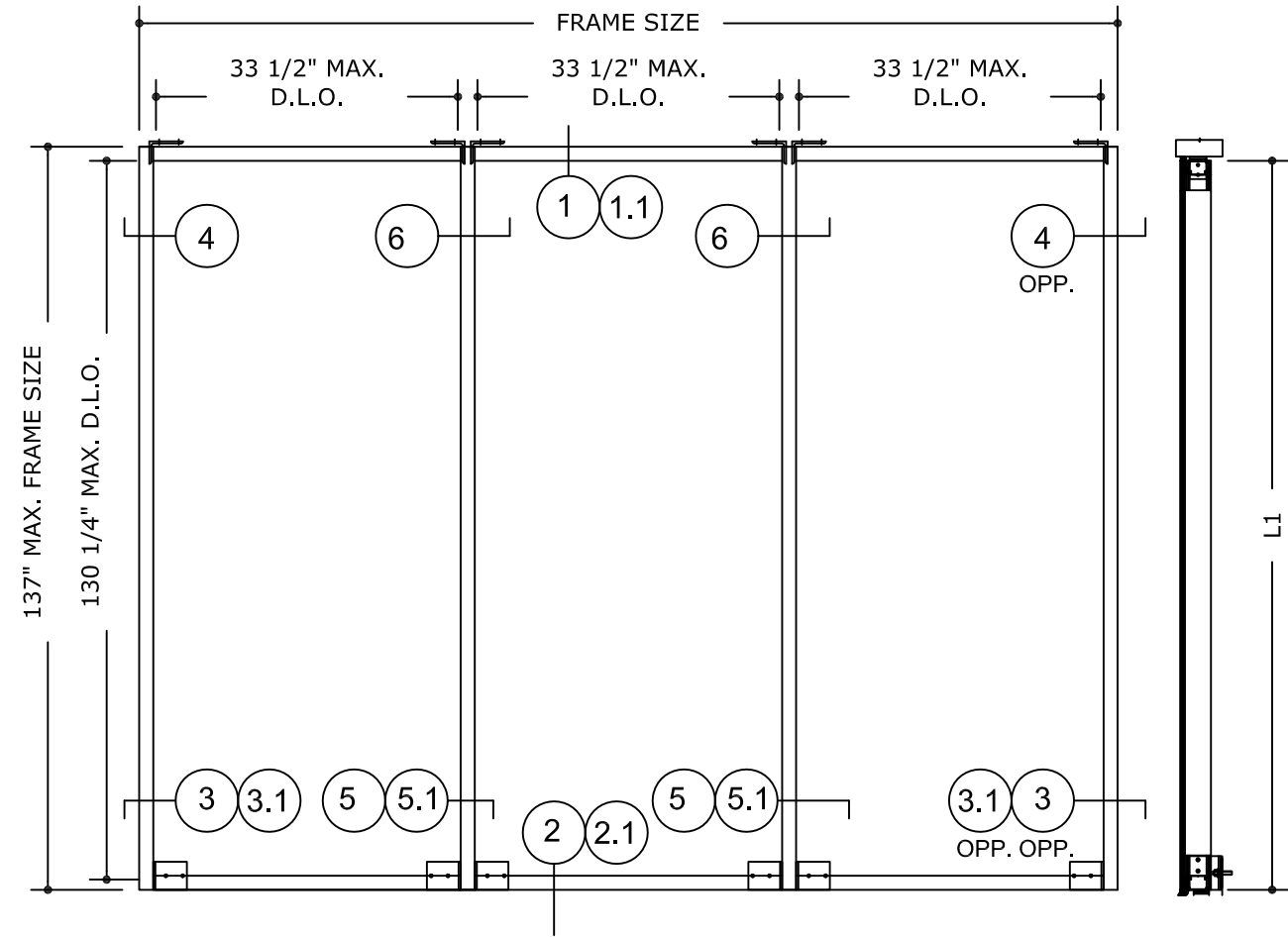


CURTAIN WALL (LMI/SMI)

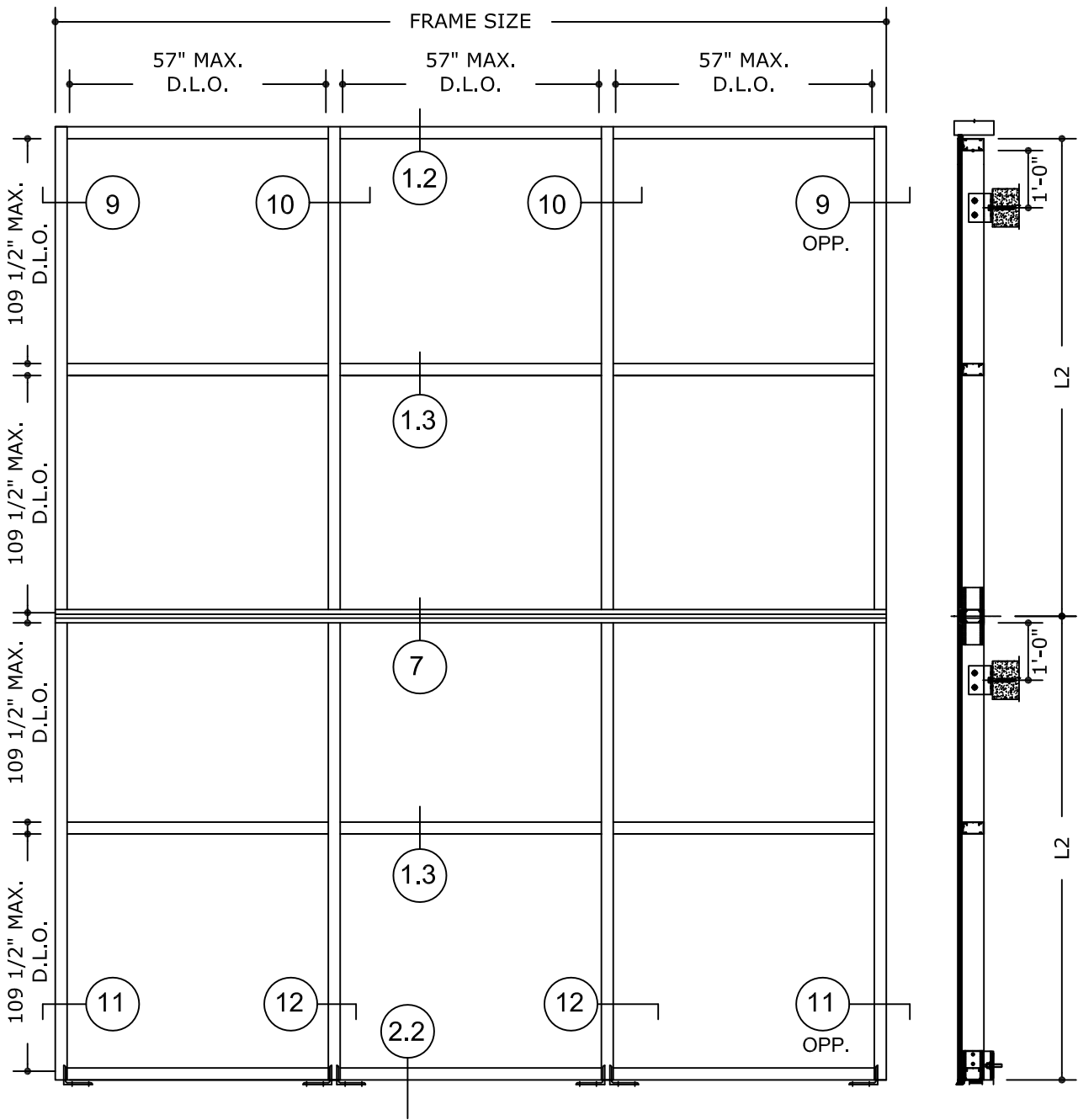
SPAN (L1) = 11'-5" MAX.

SPAN (L2) = 14'-4" MAX.



TYPICAL ELEVATION SINGLE SPAN
N.T.S.

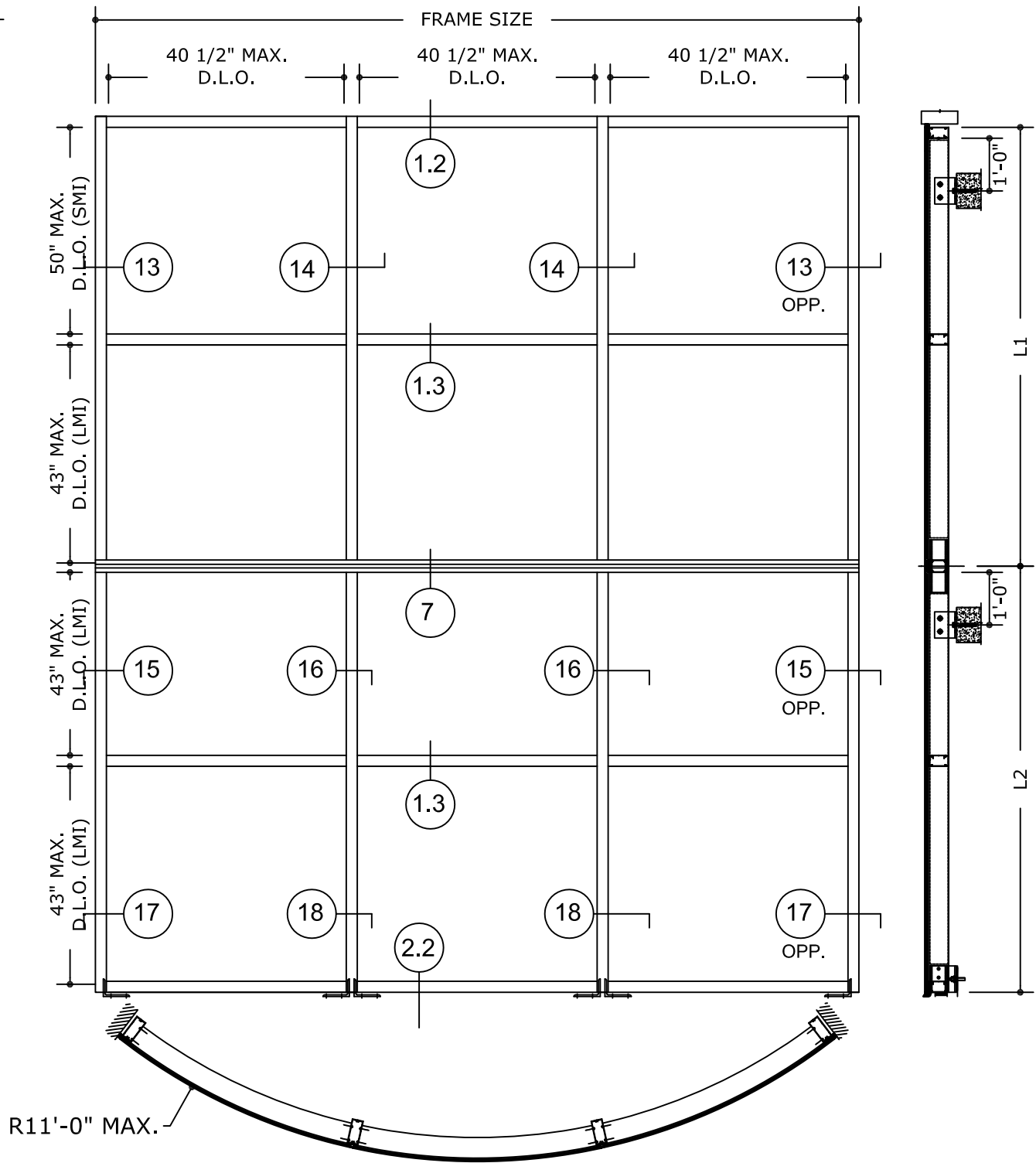
DESIGN PRESSURE = +75 / -75 P.S.F USING REINFORCEMENT M10
+126 / -126 P.S.F USING REINFORCEMENT M11
WATER PRESSURE RATING = 11.25 P.S.F.



CURTAIN WALL (LMI/SMI)

SPAN (L1) = 12'-0 13/16" MAX.

SPAN (L2) = 15'-1 1/16" MAX.



TYPICAL ELEVATION CURVED GLASS

N.T.S.

DESIGN PRESSURE = +59.2 / -78.9 P.S.F

WATER PRESSURE RATING = 10.5 P.S.F.

NOTE: ONLY QUALIFIED WITH THE USE OF GLASS TYPES "B" FOR
LARGE MISSILE CONDITIONS AND "C" FOR SMALL MISSILE CONDITIONS.

