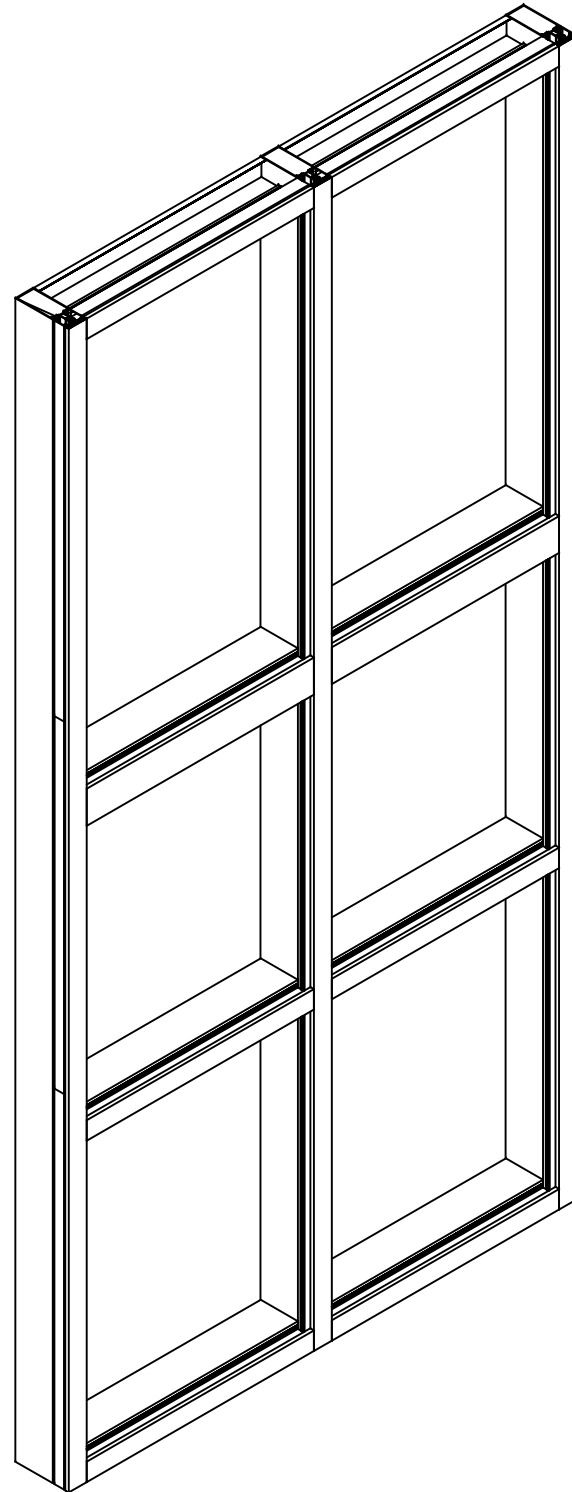


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Reliance™ StormMax® High Performance

CURTAIN WALL SYSTEM

(LARGE MISSILE IMPACT - LEVEL D & E)



GENERAL NOTES:

- THIS SYSTEM HAS BEEN TESTED AND EVALUATED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH LATEST APPLICABLE TEXAS REVISIONS PER
 - ASTM E330-14, E331-00, E283-04, E1886-13a, E1996-14
 - TAS 201 / 202 / 203
 - AAMA 501
 - ANSI Z97.1-2015 (400 ft-lb. IMPACT)
 - ALUMINUM DESIGN MANUAL 2015, ASCE 7-16
- SITE-SPECIFIC REQUIRED DESIGN PRESSURES SHALL BE CALCULATED BY A LICENSED PROFESSIONAL ENGINEER FOR USE WITH THIS DOCUMENT PER CURRENT ADOPTED EDITION OF ASCE 7 AND WITH LOCAL CODE REQUIREMENTS.
- THIS PRODUCT HAS BEEN DESIGNED FOR USE FOR ALL AREAS WITHIN TEXAS AS DEFINED BY THE TEXAS DEPARTMENT OF INSURANCE.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd-1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBER FORM DISSIMILAR MATERIALS O PREVENT ELECTROLYSIS.
- FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION).
- PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING AND ANY OTHER TDI REQUIREMENTS:
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 803 AIRPORT ROAD
 TERRELL, TEXAS 75160

SHEET INDEX

# SHEET	DESCRIPTION
01	COVER SHEET
02	ELEVATIONS
03-07	GLASS LOADING TABLES
08	MULLION & JAMB LOAD DETERMINATION
09-18	SINGLE SPAN MULLION LOADING TABLES
19	ANCHORING SCHEDULE
20-32	DETAILS
33-34	ZONE PLUG AND PRESSURE PLATE INSTALLATION
35	SUNSHADE OPTION
36-37	EXTRUSIONS / PART LIST
37	TOTAL

VISIT ECALC.IO/30425 SCAN HERE:
 FOR HELPFUL RESOURCES, SITE SPECIFIC JOB ORDERING & MORE INFORMATION ABOUT THIS PRODUCT & RELATED SERVICES



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 CURTAIN WALL SYSTEM


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ELEVATIONS DRAWING FOR Reliance™ StormMax® HIGH PERFORMANCE IMPACT RESISTANT CAPTURED CURTAIN WALL SYSTEM

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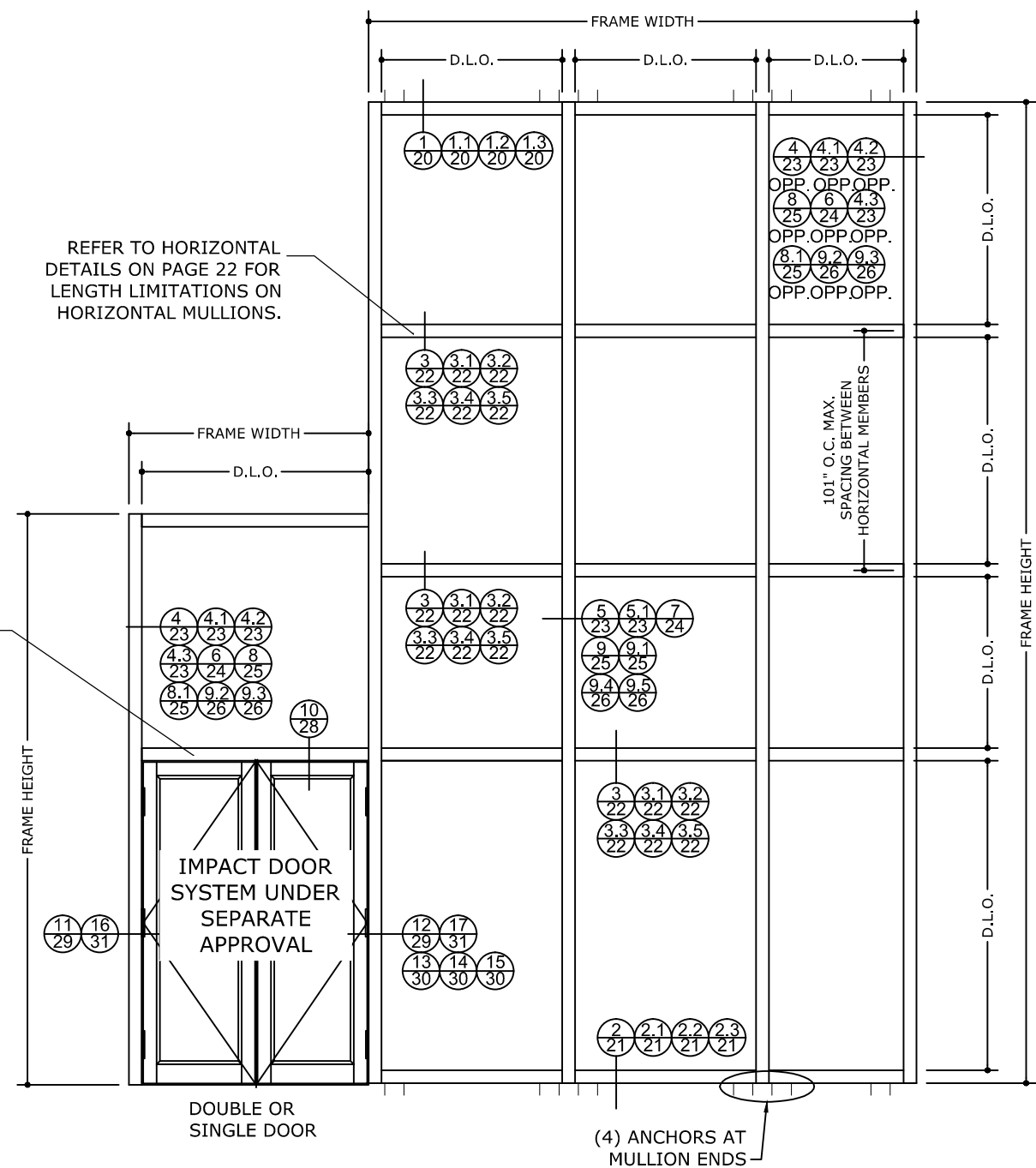
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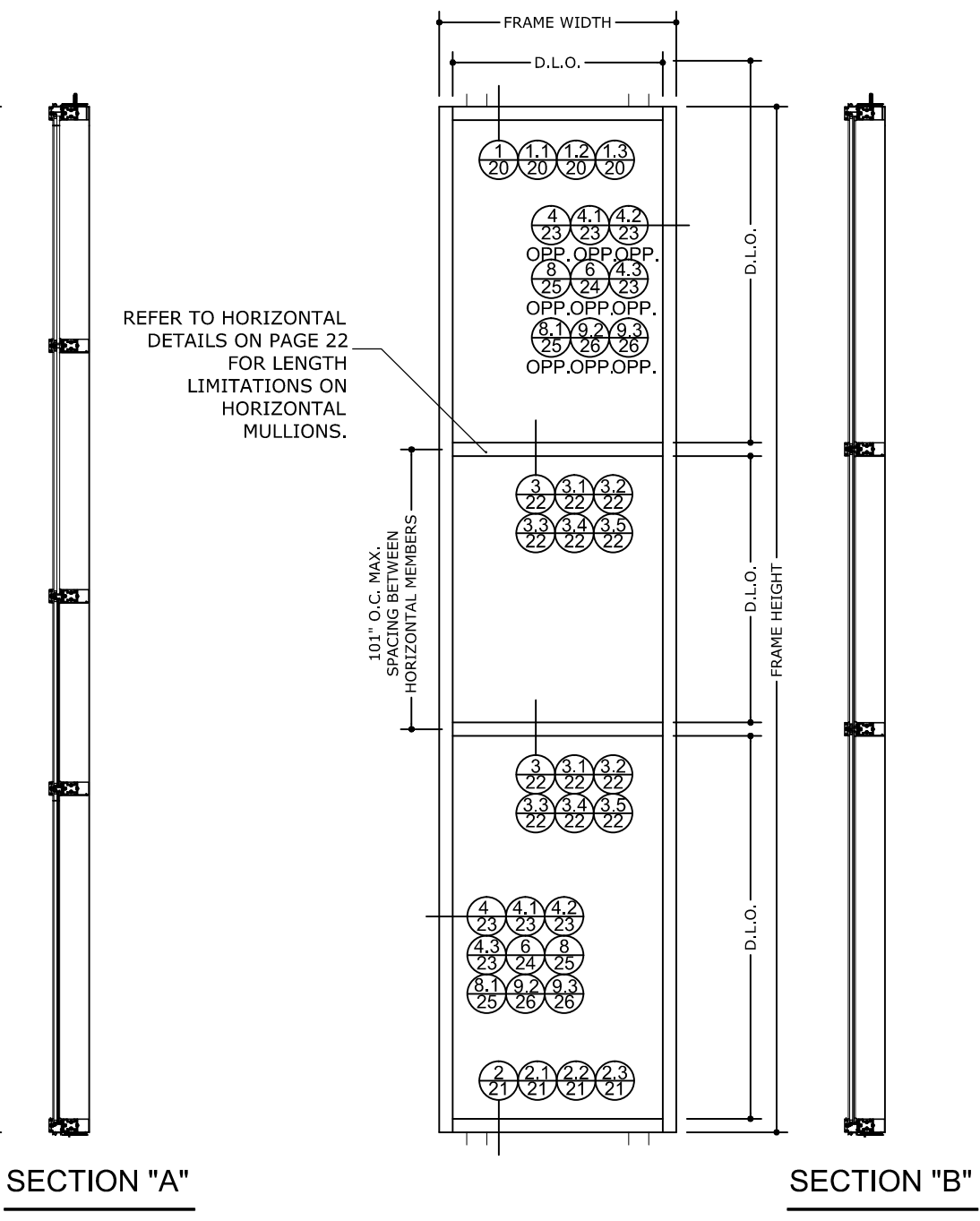
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TYPICAL CURTAIN WALL ELEVATION



TYPICAL SINGLE PANEL OPENING

FRAME SIZE FOR SINGLE OPENINGS SHALL BE GOVERNED BY THE MAXIMUM ALLOWABLE D.L.O. DIMENSIONS DISPLAYED ON THE GLASS CHARTS

* LIMITING DIMENSIONS HEREIN CAN DIFFER UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING

STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.

STEP ②: USE THE MULLION LOADING TABLE TO DETERMINE THE ALLOWABLE PRESSURES FOR THE MULLIONS.
NOTE: TO DETERMINE THE LOADS OF THE JAMB MULLIONS SEE DIAGRAM ON PAGE 8.

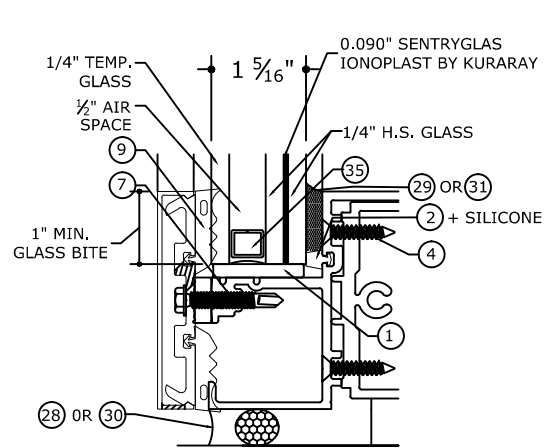
STEP ③: SEE FASTENER TYPES AND PRESSURES ON SHEET 19.

STEP ④: THE MINIMUM VALUE BETWEEN STEP ①, STEP ②, AND ③ WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE CURTAIN WALL SYSTEM

WATER INFILTRATION NOTE:
WATER RESISTANCE PER TAS 202 AND ASTM E331 = 15 P.S.F

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GLASS TYPES (L.M.I.) - MISSILE LEVEL "D"



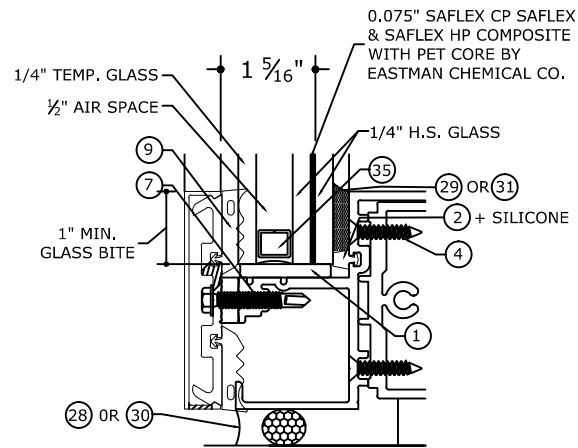
GLASS TYPE **G4A**

GLAZING DETAIL (WET)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D
1 5/16" GLASS



GLASS TYPE **G12**

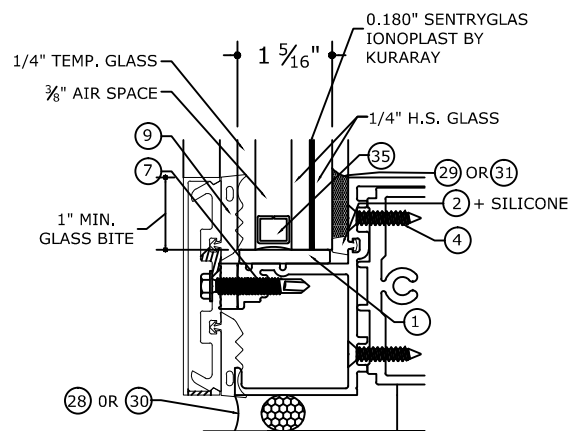
GLAZING DETAIL (WET)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D
1 5/16" GLASS

GLASS TYPES (L.M.I.) - MISSILE LEVEL "D" OR "E"



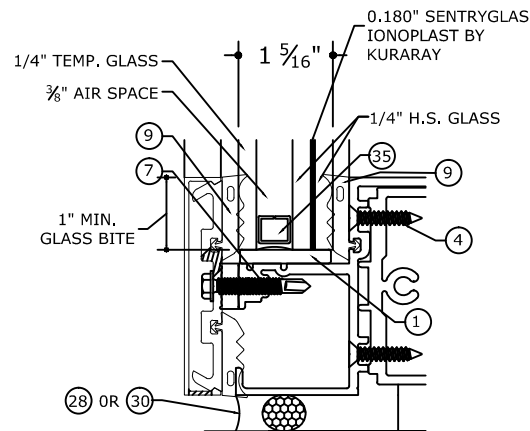
GLASS TYPE **G9**

GLAZING DETAIL (WET)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D OR E
1 5/16" GLASS



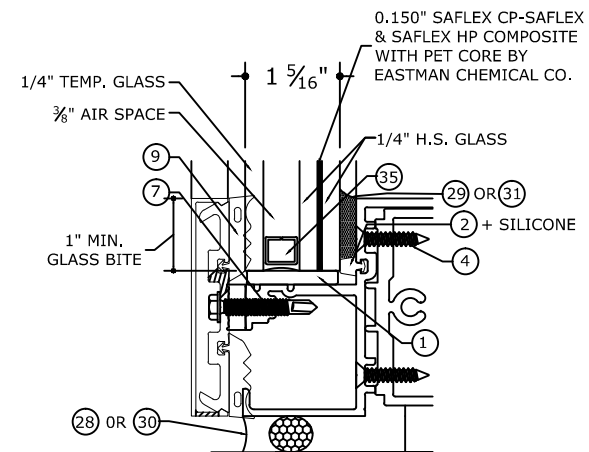
GLASS TYPE **G9**

GLAZING DETAIL (DRY)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D OR E
1 5/16" GLASS



GLASS TYPE **G14**

GLAZING DETAIL (WET)

N.T.S.

GLASS RATING:

LARGE MISSILE LEVEL D OR E
1 5/16" GLASS



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GLASS LOADING TABLES - MISSILE LEVEL "D"

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GLASS TYPES		G4A G12 LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
72	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76
	66	69	69
78	72	63	63
	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76
84	66	69	69
	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	79	79
	60	76	76


GLASS TYPES		G4A G12 LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
90	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76
	66	69	69
96	72	63	63
	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76
102	66	69	69
	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76
108	66	69	69
	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
	54	80	80
	57	80	80
	60	76	76


NOTE:
D.L.O. WIDTH AND HEIGHT
DIMENSIONS CAN BE REVERSED.

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GLASS LOADING TABLES - MISSILE LEVEL "D"

GLASS TYPES		 LOADING CHART (L.M.I.) ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
114	24	80	80
	30	80	80
	36	80	80
	42	80	80
	48	80	80
120	24	80	80
	30	80	80
	36	80	80
126	24	80	80
	30	80	80
	36	80	80
	42	80	80
132	24	80	80
	30	80	80
	36	80	80

GLASS TYPES		 LOADING CHART (L.M.I.) ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
138	24	80	80
	30	80	80
	36	80	80
144	24	80	80
	30	80	80
	36	80	80
150	24	80	80
	30	80	80
	36	80	80
156	24	80	80
	30	80	80
162	24	80	80
	30	80	80
186	24	80	80
192	24	80	80

NOTE:
D.L.O. WIDTH AND HEIGHT
DIMENSIONS CAN BE REVERSED.

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GLASS LOADING TABLES - MISSILE LEVEL "D" OR "E"

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GLASS TYPES		LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
72	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
	54	92	92
	57	92	92
	60	88	88
	66	80	80
	72	73	73
78	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
	54	92	92
	57	92	92
	60	88	88
84	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
	54	92	92
	57	92	92
	60	88	88

GLASS TYPES		LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
90	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
	54	92	92
	57	92	92
	60	88	88
96	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
	54	92	92
102	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
108	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92

NOTE:
D.L.O. WIDTH AND HEIGHT
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GLASS LOADING TABLES - MISSILE LEVEL "D" OR "E"

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GLASS TYPES		LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
114	24	92	92
	30	92	92
	36	92	92
	42	92	92
	48	92	92
120	24	92	92
	30	92	92
	36	92	92
126	24	92	92
	30	92	92
	36	92	92
	42	92	92
132	24	92	92
	30	92	92
	36	92	92

GLASS TYPES		LOADING CHART (L.M.I.)	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
138	24	92	92
	30	92	92
	36	92	92
144	24	92	92
	30	92	92
	36	92	92
150	24	92	92
	30	92	92
	36	92	92
156	24	92	92
	30	92	92
162	24	92	92
	30	92	92
186	24	92	92
192	24	92	92

NOTE:
D.L.O. WIDTH AND HEIGHT
DIMENSIONS CAN BE REVERSED.

