

02/16/2021 - 1:44pm joem C:\Users\joem\appdata\local\temp\AcPublish 3432\OBE - FG-5750e.dwg



02/16/2021 - 1:44pm

1. THIS SYSTEM AND GLSS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) PER
 - a. ASTM E330-14, E331-00, E283-04
 - b. TAS 201 / 202 / 203
 - c. AAMA 501-5
 - d. ANSI Z97.1-2015 (400 ft-lb. IMPACT)
 - e. ALUMINUM DESIGN MANUAL 2015, ASCE 7-16
2. 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.
3. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
6. 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.
7. 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.
8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
9. 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
10. 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.
11. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
12. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
13. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
14. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
15. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:

Oldcastle BuildingEnvelope®
803 AIRPORT ROAD
TERRELL, TEXAS 75160
TAS 201/202/203

WATER INFILTRATION 15 PSF
AIR INFILTRATION 6.24 PSF
MAXIMUM DESIGN PRESSURE = +70/-80 PSF
ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6 ALLOY AND TEMPER.
THIS PRODUCT HAS BEEN DESIGNED, ENGINEERED AND TESTED
TO COMPLY WITH CURRENT FLORIDA BUILDING CODE.
MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS,
THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS
SHALL MEET THE REQUIREMENTS OF CURRENT FLORIDA BUILDING CODE.



The seal is circular with a dashed outer border. Inside the border, the text "FRANK L. BENNARDO" is at the top, "LICENSE" is below it, "No. 0046549" is in the center, and "STATE OF FLORIDA" is at the bottom. The words "PROFESSIONAL ENGINEER" are written along the bottom inner edge. There are three stars: one on the left, one in the center, and one on the right. A stylized orbital path with a small satellite icon is drawn across the seal.

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FG-5750 STORMMAX® NON-THERMAL IMPACT STOREFRONT SYSTEM
WET AND DRY GLAZED

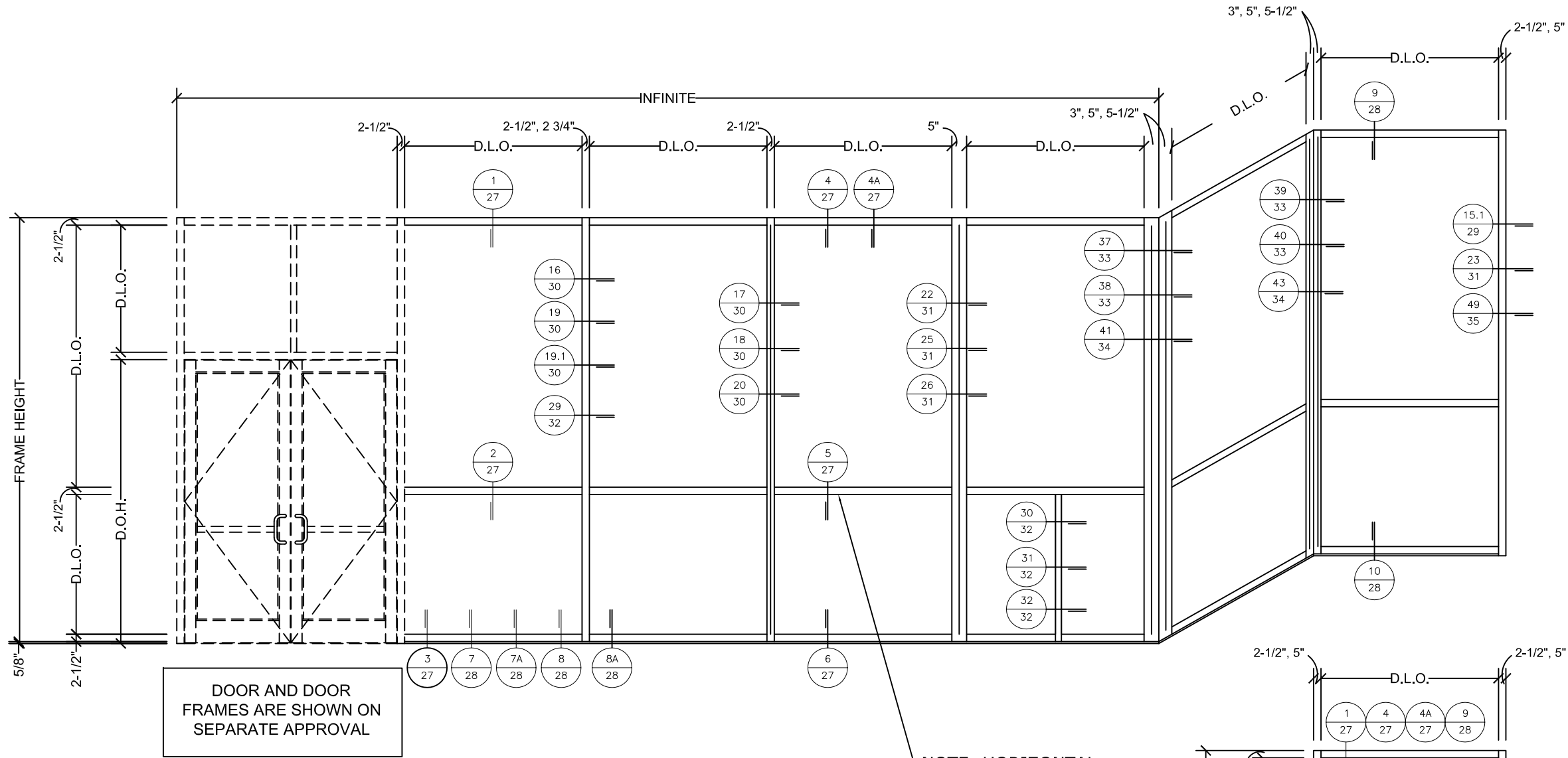
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	09/17/20
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**OUTSIDE DRY AND WET GLAZED ELEVATIONS
(DEPICTED WITH FG-5712 SUB SILL)**