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2020 FBC UPDATE	JPC	AJP	09/07/20
CURVED GLASS ADDITION	JEM	AJP	02/08/21

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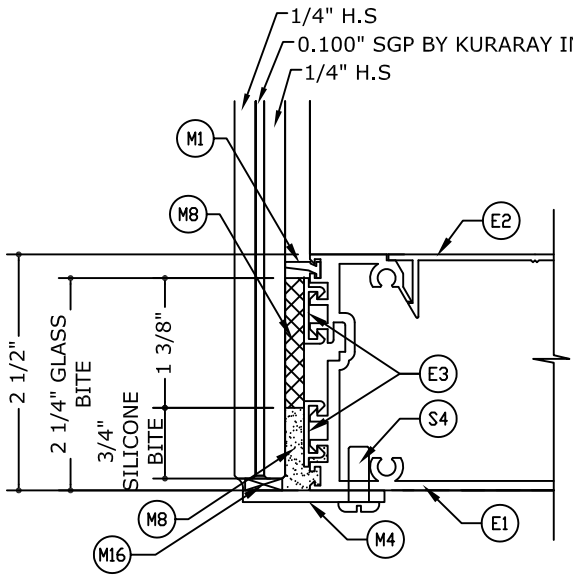
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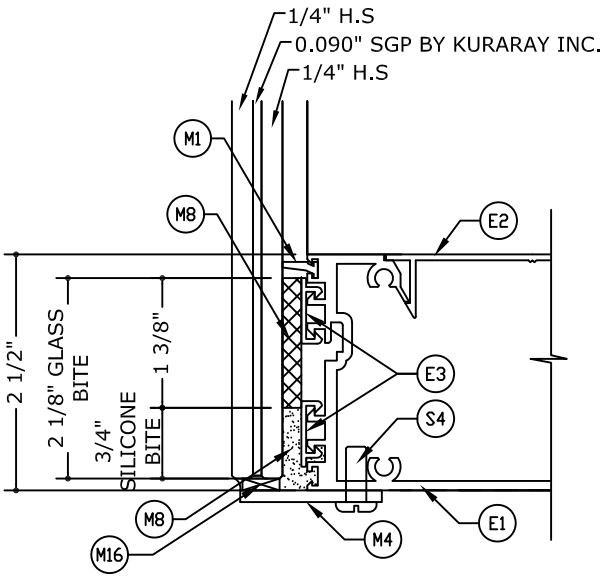
03

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16

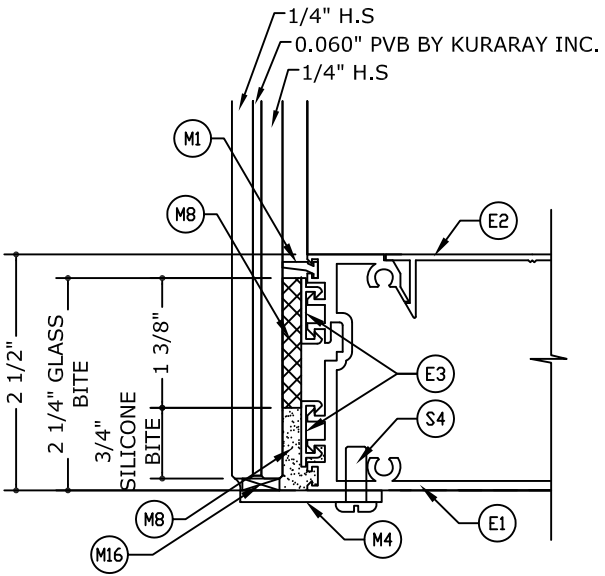
GLAZING DETAILS



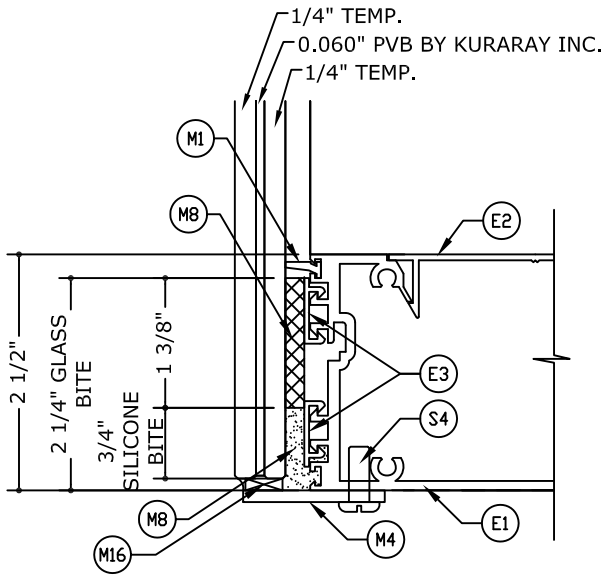
GLAZING DETAIL - GLASS TYPE 'A'
SINGLE SPAN (LARGE & SMALL MISSILE)



GLAZING DETAIL - GLASS TYPE 'B'
TWIN SPAN (LARGE MISSILE)



GLAZING DETAIL - GLASS TYPE 'C'
TWIN SPAN (SMALL MISSILE)



GLAZING DETAIL - GLASS TYPE 'D'
TWIN SPAN (SMALL MISSILE)

NOTE: GLASS TYPES "B" & "C" CAN
BE USED FOR CURVED GLASS
CONFIGURATIONS.

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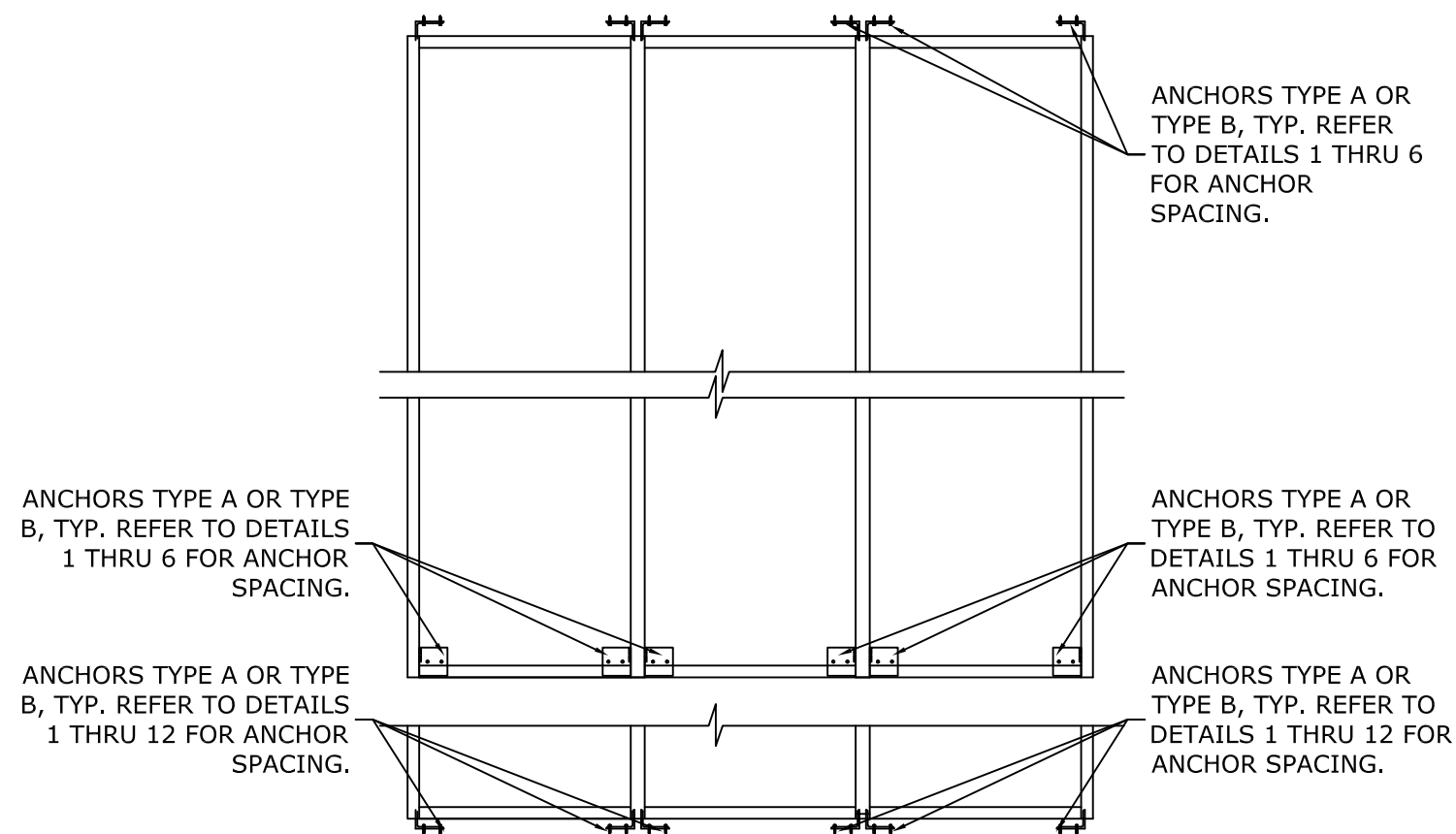
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16



TYPICAL ANCHOR LAYOUT

ANCHOR TYPE	DESCRIPTION
A	1/2" HDG HILTI KwikBOLT 3 WITH 2 5/16" MIN. EMBEDMENT INTO 3 KSI. CONCRETE MIN. AND 5" MIN. EDGE DISTANCE. (6" MIN. CONCRETE THICKNESS)
B	1/2"-13 x 3" LG. HSFH CAP SCREW (BOLT) GALVANIZED fy= 65 KSI fu= 100 KSI 1/2"-13 HEX NUT 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI 1/2" Ø MEDIUM SLIP LOCKWASHER 300 SERIES ST STL (CW) fy= 65 KSI fu= 100 KSI