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SINGLE SPAN MULLION LOAD DETERMINATION

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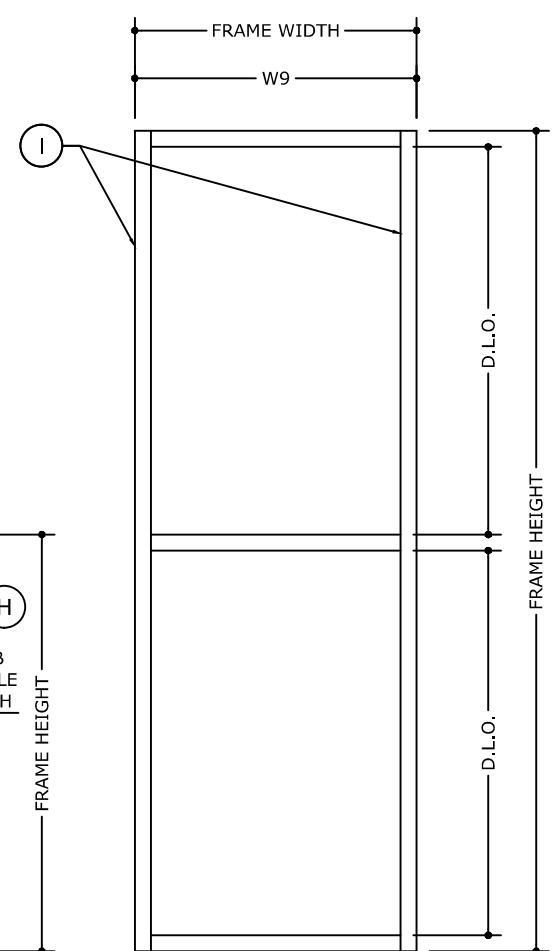
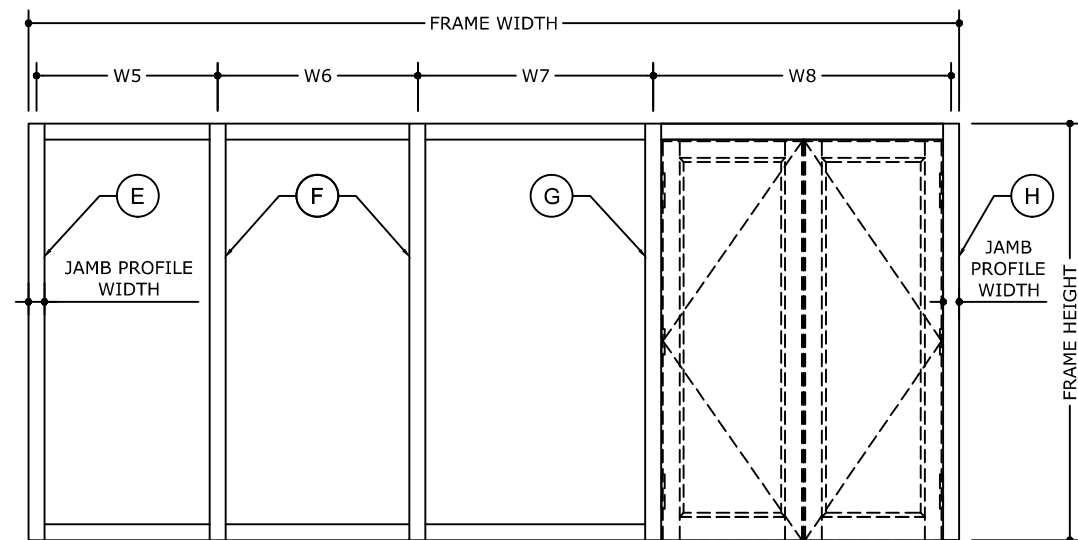
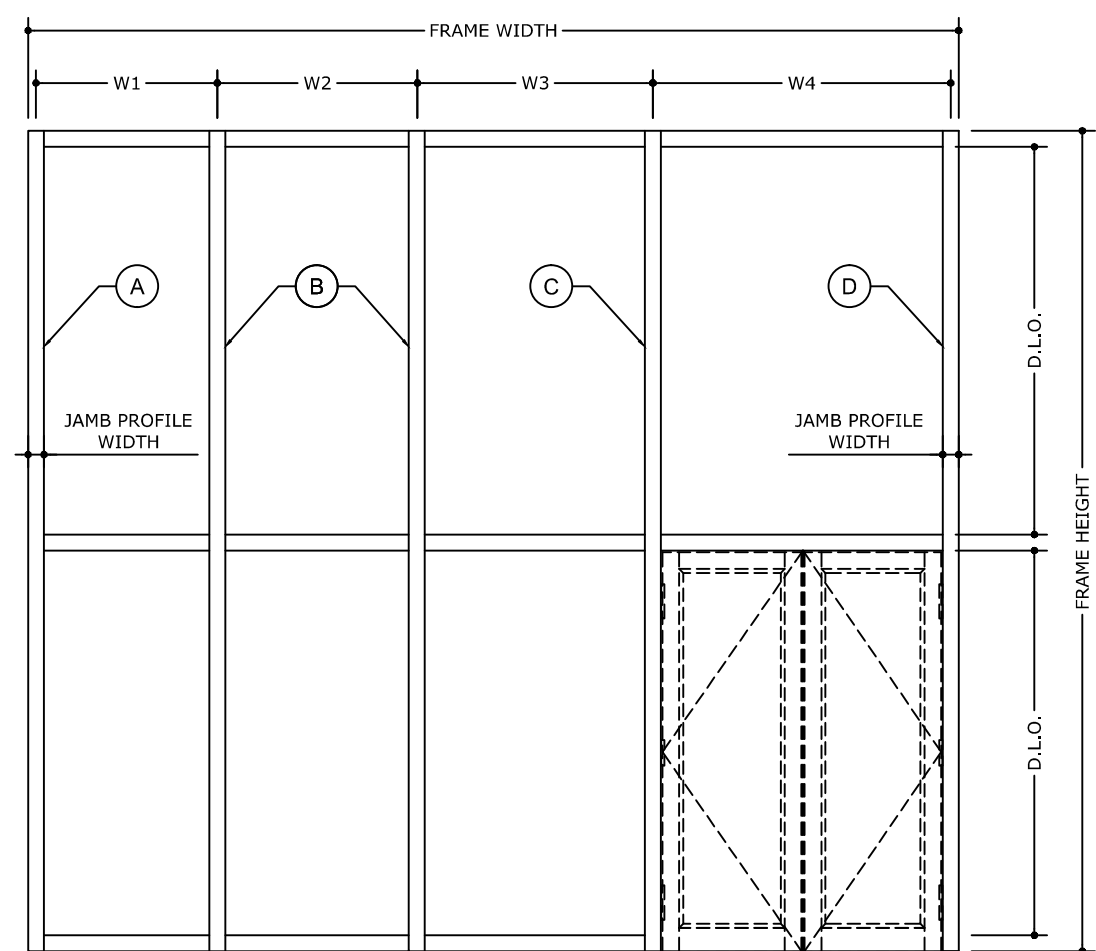
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LOAD DETERMINATION

TRIBUTARY WIDTH A = $\frac{W1}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH B = LARGER OF $\frac{W1 + W2}{2}$ OR $\frac{W2 + W3}{2}$
(FOR STANDARD MULLION)

TRIBUTARY WIDTH C = $\frac{W3 + W4}{2}$
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH D = $\frac{W4}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR DOOR JAMB MULLION)

LOAD DETERMINATION

TRIBUTARY WIDTH E = $\frac{W5}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH F = LARGER OF $\frac{W5 + W6}{2}$ OR $\frac{W6 + W7}{2}$
(FOR STANDARD MULLION)

TRIBUTARY WIDTH G = $\frac{W7 + W8}{2}$
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH H = $\frac{W8}{4} + 1/2"$ JAMB PROFILE WIDTH
(FOR DOOR JAMB MULLION)

LOAD DETERMINATION

TRIBUTARY WIDTH I = $\frac{W9}{2}$
(FOR STANDARD JAMB MULLION)

(A)	(E)	(I)	JAMB MULLION
(B)	(F)		STANDARD MULLION
(C)	(G)		DOOR JAMB INTERMEDIATE MULLION
(D)	(H)		DOOR JAMB MULLION

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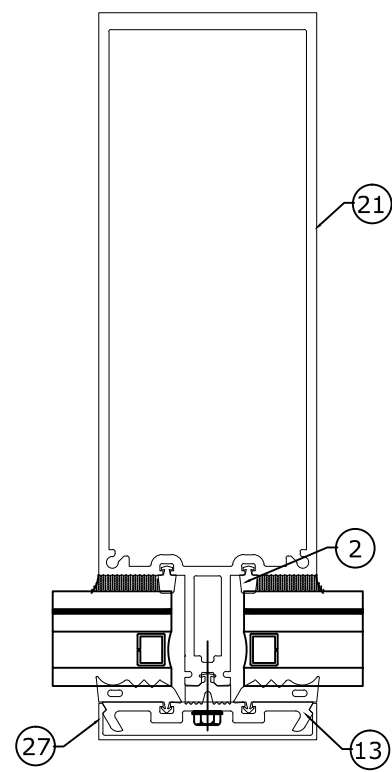
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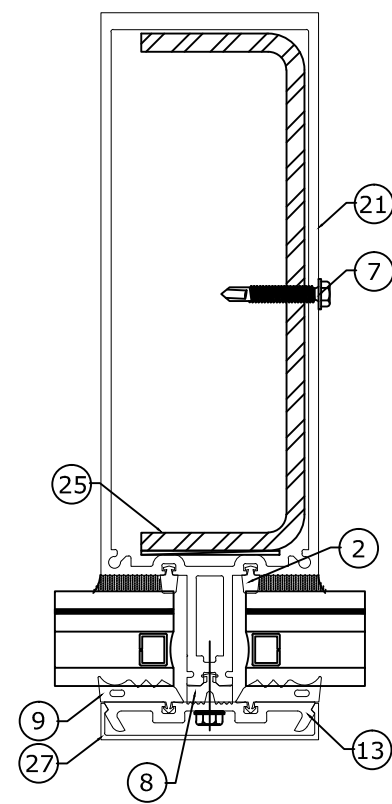
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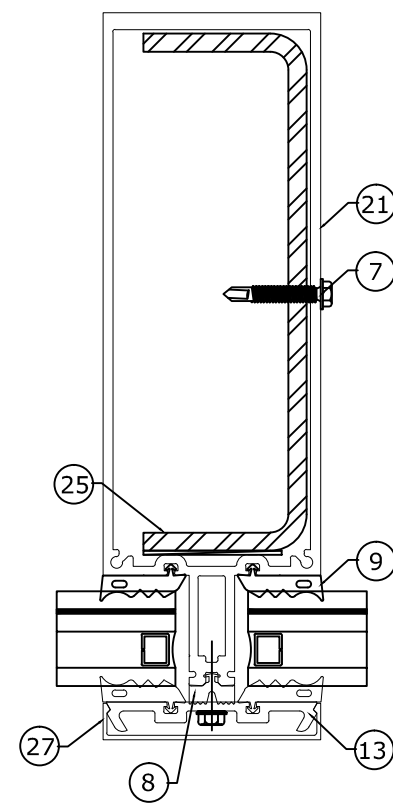
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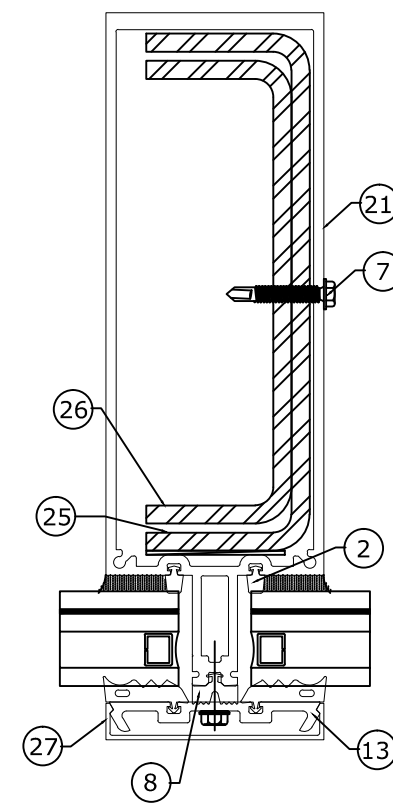
M1
Ix= 34.8107 in⁴ IN TERMS OF ALUMINUM
Sx= 7.1339 in³
WET GLAZED ONLY
MISSILE LEVEL D OR E



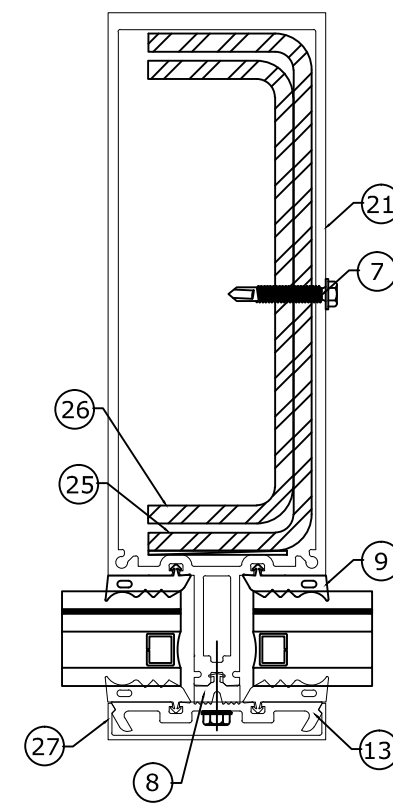
M2
Ix= 90.7837 in⁴ IN TERMS OF ALUMINUM
Sx= 17.1876 in³
WET GLAZED
MISSILE LEVEL D OR E



M2
Ix= 90.7837 in⁴ IN TERMS OF ALUMINUM
Sx= 17.1876 in³
DRY GLAZED
MISSILE LEVEL D OR E



M3
Ix= 130.3060 in⁴ IN TERMS OF ALUMINUM
Sx= 24.3435 in³
WET GLAZED
MISSILE LEVEL D OR E



M3
Ix= 130.3060 in⁴ IN TERMS OF ALUMINUM
Sx= 24.3435 in³
DRY GLAZED
MISSILE LEVEL D OR E

NOTE:
REINFORCEMENT MEMBERS
MUST BE SHIMMED TIGHT.

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Reliance™ StormMax® HIGH-PERFORMANCE SINGLE SPAN JAMB

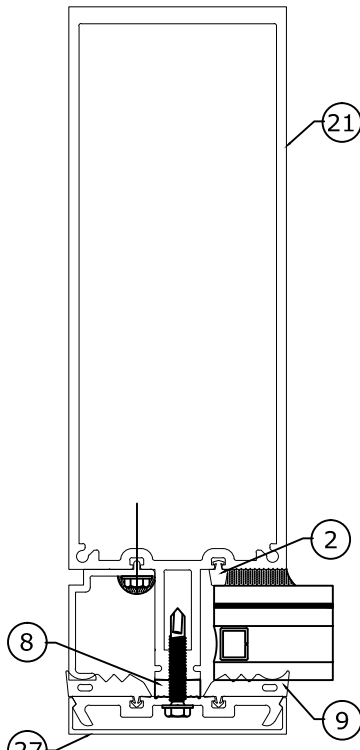
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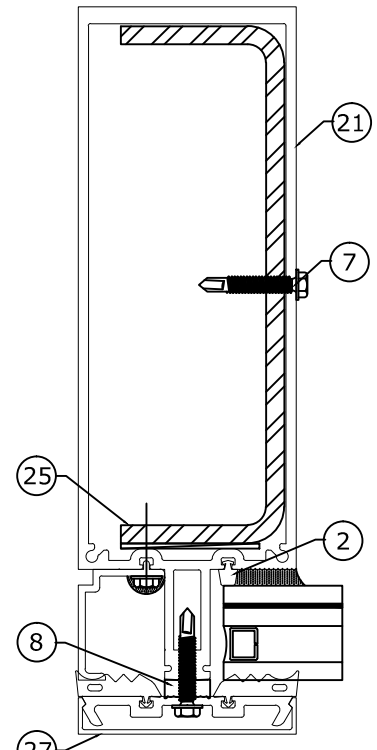
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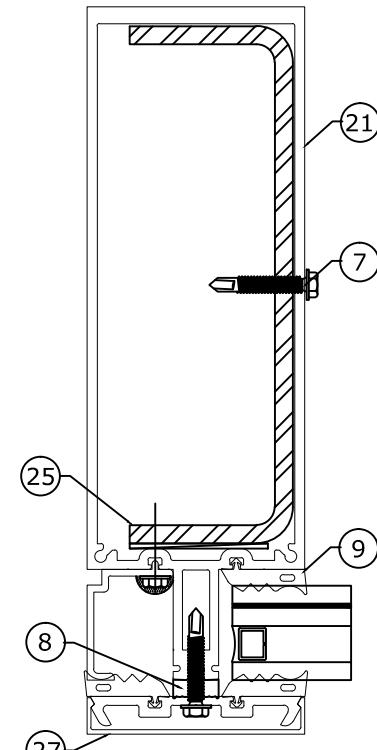
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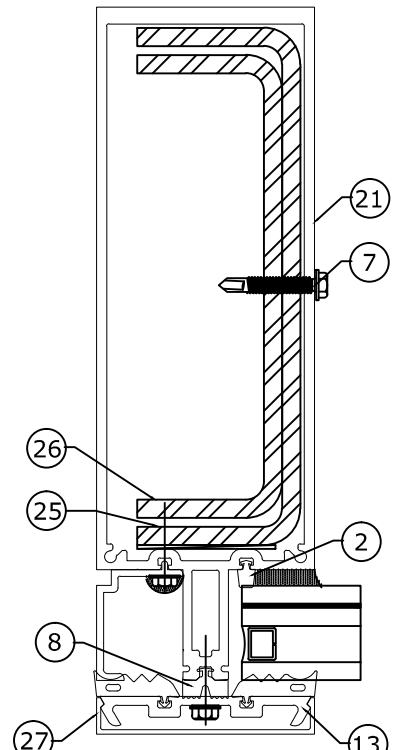
J1
Ix= 34.8107 in4
Sx= 7.1339 in3
IN TERMS OF ALUMINUM
WET GLAZED ONLY
MISSILE LEVEL D OR E



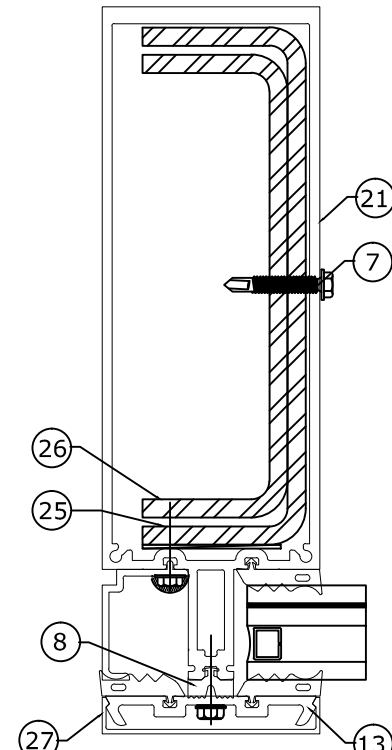
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Ix= 90.7837 in4
Sx= 17.1876 in3
IN TERMS OF ALUMINUM
WET GLAZED
MISSILE LEVEL D OR E



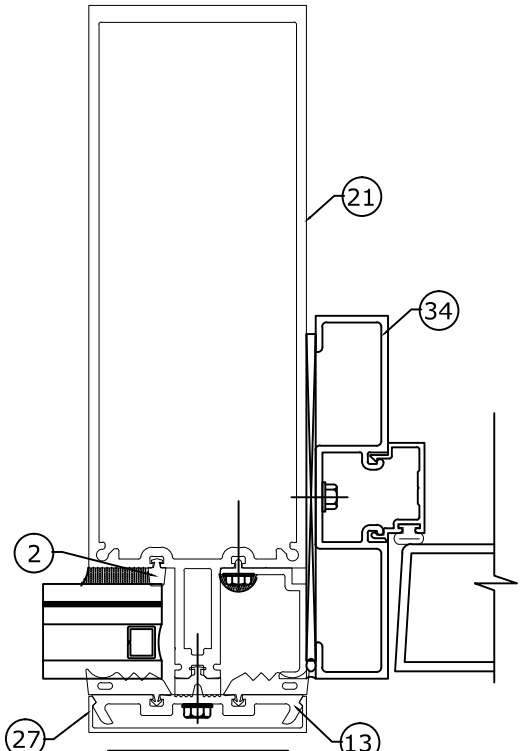
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Ix= 90.7837 in4
Sx= 17.1876 in3
IN TERMS OF ALUMINUM
DRY GLAZED
MISSILE LEVEL D OR E



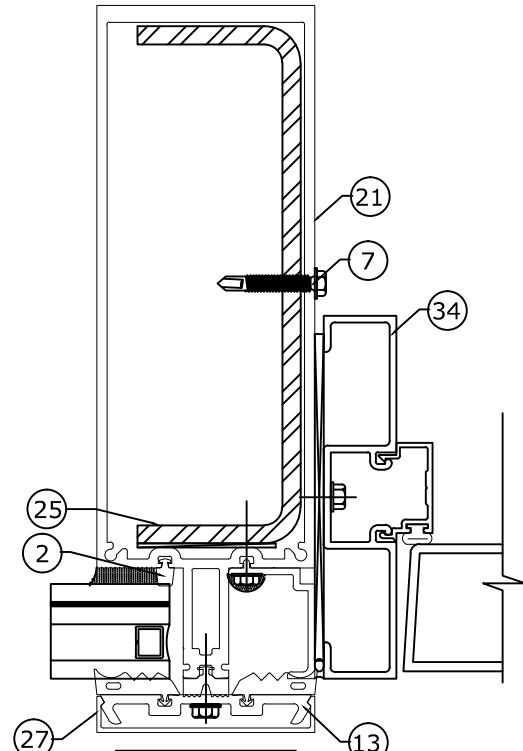
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Ix= 130.3060 in4
Sx= 24.3435 in3
IN TERMS OF ALUMINUM
WET GLAZED
MISSILE LEVEL D OR E



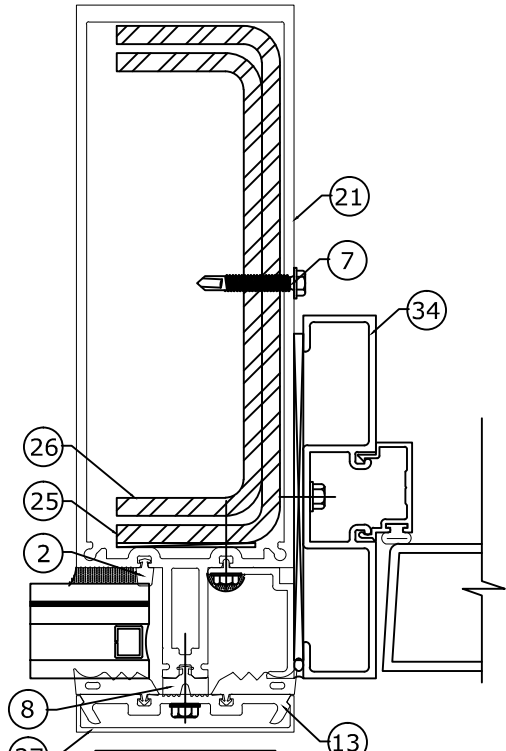
J3
Ix= 130.3060 in4
Sx= 24.3435 in3
IN TERMS OF ALUMINUM
DRY GLAZED
MISSILE LEVEL D OR E



DJ1
Ix= 34.8107 in4
Sx= 7.1339 in3
IN TERMS OF ALUMINUM
WET GLAZED
MISSILE LEVEL D ONLY



DJ2
Ix= 90.7837 in4
Sx= 17.1876 in3
IN TERMS OF ALUMINUM
WET GLAZED
MISSILE LEVEL D ONLY



DJ3
Ix= 130.3060 in4
Sx= 24.3435 in3
IN TERMS OF ALUMINUM
WET GLAZED
MISSILE LEVEL D ONLY

NOTE:
REINFORCEMENT MEMBERS
MUST BE SHIMMED TIGHT.

