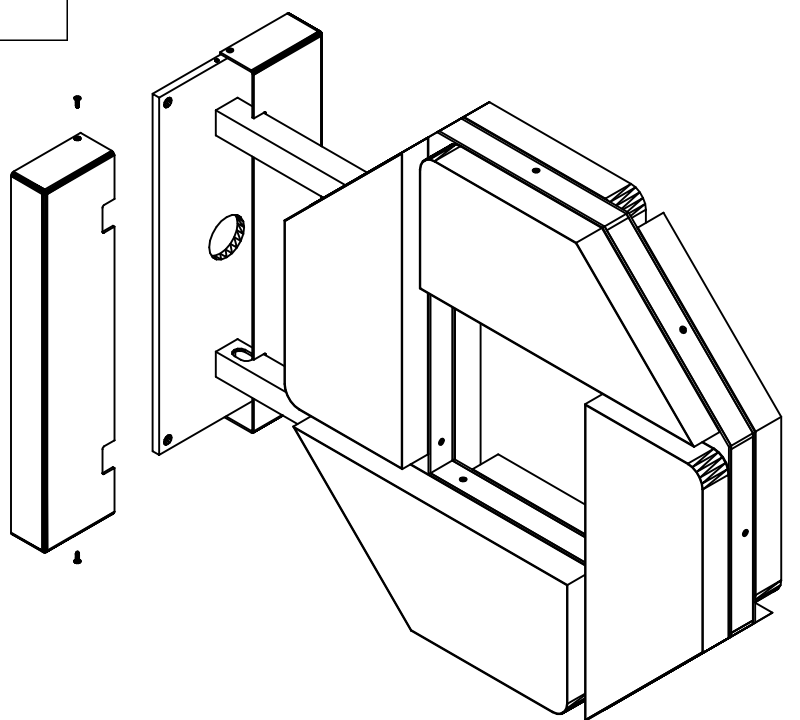


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 Professional Engineer
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General Notes:

- Additional wind catching surfaces are added to the building structure. The customer's building engineer is to determine the adequacy of the supporting structure.
- Extruded aluminum shapes shall be 6061-T6 alloy. Aluminum sheet shall be 3003-H14 alloy. Aluminum plate shall be 5052-H34 alloy.
- All welds shall be made using 5356 filler for aluminum by persons qualified in accordance with AWS standards within the past two years.
- All fasteners shall be stainless steel or zinc coated to prevent corrosion.
- All wall penetrations shall be sealed to prevent water penetration.
- J.P. Morgan Chase will not be responsible for the safety on this job site before, during or after installation of this structure. It is the responsibility of the contractors and installers to ensure that the installation and erection of this structure is performed using methods that are in full compliance with OSHA regulations.
- Any deviation from this design or from any part of this drawing, including the General Notes, without prior written consent from J.P. Morgan Chase voids this drawing in its entirety.
- The structure designed on this drawing is prototypical and should not be used for site specific applications unless deemed suitable by a Competent Professional Engineer.