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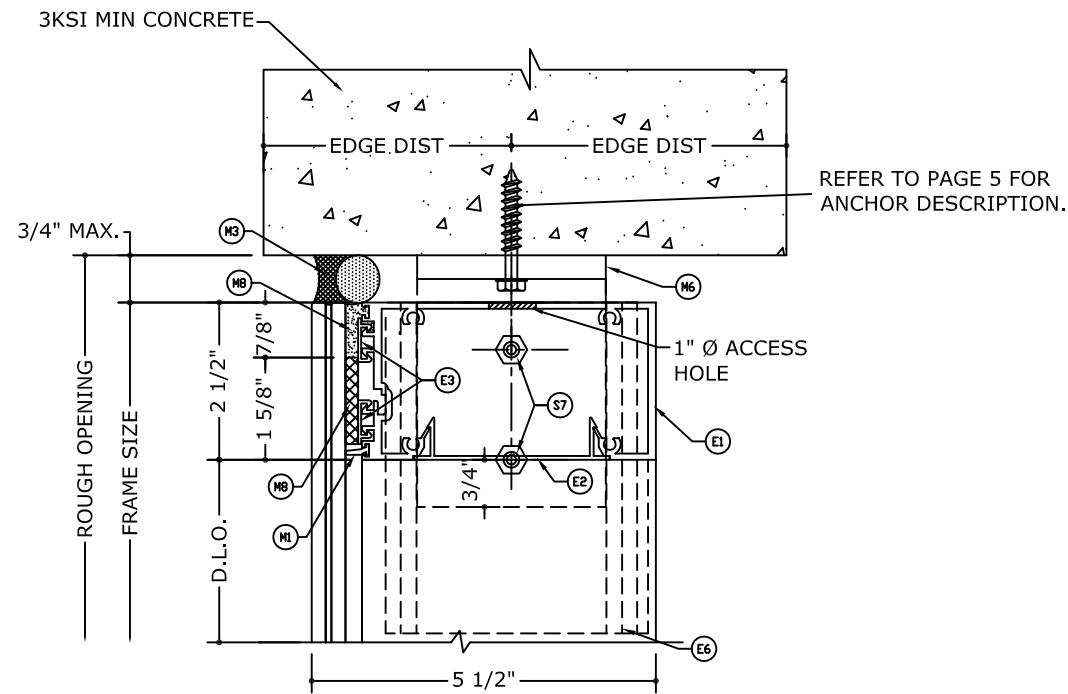
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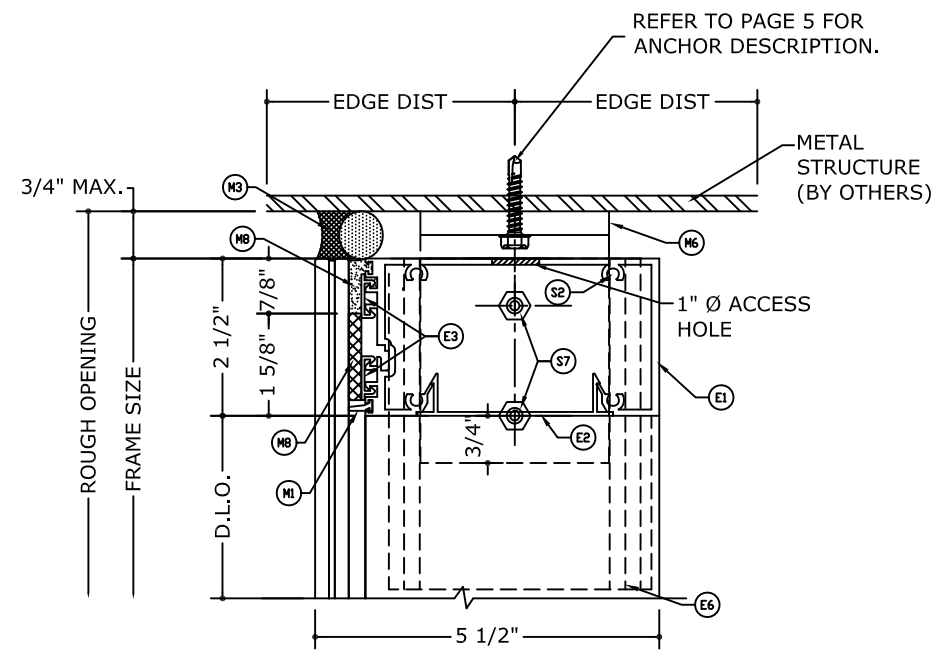
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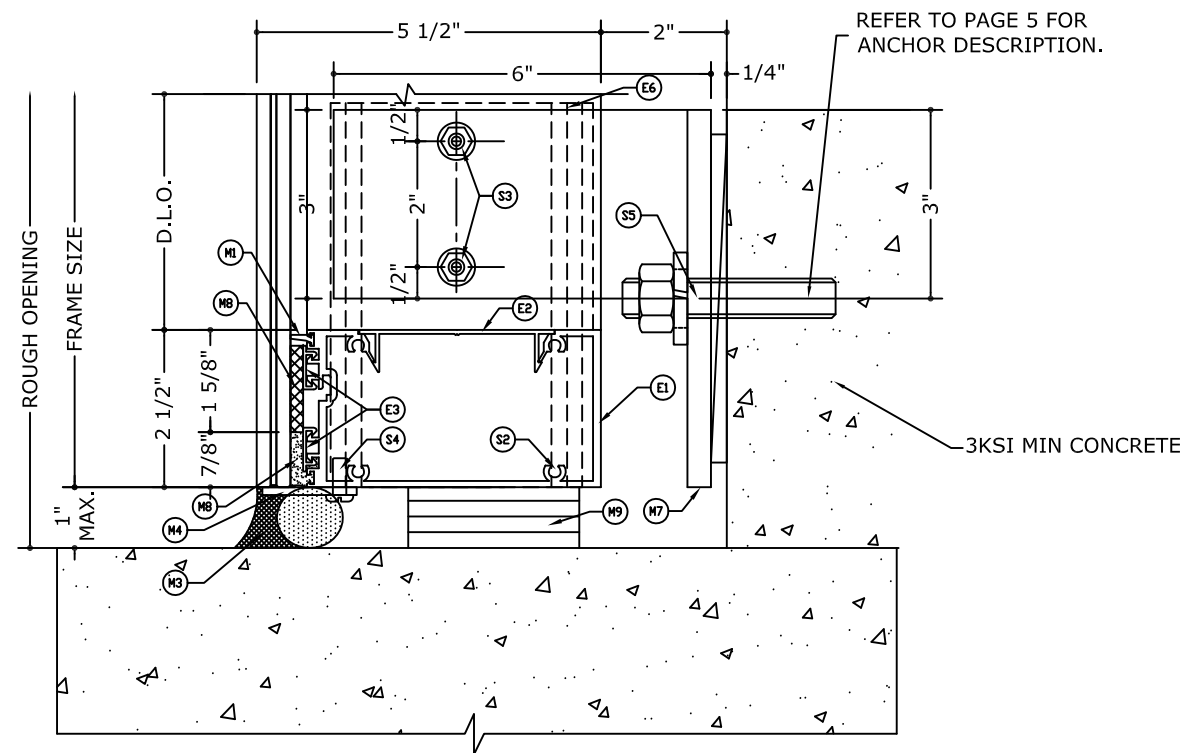
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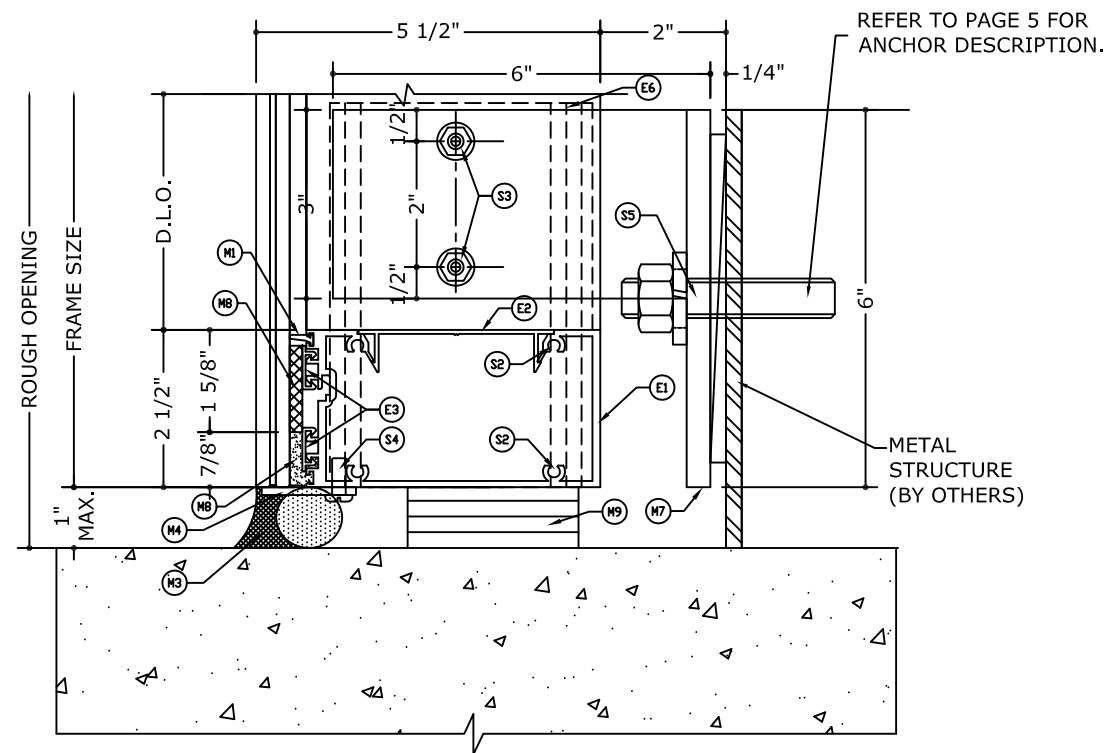
1 HEAD DETAIL (CONCRETE)
N.T.S