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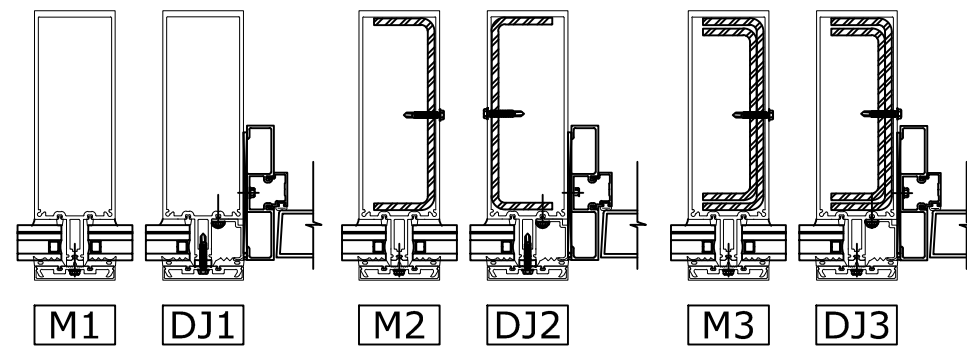
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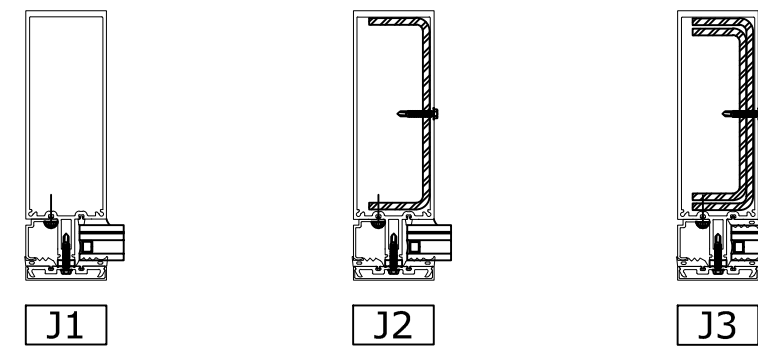
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		M1 - DJ1		M2 - DJ2		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
104	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	70	70	92	92	92	92
	78	70	70	92	92	92	92
	84	70	70	92	92	92	92
	90	70	70	92	92	92	92
	96	70	70	92	92	92	92
	99	-	-	92	92	92	92
108	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	70	70	92	92	92	92
	78	70	70	92	92	92	92
	84	70	70	92	92	92	92
	90	70	70	92	92	92	92
	96	-	-	92	92	92	92
	99	-	-	92	92	92	92
120	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	70	70	92	92	92	92
	78	70	70	92	92	92	92
	84	70	70	92	92	92	92
	90	-	-	92	92	92	92
	96	-	-	92	92	92	92
	99	-	-	92	92	92	92



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE		JAMB TYPE	
		J1		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
104	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	70	70	92	92	92	92
	42	70	70	92	92	92	92
	48	70	70	92	92	92	92
	51	70	70	92	92	92	92
108	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	70	70	92	92	92	92
	42	70	70	92	92	92	92
	48	70	70	92	92	92	92
	51	70	70	92	92	92	92
120	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	70	70	92	92	92	92
	42	70	70	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92



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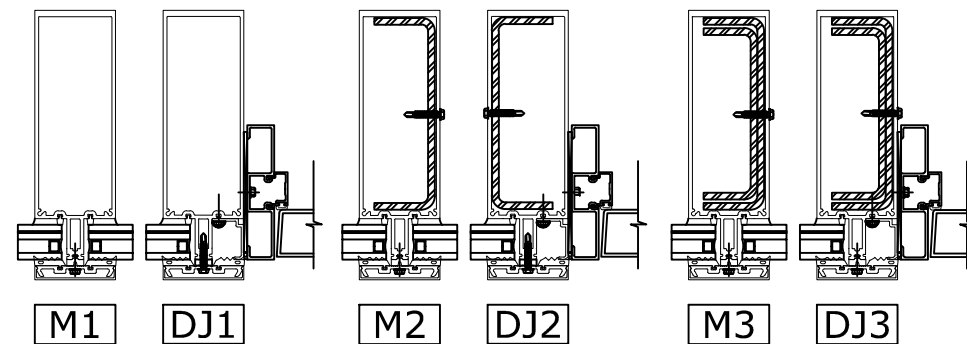
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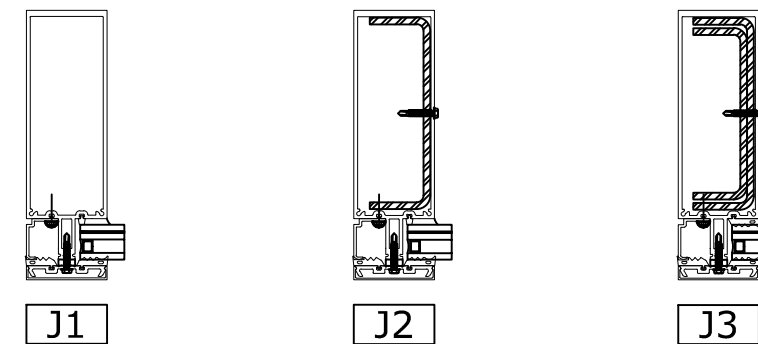
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		M1 - DJ1		M2 - DJ2		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
126	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	70	70	92	92	92	92
	78	70	70	92	92	92	92
	84	-	-	92	92	92	92
	90	-	-	92	92	92	92
	96	-	-	92	92	92	92
	99	-	-	-	-	92	92
138	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	70	70	92	92	92	92
	78	-	-	92	92	92	92
	84	-	-	92	92	92	92
	90	-	-	92	92	92	92
	96	-	-	92	92	92	92
	99	-	-	-	-	92	92
144	60	70	70	92	92	92	92
	66	70	70	92	92	92	92
	72	-	-	92	92	92	92
	78	-	-	92	92	92	92
	84	-	-	92	92	92	92
	90	-	-	92	92	92	92
	96	-	-	92	92	92	92
	99	-	-	-	-	92	92



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE		JAMB TYPE	
		J1		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
126	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	70	70	92	92	92	92
	42	70	70	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
138	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	70	70	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
144	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92



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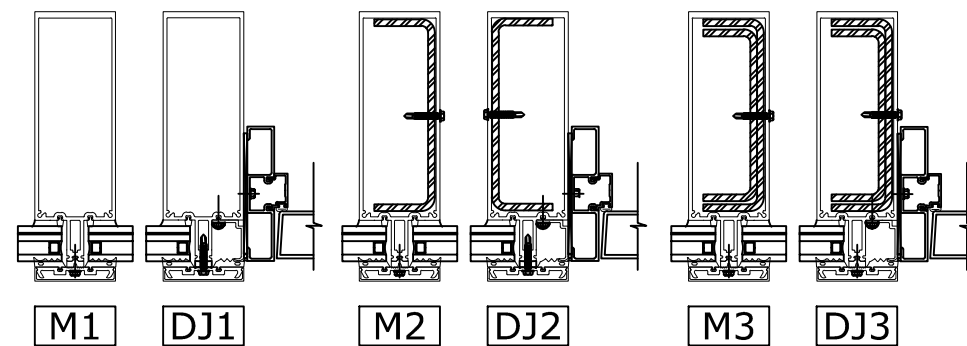
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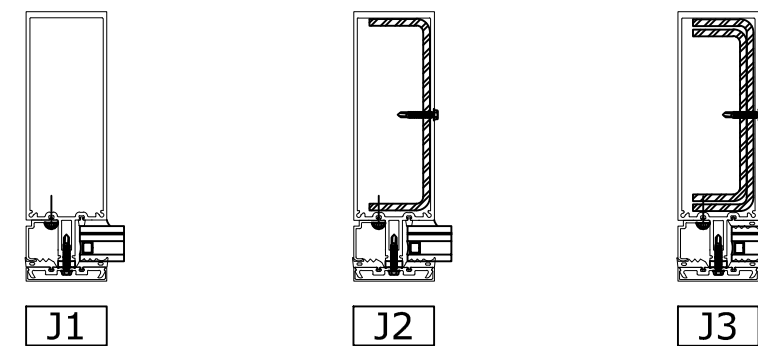
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1 - DJ1		MULLION TYPE M2 - DJ2		MULLION TYPE M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
156	60	70	70	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	92	92	92	92
	78	-	-	92	92	92	92
	84	-	-	92	92	92	92
	90	-	-	92	92	92	92
	96	-	-	-	-	92	92
	99	-	-	-	-	92	92
162	60	70	70	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	92	92	92	92
	78	-	-	92	92	92	92
	84	-	-	92	92	92	92
	90	-	-	-	-	92	92
	96	-	-	-	-	92	92
	99	-	-	-	-	90	90
168	60	70*	70*	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	92	92	92	92
	78	-	-	92	92	92	92
	84	-	-	-	-	92	92
	90	-	-	-	-	91	91
	96	-	-	-	-	87	87
	99	-	-	-	-	-	-



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE J1		JAMB TYPE J2		JAMB TYPE J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
156	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
162	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70	70	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
168	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70*	70*	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92



* MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 1 HORIZONTALS FOR LATERAL BRACING PURPOSES.
 ** MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 2 HORIZONTALS FOR LATERAL BRACING PURPOSES.

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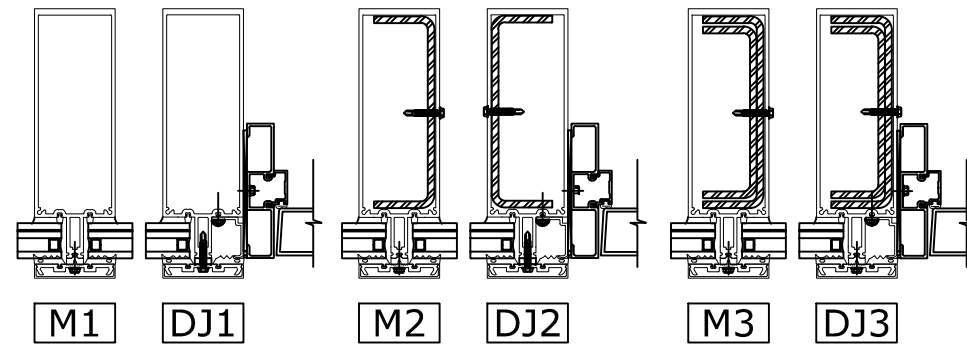
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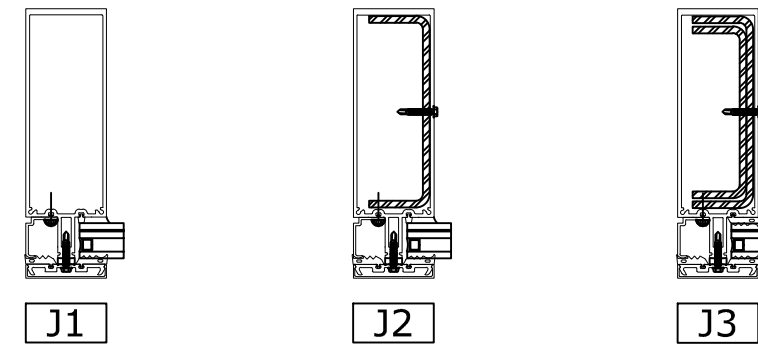
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1 - DJ1		MULLION TYPE M2 - DJ2		MULLION TYPE M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
171	60	70*	70*	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	92	92	92	92
	78	-	-	-	-	92	92
	84	-	-	-	-	92	92
	90	-	-	-	-	88	88
	96	-	-	-	-	-	-
	99	-	-	-	-	-	-
180	60	-	-	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	-	-	92	92
	78	-	-	-	-	92	92
	84	-	-	-	-	86	86
	90	-	-	-	-	82	82
	96	-	-	-	-	-	-
	99	-	-	-	-	-	-
186	60	-	-	92	92	92	92
	66	-	-	92	92	92	92
	72	-	-	-	-	92	92
	78	-	-	-	-	92	92
	84	-	-	-	-	83	83
	90	-	-	-	-	-	-
	96	-	-	-	-	-	-
	99	-	-	-	-	-	-



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE J1		JAMB TYPE J2		JAMB TYPE J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
171	12	70	70	92	92	92	92
	18	70	70	92	92	92	92
	24	70	70	92	92	92	92
	31-1/2	70*	70*	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
180	12	-	-	92	92	92	92
	18	-	-	92	92	92	92
	24	-	-	92	92	92	92
	31-1/2	-	-	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92
186	12	-	-	92	92	92	92
	18	-	-	92	92	92	92
	24	-	-	92	92	92	92
	31-1/2	-	-	92	92	92	92
	36	-	-	92	92	92	92
	42	-	-	92	92	92	92
	48	-	-	92	92	92	92
	51	-	-	92	92	92	92



* MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 1 HORIZONTALS FOR LATERAL BRACING PURPOSES.
 ** MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 2 HORIZONTALS FOR LATERAL BRACING PURPOSES.

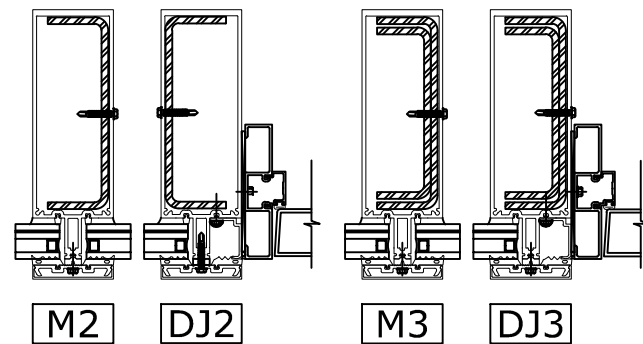
DRWN	CHKD	DATE
JEM	AJP	08/21/20
TAE	AJP	03/17/21

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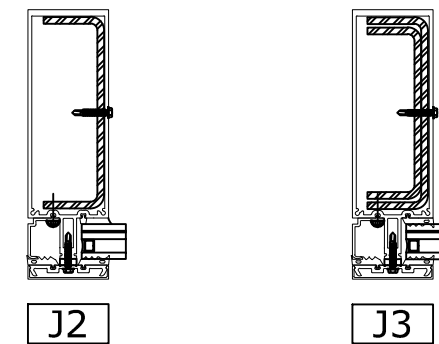
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE		MULLION TYPE	
		M2 - DJ2		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
192	60	92*	92*	92	92
	66	-	-	92	92
	72	-	-	92	92
	78	-	-	92*	92*
	84	-	-	80*	80*
	90	-	-	-	-
	96	-	-	-	-
	99	-	-	-	-
198	60	92*	92*	92	92
	66	-	-	92	92
	72	-	-	92	92
	78	-	-	92*	92*
	84	-	-	76*	76*
	90	-	-	-	-
	96	-	-	-	-
	99	-	-	-	-
201	60	92*	92*	92	92
	66	-	-	92	92
	72	-	-	92	92
	78	-	-	92**	92**
	84	-	-	75**	75**
	90	-	-	-	-
	96	-	-	-	-
	99	-	-	-	-

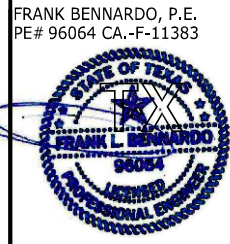


MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE	
		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
192	12	92	92	92	92
	18	92	92	92	92
	24	92	92	92	92
	31-1/2	92*	92*	92*	92*
	36	92*	92*	92*	92*
	42	92*	92*	92*	92*
	48	92*	92*	92*	92*
	51	92*	92*	92*	92*
	198	12	92	92	92
18		92	92	92	92
24		92	92	92	92
31-1/2		92*	92*	92*	92*
36		92*	92*	92*	92*
42		92*	92*	92*	92*
48		92*	92*	92*	92*
51		92*	92*	92*	92*
201		12	92	92	92
	18	92	92	92	92
	24	92	92	92	92
	31-1/2	92*	92*	92**	92**
	36	92*	92*	92**	92**
	42	92*	92*	92**	92**
	48	92*	92*	92**	92**
	51	92*	92*	92**	92**



* MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 1 HORIZONTALS FOR LATERAL BRACING PURPOSES.
 ** MULLION/JAMB SHALL BE IN INSTALLED WITH A MINIMUM OF 2 HORIZONTALS FOR LATERAL BRACING PURPOSES.



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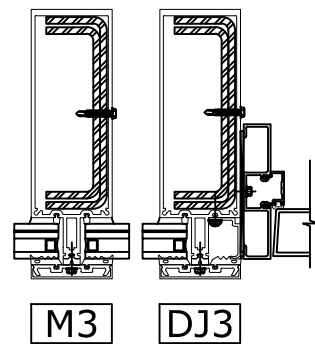
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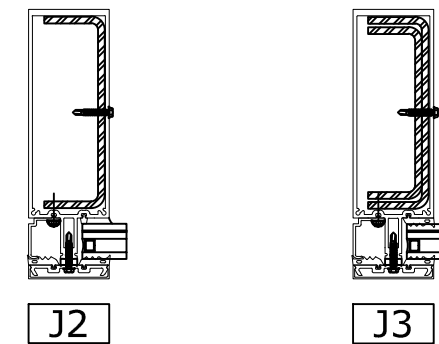
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE	
		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
204	60	80	80
	66	80**	80**
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-
210	60	80	80
	66	80**	80**
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-
216	60	80	80
	66	80**	80**
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE	
		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
204	12	80	80	80	80
	18	80	80	80	80
	24	80	80	80	80
	31-1/2	80**	80**	80**	80**
	36	80**	80**	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-
210	12	80	80	80	80
	18	80	80	80	80
	24	80	80	80	80
	31-1/2	80**	80**	80**	80**
	36	80**	80**	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-
216	12	80	80	80	80
	18	80	80	80	80
	24	80	80	80	80
	31-1/2	80**	80**	80**	80**
	36	-	-	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-



** MULLION/JAMB SHALL BE INSTALLED WITH A MINIMUM OF 2 HORIZONTALS FOR LATERAL BRACING PURPOSES.



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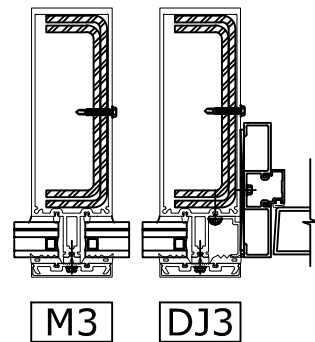
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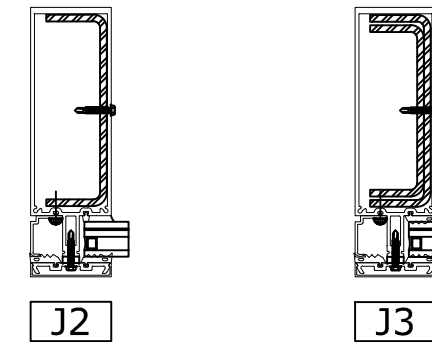
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE	
		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
222	60	80**	80**
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-
228	60	80**	80**
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-
234	60	80**	80**
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE	
		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
222	12	80	80	80	80
	18	80	80	80	80
	24	80**	80**	80**	80**
	31-1/2	80**	80**	80**	80**
	36	-	-	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-
228	12	80	80	80	80
	18	80	80	80	80
	24	80**	80**	80**	80**
	31-1/2	80**	80**	80**	80**
	36	-	-	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-
234	12	80	80	80	80
	18	80	80	80	80
	24	80**	80**	80**	80**
	31-1/2	80**	80**	80**	80**
	36	-	-	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-



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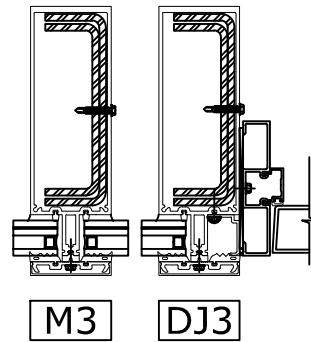
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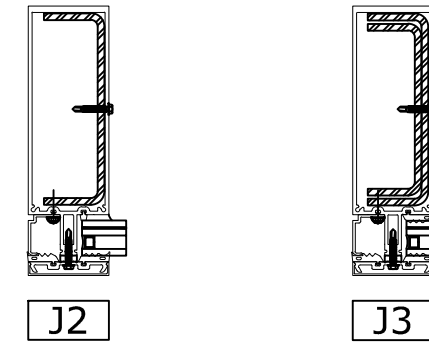
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE	
		M3 - DJ3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
240	60	80**	80**
	66	-	-
	72	-	-
	78	-	-
	84	-	-
	90	-	-
	96	-	-
	99	-	-



MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD JAMBS

SINGLE SPAN JAMB LOADING CHART		JAMB TYPE		JAMB TYPE	
		J2		J3	
FRAME HEIGHT (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
240	12	80	80	80	80
	18	80	80	80	80
	24	80**	80**	80**	80**
	31-1/2	80**	80**	80**	80**
	36	-	-	80**	80**
	42	-	-	-	-
	48	-	-	-	-
	51	-	-	-	-