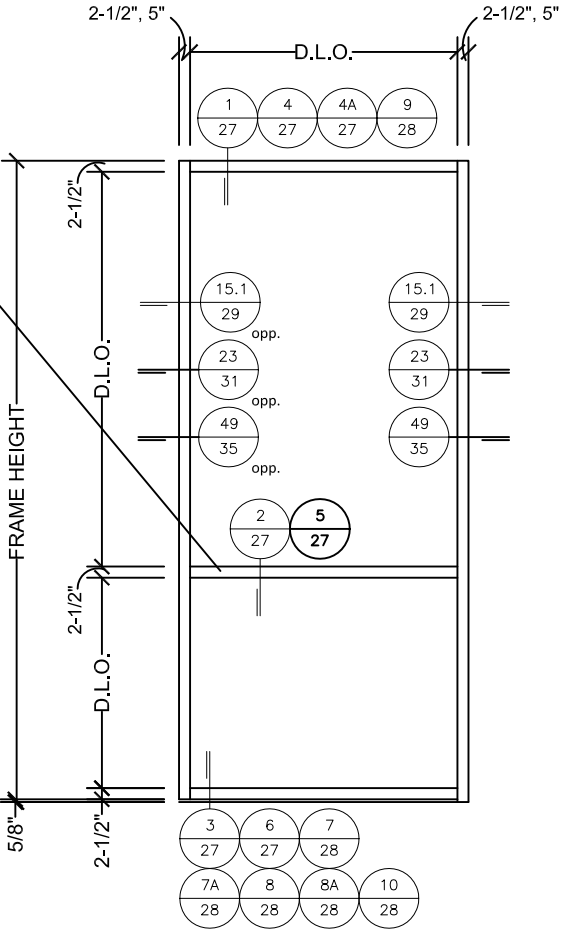
INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING

- 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 MULLIONS, SEE DIAGRAM ON PAGE 12
- STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.
- STEP ④: LESSER OF SILL / HEAD ALLOWABLE PRESSURE (PAGES 27-29) AND FASTENER SCHEDULE (PAGES 17-26) MUST MEET OR EXCEED DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

DOORS ARE SHOWN BY SEPARATE APPROVAL
LESSER PRESSURE WILL PREVAIL ON COMBINED PRODUCTS
MINIMUM SHIM SPACE REQUIRED 1/4", MAXIMUM SHIM SPACE 1/2"