3D ISOMETRIC VIEW OF ASSEMBLED OCTAGON

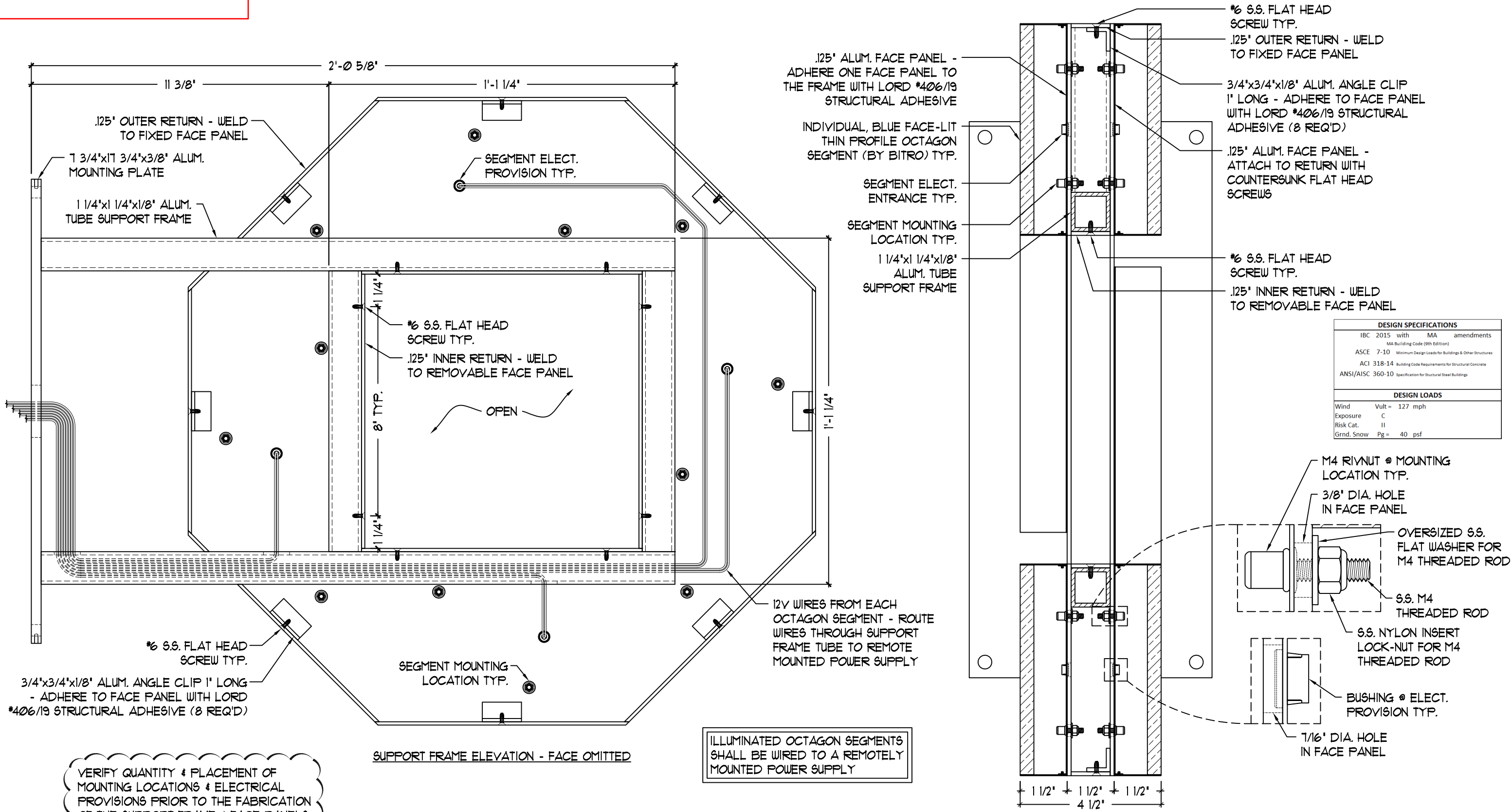


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SHT.	1	BY:	TRR	Project No.	08-1218	REV.	DATE	DESCRIPTION	BY:	APR
OF	4	DATE:	3/10/20	Drawing No.	B2441656					

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DESIGNATION:
 OCT-TP-B-24



DESIGN SPECIFICATIONS	
IBC 2015 with MA amendments	MA Building Code (9th Edition)
ASCE 7-10	Minimum Design Loads for Buildings & Other Structures
ACI 318-14	Building Code Requirements for Structural Concrete
ANSI/AISC 360-10	Specification for Structural Steel Buildings
DESIGN LOADS	
Wind Vult = 127 mph	Exposure C
Risk Cat. II	Grnd. Snow Pg = 40 psf

VERIFY QUANTITY & PLACEMENT OF MOUNTING LOCATIONS & ELECTRICAL PROVISIONS PRIOR TO THE FABRICATION OF THE SUPPORT FRAME & FACE PANELS

ILLUMINATED OCTAGON SEGMENTS SHALL BE WIRED TO A REMOTELY MOUNTED POWER SUPPLY



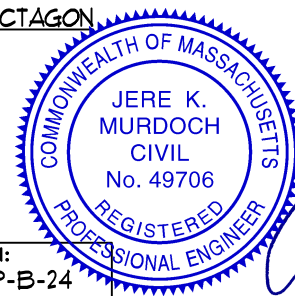
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SHT.	2	BY:	TRR	Project No.	08-1218
OF	4	DATE:	3/10/20	Drawing No.	B2441656