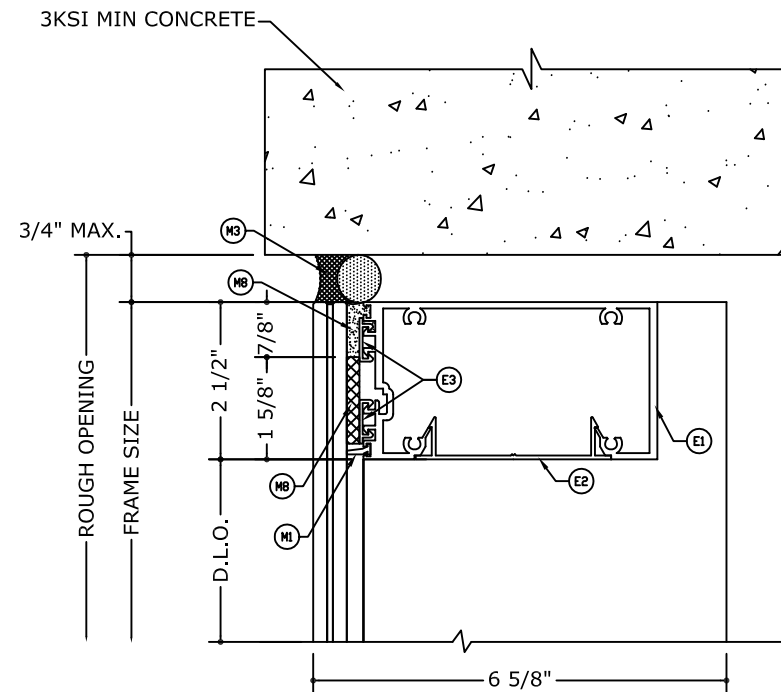
1.1 HEAD DETAIL (METAL)
N.T.S



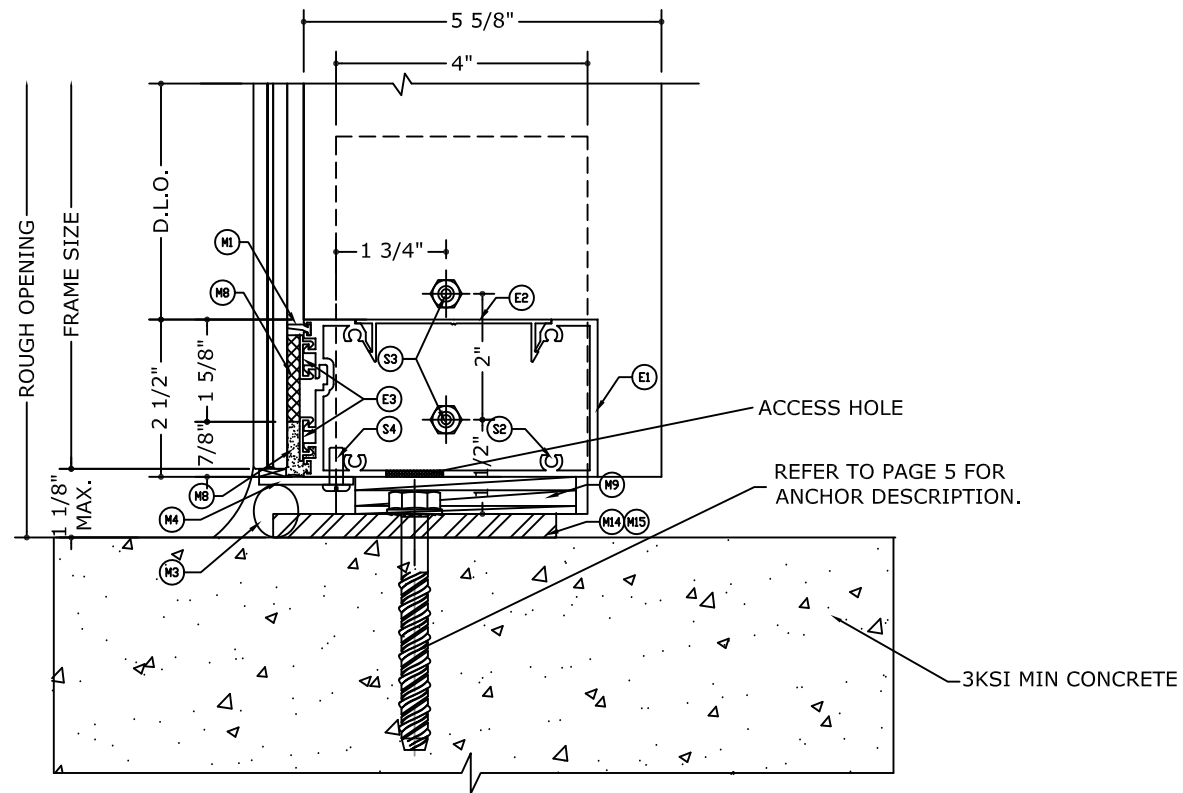
2 SILL DETAIL (CONCRETE)
N.T.S



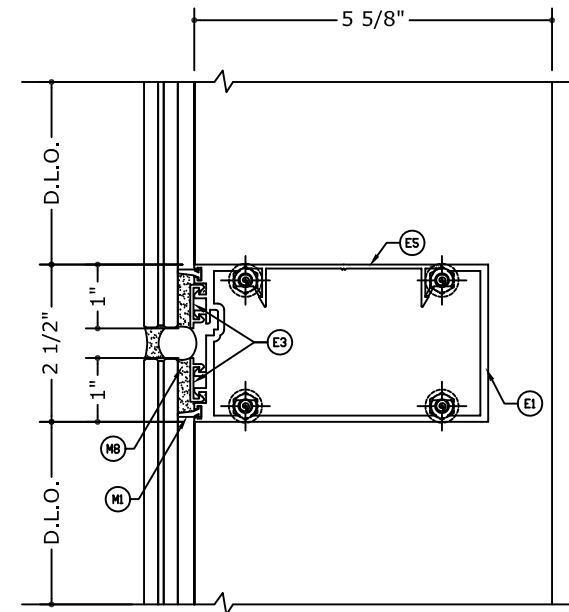
2.1 SILL DETAIL (METAL)
N.T.S



1.2 HEAD DETAIL
N.T.S



2.2 SILL DETAIL (CONCRETE)
N.T.S



1.3 HORIZ. INTERMEDIATE DETAIL
N.T.S



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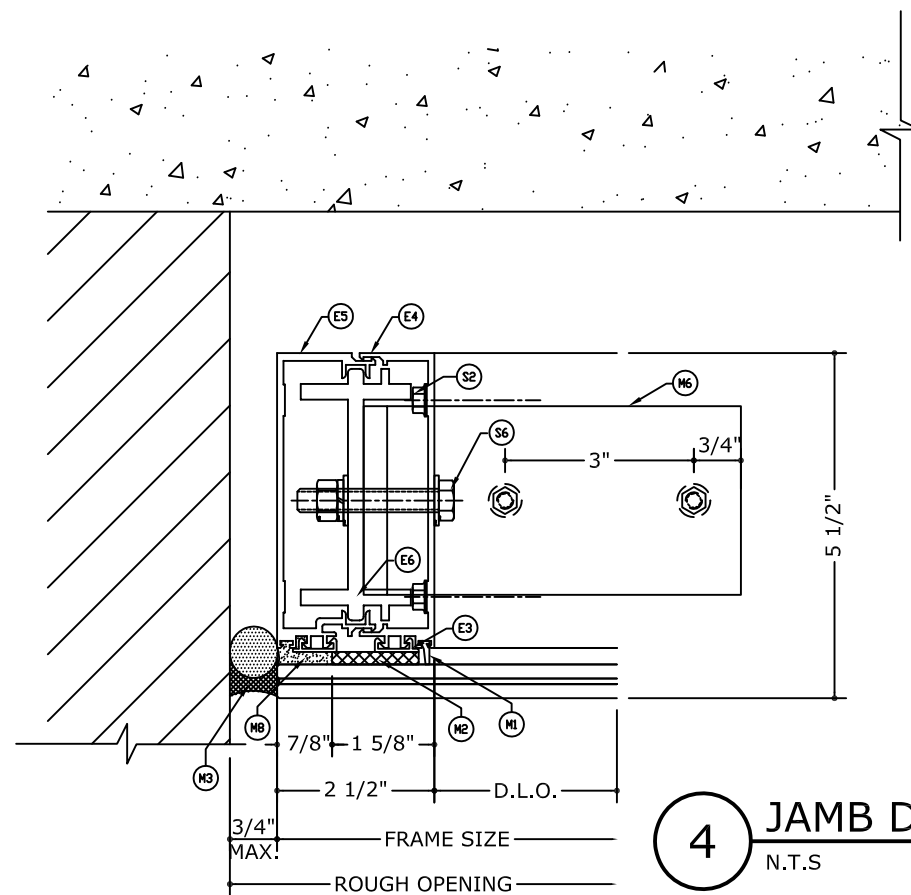
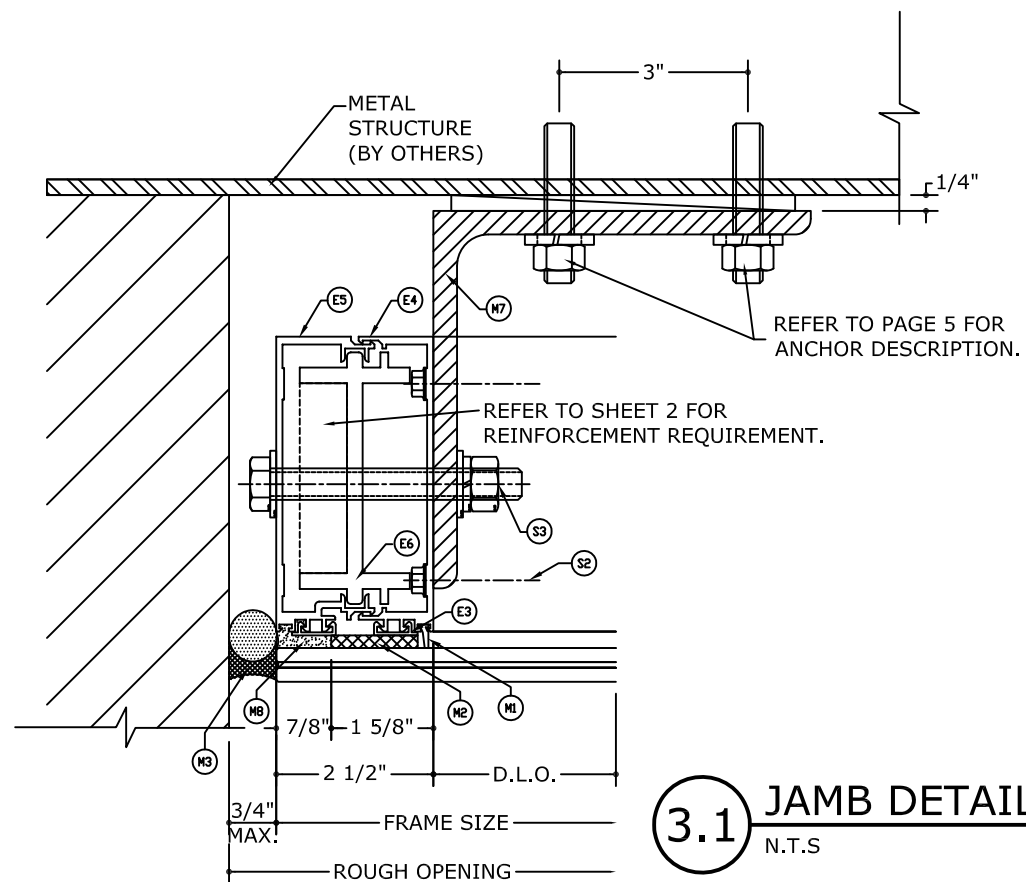
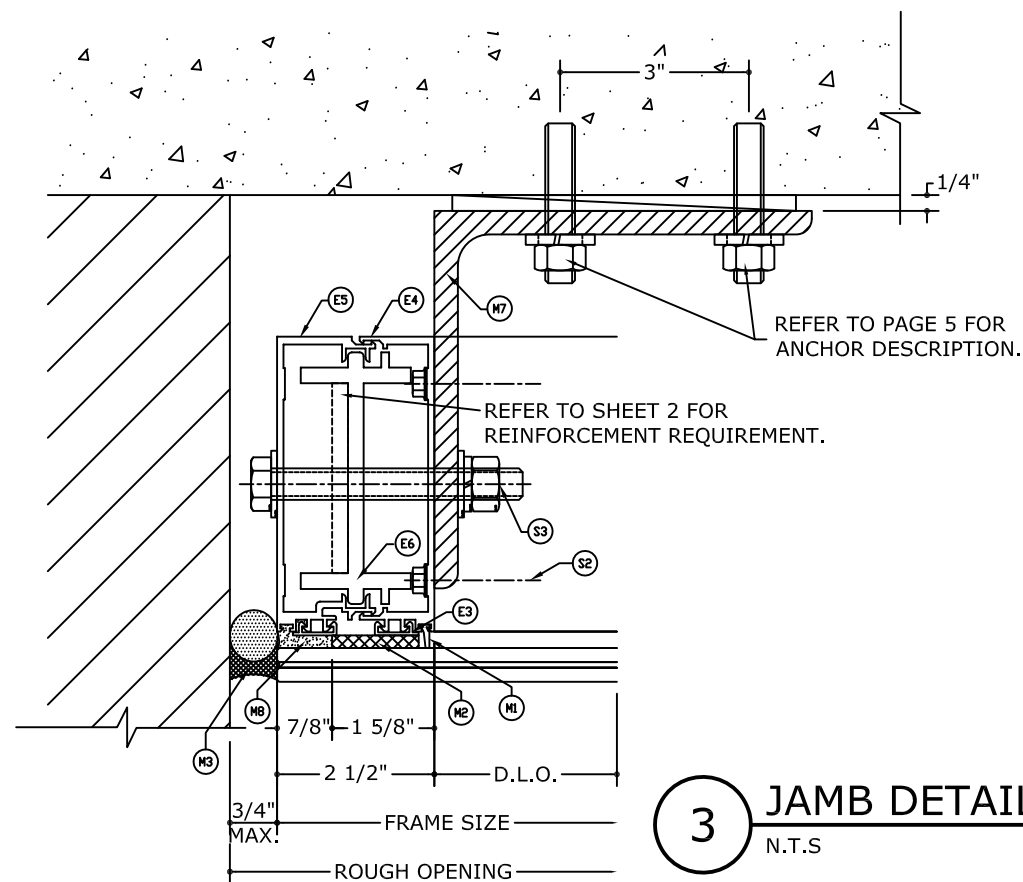
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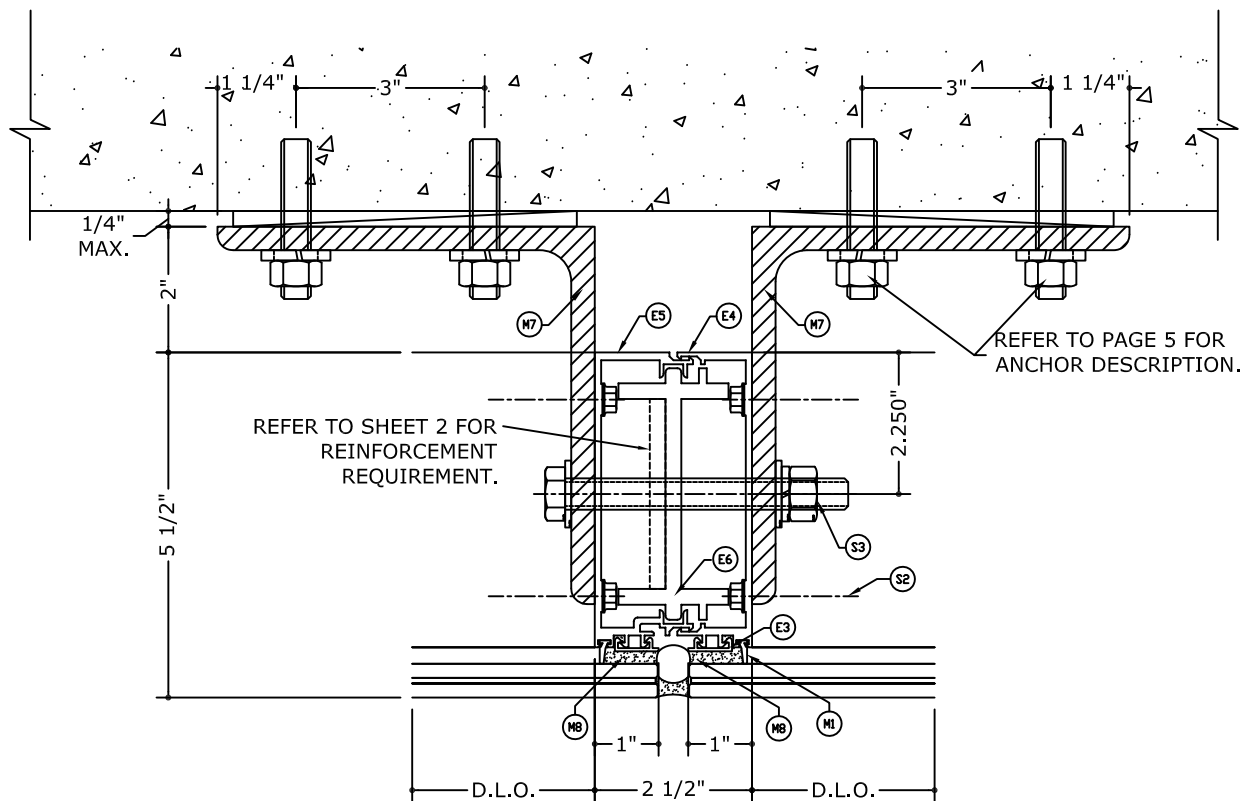
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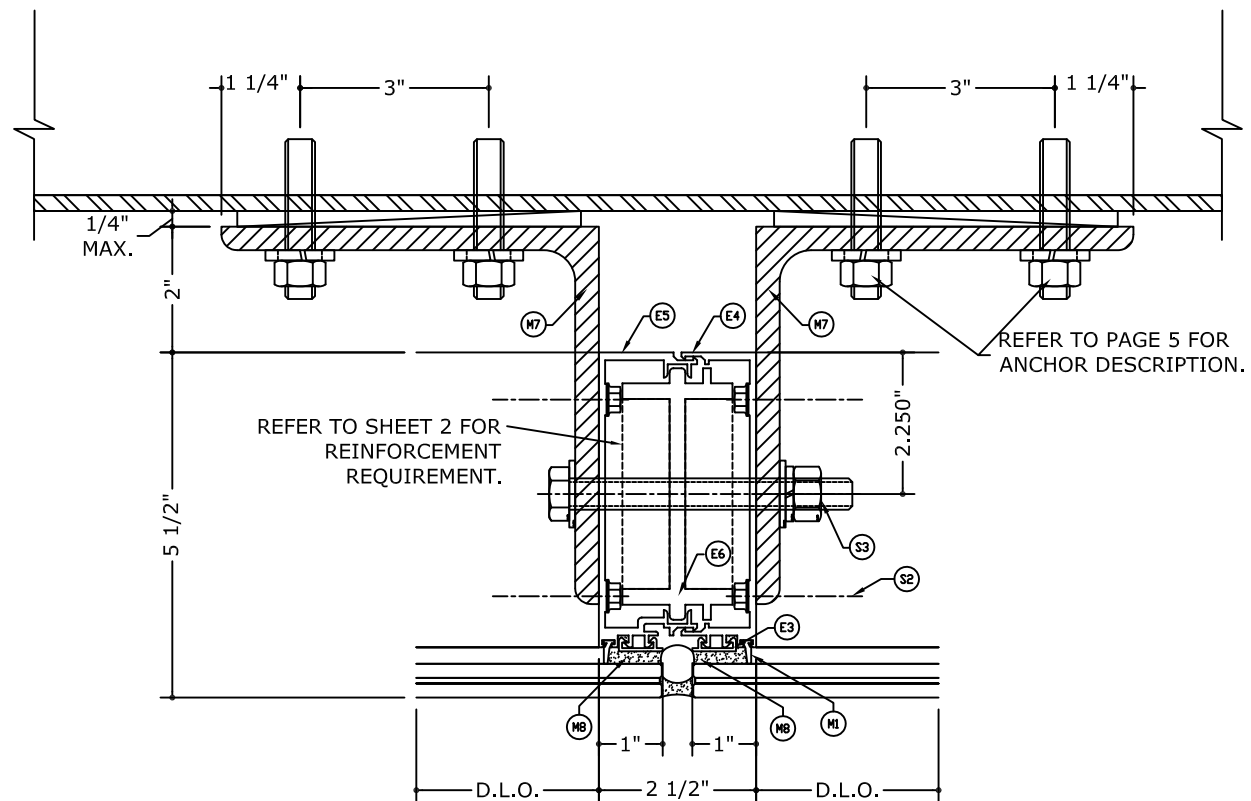
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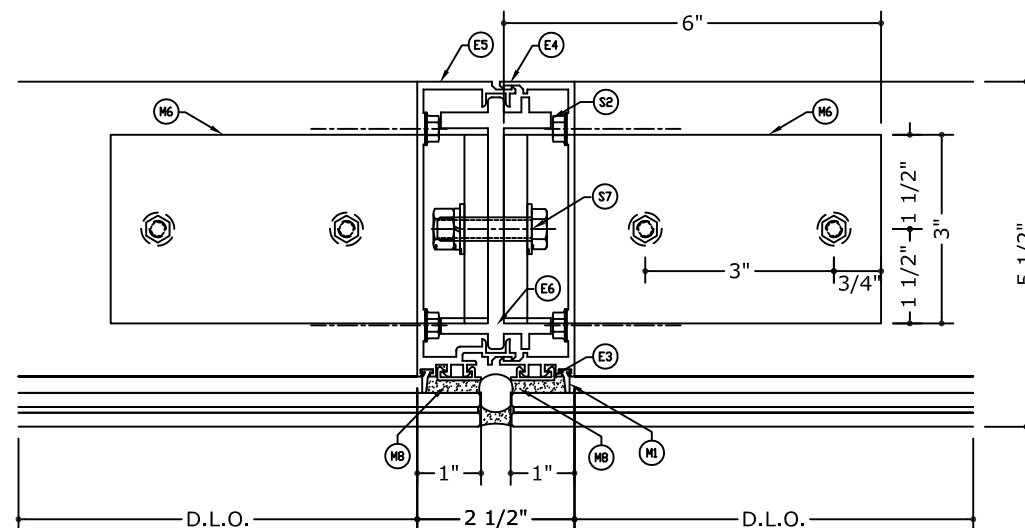
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5 CONDITION AT MULLION BOTTOM
N.T.S