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



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



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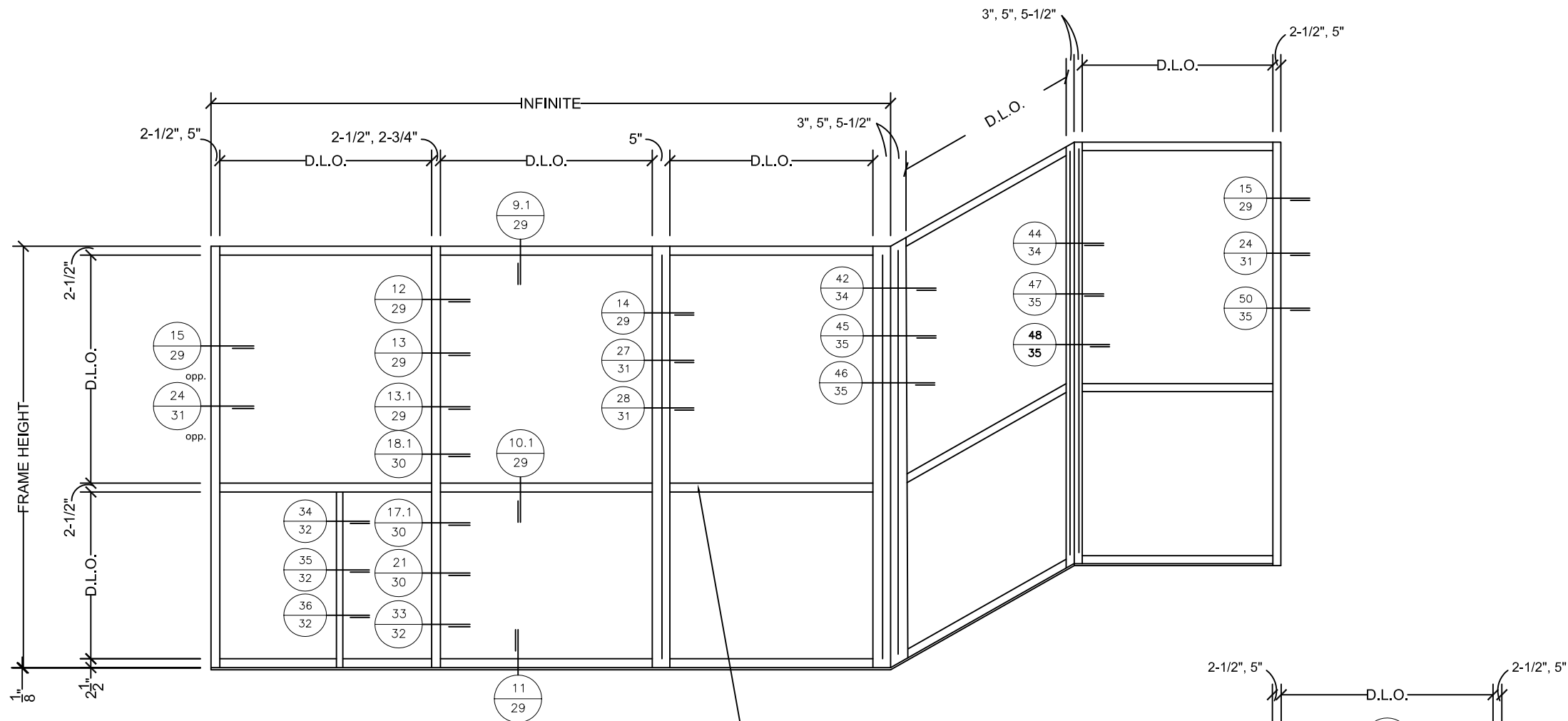
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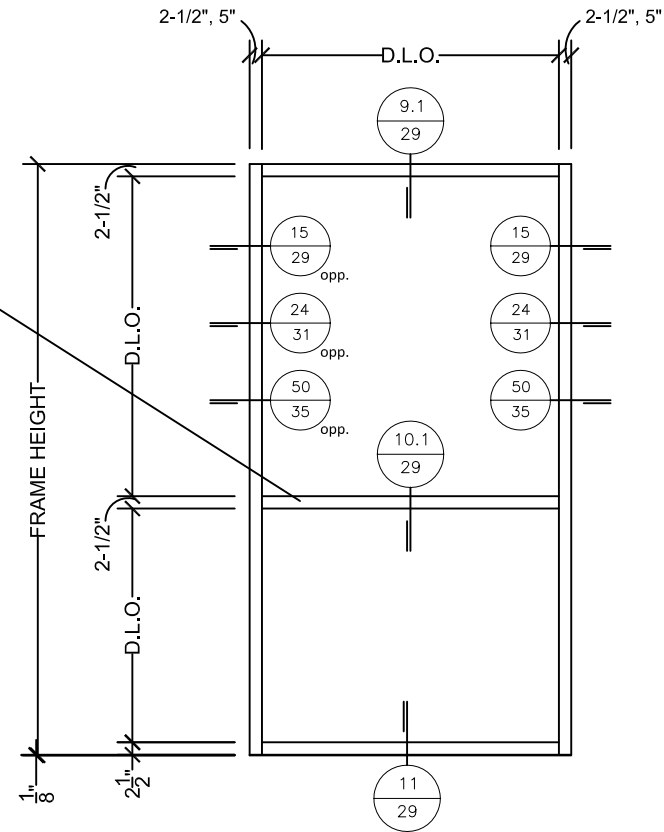
**INSIDE DRY GLAZED ELEVATIONS
(DEPICTED WITH FG-5180 SUB SILL)
(LARGE AND SMALL MISSILE)**

NOTE: HORIZONTAL MEMBER IS LIMITED TO 57 1/2" MAX. IN LENGTH.

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 MULLIONS, SEE DIAGRAM ON PAGE 12
- STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.
- STEP ④: LESSER OF SILL / HEAD ALLOWABLE PRESSURE (PAGES 27-29) AND FASTENER SCHEDULE (PAGES 17-26) MUST MEET OR EXCEED DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

DOORS ARE SHOWN BY SEPARATE APPROVAL
LESSER PRESSURE WILL PREVAIL ON COMBINED PRODUCTS
MINIMUM SHIM SPACE REQUIRED 1/4", MAXIMUM SHIM SPACE 1/2"