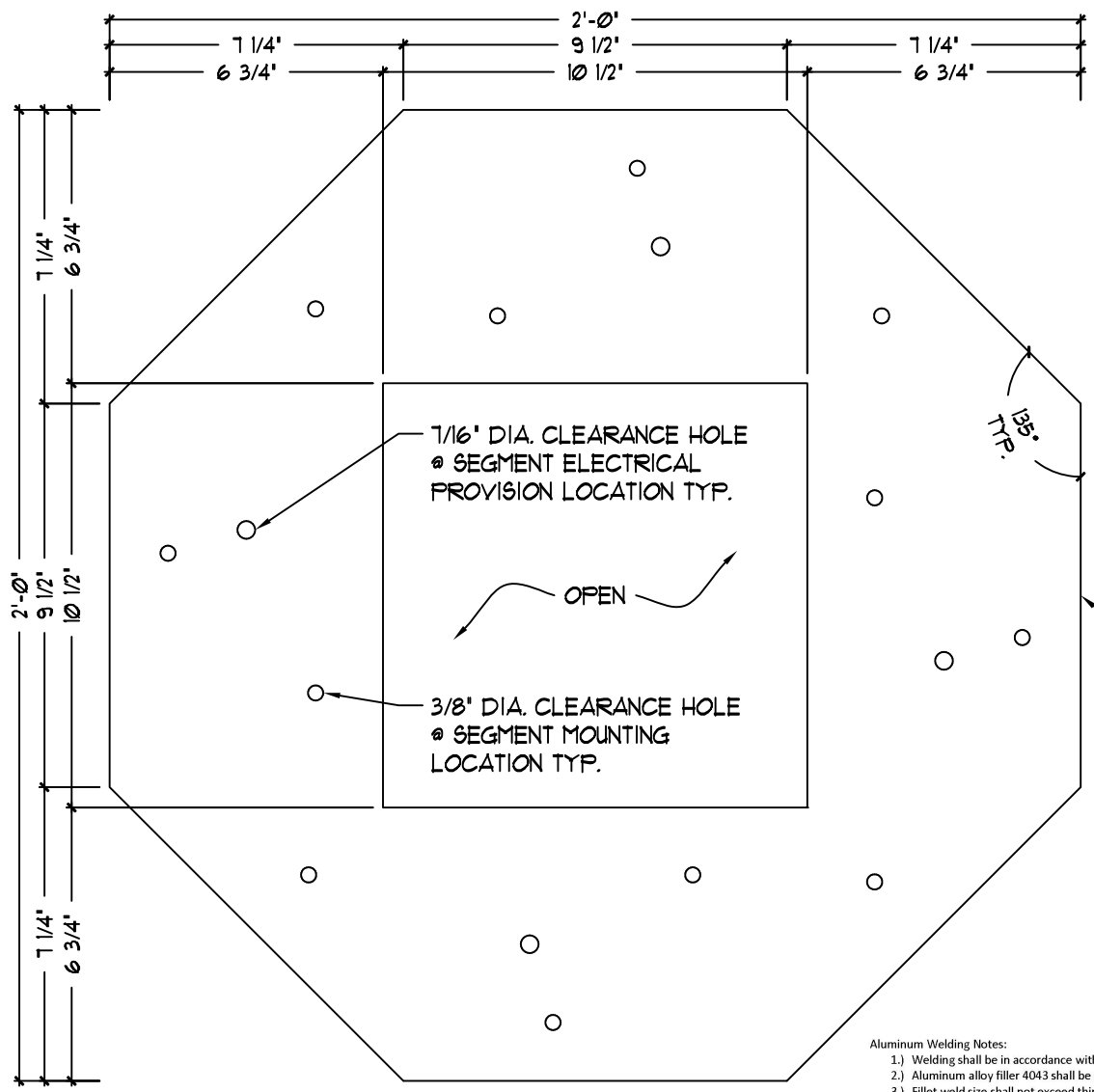
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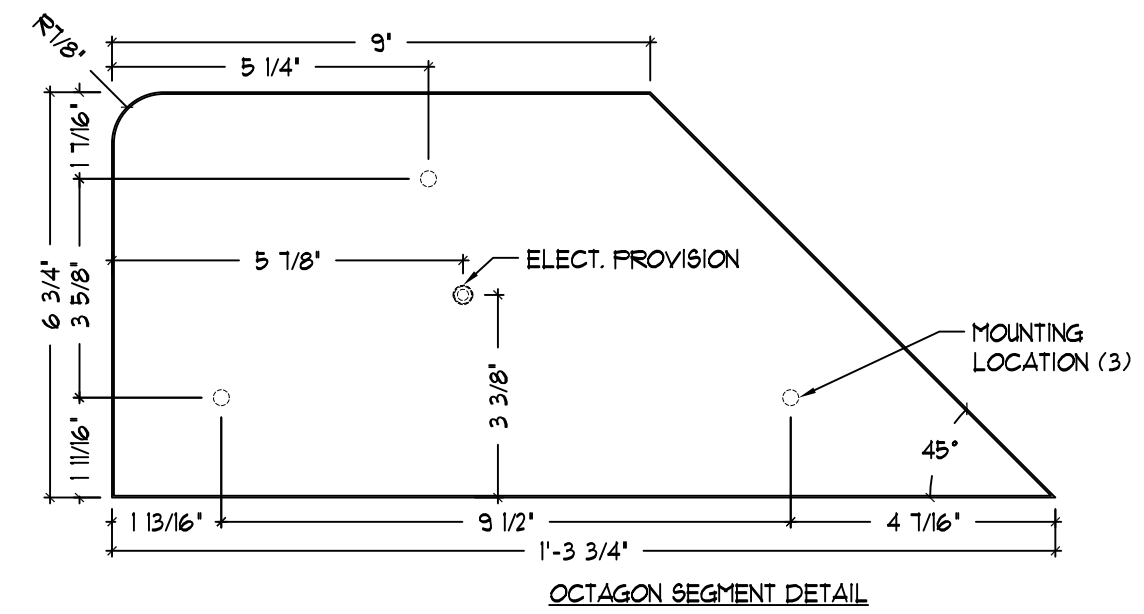
DESIGNATION: OCT-TP-B-24