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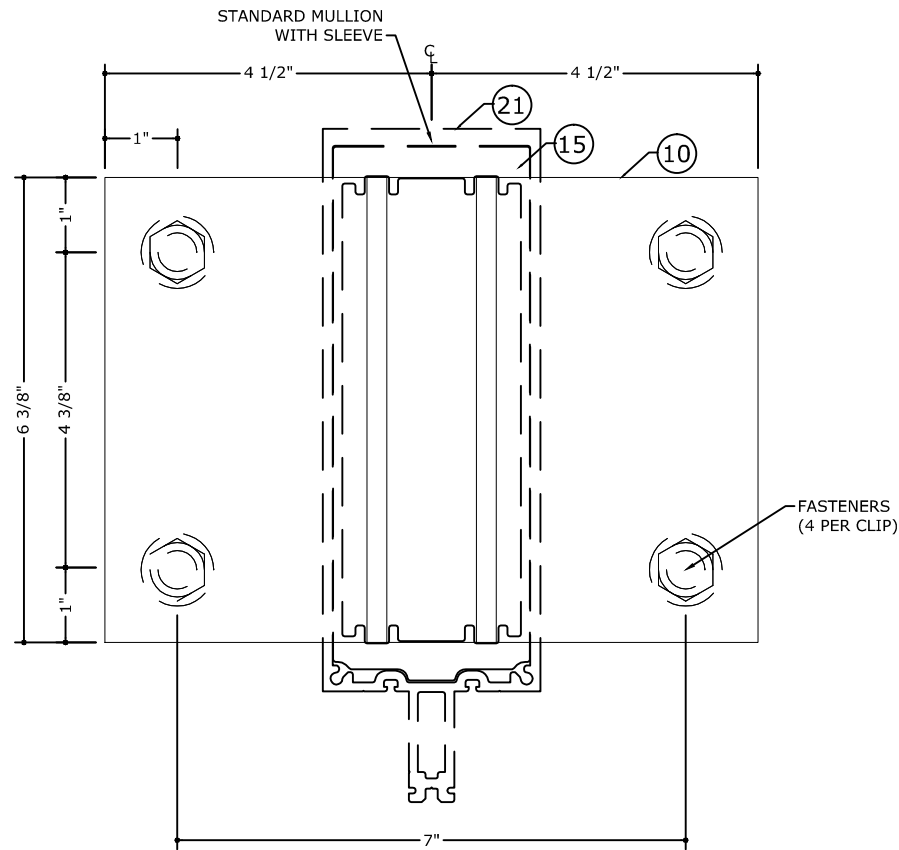
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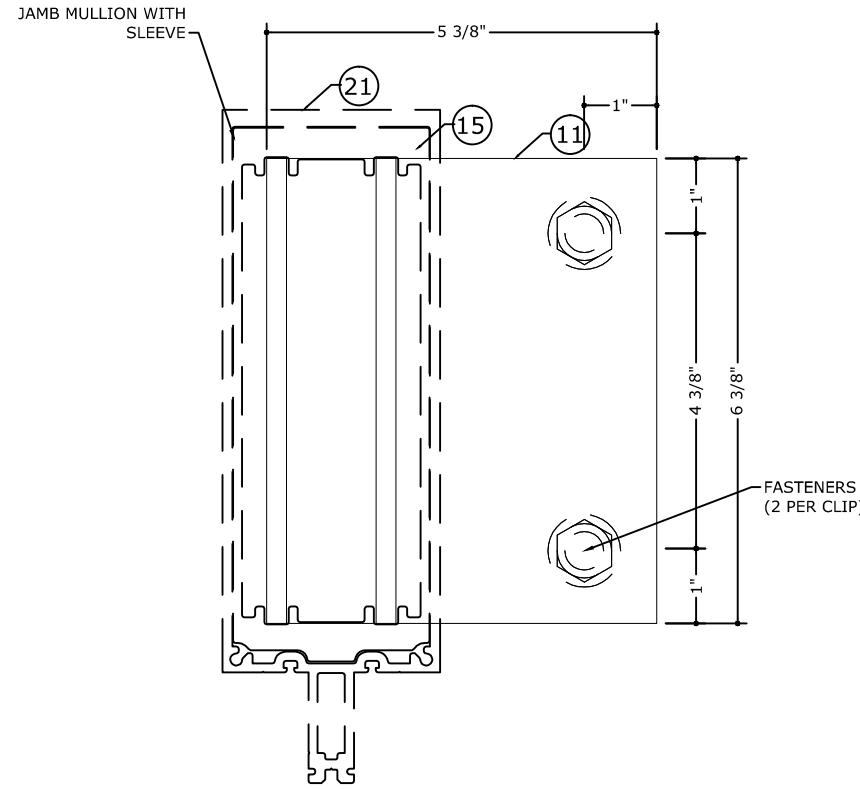
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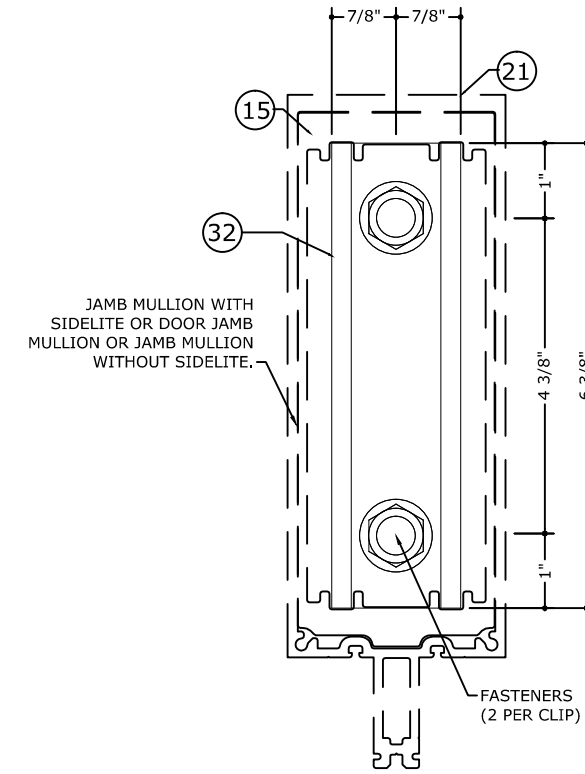
HEAD & SILL STANDARD MULLION CONNECTIONS



"T" ANCHOR/SLEEVE CONNECTION DETAIL FOR ANCHORS TYPE "A" OR "B"



"F" ANCHOR/SLEEVE CONNECTION DETAIL FOR ANCHORS TYPE "D" OR "G"

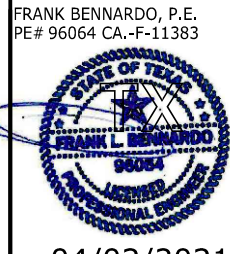


"U" ANCHOR CONNECTION DETAIL FOR ANCHORS TYPE "F"

FASTENER TYPES

- A - 1/2" Ø HILTI KWIK HUS-H SCREW ANCHOR WITH 3" MIN. EMBEDMENT INTO 6" MIN. THICK POURED CONCRETE (MIN. f'c=3 ksi.) BEYOND ANY FINISH MATERIAL WITH 3 3/4" MIN. EDGE DISTANCE. 92 P.S.F.*
- B - 1/2" Ø -13 TYPE "F" GRADE 5 BOLT TO 1/4" MIN. THICK ASTM A-36 STEEL WITH 1" MIN. EDGE DISTANCE. 92 P.S.F.*
- D - 1/2" Ø -13 TYPE "F" GRADE 5 BOLT TO 1/4" MIN. THICK ASTM A-36 STEEL WITH 1" MIN. EDGE DISTANCE 92 P.S.F.*
- F - 1/2" Ø DEWALT FASTENERS SCREW-BOLT WITH 4" MIN. EMBEDMENT INTO 6" MIN. THICK POURED CONCRETE (f'c=3 Ksi.) BEYOND ANY FINISH MATERIAL WITH 5 1/2" MIN. EDGE DISTANCE. 80 P.S.F. (FOR DOOR JAMBS)*
92 P.S.F. (FOR NON-DOOR JAMBS)*
- G - 3/4" Ø DEWALT FASTENERS SCREW-BOLT WITH 5 1/2" MIN. EMBEDMENT INTO 6 1/2" MIN. THICK POURED CONCRETE (f'c=3 Ksi.) BEYOND ANY FINISH MATERIAL WITH 7 1/2" MIN. EDGE DISTANCE. 92 P.S.F.*

***NOTE:**
FOR SPANS LISTED ON MULLION/GLASS TABLES LIMITED TO MULLION/GLASS DESIGN PRESSURE.



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HEAD CONNECTION DETAILS (WET AND DRY GLAZED)

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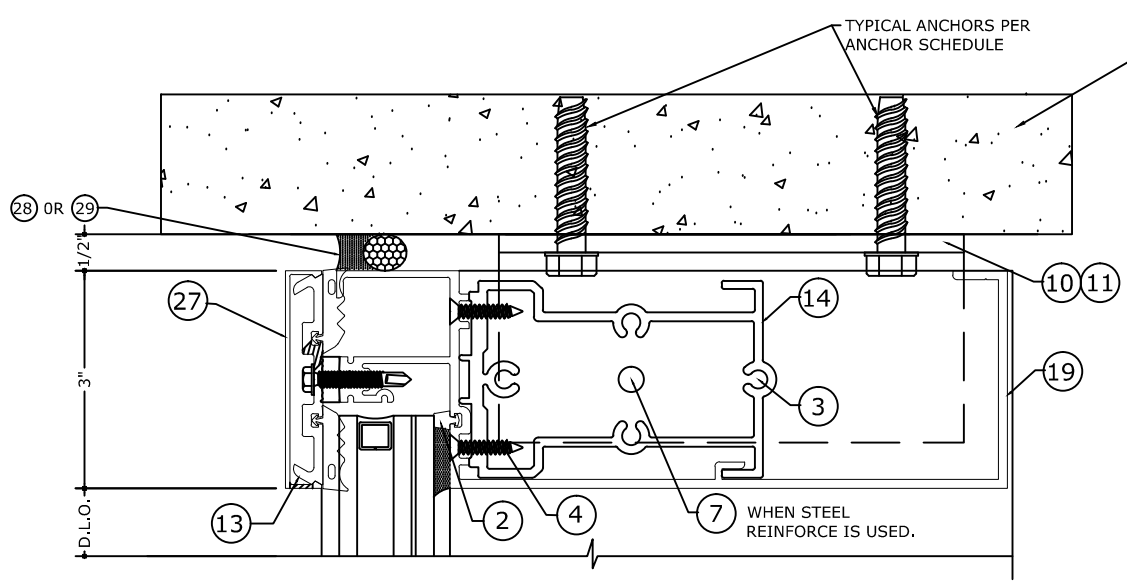
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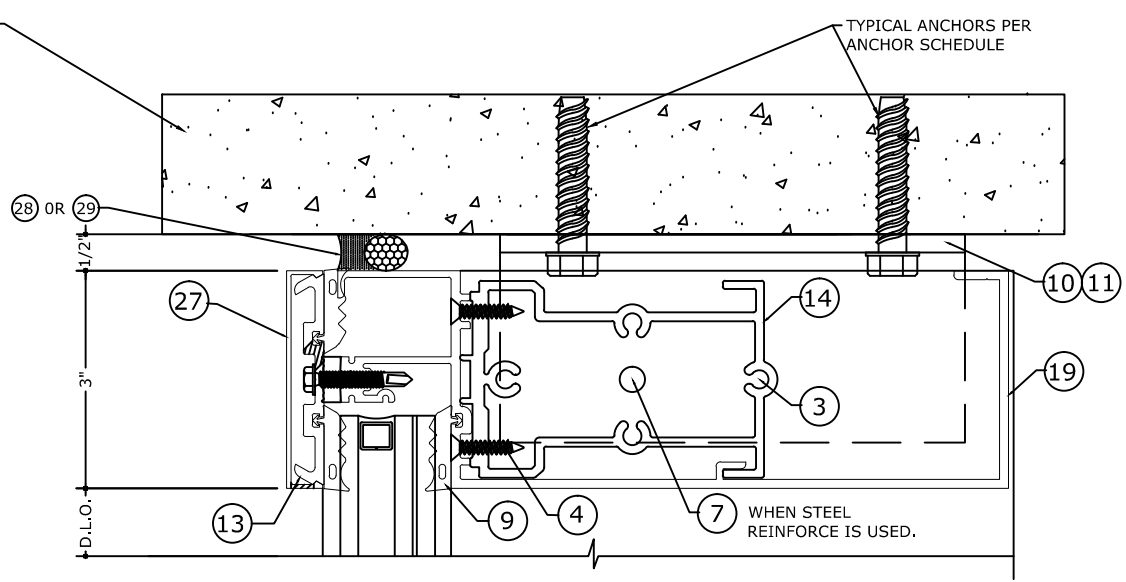
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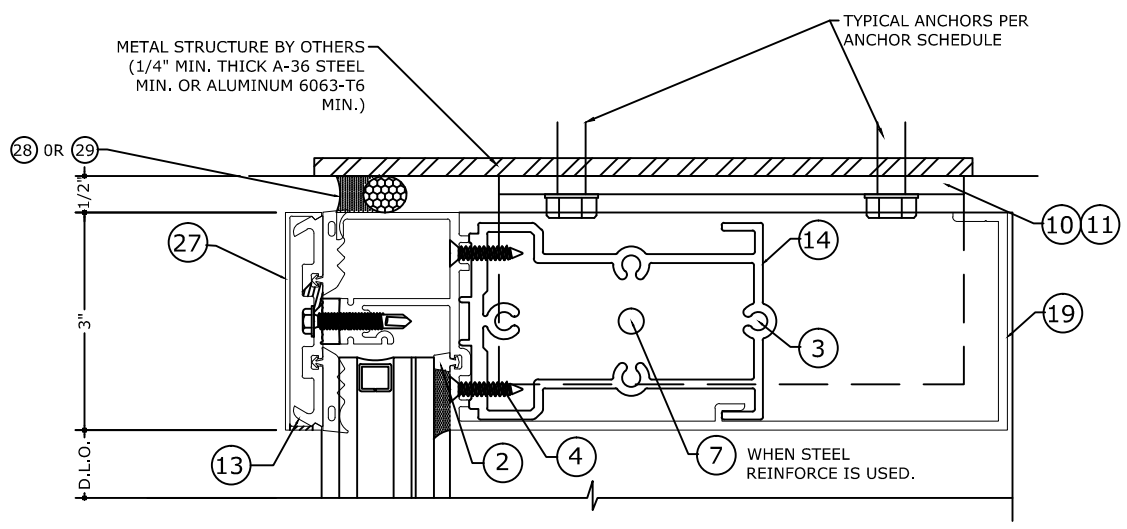
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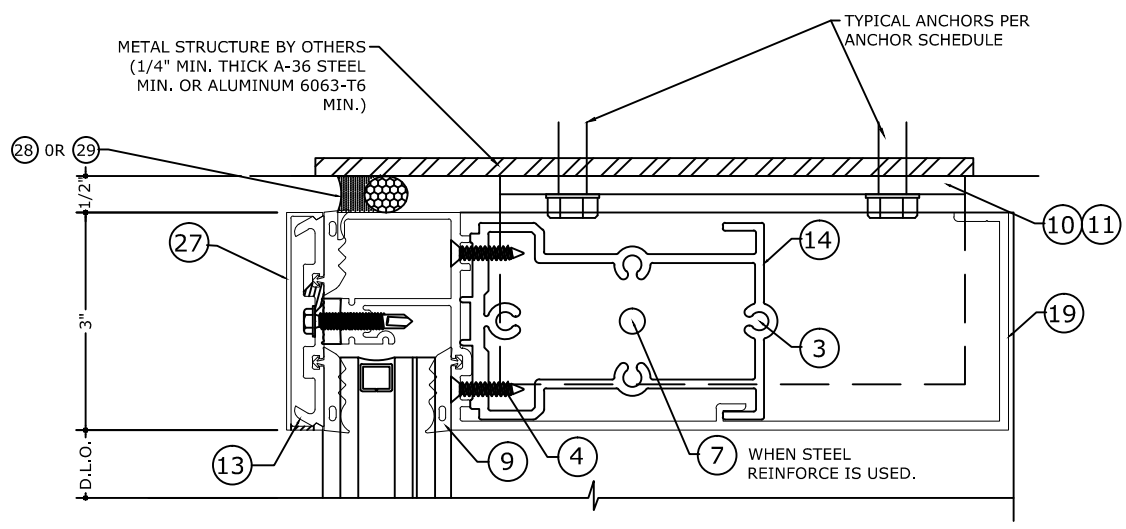
1 HEAD DETAIL (WET GLAZED)



1.1 HEAD DETAIL (DRY GLAZED)



1.2 HEAD DETAIL (WET GLAZED)



1.3 HEAD DETAIL (DRY GLAZED)

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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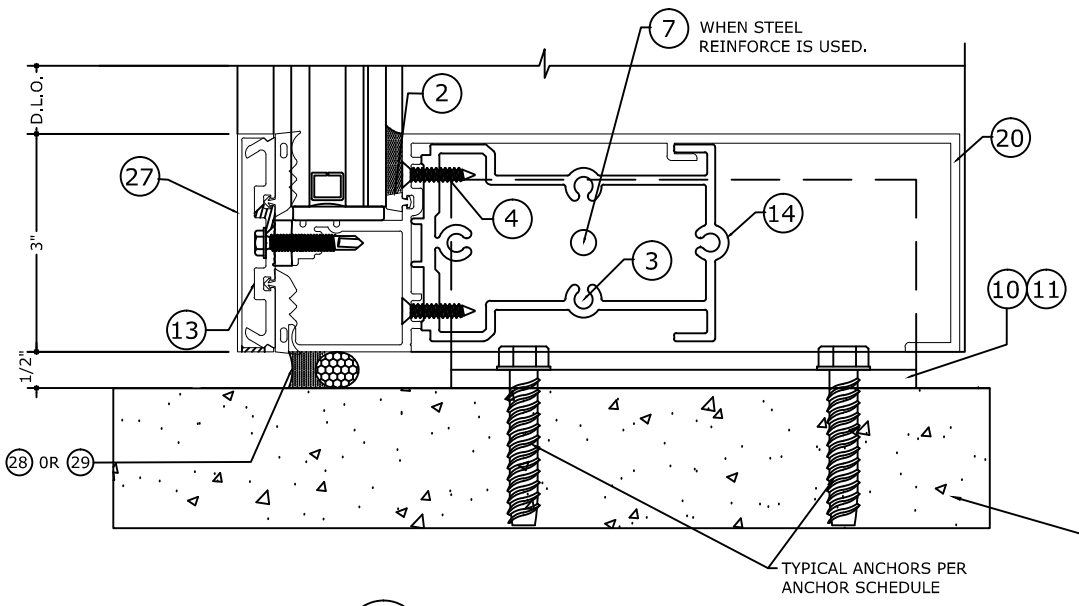
SILL CONNECTION DETAILS (WET AND DRY GLAZED)

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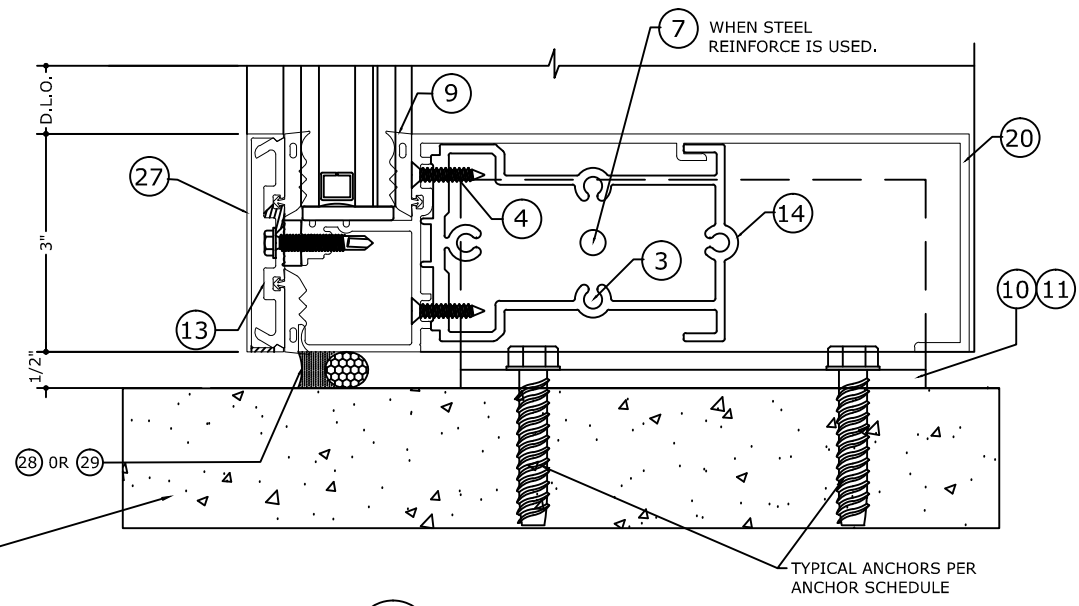


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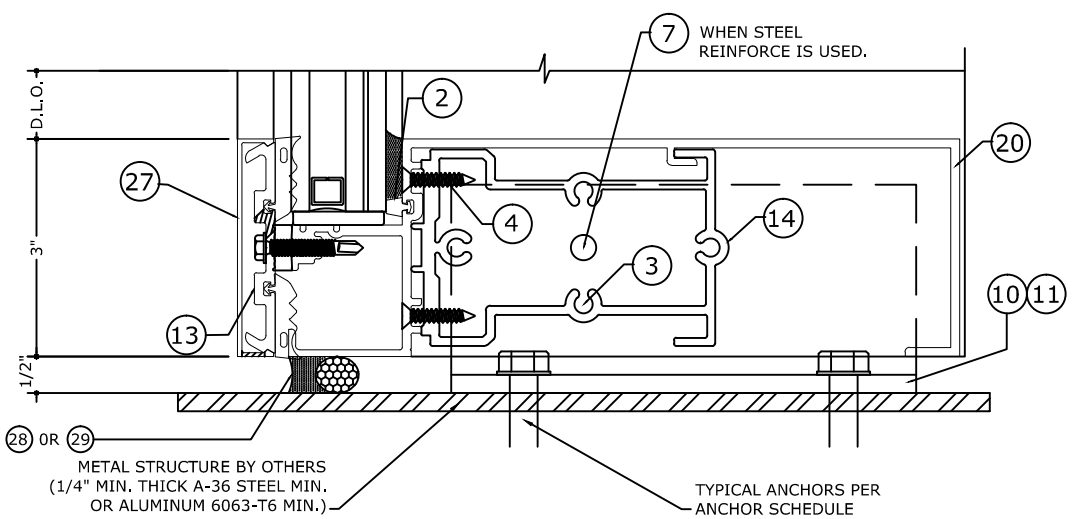
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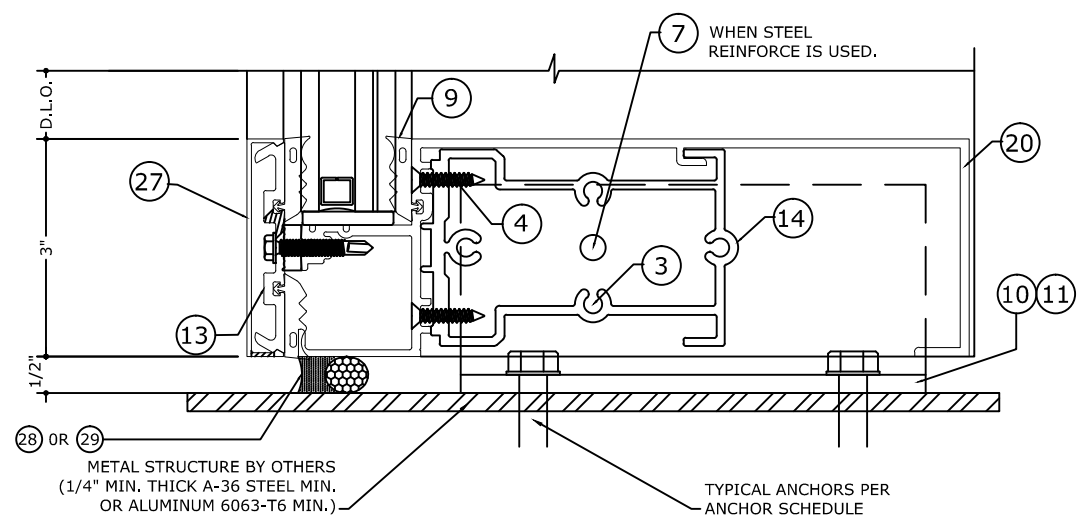
2 SILL DETAIL