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

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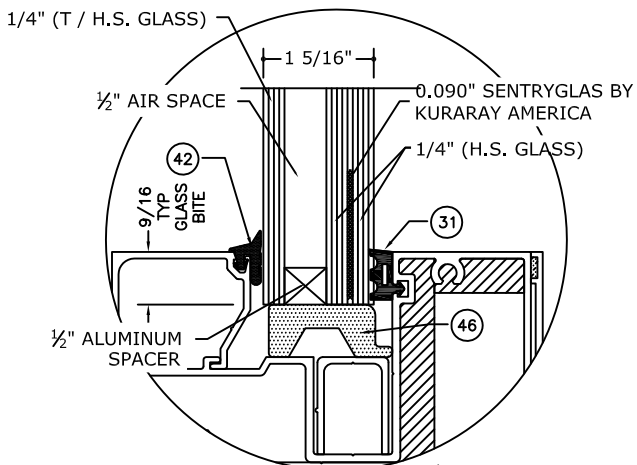
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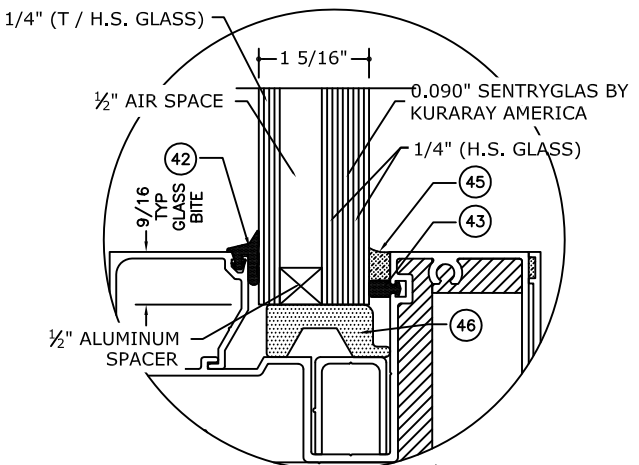
GLASS TYPES (L.M.I.) OUTSIDE GLAZED - MISSILE LEVEL "D"



GLASS TYPE G1

GLAZING DETAIL (DRY GLAZED)

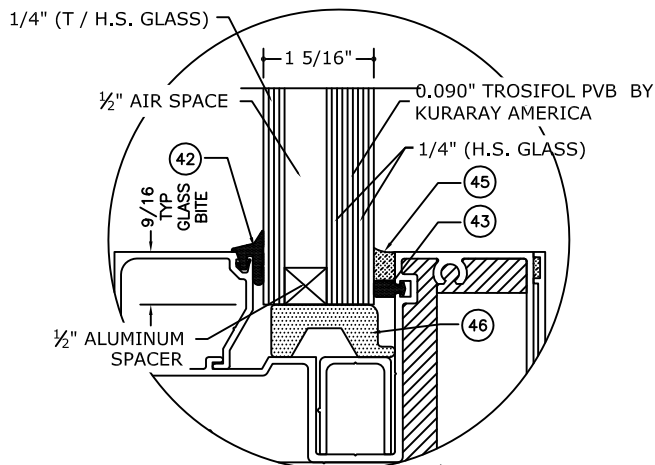
N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS



GLASS TYPE G2

GLAZING DETAIL (WET GLAZED)

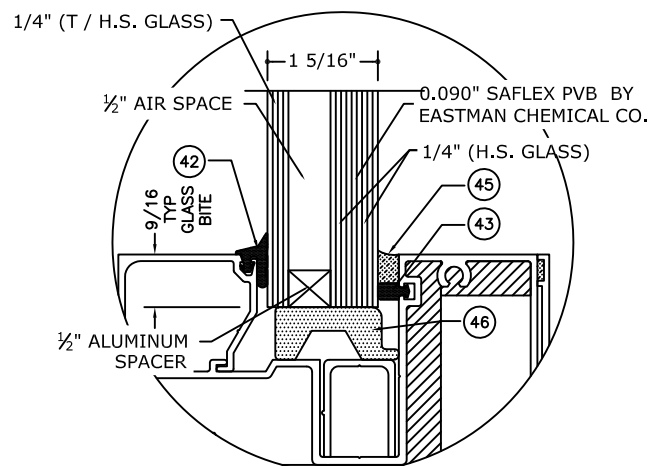
N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS



GLASS TYPE G3

GLAZING DETAIL (WET GLAZED)

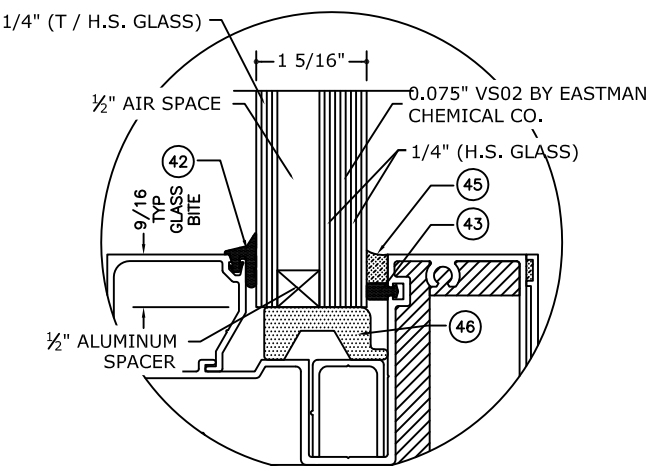
N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS



GLASS TYPE G4

GLAZING DETAIL (WET GLAZED)

N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS



GLASS TYPE G5

GLAZING DETAIL (WET GLAZED)