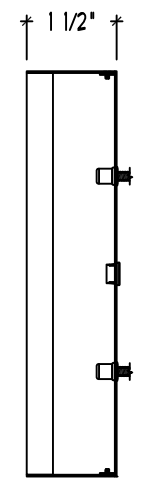
MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS
2399 A-2 NJ-34
MAHASQUAN, NJ 08736
(973) 570-8215
Jere Murdoch 8/1/2022
Jere Murdoch, PE
Professional Engineer
MA PE Lic. #49706



FACE PANEL DETAIL



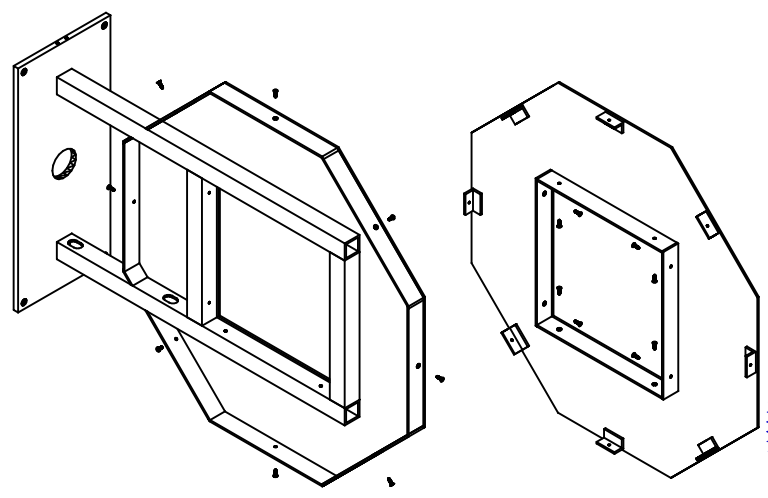
OCTAGON SEGMENT DETAIL



VERIFY QUANTITY & PLACEMENT OF MOUNTING LOCATIONS & ELECTRICAL PROVISIONS PRIOR TO THE FABRICATION OF THE SUPPORT FRAME & FACE PANELS