5.1 CONDITION AT MULLION BOTTOM
N.T.S



6 CONDITION AT MULLION TOP
N.T.S

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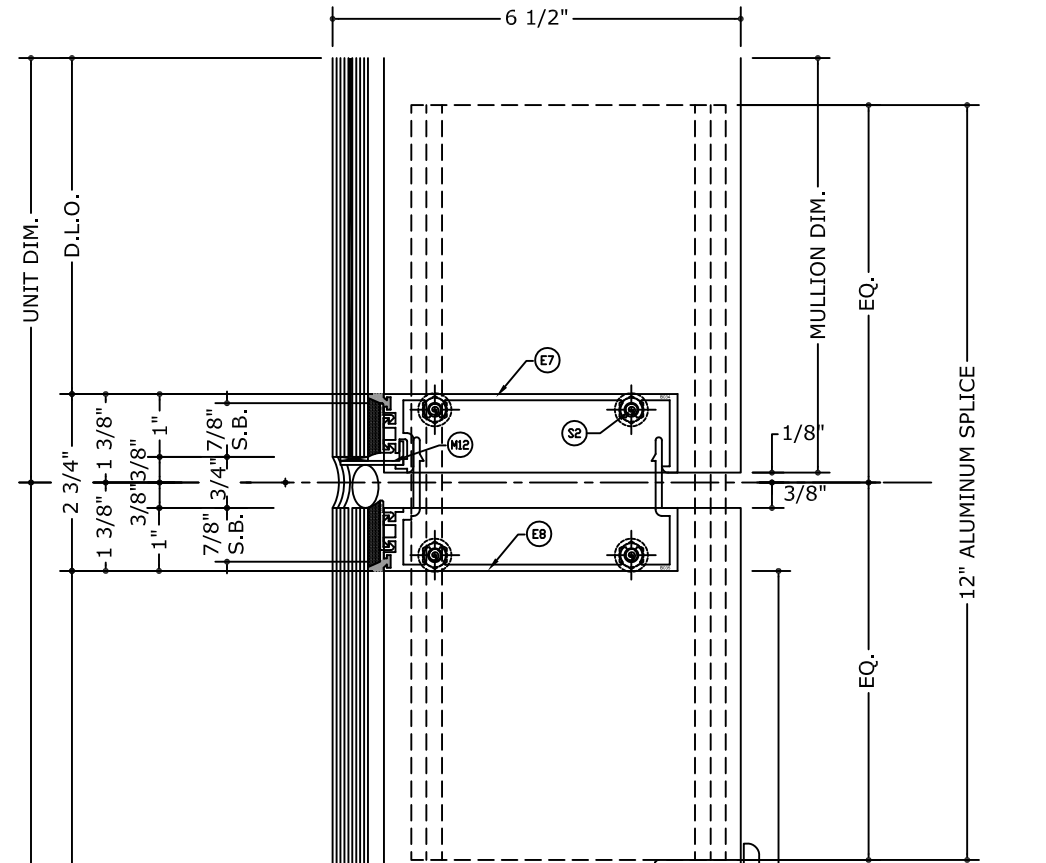
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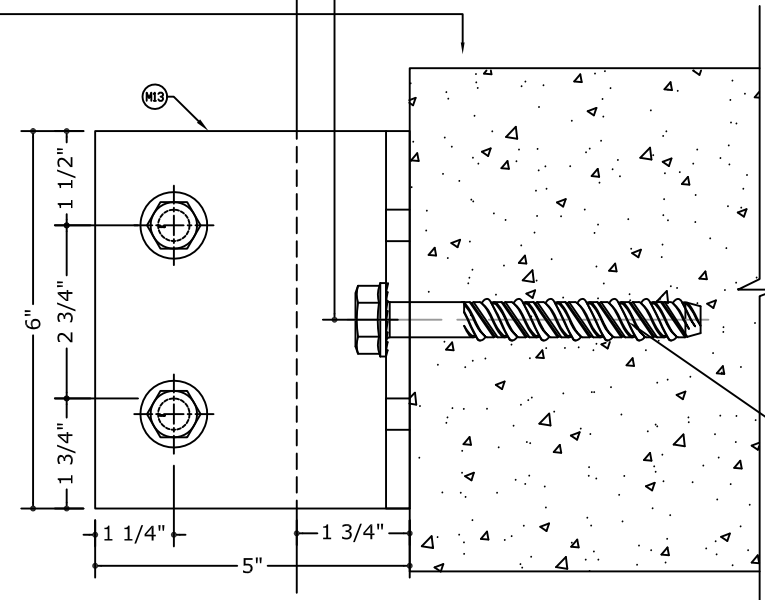
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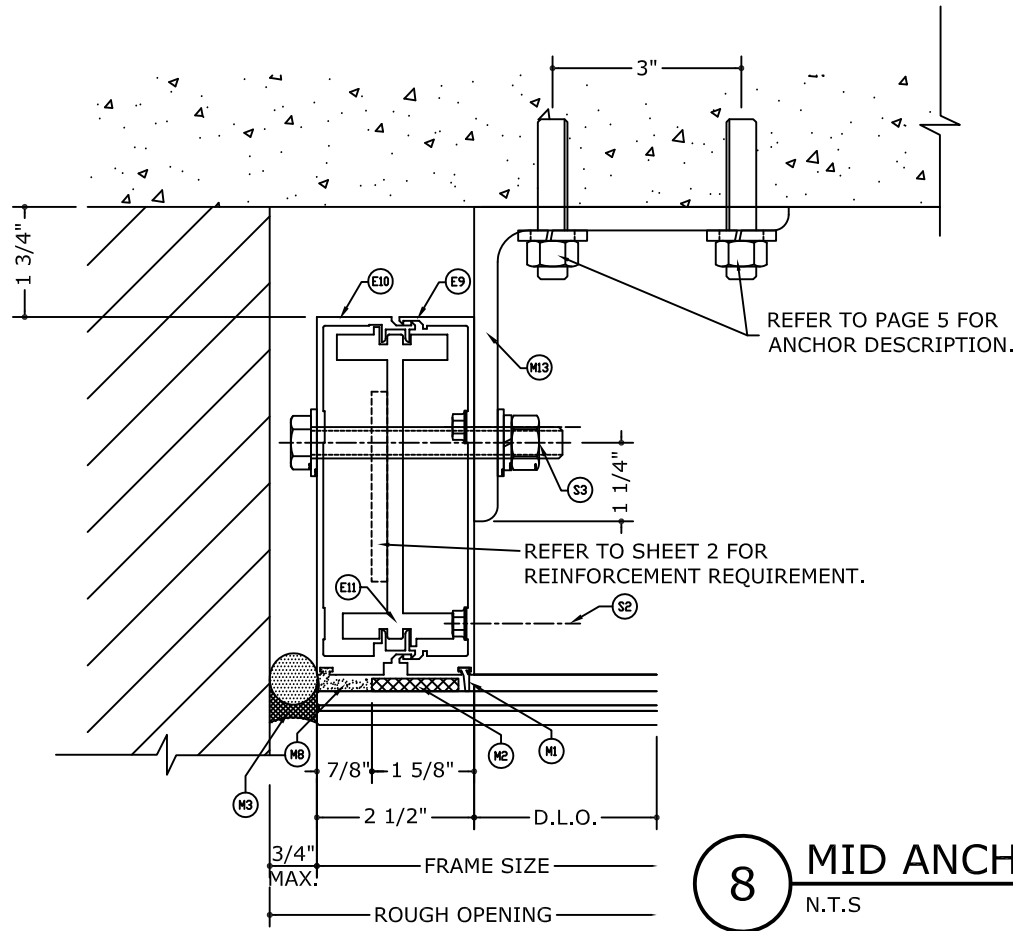
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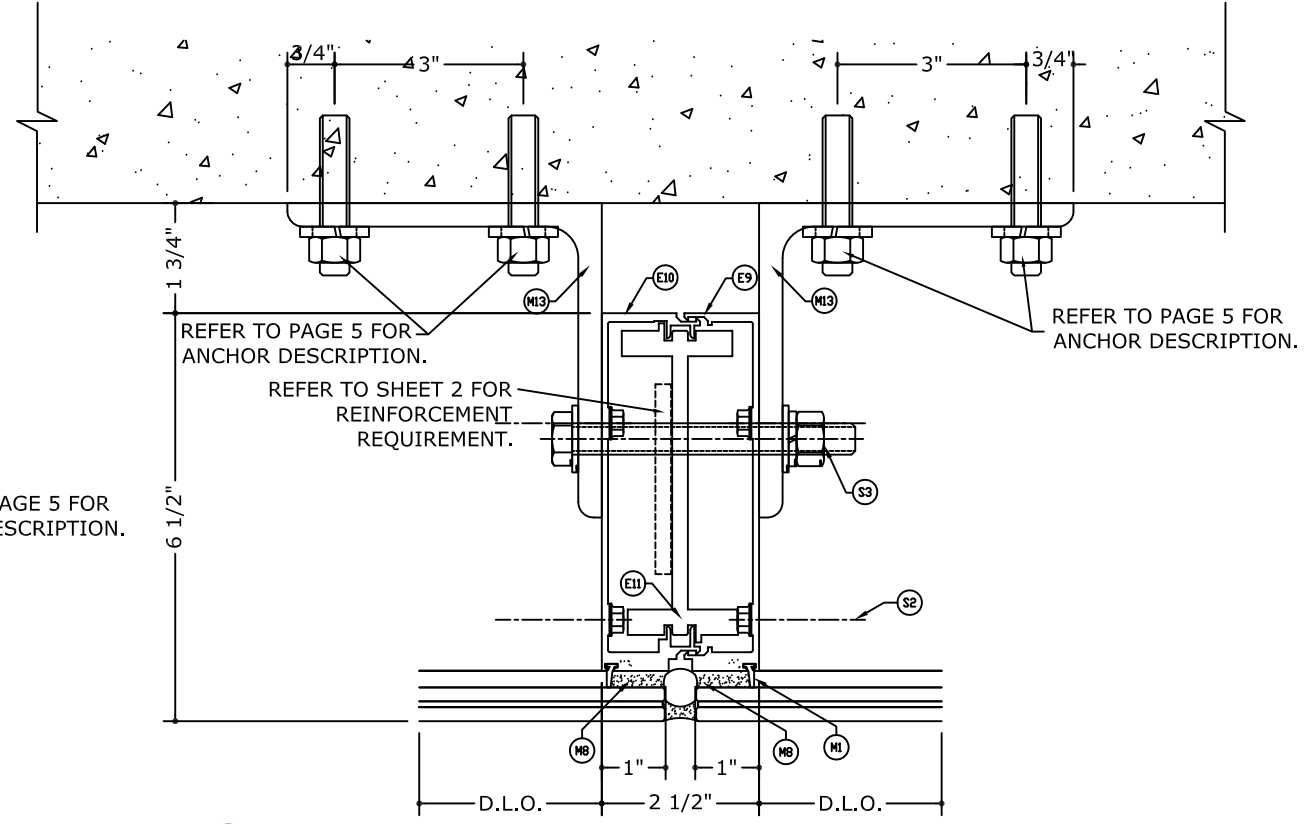
7 STACK JOINT & MID ANCHOR DETAIL
N.T.S