N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS

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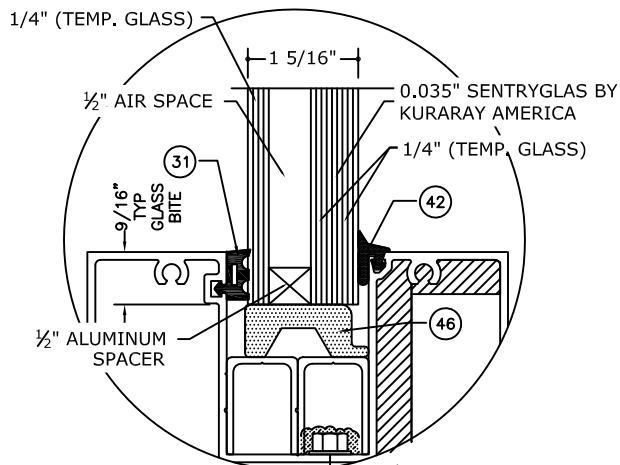
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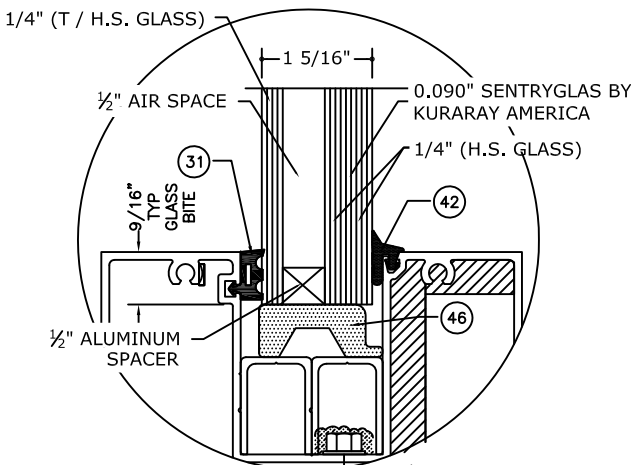
GLASS TYPE (LMI & S.M.I.) - INSIDE GLAZED



GLASS TYPE **G6**

GLAZING DETAIL (DRY GLAZED)

N.T.S.
GLASS RATING:
SMALL MISSILE
1 5/16" GLASS



GLASS TYPE **G7**

GLAZING DETAIL (DRY GLAZED)

N.T.S.
GLASS RATING:
LARGE MISSILE LEVEL D
1 5/16" GLASS

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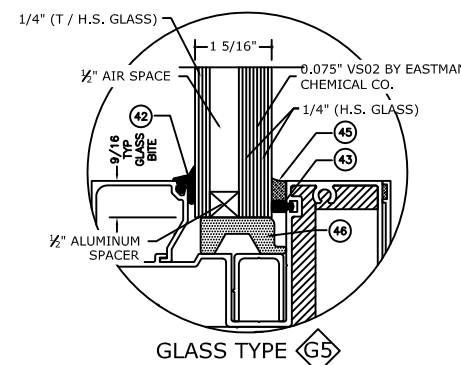
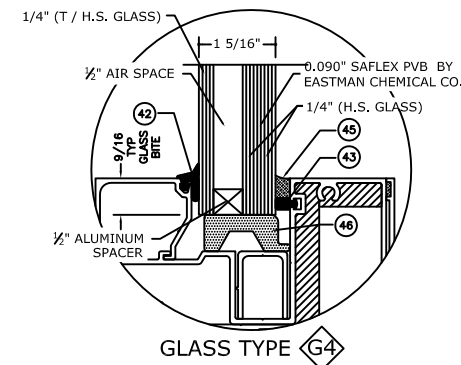
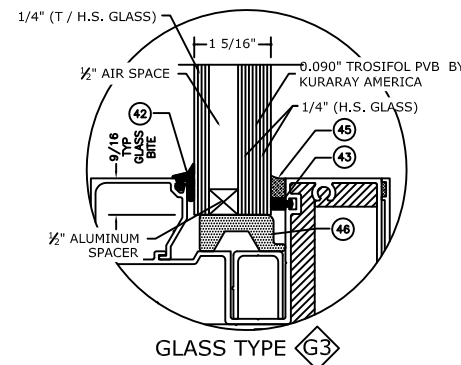
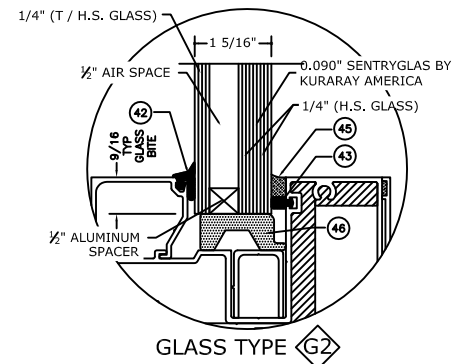
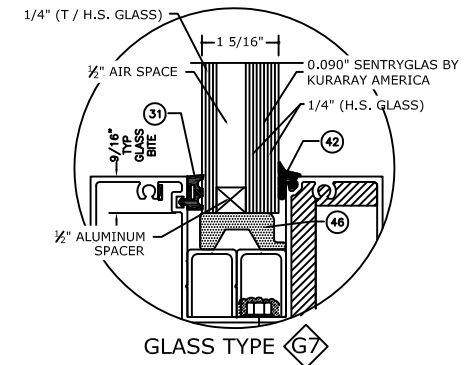
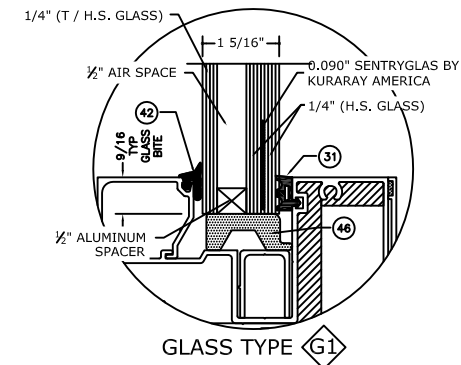
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GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1 G7		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>
48	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	52	52	59	67	90	90
	57 1/2	75	75	75	75	52	52	59	67	90	90
	60	75	75	75	75	52	52	59	67	90	90
	66	75	75	75	75	52	52	59	67	90	90
	72	75	75	75	75	52	52	59	67	90	90
	78	75	75	75	75	52	52	59	67	90	90
54	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	46	46	52	60	90	90
	60	75	75	75	75	46	46	52	60	90	90
	66	75	75	75	75	46	46	52	60	90	90
	72	75	75	75	75	-	-	52	60	90	90
	78	75	75	75	75	-	-	52	60	90	90
60	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	44	44	49	56	90	90
	60	67	67	67	67	42	42	47	54	86	86
	66	67	67	67	67	-	-	47	54	86	86
	72	67	67	67	67	-	-	47	54	86	86
	78	67	67	67	67	-	-	-	-	86	86
66	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	44	44	49	56	90	90
	60	67	67	67	67	-	-	47	54	86	86
	66	60	60	60	60	-	-	42	49	78	78
	72	60	60	60	60	-	-	-	-	78	78
	78	60	60	60	60	-	-	-	-	78	78