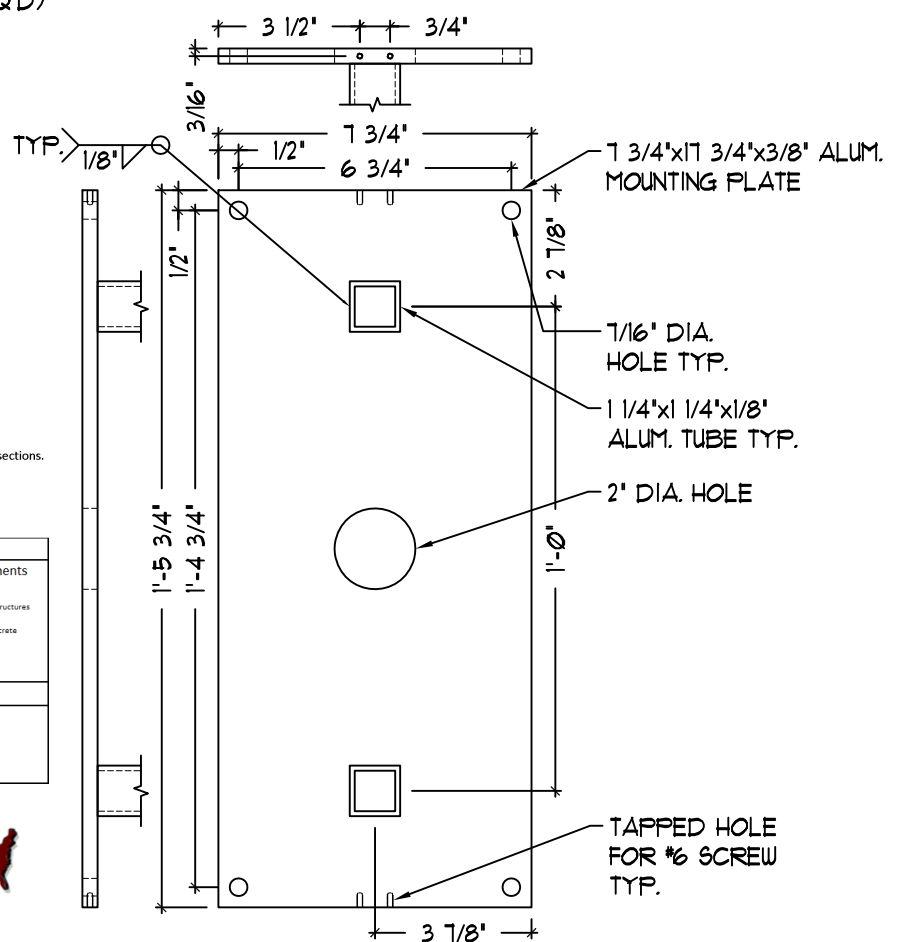
- Aluminum Welding Notes:
- 1.) Welding shall be in accordance with AWS D1.2
 - 2.) Aluminum alloy filler 4043 shall be used in all structural welds
 - 3.) Fillet weld size shall not exceed thinnest member wall thickness of joined sections.
 - 4.) Welding process GMAW or GTAW shall be in accordance with AWS D1.2
 - 5.) Aluminum Tubing shall be 6061-T6 minimum.
 - 6.) Provide Neoprene gaskets between dissimilar metals

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DESIGN LOADS	
Wind	Vult = 127 mph
Exposure	C
Risk Cat.	II
Grnd. Snow	Pg = 40 psf



3D ISOMETRIC VIEWS OF FACE PANELS

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 CIVIL ENGINEERING PROFESSIONALS
 JERE K. MURDOCH, PE
 REGISTERED PROFESSIONAL ENGINEER
 MA PE Lic. #49706
 8/1/2022



MOUNTING PLATE DETAIL

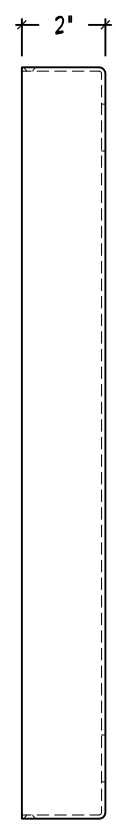
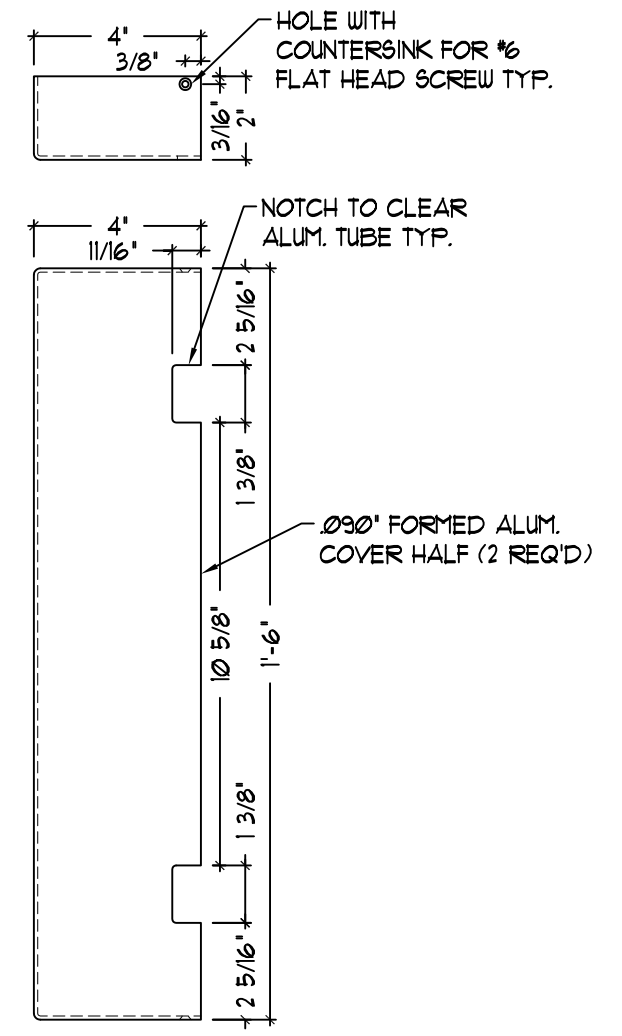