2.1 SILL DETAIL



2.2 SILL DETAIL



2.3 SILL DETAIL

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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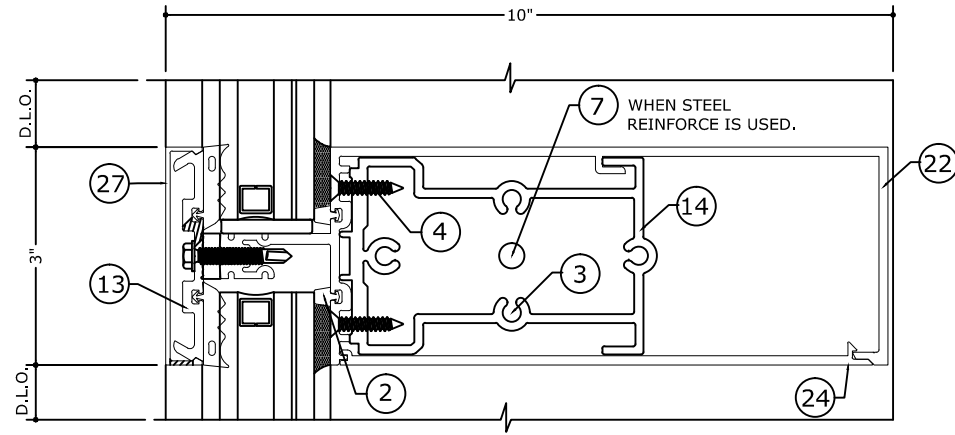
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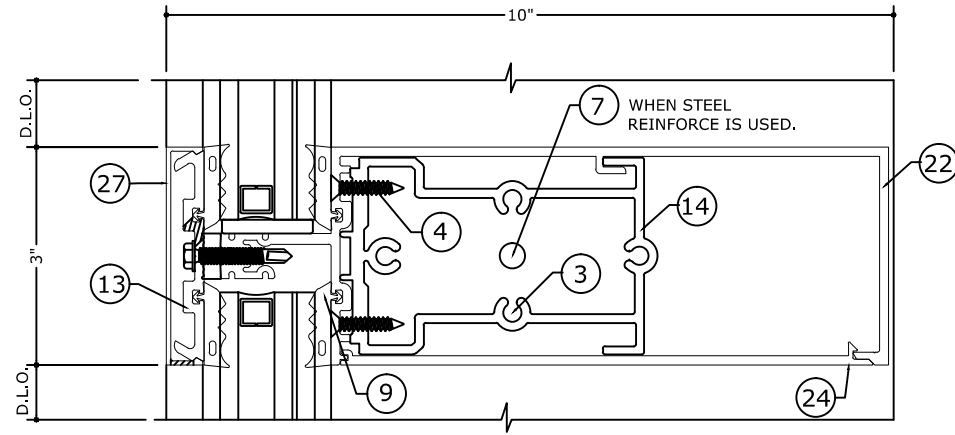
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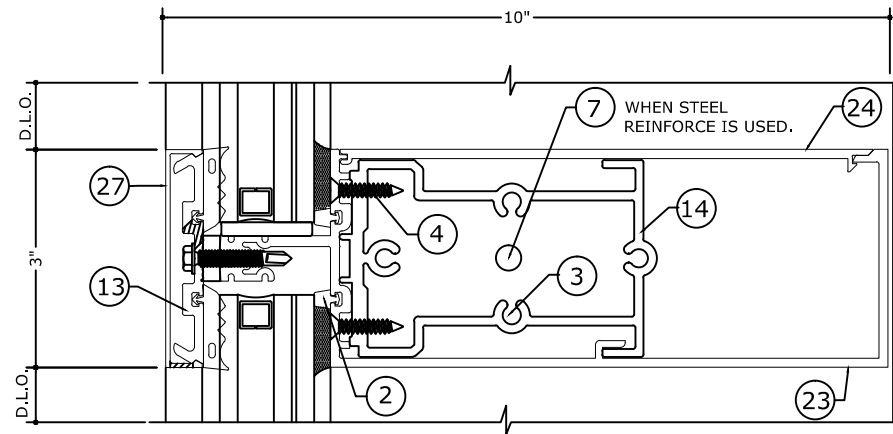
HORIZONTAL CONNECTION DETAILS (WET AND DRY GLAZED)



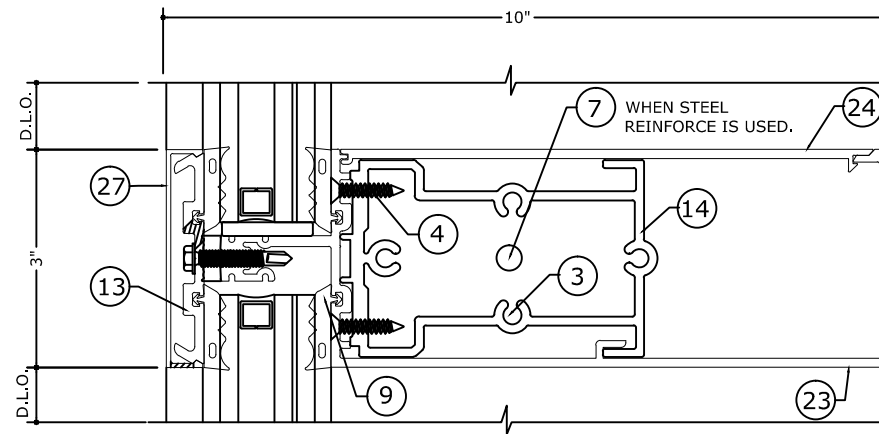
3 INTERMEDIATE HORIZONTAL DETAIL (ROLL OVER)
NOTE: LIMITED TO 57" IN LENGTH. MISSILE LEVEL D OR E.



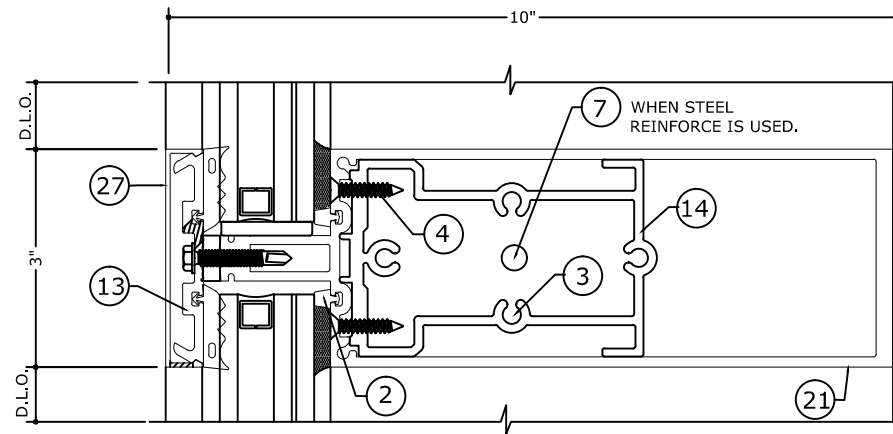
3.1 INTERMEDIATE HORIZONTAL DETAIL (ROLL OVER)
NOTE: LIMITED TO 57" IN LENGTH. MISSILE LEVEL D OR E.



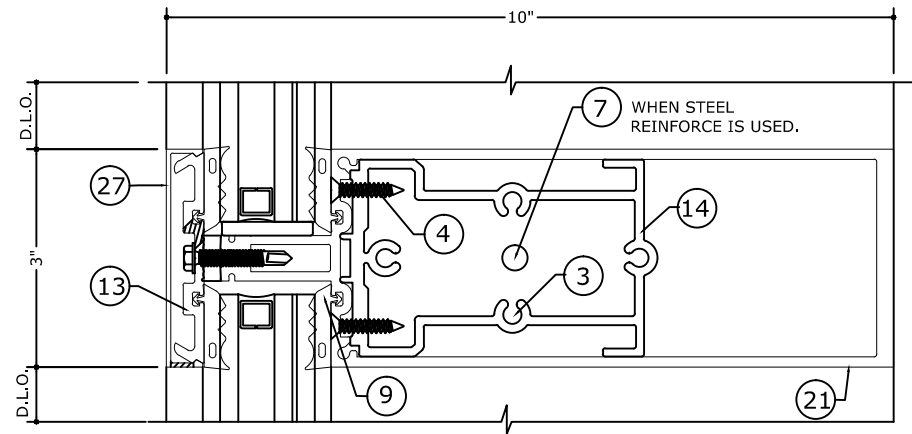
3.2 INTERMEDIATE HORIZONTAL DETAIL (ROLL UNDER)
NOTE: LIMITED TO 57" IN LENGTH. MISSILE LEVEL D OR E.



3.3 INTERMEDIATE HORIZONTAL DETAIL (ROLL UNDER)
NOTE: LIMITED TO 57" IN LENGTH. MISSILE LEVEL D OR E.



3.4 INTERMEDIATE HORIZONTAL DETAIL
NOTE: LIMITED TO 96" IN LENGTH. MISSILE LEVEL D OR E.



3.5 INTERMEDIATE HORIZONTAL DETAIL
NOTE: LIMITED TO 57" IN LENGTH. MISSILE LEVEL D OR E.

NOTE: REFER TO SYSTEM ELEVATION ON PAGE 02 FOR LENGTH LIMITATIONS ON HORIZONTAL MULLIONS.

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.



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SILL & HEAD ANCHOR DETAILS FOR JAMB & STANDARD MULLIONS (WET AND DRY GLAZED)

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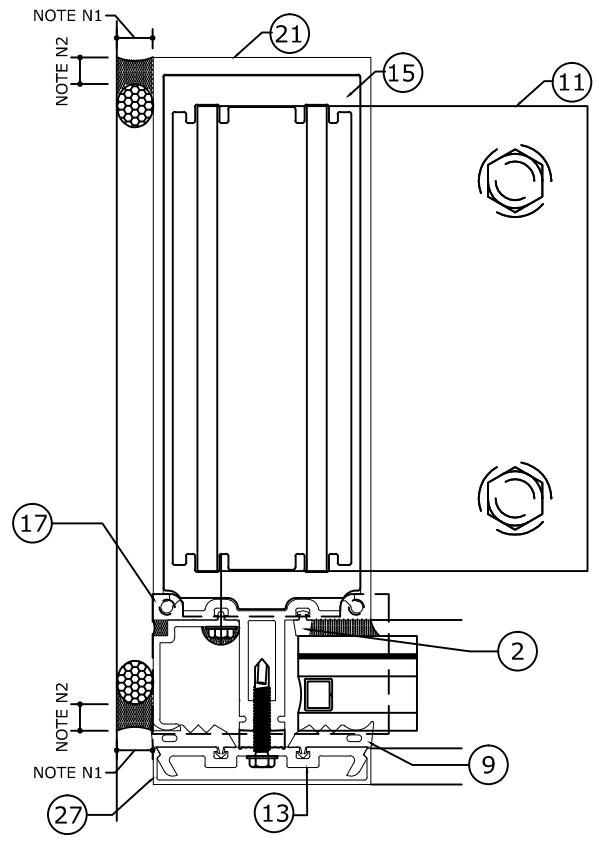
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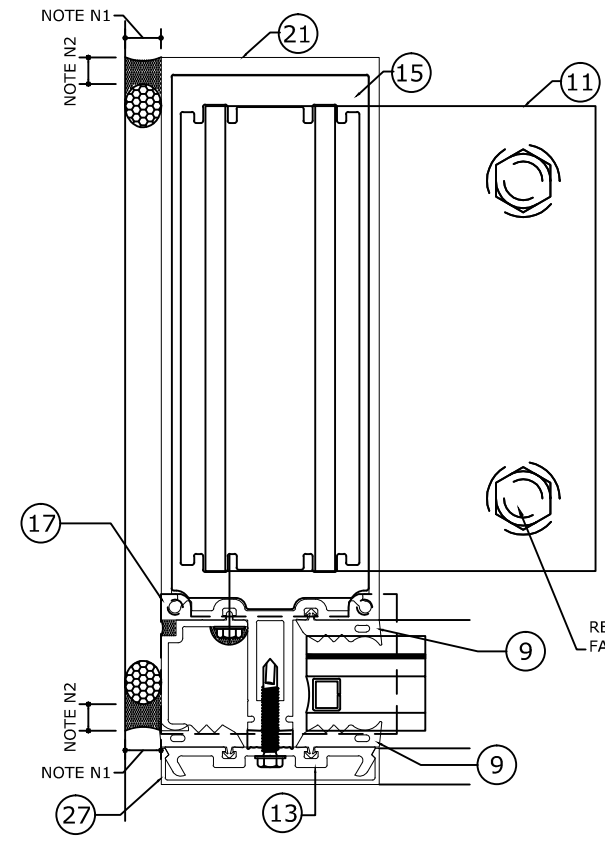
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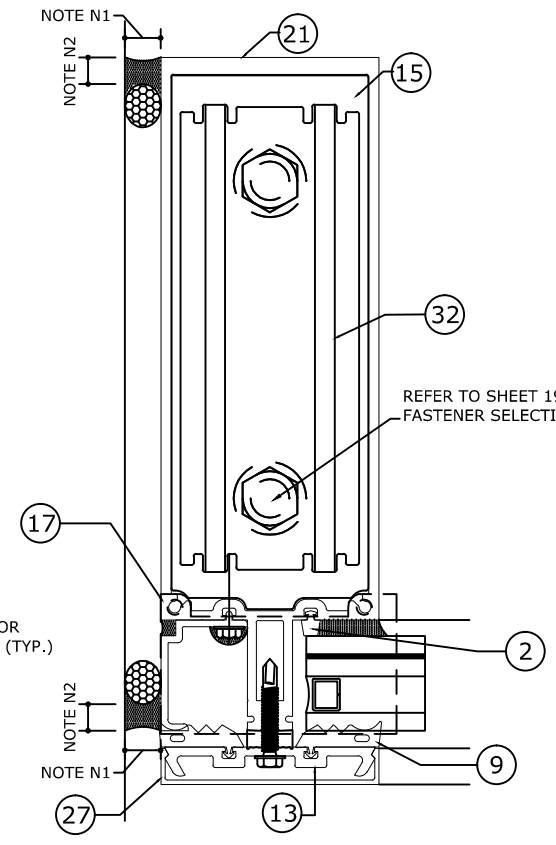
23 OF 37



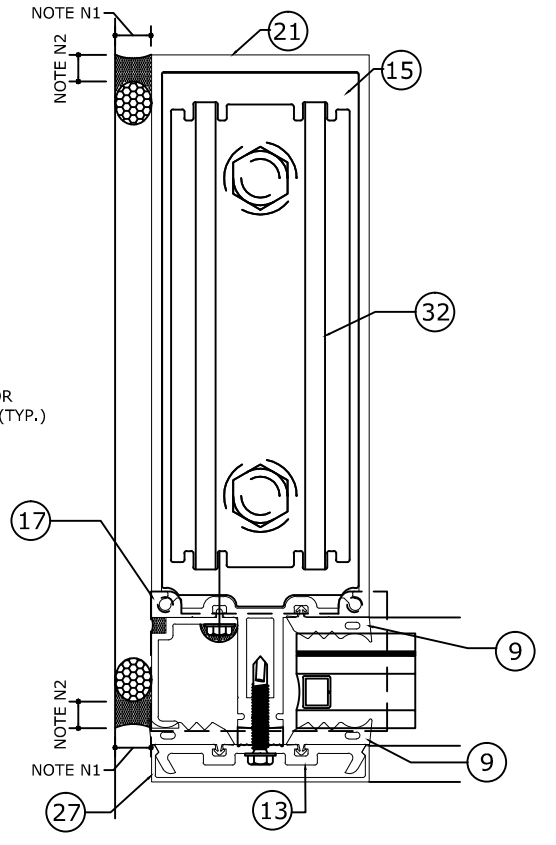
4 JAMB DETAIL



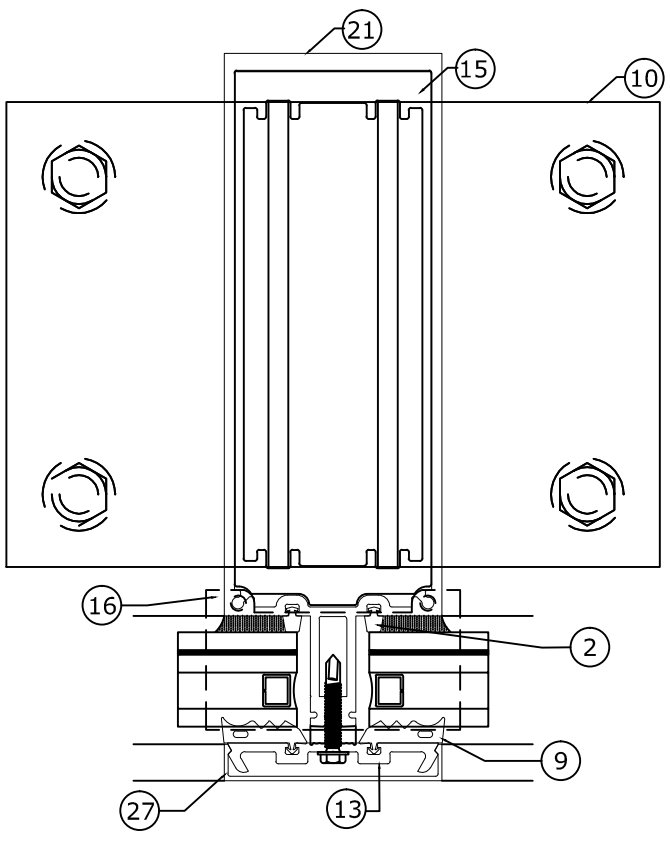
4.1 JAMB DETAIL



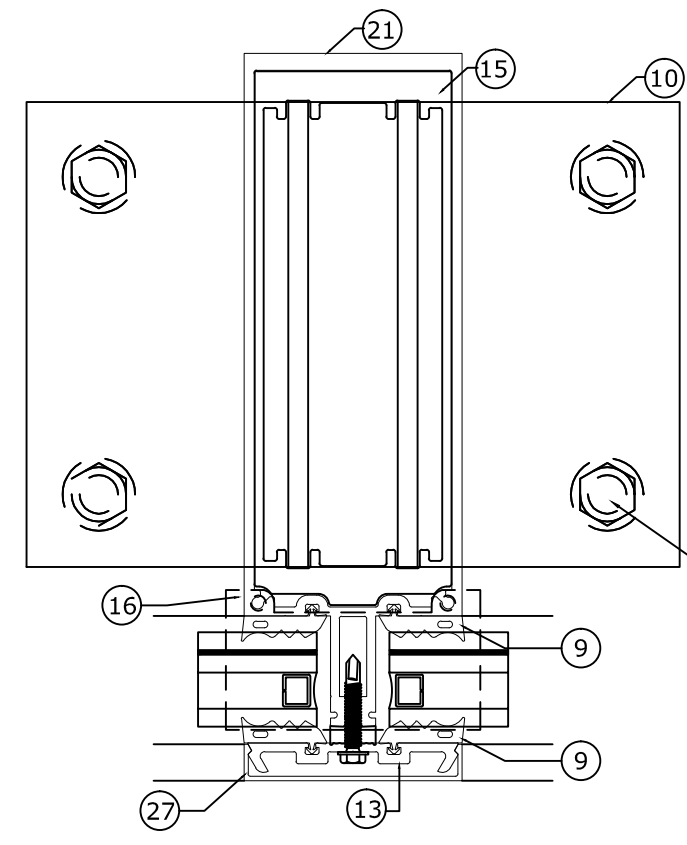
4.2 JAMB DETAIL



4.3 JAMB DETAIL



5 STD MULLION



5.1 STD MULLION

SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT WITH SEALANT (28) OR (30)

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30)

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

REFER TO SHEET 19 FOR FASTENER SELECTION (TYP.)

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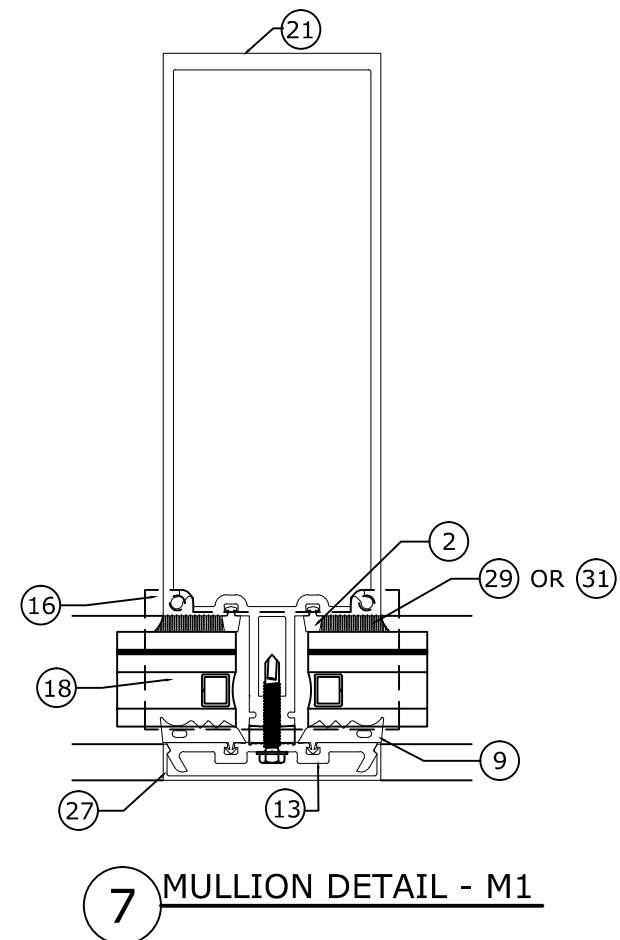
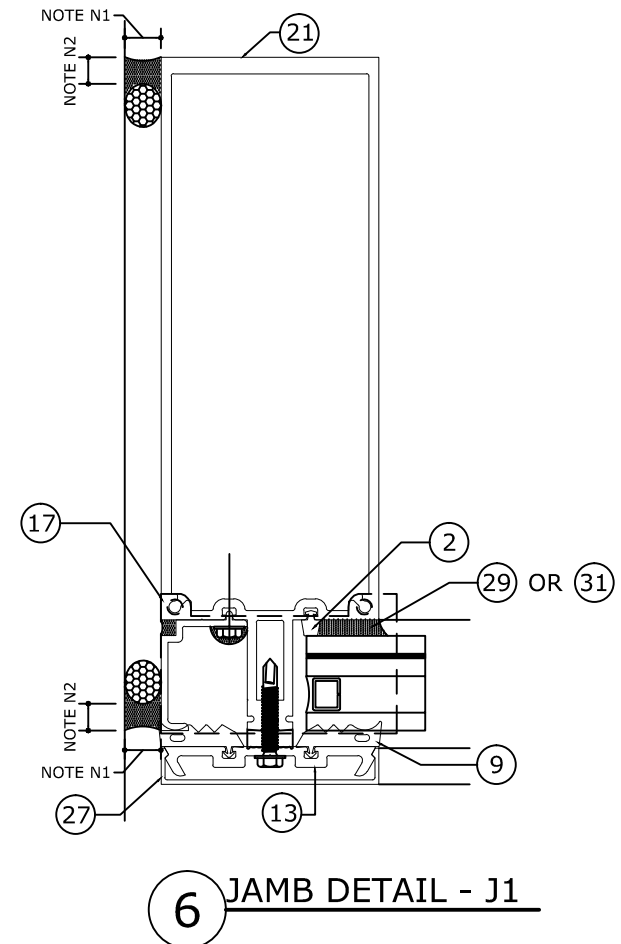
UNREINFORCED JAMB AND STANDARD MULLION (WET GLAZE ONLY)

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SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT WITH SEALANT (28) OR (30).