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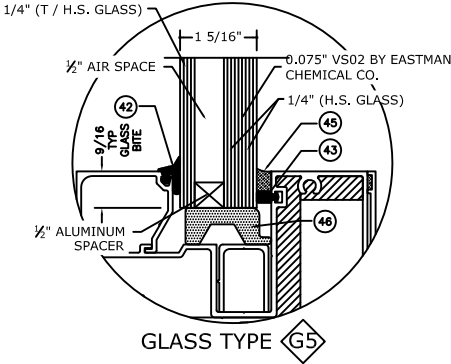
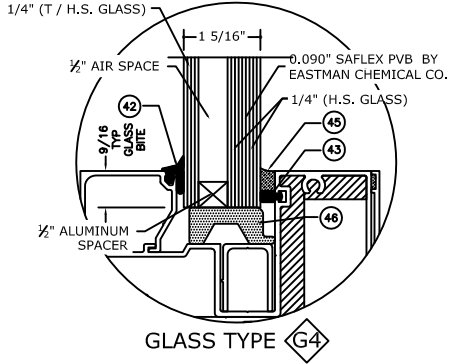
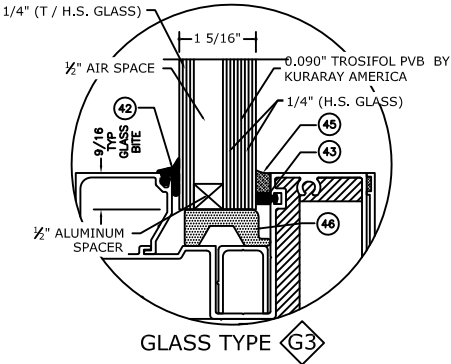
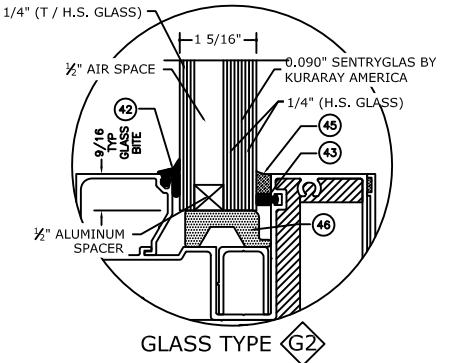
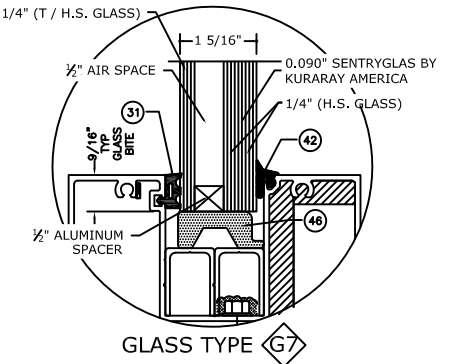
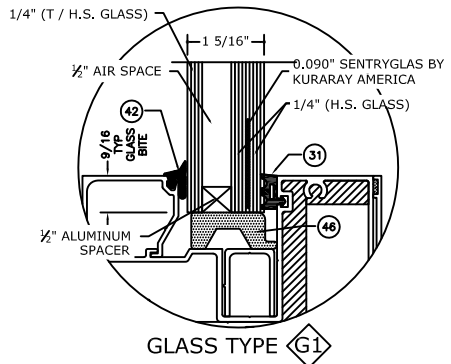
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GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1G7		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
72	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	-	-	52	60	90	90
	57 1/2	75	75	75	75	-	-	49	56	90	90
	60	67	67	67	67	-	-	47	54	86	86
	66	60	60	60	60	-	-	-	-	78	78
78	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	-	-	52	60	90	90
	57 1/2	75	75	75	75	-	-	-	-	90	90
	60	67	67	67	67	-	-	-	-	86	86
	66	60	60	60	60	-	-	-	-	78	78
83	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	-	-	59	67	90	90
	54	75	75	75	75	-	-	-	-	90	90
	57 1/2	75	75	75	75	-	-	-	-	90	90
	60	67	67	67	67	-	-	-	-	86	86
	66	60	60	60	60	-	-	-	-	78	78
96	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	-	-	67	77	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	75	75	75	75	-	-	-	-	90	90
	57 1/2	75	75	75	75	-	-	-	-	90	90
	60	-	-	-	-	-	-	-	-	86	86
	66	-	-	-	-	-	-	-	-	78	78