PLATE COVER DETAIL - HALF - 2 REQ'D



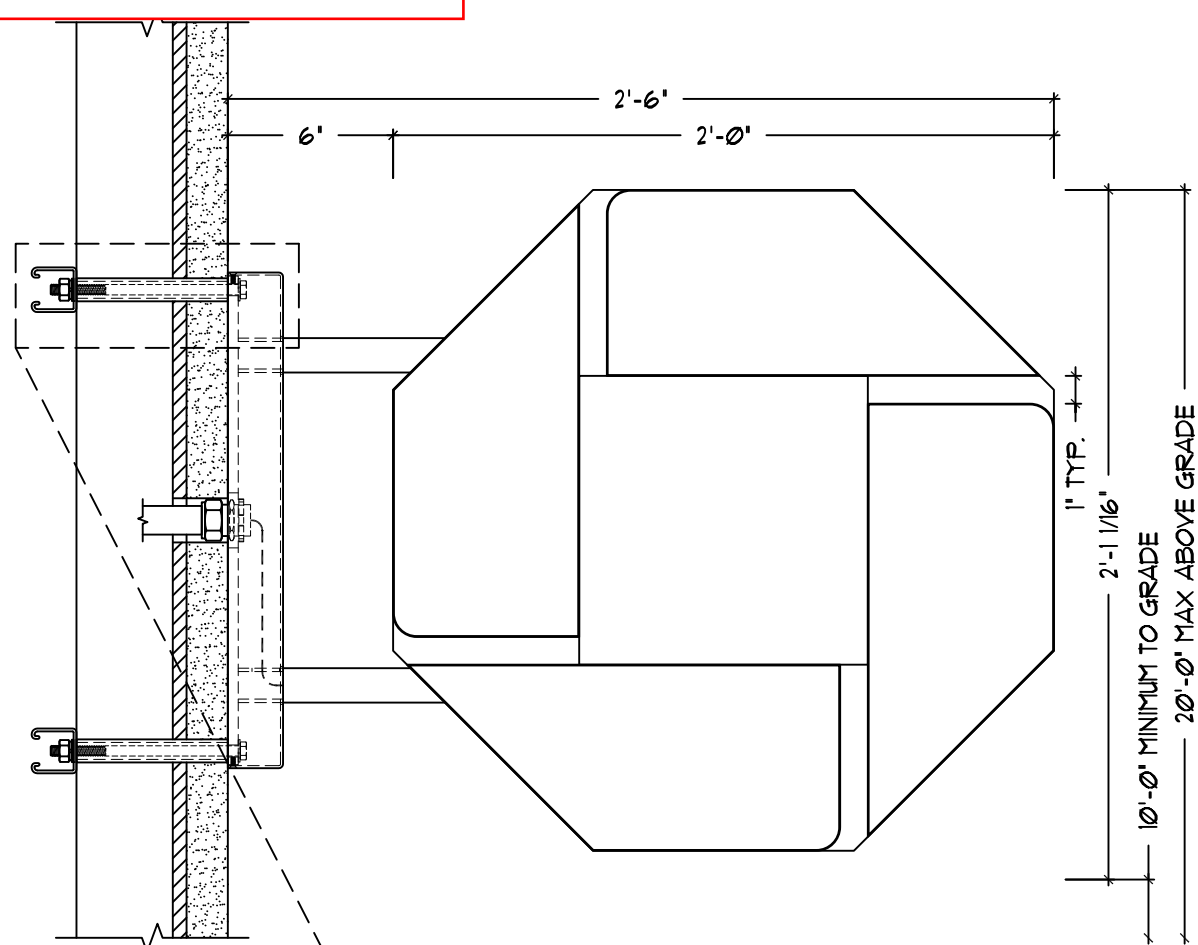
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SHT.	3	BY:	TRR	Project No.	08-1218
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