8.1 MID ANCHOR AT MULLION
N.T.S



8 MID ANCHOR AT JAMB
N.T.S



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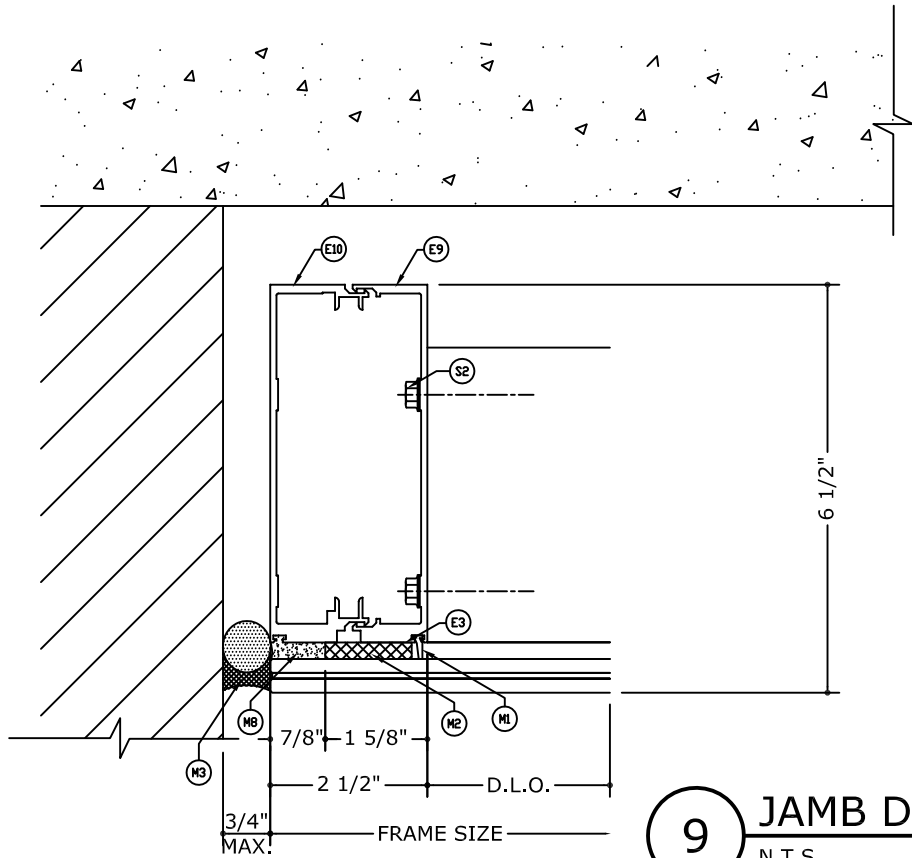
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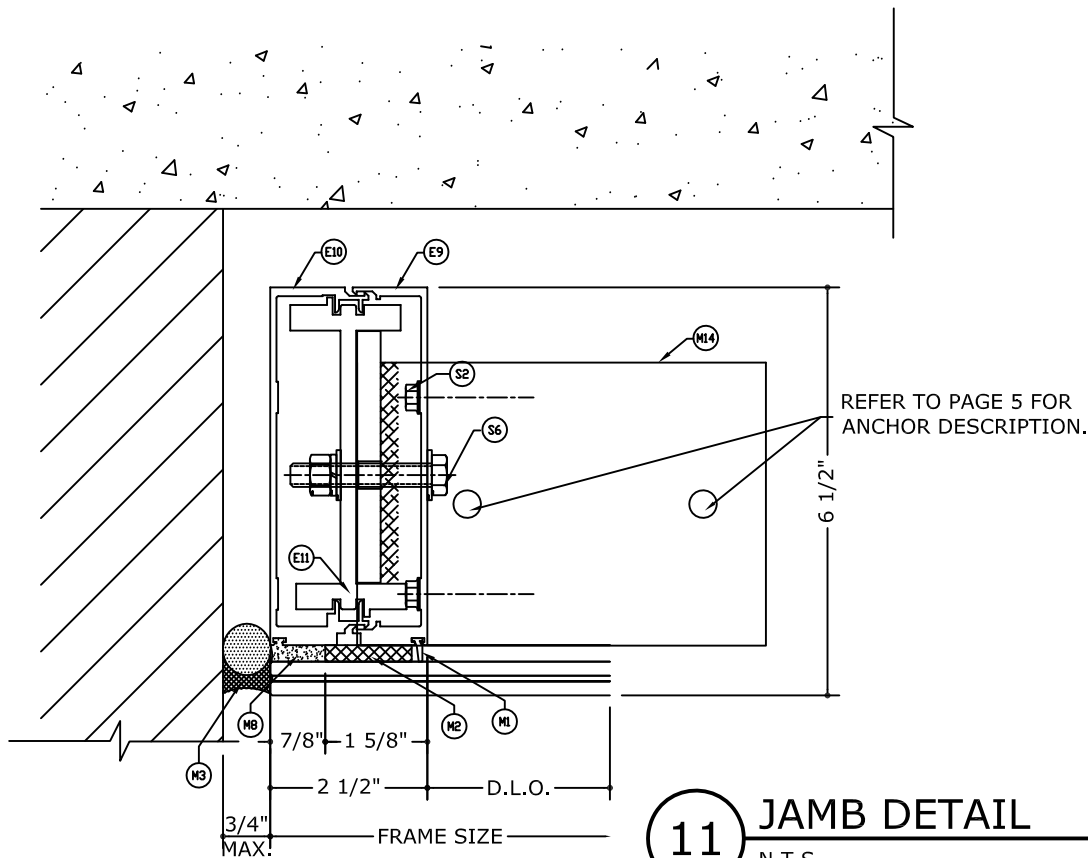
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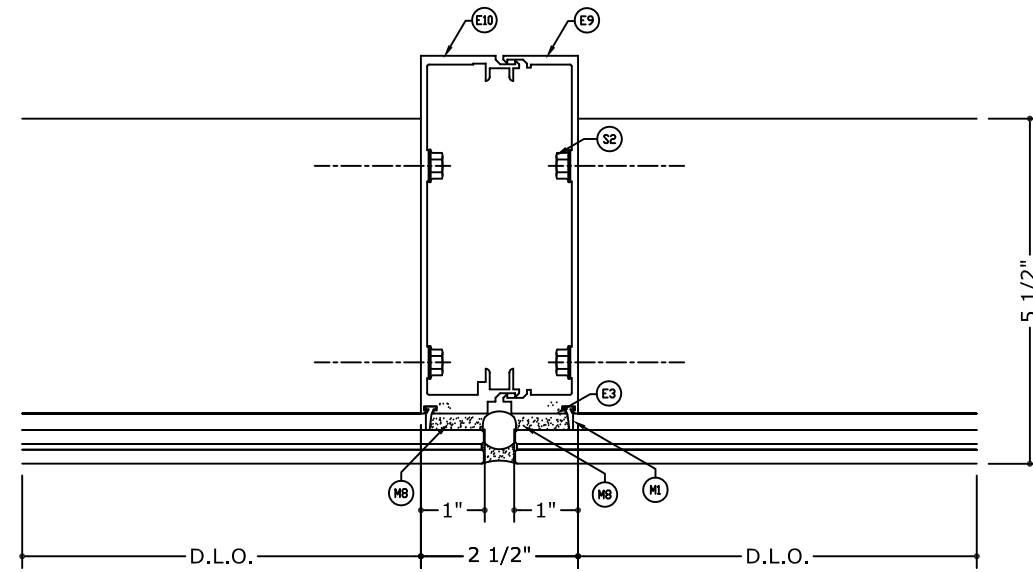
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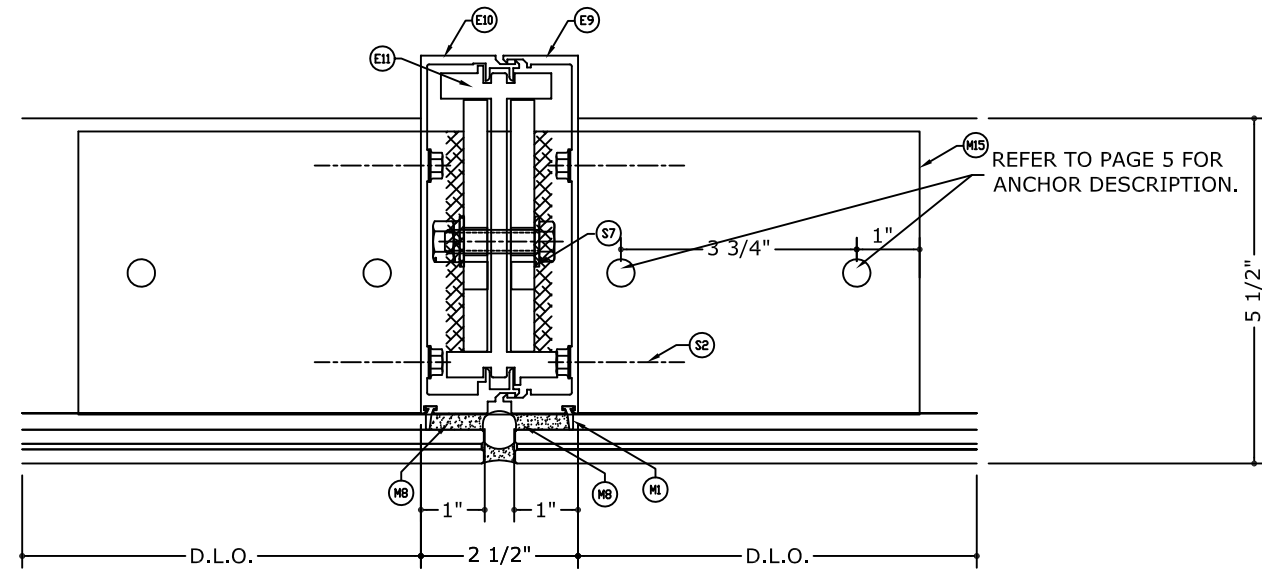
9 JAMB DETAIL
N.T.S