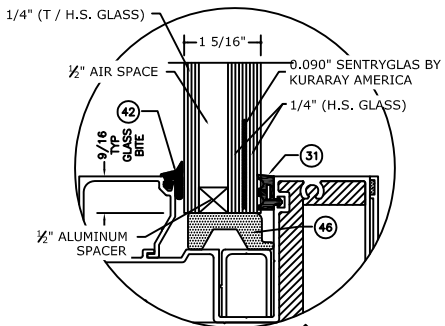


REMARKS	DRWN	CHKD	DATE
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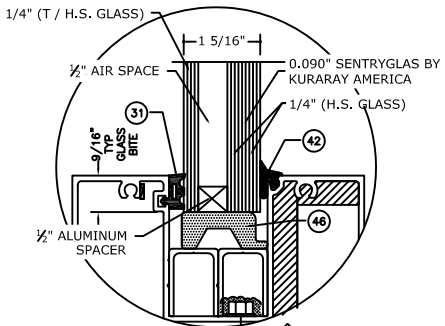
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GLASS LOADING TABLES (L.M.I.)

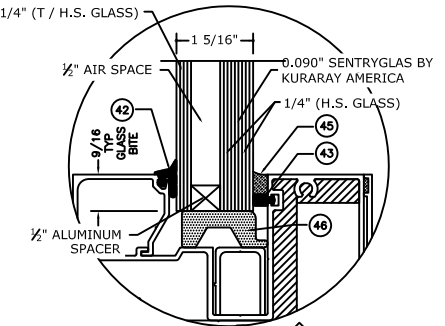
GLASS TYPES		G1 G7		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
101	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	-	-	67	77	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	75	75	75	75	-	-	-	-	90	90
	57 1/2	-	-	-	-	-	-	-	-	90	90
108	60	-	-	-	-	-	-	-	-	86	86
	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	-	-	-	-	-	-	-	-	90	90
115	57 1/2	-	-	-	-	-	-	-	-	90	90
	60	-	-	-	-	-	-	-	-	86	86
	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
120	54	-	-	-	-	-	-	-	-	90	90
	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90