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30).

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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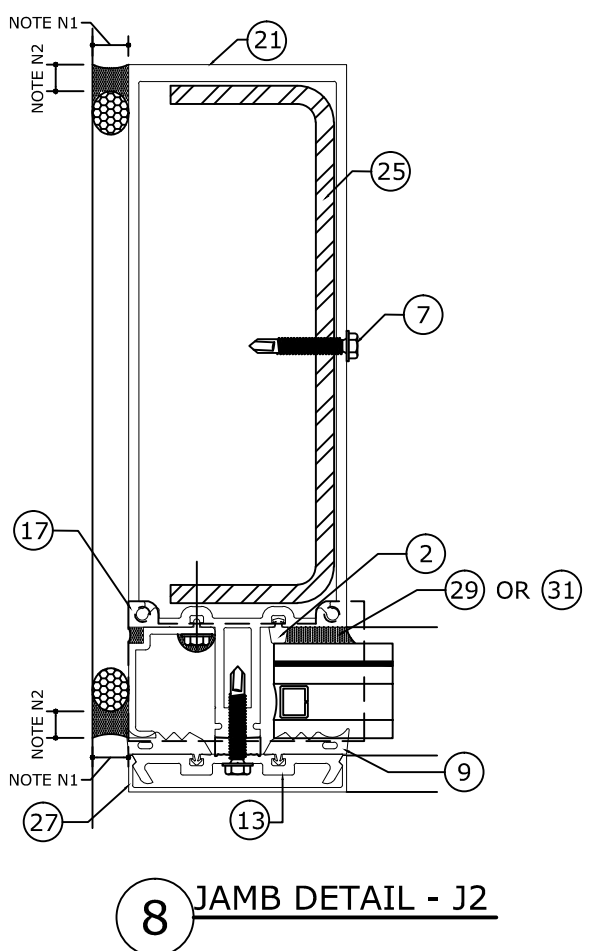
REINFORCED JAMB AND STANDARD MULLION (WET AND DRY GLAZE)

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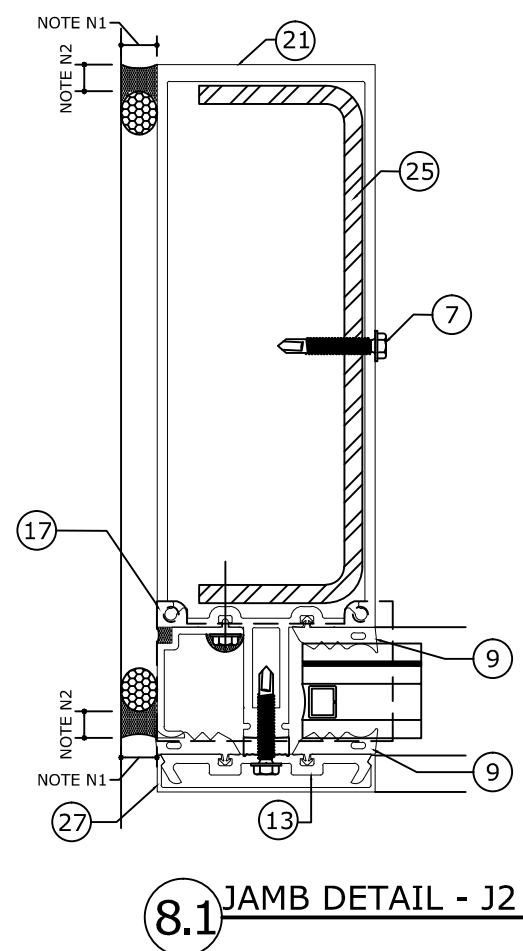


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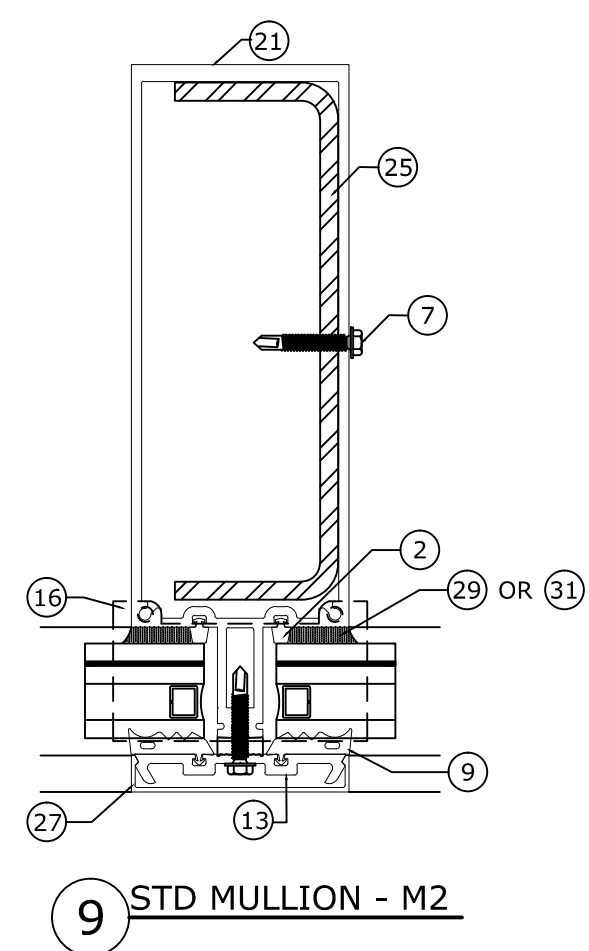
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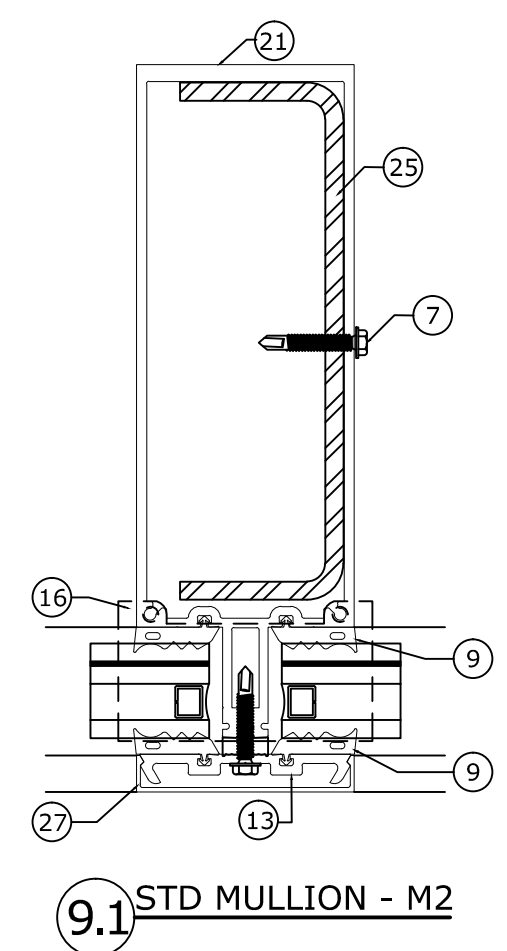
8 JAMB DETAIL - J2



8.1 JAMB DETAIL - J2



9 STD MULLION - M2



9.1 STD MULLION - M2

SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT WITH SEALANT (28) OR (30)

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30)

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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DOUBLY REINFORCED JAMB AND STANDARD MULLION (WET AND DRY GLAZE)

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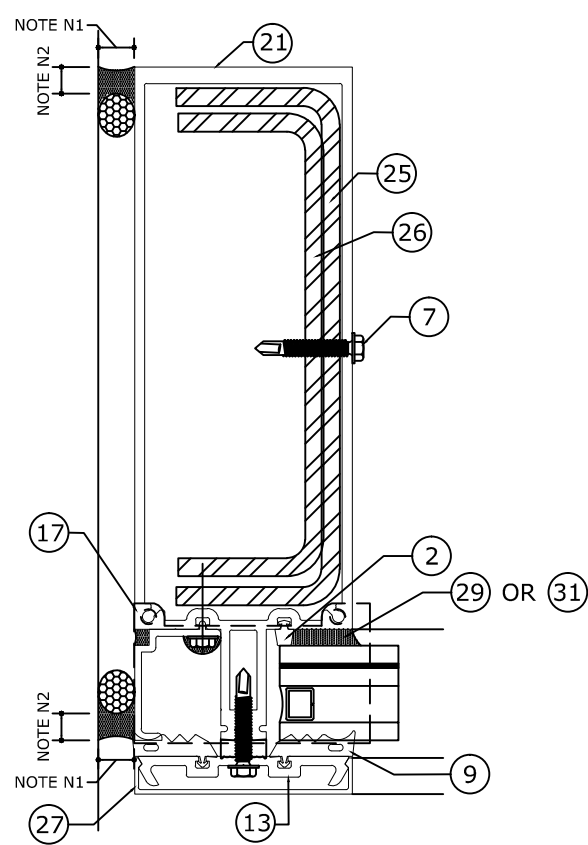
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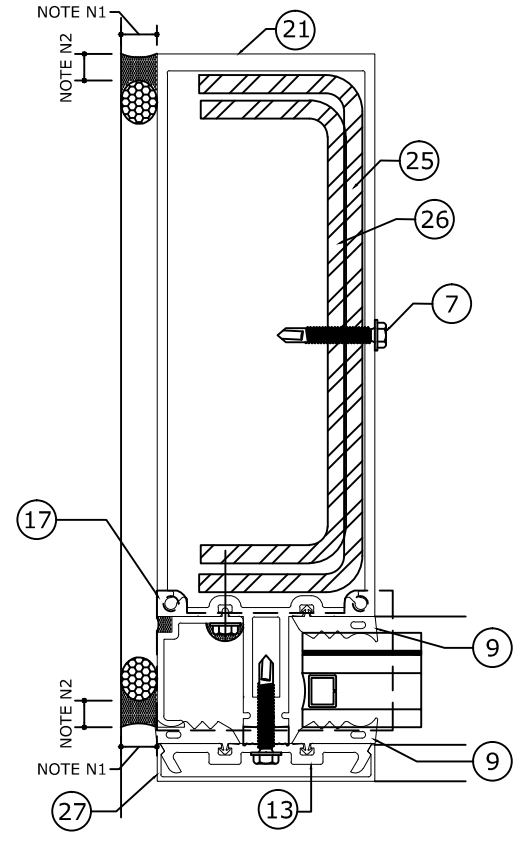
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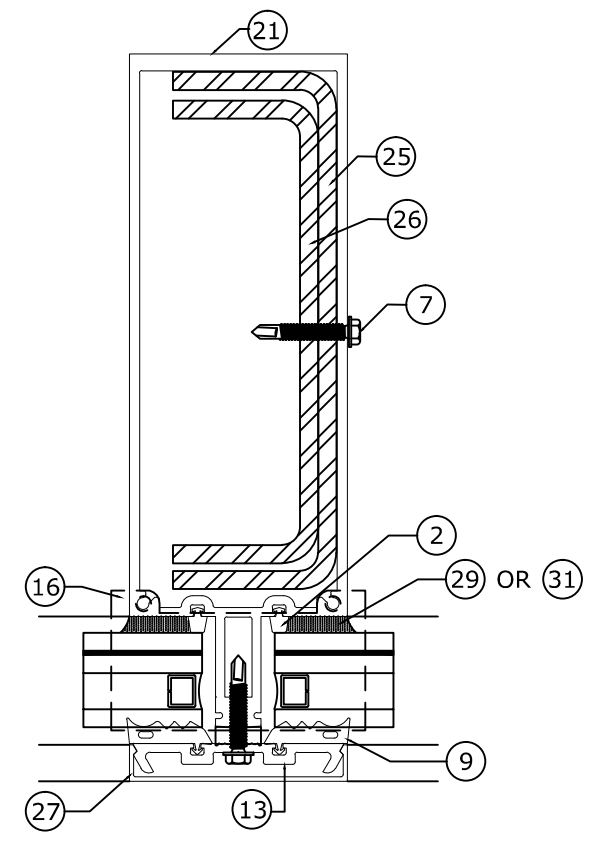
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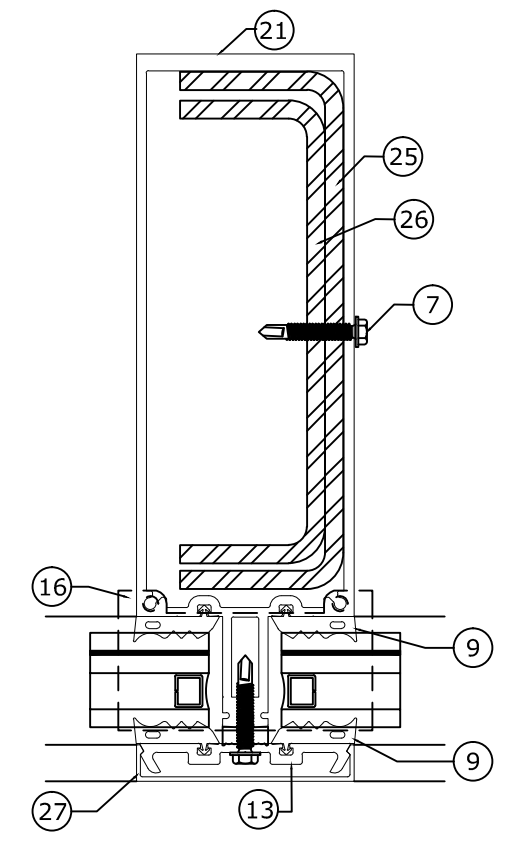
9.2 JAMB DETAIL - J3



9.3 JAMB DETAIL - J3



9.4 STD MULLION - M3



9.5 STD MULLION - M3

SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT WITH SEALANT (28) OR (30).

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30).

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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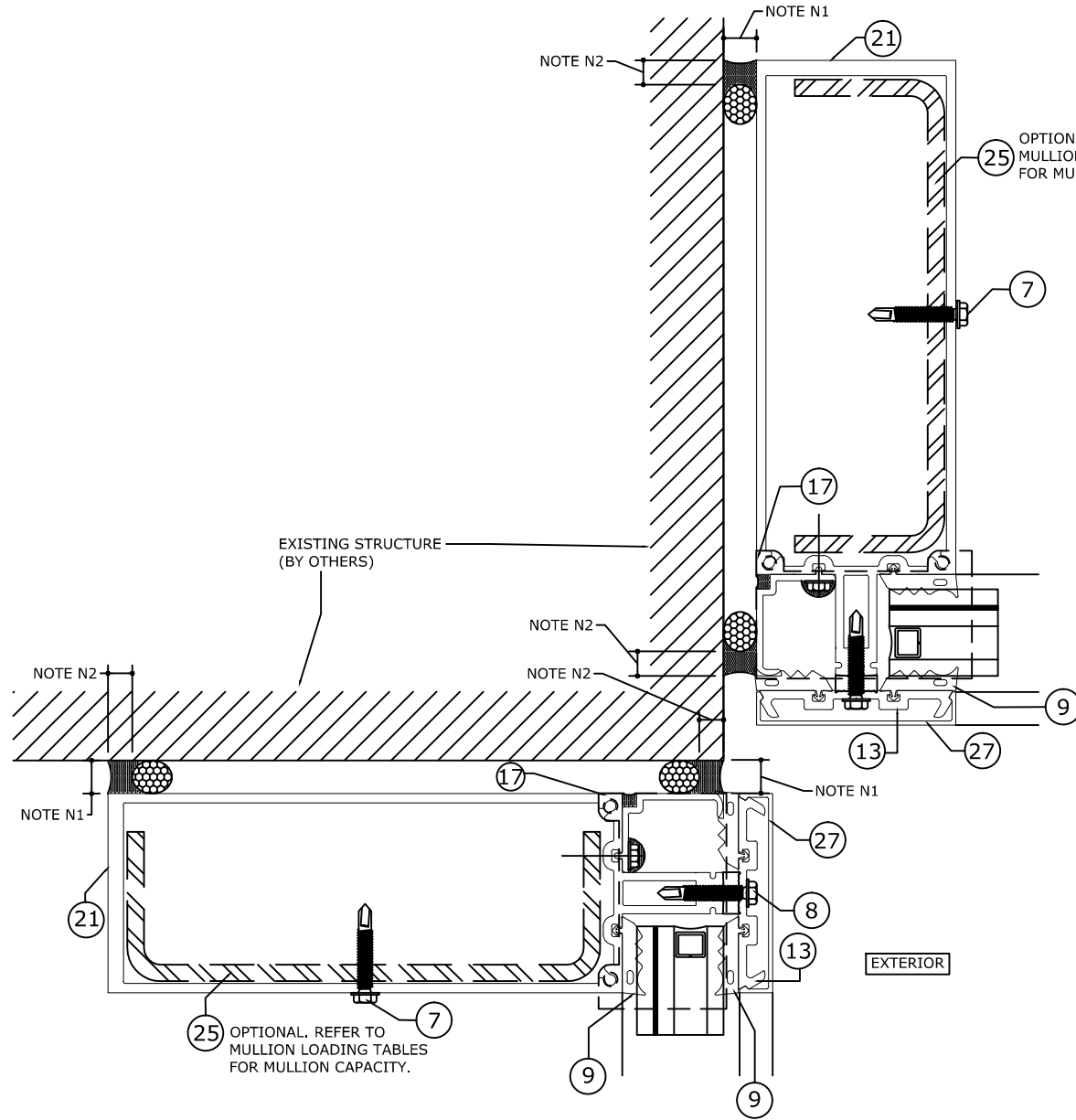
REINFORCED INSIDE OR OUTSIDE 90° CORNER JAMB MULLION (WET AND DRY GLAZED)

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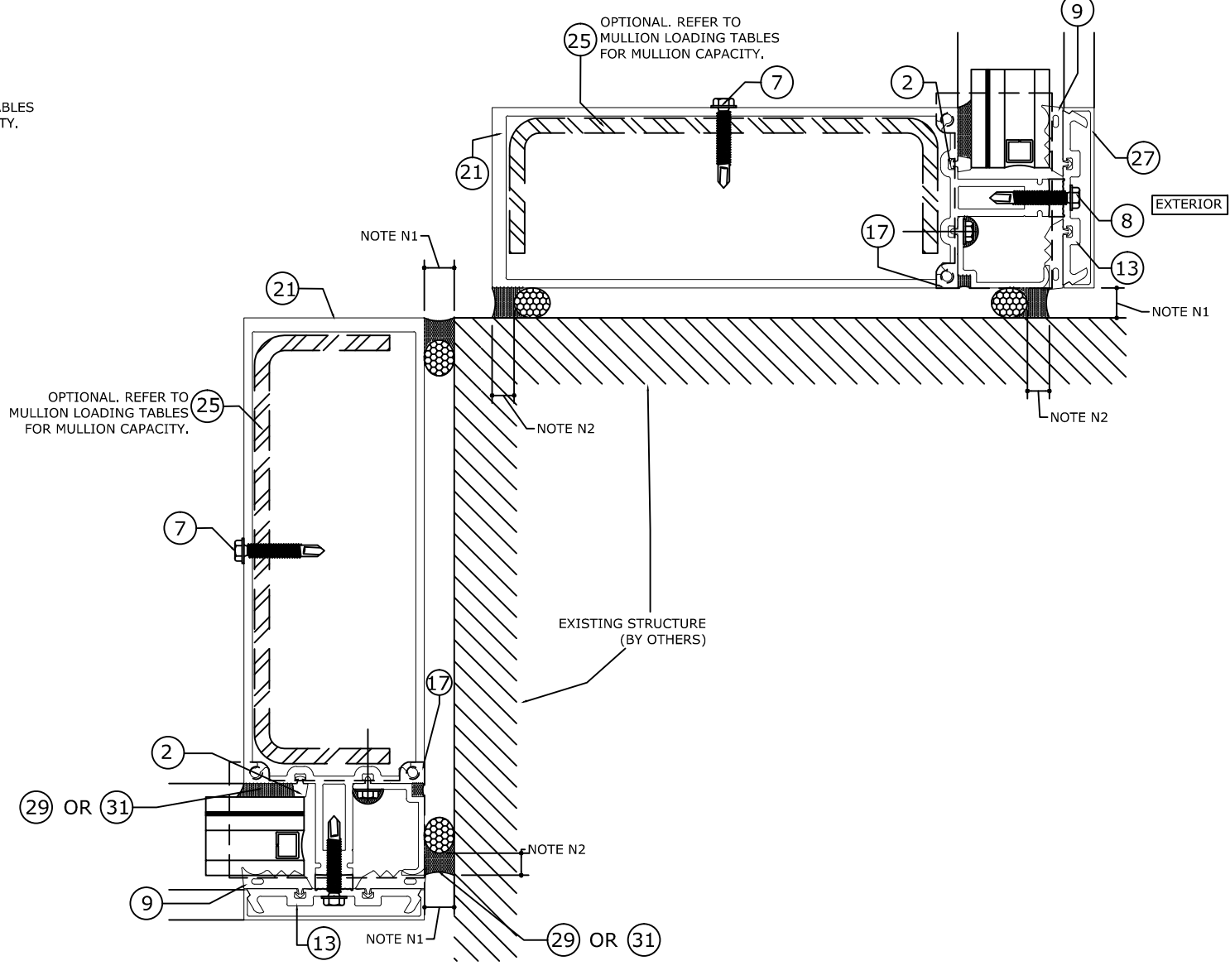


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JAMB MULLION AT INSIDE CORNER



JAMB MULLION AT OUTSIDE CORNER

SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT WITH SEALANT (28) OR (30).

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30).