11 JAMB DETAIL
N.T.S



10 INTERMEDIATE VERTICAL
N.T.S



12 INTERMEDIATE VERTICAL
N.T.S

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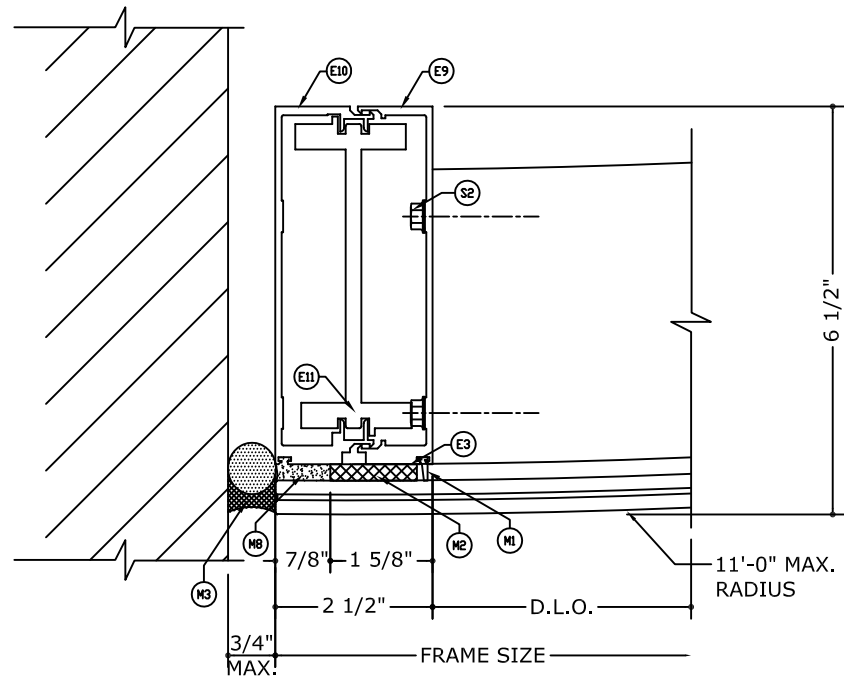
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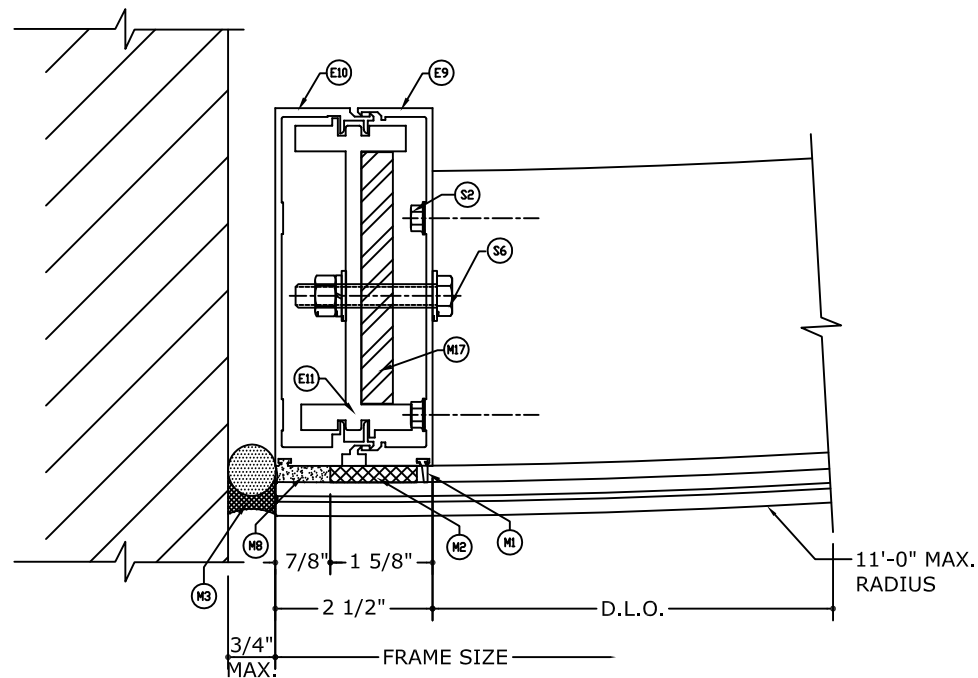
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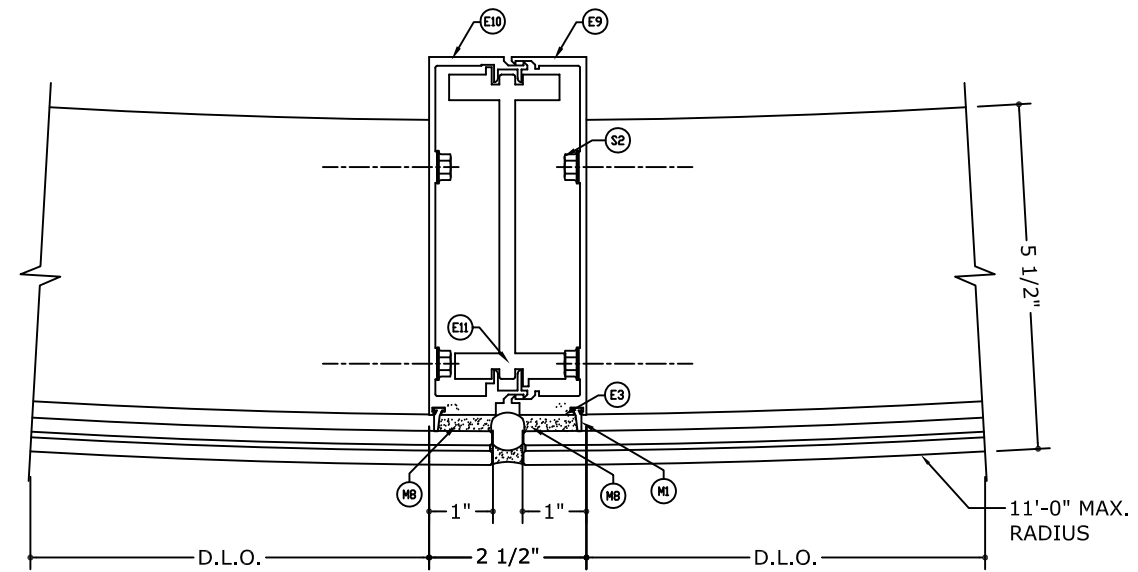
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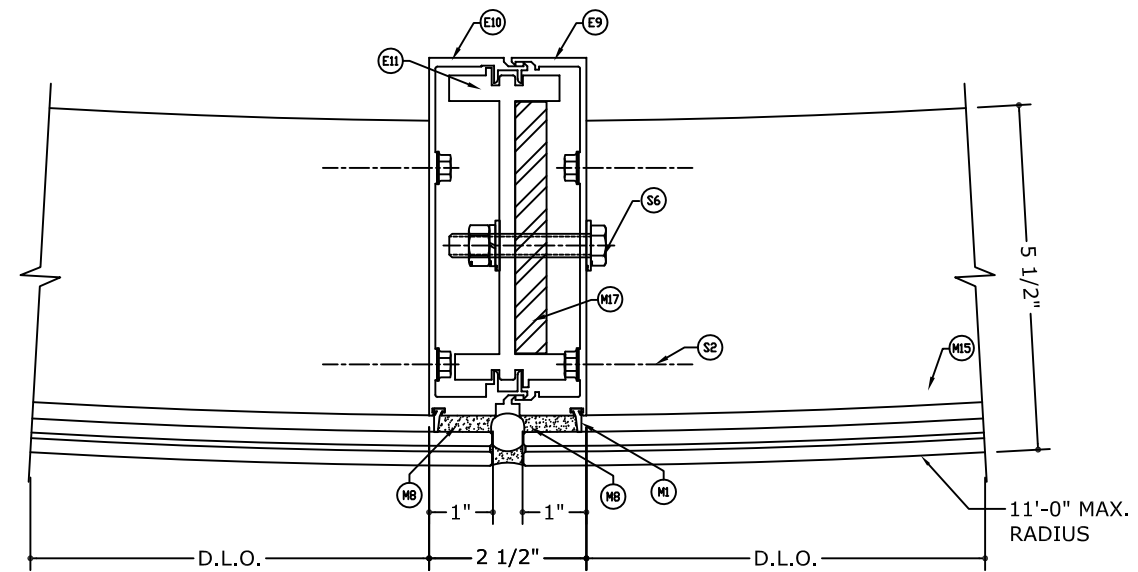
13 JAMB DETAIL
N.T.S



15 JAMB DETAIL
N.T.S



14 INTERMEDIATE VERTICAL
N.T.S



16 INTERMEDIATE VERTICAL
N.T.S

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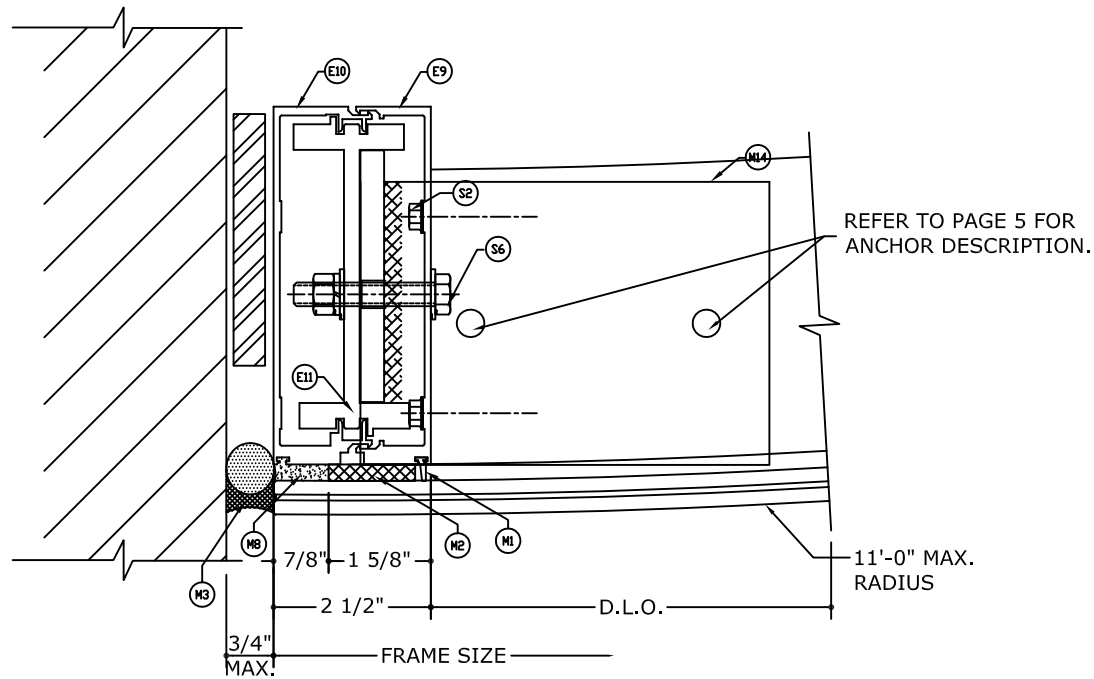
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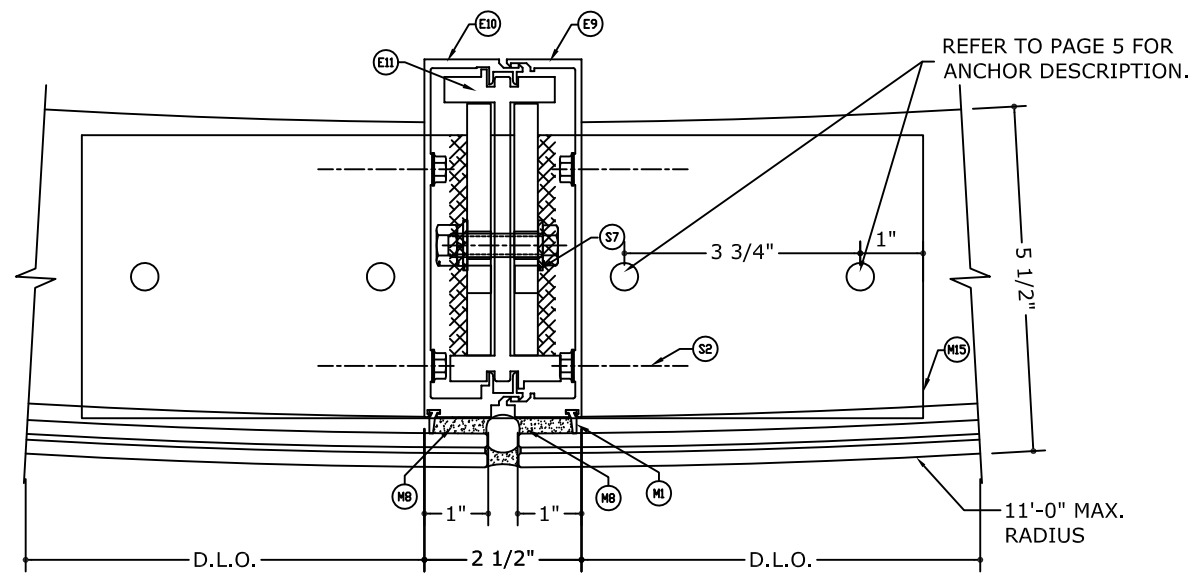
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17 JAMB DETAIL
N.T.S



18 INTERMEDIATE VERTICAL
N.T.S

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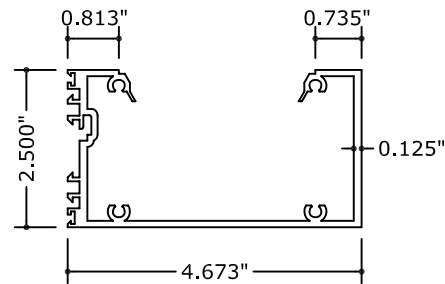
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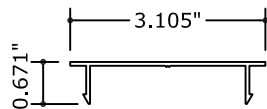
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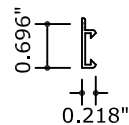
PARTS LIST



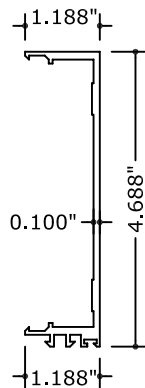
E1 HEAD / SILL / HORIZONTAL



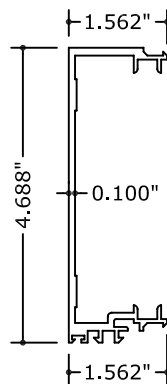
E2 INTERIOR SNAP COVER



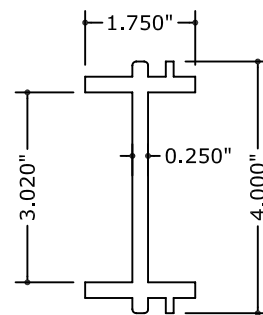
E3 ALUMINUM COVER



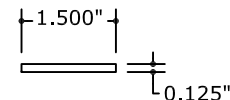
E4 VERTICAL MULLION FEMALE



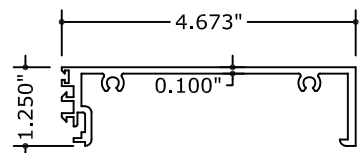
E5 VERTICAL MULLION MALE



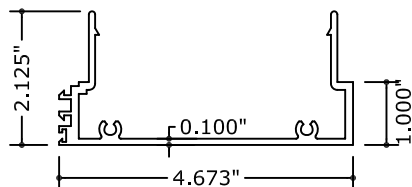
E6 ALUMINUM SPLICER



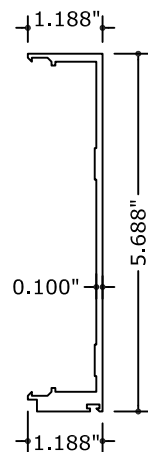
M4 ALUMINUM PLATE



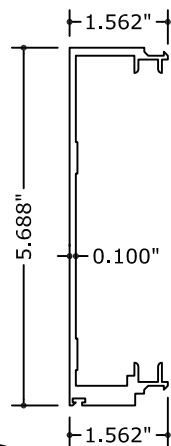
E7 EXPANSION JOINT BOTTOM



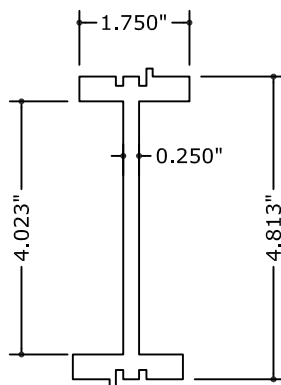
E8 EXPANSION JOINT TOP



E9 VERTICAL MULLION FEMALE



E10 VERTICAL MULLION MALE



E11 ALUMINUM SPLICER

FRANK BENNARDO, P.E.
PE# 0046549 CA #9885



02/12/2021

FL#28401.2



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BUILDING ENVELOPE SYSTEMS, INC.