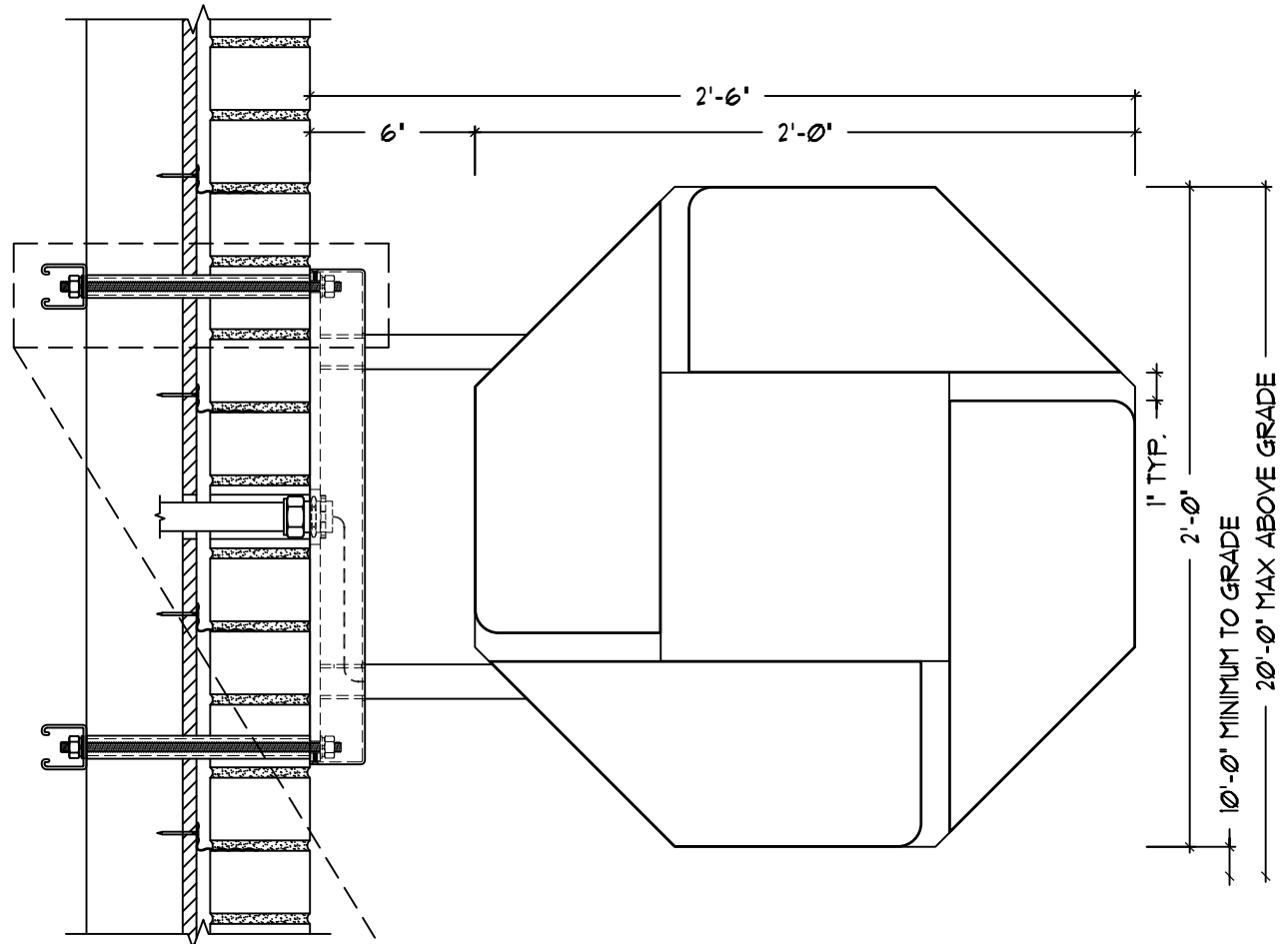
REV.	DATE	DESCRIPTION	BY:	APR:
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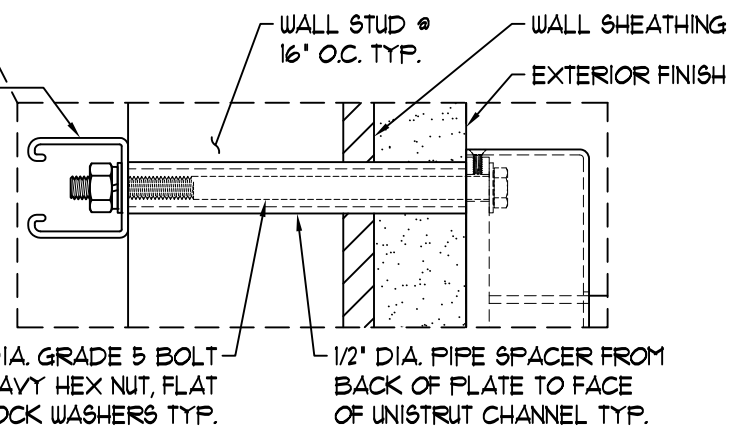
FRAMED WALL INSTALLATION DETAIL