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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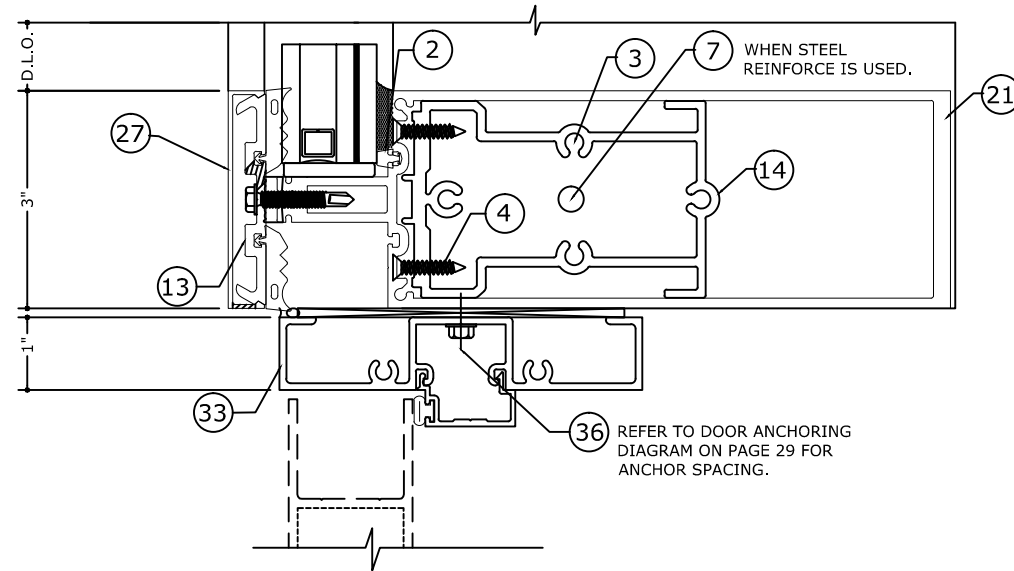
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DOOR HEADER CONNECTION TO CURTAIN WALL HORIZONTALS



10 DOOR HEADER CONNECTION DETAIL
MISSILE LEVEL D

NOTE: REFER TO SYSTEM ELEVATION ON PAGE 02 FOR LENGTH LIMITATIONS ON HORIZONTAL MULLIONS.

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DOOR JAMB CONNECTION TO CURTAIN WALL VERTICALS

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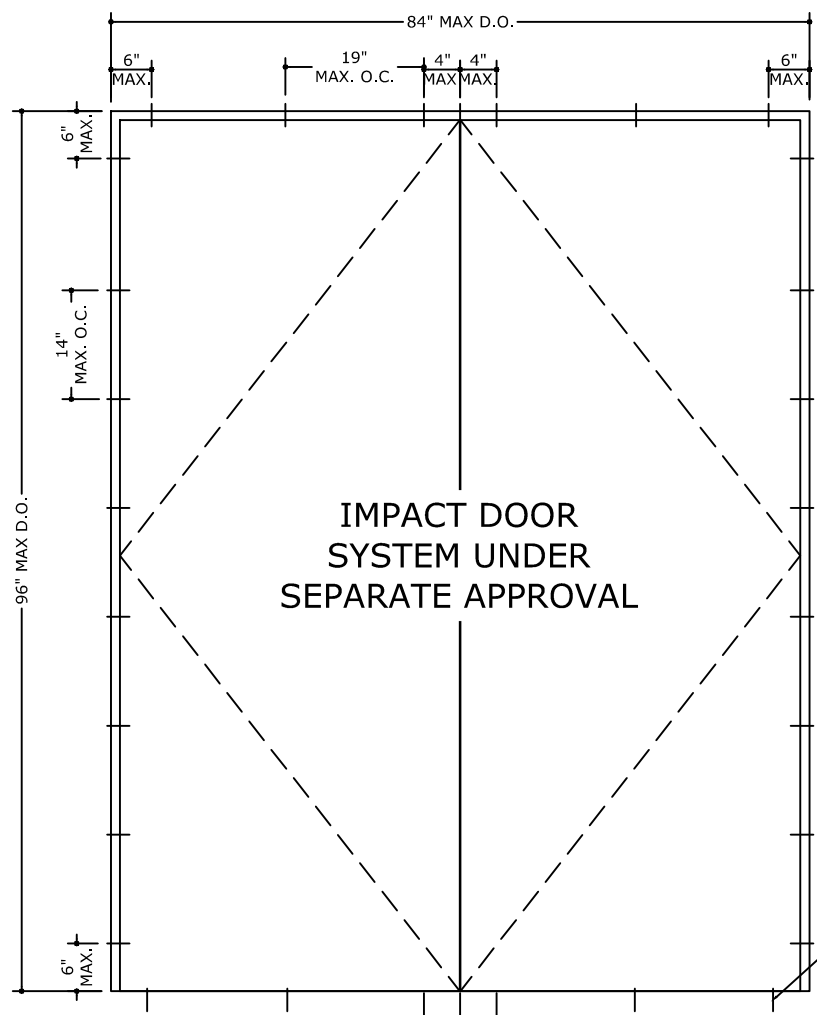
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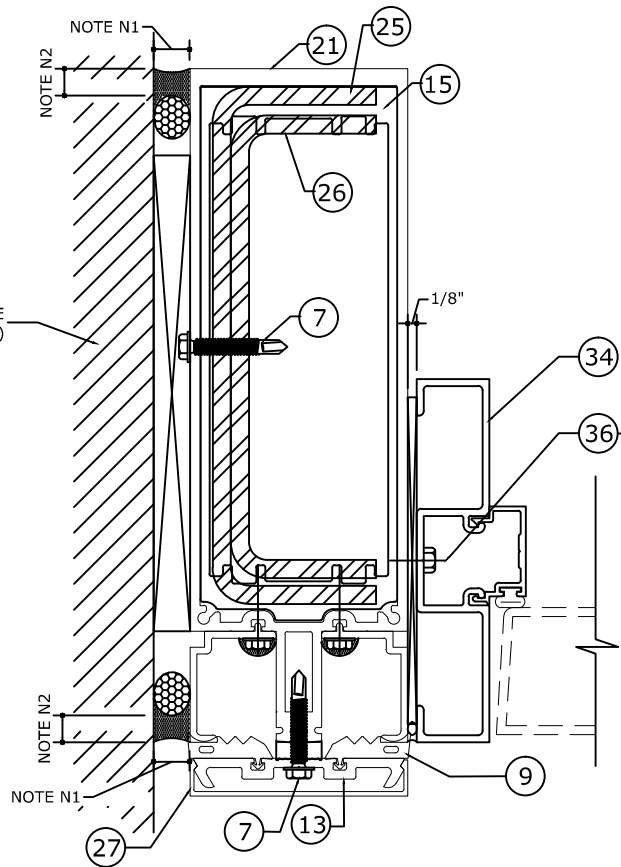
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LOCATIONS FOR DOOR FRAME ATTACHMENTS
ABOVE DIMENSIONS ARE MAXIMUM SIZES TESTED

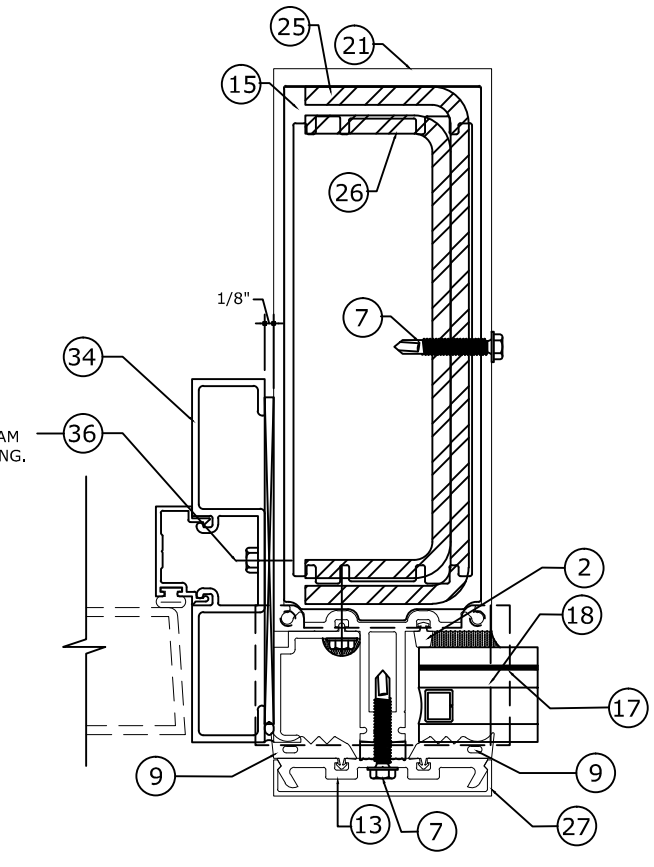
REFER TO DOOR
PRODUCT APPROVAL
FOR SILL FASTENER
TYPE

IMPACT DOOR SYSTEM
UNDER SEPARATE APPROVAL



11 JAMB MULLION W/
NO SIDELITE CONDITION

REFER TO DOOR
ANCHORING DIAGRAM
FOR ANCHOR SPACING.



12 DOOR JAMB MULLION AT
CURTAIN WALL WITH SIDELITE

SEALANT JOINT NOTES

N1: 1/2" MIN. & 1 3/4" MAX. WIDE JOINT
WITH SEALANT (28) OR (30)

N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT
WITH 1/4" DEPTH AT MIDWIDTH OF
JOINT WITH SEALANT (28) OR (30)

NOTE: REFER TO SYSTEM ELEVATION ON PAGE 02
FOR LENGTH LIMITATIONS ON HORIZONTAL
MULLIONS.

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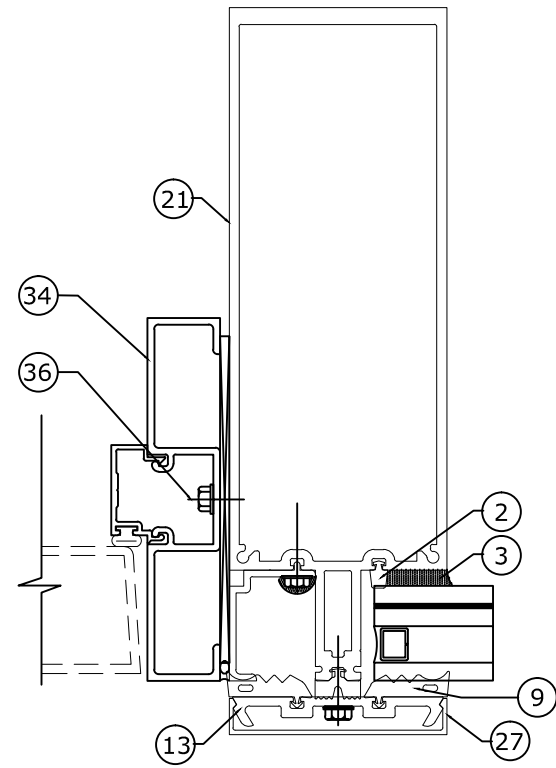
DOOR JAMB CONNECTION TO CURTAIN WALL VERTICALS

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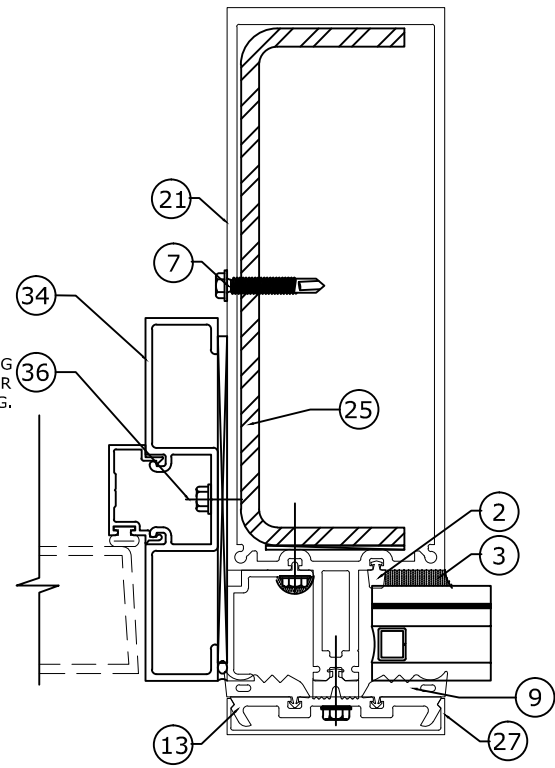
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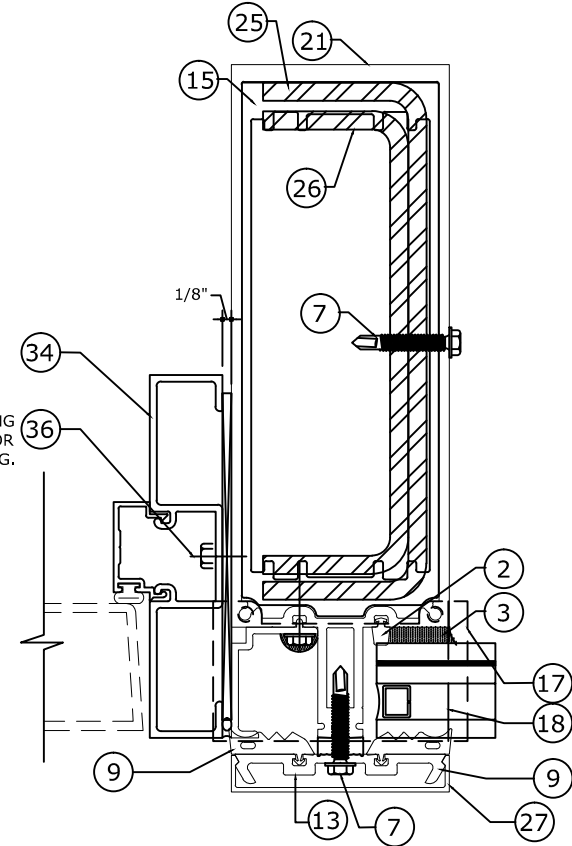
13 DOOR JAMB MULLION AT CURTAIN WALL WITH SIDELITE (NON REINFORCED)

REFER TO DOOR ANCHORING DIAGRAM ON PAGE 29 FOR ANCHOR SPACING.



14 DOOR JAMB MULLION AT CURTAIN WALL WITH SIDELITE (REINFORCED)

REFER TO DOOR ANCHORING DIAGRAM ON PAGE 29 FOR ANCHOR SPACING.



15 DOOR JAMB MULLION AT CURTAIN WALL WITH SIDELITE (REINFORCED)

NOTE:
REFER TO MULLION LOADING CHARTS FOR MULLION CAPACITIES.

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SILL CONNECTION FOR JAMB MULLION W/ NO SIDELITE & FOR DOOR JAMB MULLION FOR DOORS INSTALLED AT EXISTING STRUCTURE OR ADJACENT TO CURTAIN WALL

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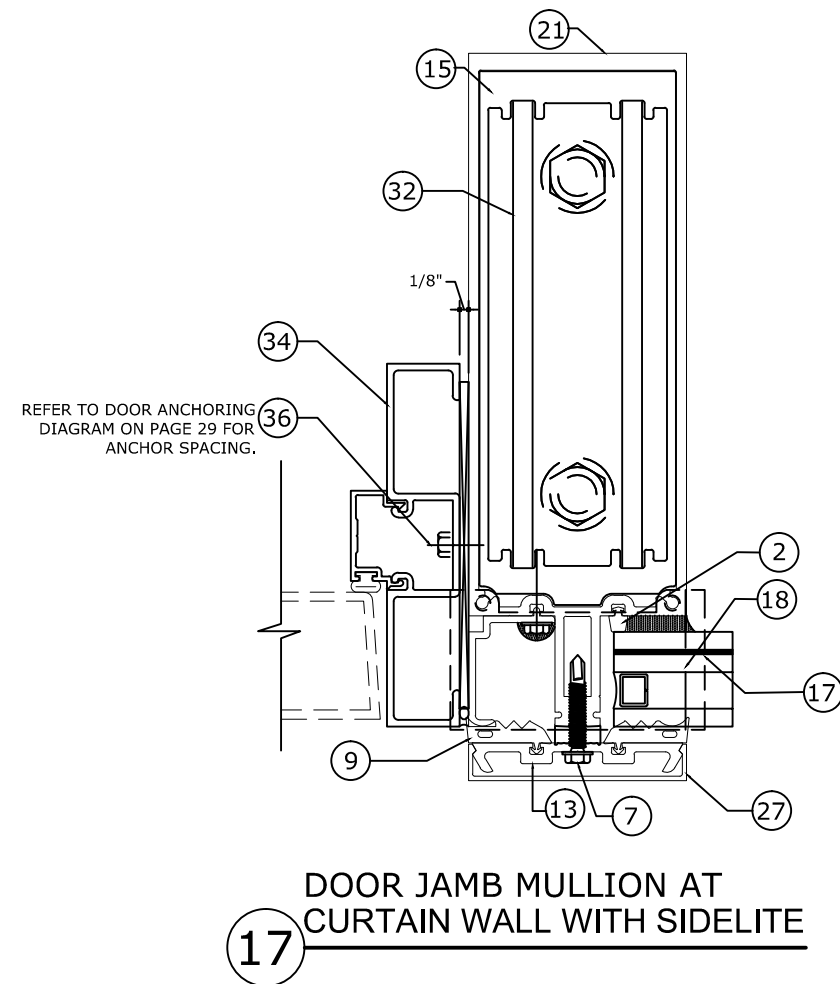
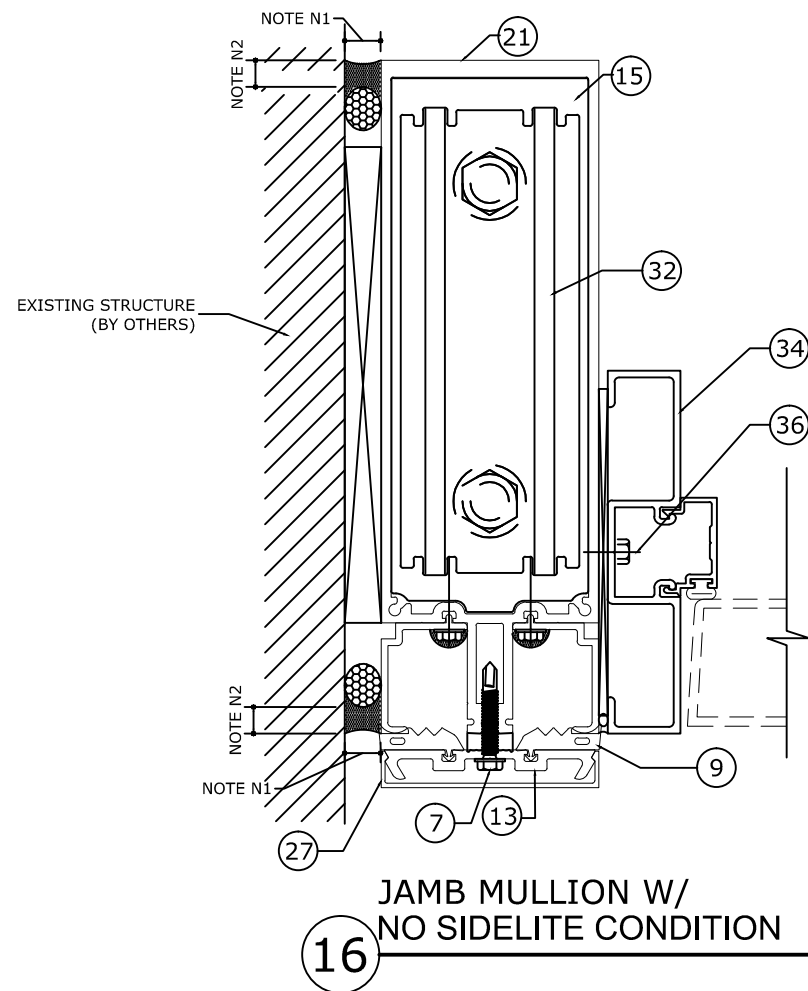


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SEALANT JOINT NOTES

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N2: 1/4" MIN. & 3/8" MAX. DEPTH JOINT WITH 1/4" DEPTH AT MIDWIDTH OF JOINT WITH SEALANT (28) OR (30)

NOTE: REFER TO SYSTEM ELEVATION ON PAGE 02 FOR LENGTH LIMITATIONS ON HORIZONTAL MULLIONS.

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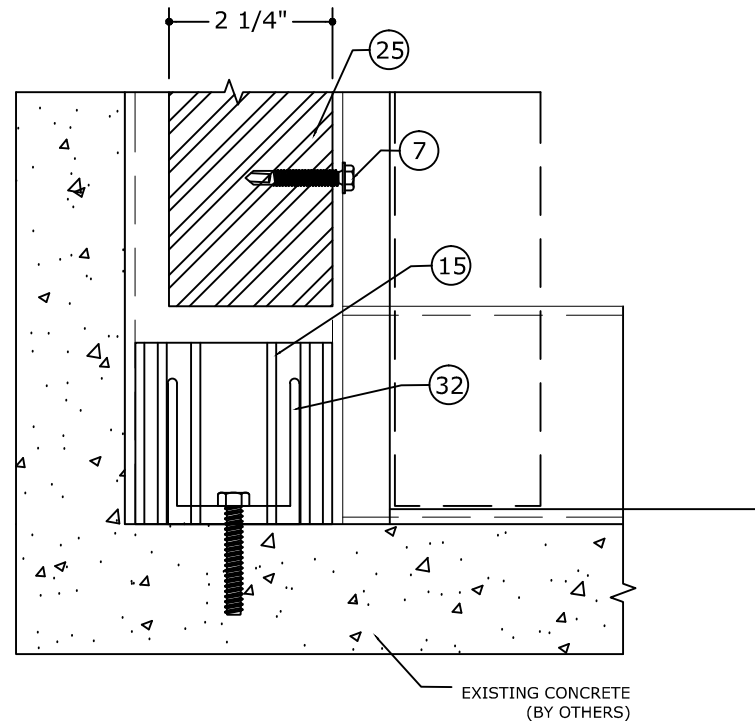
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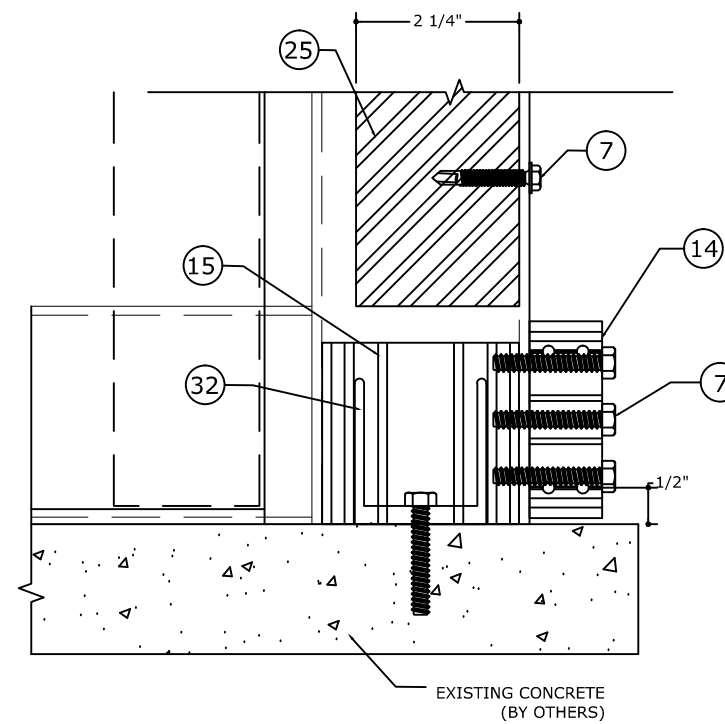
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SILL CONNECTION FOR JAMB MULLION W/ NO SIDELITE & FOR DOOR JAMB MULLION FOR DOORS INSTALLED AT EXISTING STRUCTURE OR ADJACENT TO CURTAIN WALL



ANCHORING DETAIL AT DOOR JAMB MULLION WITH NO SIDELITE CONDITION



ANCHORING DETAIL AT DOOR JAMB MULLION WITH SIDELITE CONDITION

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Reliance™ StormMax® High Performance
CURTAIN WALL SYSTEM

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	08/21/20
2020 TDI UPDATE	TAE	AJP	03/17/21

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ZONE PLUG INSTALLATION

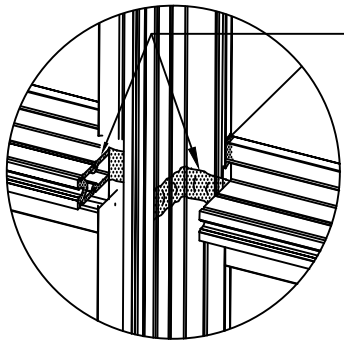
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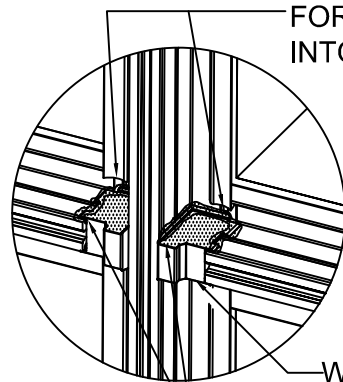
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STEP 1



SEAL ALONG TONGUE OF HORIZONTAL & ACROSS FACE AND TONGUE OF MULLION BEFORE INSTALLING WW-355 ZONE PLUGS.