3121 EAST 11TH AVE
HIALEAH, FL
Phn. (305) 693-0683

SERIES 7500 CURTAIN WALL (LMI/SMI)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	06/23/20
2020 FBC UPDATE	JPC	AJP	09/07/20
CURVED GLASS ADDITION	JEM	AJP	02/08/21
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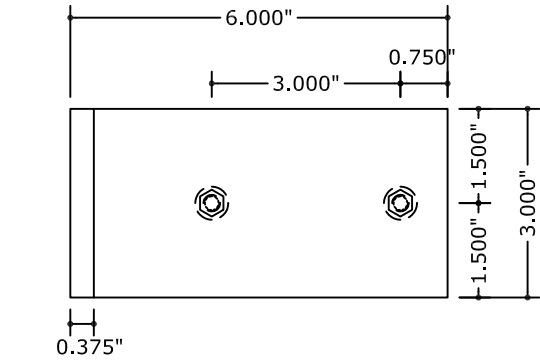
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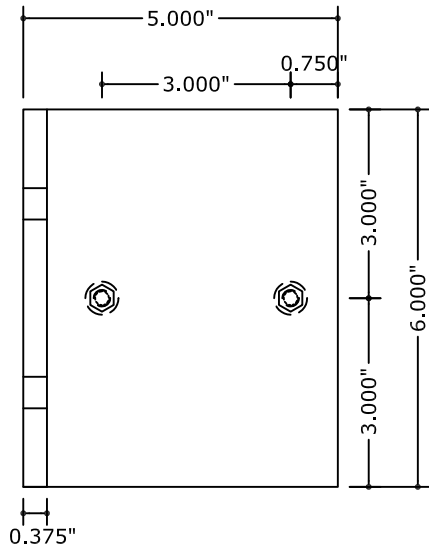
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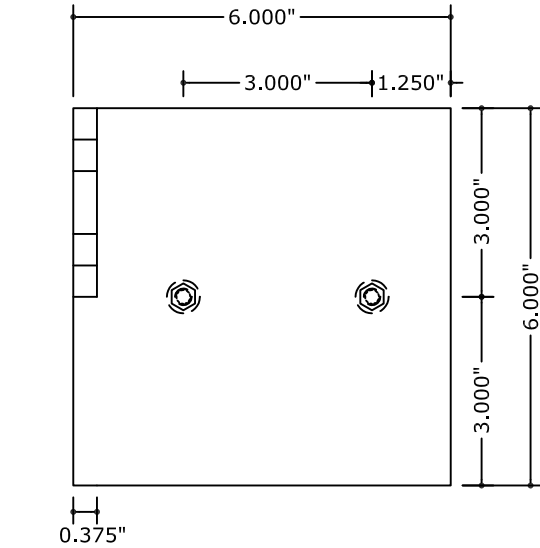
PARTS LIST



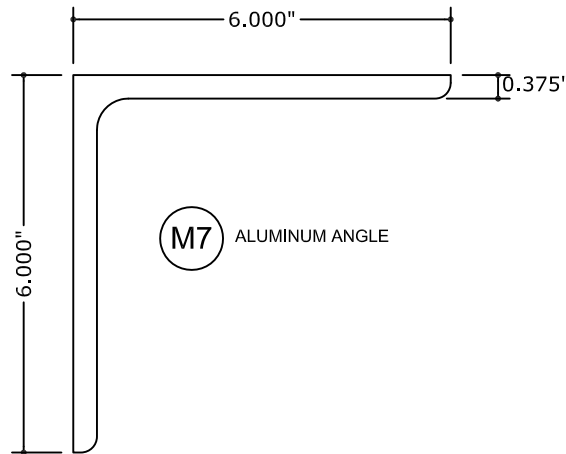
M6 ANCHOR PLATE



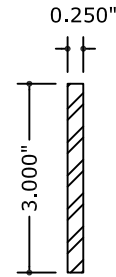
M13 ALUMINUM ANGLE



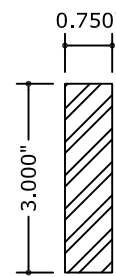
M7 ALUMINUM ANGLE



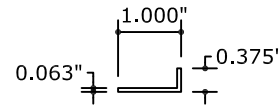
M14 ANCHOR BRACKET (AT JAMBS)



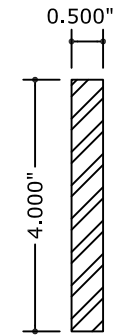
M10 STEEL REINFORCEMENT



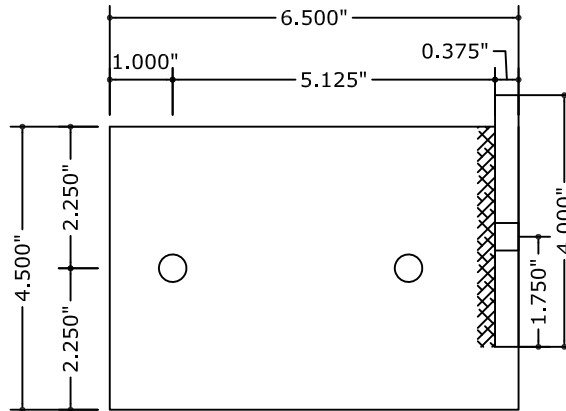
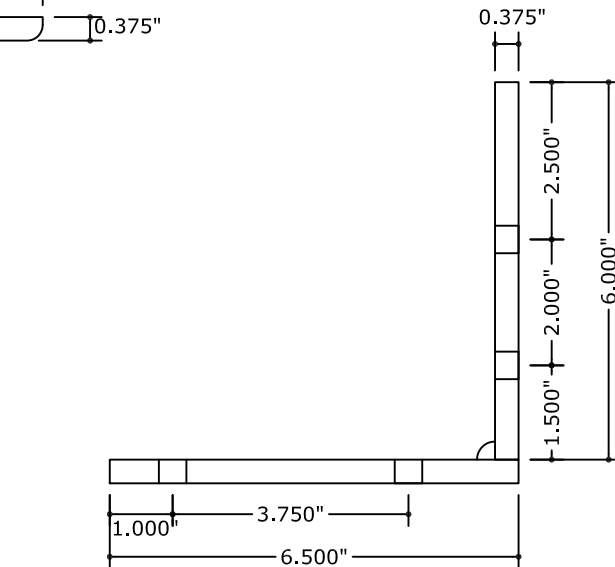
M11 STEEL REINFORCEMENT



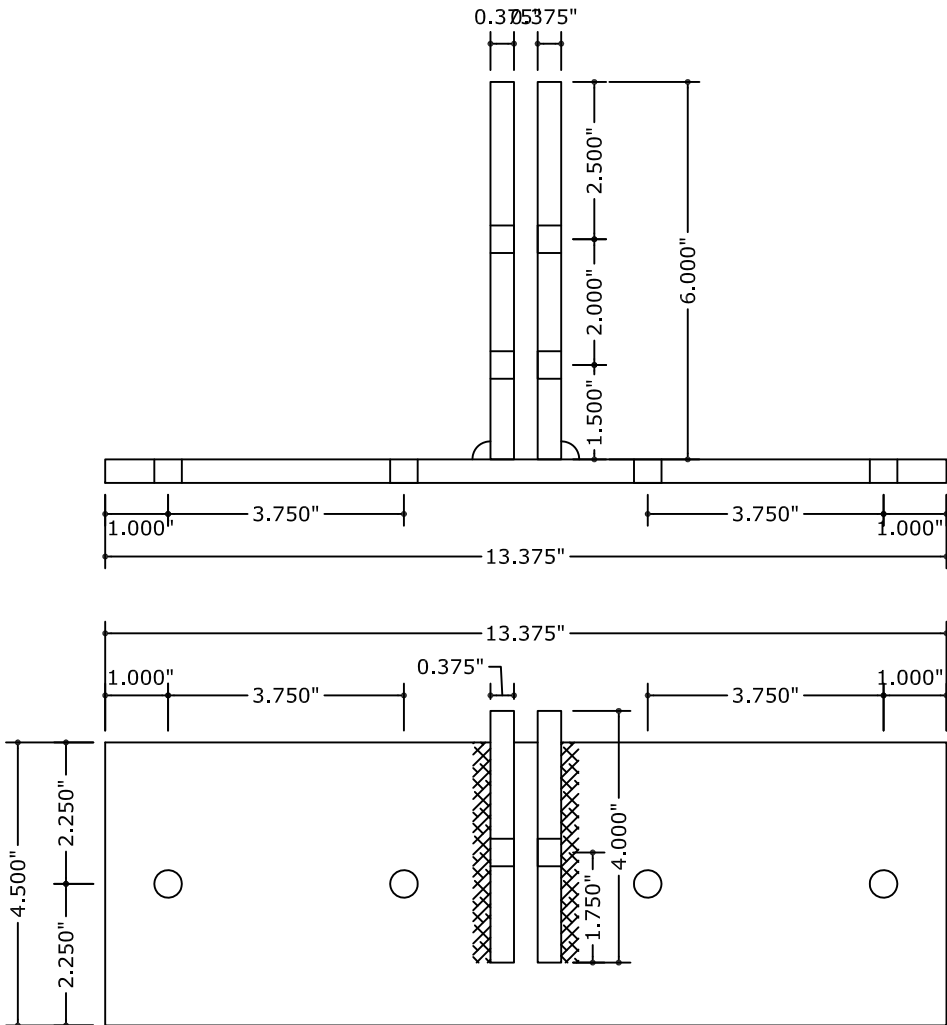
M12 ALUMINUM ANGLE



M17 STEEL REINFORCEMENT



PARTS LIST



M15 ANCHOR BRACKET (AT MULLIONS)

PARTS LIST			
MARK #	PART No.	DESCRIPTION	MATERIAL
E1	CV-5250-030	HORIZONTAL, HEAD & SILL	6063-T5 ALUMINUM
E2	CV-5250-004	INTERIOR SNAP COVER	6063-T5 ALUMINUM
E3	CV-5250-007	2 1/2"x 1/4" ALUMINUM COVER - HEAD, SILL & JAMB	6063-T5 ALUMINUM
E4	CV-5250-005	FEMALE MULLION - SINGLE SPAN	6063-T5 ALUMINUM
E5	CV-5250-006	MALE MULLION - SINGLE SPAN	6063-T5 ALUMINUM
E6	CV-5250-035	ALUMINUM REINFORCEMENT SPLICE - SINGLE SPAN	6061-T6 ALUMINUM
E7	CV-5250-008	EXPANSION JOINT BOTTOM	6063-T5 ALUMINUM
E8	CV-5250-009	EXPANSION JOINT TOP	6063-T5 ALUMINUM
E9	CV-5250-046	FEMALE MULLION - SINGLE & TWIN SPANS	6063-T5 ALUMINUM
E10	CV-5250-045	MALE MULLION - SINGLE & TWIN SPANS	6063-T5 ALUMINUM
E11	CV-5250-049	ALUMINUM REINFORCEMENT SPLICE - SINGLE & TWIN SPANS	6061-T6 ALUMINUM
M1	V-015	VINYL BLACK (GLAZING GASKET) (MELTPOINT)	
M2		1 1/2"x 1/4" DOUBLE FACE TAPE	
M3		DC 790 SILICONE	
M4		1/8"x 1 1/2" ALUMINUM PLATE 4' LONG AT 1/4 POINTS	
M5		1/4" THICK PLASTIC SHIM	
M6		4"x 6"x 3/8"x THICK ALUMINUM ANCHOR PLATE	
M7		6"x 6"x 3/8" THICK ALUMINUM ANGLE	
M8		DDWSIL 995 STRUCTURAL SILICONE	
M9		PLASTICK SHIM FOR DEAD LOAD	
M10		1/4"x 3" STEEL BAR REINFORCEMENT	
M11		3/4"x 3" STEEL BAR REINFORCEMENT	
M12		1/16"x 1"x 3/8"x ALUMINUM ANGLE 4' LONG AT 1/4 POINTS	
M13		5"x 5"x 3/8" THICK ALUMINUM ANGLE 6' LONG	60613-T6 ALUMINUM
M14		6 1/2"x 4 1/2" x 3/8" STEEL PLATE WELDED TO 4"x 6"x 3/8" STEEL PLATE (AT JAMBS)	
M15		13 3/8"x 4 1/2" x 3/8" STEEL PLATE WELDED TO (2) 4"x 6"x 3/8" STEEL PLATES (AT MULLIONS)	
M16		1/8" GLAZING BLOCK - 85±5 SHORE A DUROMETER AT 1/4 POINTS	
M17		4"x 1/2" STEEL BAR REINFORCEMENT (CONTINUOUS AT L.M.I. UNITS ONLY)	
S1		1/4"DIA. x 1 1/2" LONG HX. HD. TEK-SCREW	
S2		#12x 1 1/4" PHS SMS ST/ST ASSEMBLY SCREW	
S3		3/8" DIA.x 4" LONG HX. HD. THRU BOLT-SCREW	
S4		#10x 3/4" LONG PH. SMS ST/ST	
S5		1/2" DIA. x 6 1/2" LONG HX. HD. W/ 4 1/2" EMBED HVA CAPSULE ADHESIVE ANCHOR	
S6		#12 x 1 1/4" LONG HX. HD. TEK- SCREW	
S7		1/4" DIA. x 1 1/2" LONG HX. HD. TEK-SCREW	
S8		1/4" DIA. x 1 3/4" LONG FH. TEK-SCREW	

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