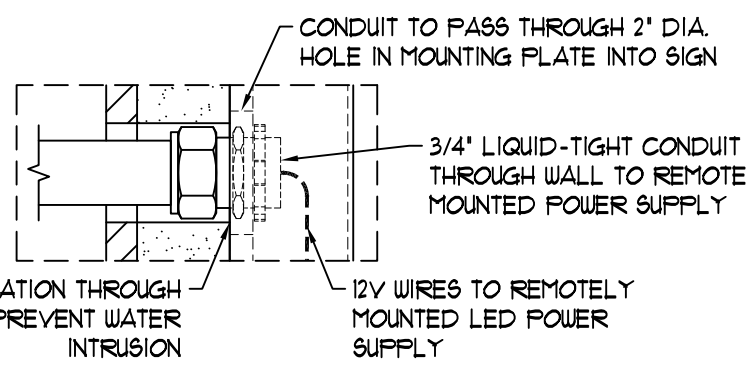
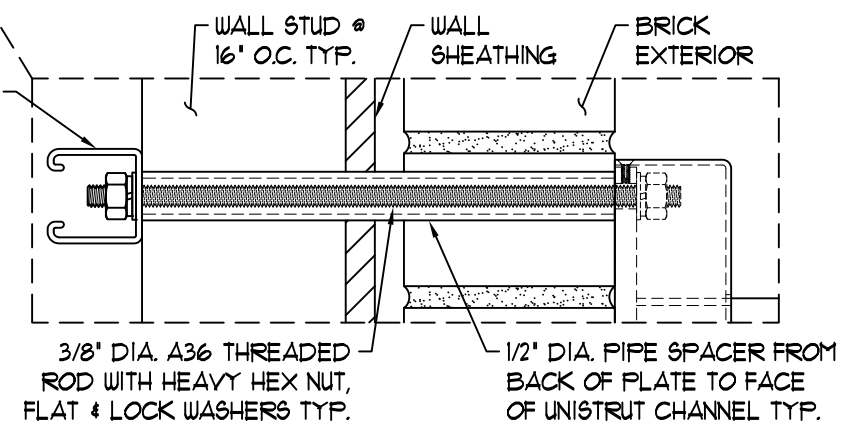
BRICK WALL INSTALLATION DETAIL

- LED POWER SUPPLY SHALL BE REMOTELY MOUNTED
- DISCONNECT SWITCH SHALL BE REMOTELY MOUNTED WITHIN SIGHT OF SIGN

PI000 UNISTRUT CHANNEL BEHIND STUDS - MUST SPAN A MINIMUM OF TWO (2) STUDS - ATTACH CHANNEL TO EACH STUD TYP.



PI000 UNISTRUT CHANNEL BEHIND STUDS - MUST SPAN A MINIMUM OF TWO (2) STUDS - ATTACH CHANNEL TO EACH STUD TYP.



TYPICAL ELECT. ENTRANCE DETAIL

ENGINEER'S NOTE:
PROVIDE GALVANIC PROTECTION BETWEEN DISSIMILAR METALS

DESIGN SPECIFICATIONS	
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