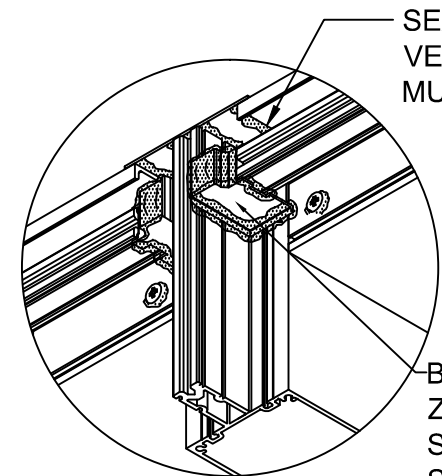
STEP 2



FORCE SEALANT INTO GASKET RACE

WW-355 ZONE PLUG

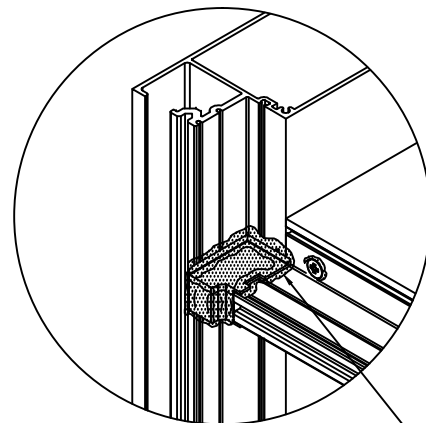
TOOL SEALANT ALONG TOP OF ZONE PLUG TO FORM A WATER TIGHT SEAL.



SEAL BETWEEN HEAD, VERTICAL MULLION AND MULLION CAP

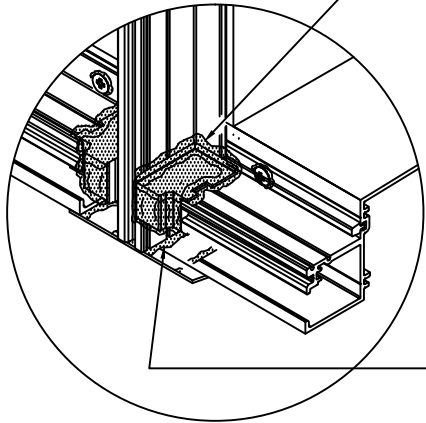
BOTTOM SIDE OF ZONE PLUG SHOWN. SEAL TOP SIDE SIMILAR.

ZONE PLUG AT HEAD



SEAL JAMB & SILL ZONE PLUGS SAME AS SHOWN AT LEFT

ZONE PLUG AT JAMB



SEAL JAMB & SILL ZONE PLUGS SAME AS SHOWN AT LEFT

SEAL BETWEEN SILL, VERTICAL & MULLION CAP

ZONE PLUG AT SILL

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PRESSURE PLATE AND FACE CAP INSTALLATION

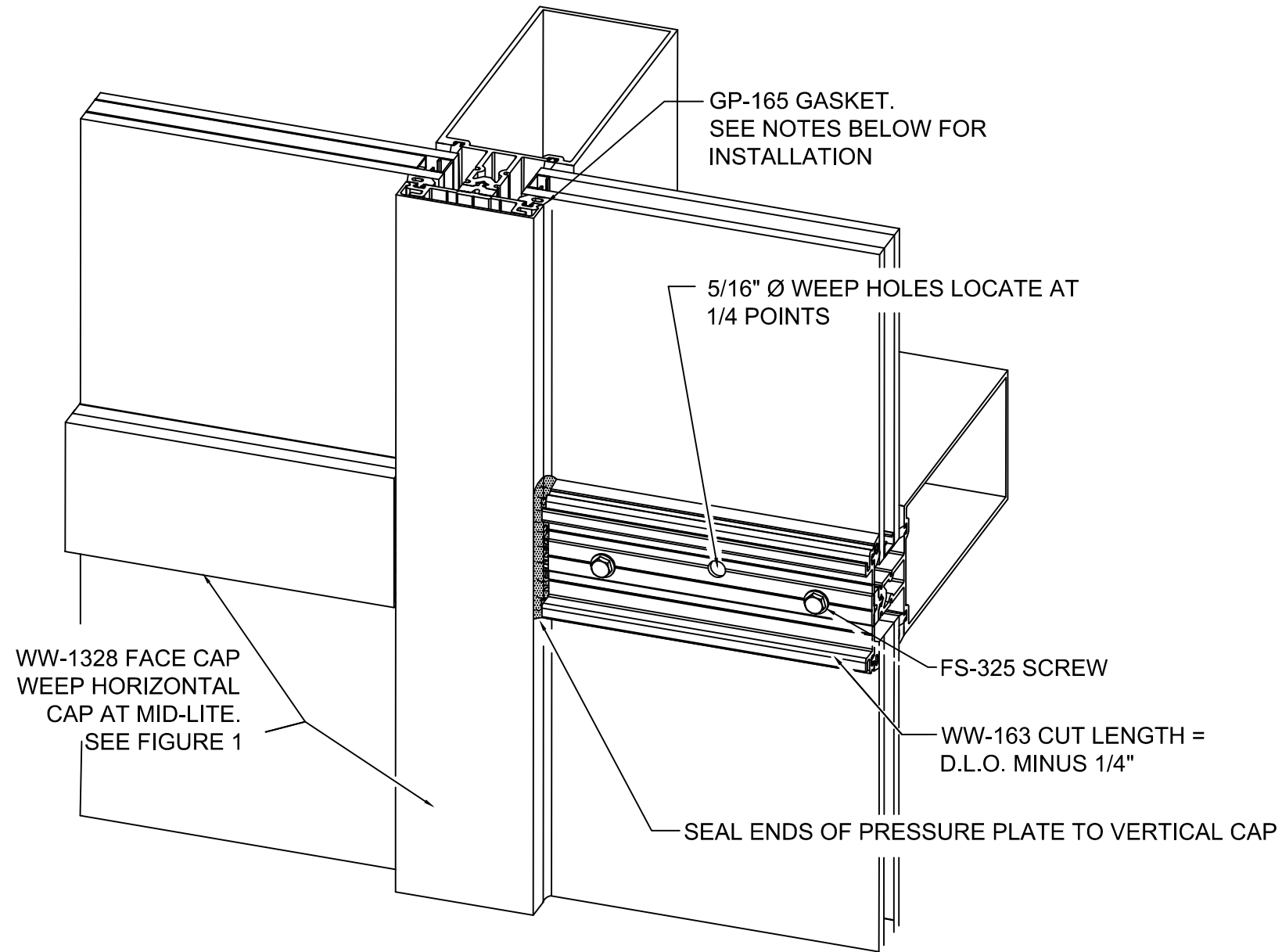
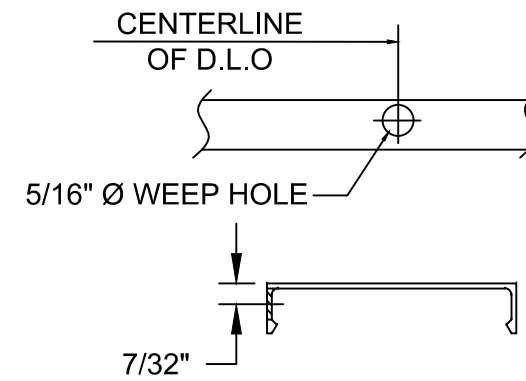


FIGURE 1
GLAZING INSTRUCTIONS
HORIZONTAL FACE CAP FABRICATION



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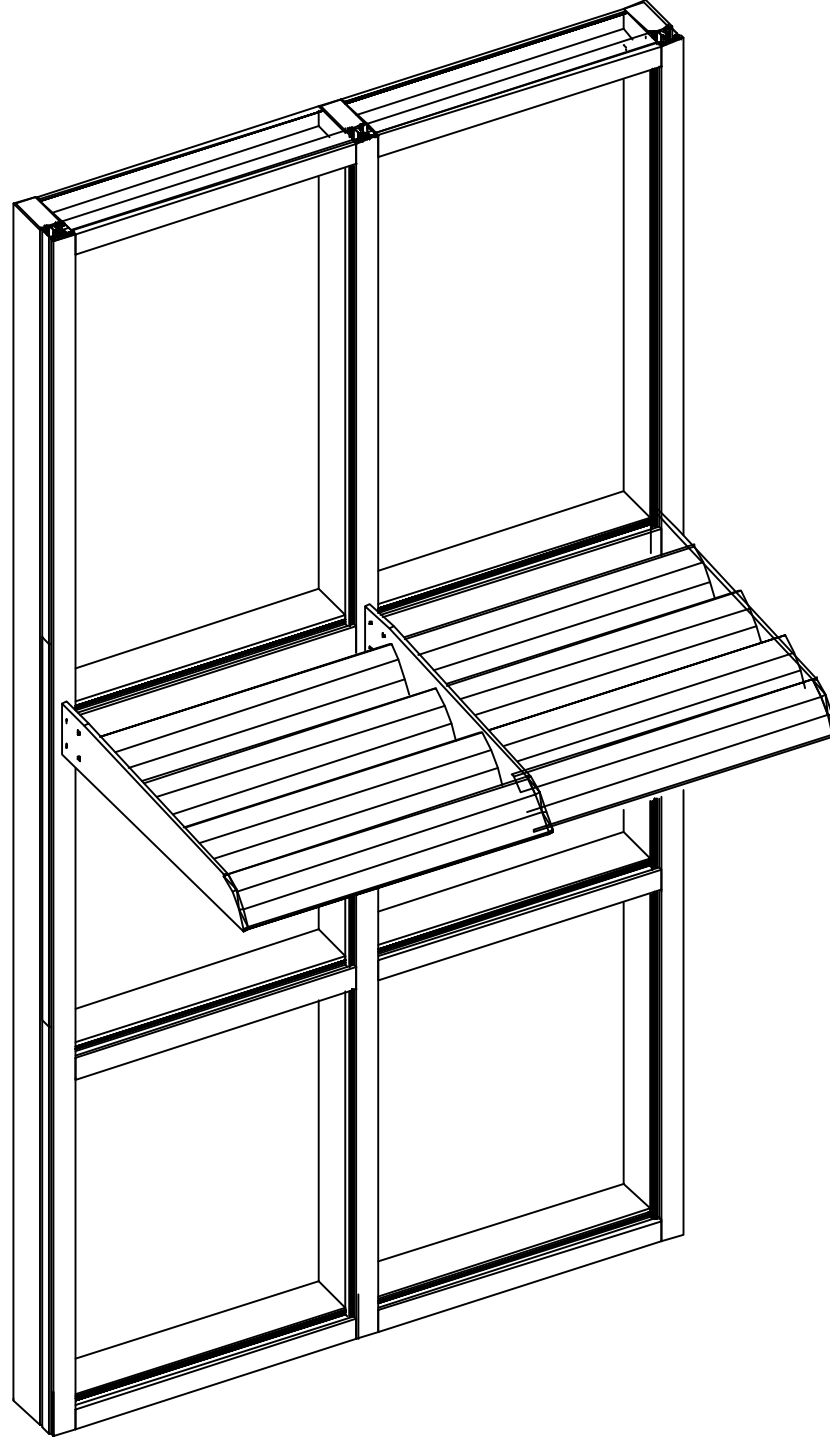
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SUNSHADE OPTION



NOTE: OPTIONAL SUNSHADES IN NON-HVHZ
CONDITIONS CAN BE USED BASED ON SITE
SPECIFIC ENGINEERING.

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Reliance™ StormMax® HIGH PERFORMANCE CURTAIN WALL SYSTEM COMPONENTS

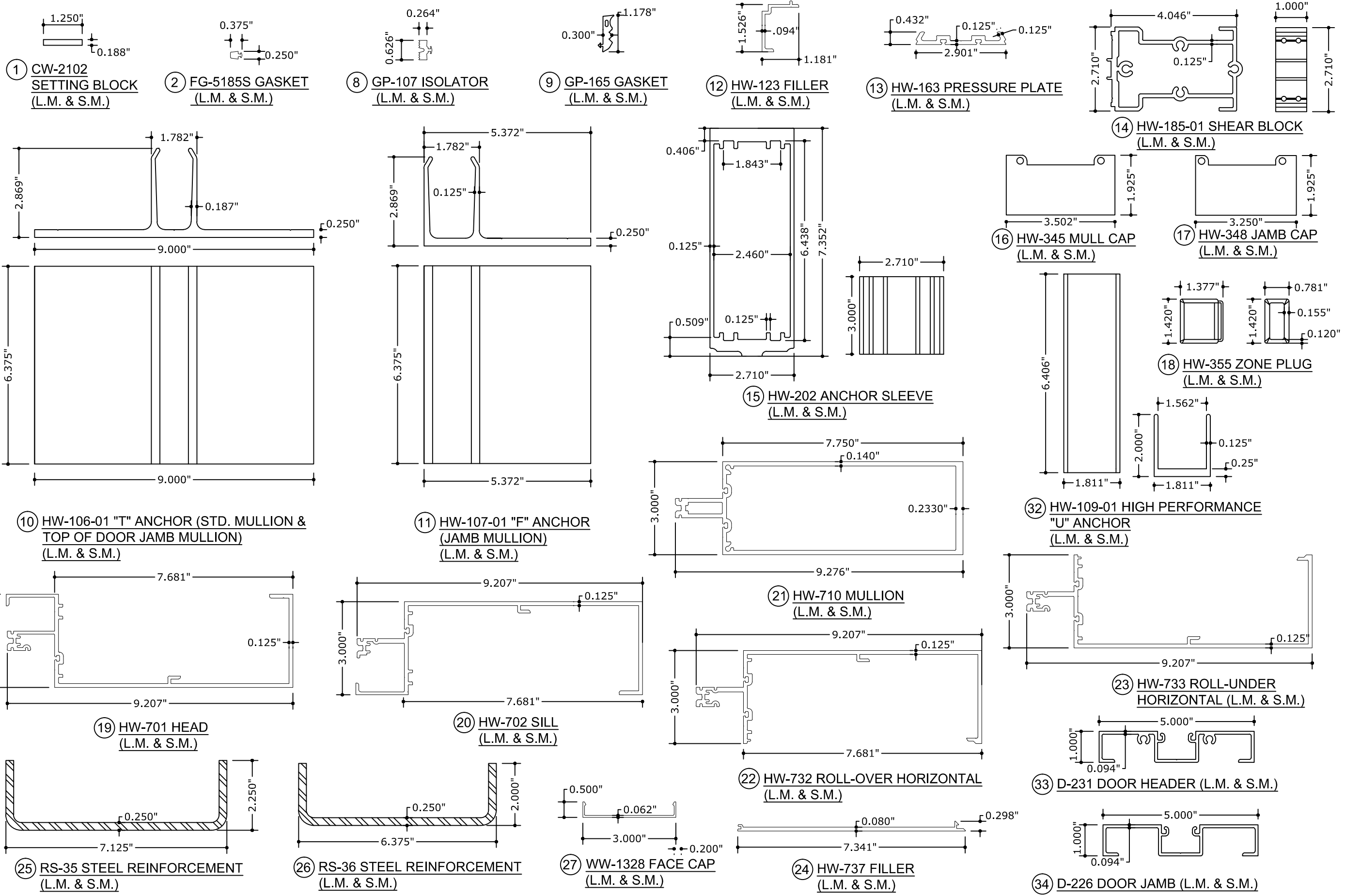
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BILL OF MATERIALS

ITEM NO.	PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL	MANF. / SUPPLIER / REMARKS
1	CW-2102	SETTING BLOCK	1.250x .188x 4.00	EPDM 80 DUROMETER	EPG
2	FG-5185S	INTERIOR SPACER GASKET	.375x 0.25	EPDM 70 DUROMETER	EPG
3	FS-9	SHEAR BLOCK ASSEMBLY SCREW #14x 1 1/2" HH	1 1/2"	ZINC COATED STEEL	VARIES - MIN. Fu=124 ksi. & Fy=92 ksi (L.M. & S.M.)
4	FS-118	HORIZ. TO SHEAR BLOCK FASTENER #10 X 1" PFH	1"	ZINC COATED STEEL	VARIES - MIN. Fu=124 ksi. & Fy=92 ksi (L.M. & S.M.)
5	FS-320	END CAP SCREW #12-14 X1" HH	1"	ZINC COATED STEEL	VARIES - MIN. Fu=124 ksi. & Fy=92 ksi (L.M. & S.M.)
6	FS-322	POCKET FILLER SCREW #10 x 1/2" DRIVE SCR	1/2"	ZINC COATED STEEL	VARIES - MIN. Fu=124 ksi. & Fy=92 ksi (L.M. & S.M.) SPACED @ 9" O.C
7	FS-325	PRESSURE PLATE SCREW #12-14x 1 1/2" HH	1 1/2"	STALGARD STEEL	DEWALT - SPACED @ 9" O.C
8	GP-107	ISOLATOR GASKET	.264x .626	EPDM 70 DUROMETER	EPG
9	GP-165	EXTERIOR AND INTERIOR GASKET	.300x 1.173	EPDM 60 DUROMETER	TREMCO
10	HW-106-01	"T" ANCHOR (STD. & DOOR JAMB MULLION)	9.00x 1.745x 0.25xVARIES	6063-T6 ALUMINUM	OBE
11	HW-107-01	"F" ANCHOR (JAMB MULLION)	5.372x 1.792x 0.25xVARIES	6063-T6 ALUMINUM	OBE
12	HW-123	POCKET FILLER	1.526x 1.181x .094	6063-T5 ALUMINUM	OBE
13	HW-163	PRESSURE PLATE	0.432x 2.901x .125	6063-T6 ALUMINUM	OBE
14	HW-185-01	SHEAR BLOCK	4.046x 2.710x .125	6063-T6 ALUMINUM	OBE
15	HW-202-01	ANCHOR SLEEVE	2.710x 7.352x .125xVARIES	6063-T6 ALUMINUM	OBE
16	HW-345	MULL CAP	3.5 x 1.925x .063	5005-H32 ALUMINUM	OBE
17	HW-348	JAMB CAP	3.25x 1.925x .063	5005-H32 ALUMINUM	OBE
18	HW-355	ZONE PLUG	1.377x 1.416x .781	HIVAL ABS HG6 RESIN	CHARLOMA
19	HW-701	HEAD	3.00x 7.681x .125	6063-T6 ALUMINUM	OBE
20	HW-702	SILL	3.00x 7.681x .125	6063-T6 ALUMINUM	OBE
21	HW-710	MULLION	3.00x 7.75x .140x .200	6063-T6 ALUMINUM	OBE
22	HW-732	ROLL OVER HORIZONTAL	3.00x 7.681x .125	6063-T6 ALUMINUM	OBE
23	HW-733	ROLL UNDER HORIZONTAL	3.00x 7.681x .125	6063-T6 ALUMINUM	OBE
24	HW-737	FILLER	7.341x .298x .080	6063-T5 ALUMINUM	OBE
25	RS-35	REINFORCEMENT STEEL	2.25x 7.125x .25	ASTM A-36	OBE - ZINC PAINTED STEEL
26	RS-36	REINFORCEMENT STEEL	2.00x 6.375x .125	ASTM A-36	OBE - ZINC PAINTED STEEL
27	WW-1328	FACE CAP	3.00x .50x .062	6063-T5 ALUMINUM	OBE
28	795	PERIMETER SEAL		SILICONE	DOWSIL
29	995	POCKET SEAL		SILICONE	DOWSIL
30	PROGLAZE SSG	PERIMETER SEAL		SILICONE	TREMCO
31	PROGLAZE II	POCKET SEAL		SILICONE	TREMCO
32	HW-109-01 HIGH PERFORMANCE "U" ANCHOR	AT DOOR JAMB MULLION & AT JAMB MULLION AT DOOR W/ NO SIDELITE & OPTIONAL AT JAMB MULLION	2.00x 1.811x 0.125x 6.406	6063-T6 ALUMINUM	OBE - USE ONLY AT BOTTOM.
33	D-231	DOOR HEADER	1.00x 5.00x .094	6063-T6 ALUMINUM	OBE
34	D-226	DOOR JAMB	1.00x 5.00x .094	6063-T6 ALUMINUM	OBE
35	INSULATING GLASS UNIT SPACER	MODEL H 6.5 1/2" OR 3/8" WIDEx 1/4" HIGHx 0.014" THICK		3105-H24 ALUMINUM	VARIES. SEE GLASS SCHEDULE
36	FS-322	SUBFRAME FASTENER #12-14 1" HH DRIL FLEX	1"		DEWALT

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