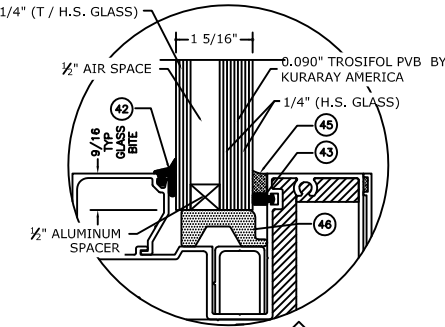
GLASS TYPE G1



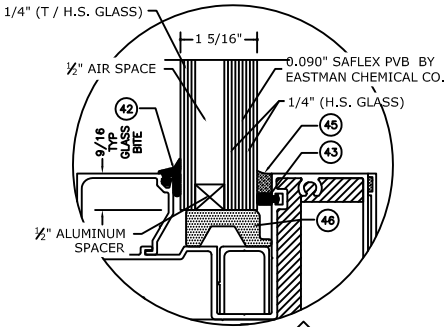
GLASS TYPE G7



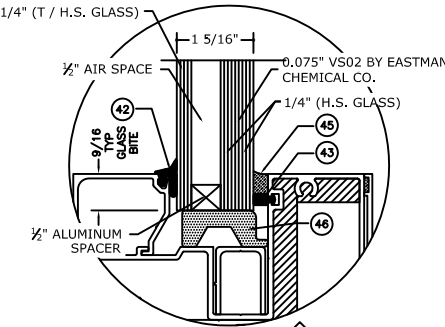
GLASS TYPE G2



GLASS TYPE G3



GLASS TYPE G4



GLASS TYPE G5

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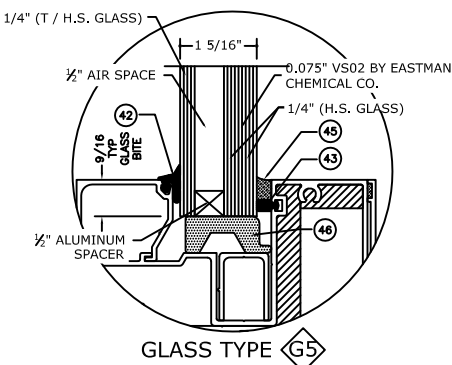
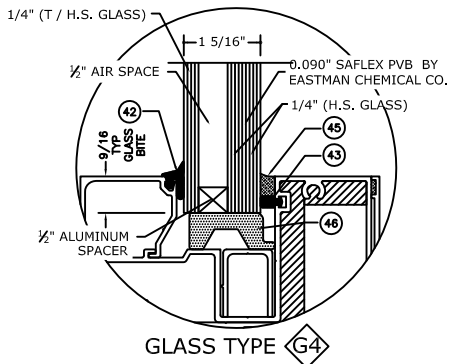
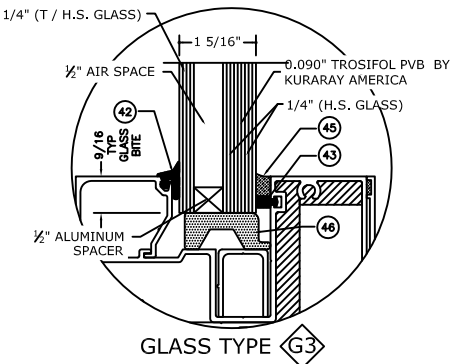
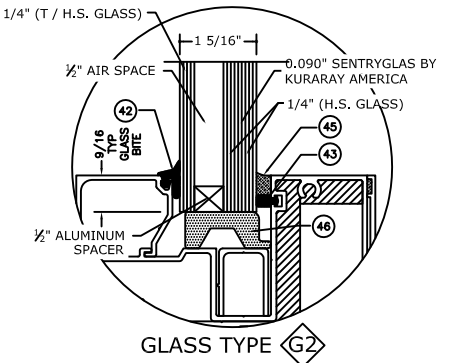
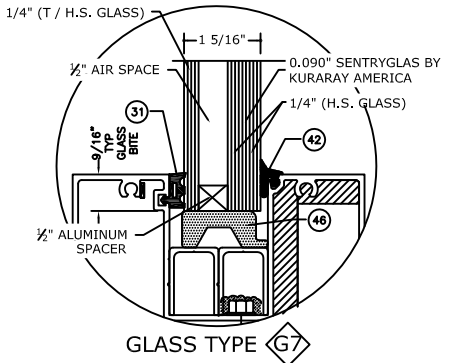
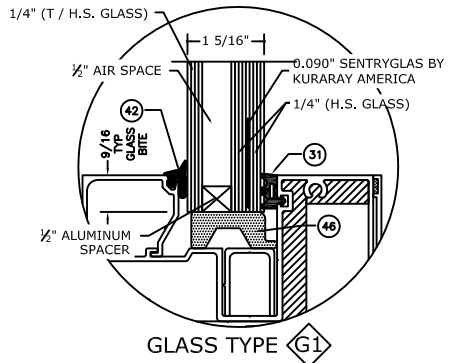
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GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1 G7		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
126	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	-	-	-	-	-	-	-	-	90	90
	48	-	-	-	-	-	-	-	-	90	90
132	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	-	-	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	-	-	-	-	-	-	-	-	90	90
	46	-	-	-	-	-	-	-	-	90	90
	48	-	-	-	-	-	-	-	-	90	90
144	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	-	-	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	-	-	-	-	-	-	-	-	90	90



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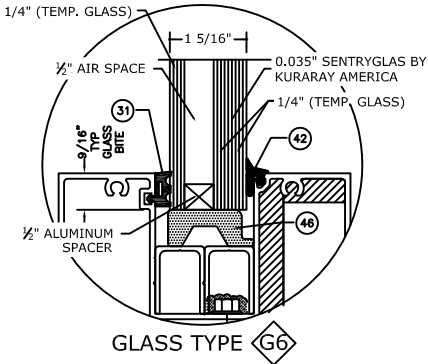
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GLASS LOADING TABLES (S.M.I.)

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
24	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
	48	60	60
	54	60	60
	57 1/2	60	60
	60	60	60
	66	60	60
	72	60	60
	78	60	60
30	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
	48	60	60
	54	60	60
	57 1/2	60	60
	60	60	60
	66	60	60
	72	60	60
	78	60	60
36	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
	48	60	60
	54	60	60
	57 1/2	60	60
	60	60	60
	66	60	60
	72	60	60
	78	60	60
40.5	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
	48	60	60
	54	60	60
	57 1/2	60	60
	60	60	60
	66	60	60
	72	60	60
	78	60	60

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
42	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
	48	60	60
	54	60	60
	57 1/2	60	60
	60	60	60
	66	60	60
	72	60	60
	78	60	60
48	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	57	57
	57 1/2	57	57
	60	57	57
	66	57	57
	72	57	57
	78	57	57
54	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51
	57 1/2	51	51
	60	51	51
	66	51	51
	72	51	51
	78	51	51
60	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51
	57 1/2	47	47
	60	45	45
	66	45	45
	72	45	45

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
66	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51
	57 1/2	47	47
	60	45	45
	66	41	41
72	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51
	57 1/2	47	47
	60	45	45
78	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51
	57 1/2	47	47
83	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
	54	51	51



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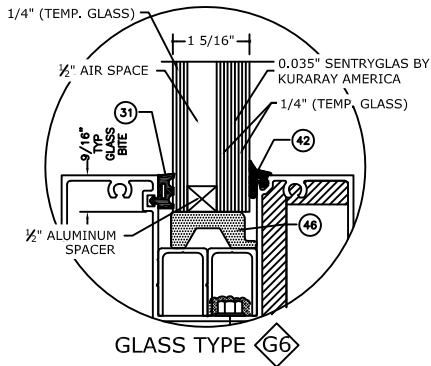
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GLASS LOADING TABLES (S.M.I.)

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
96	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
	48	57	57
101	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
108	24	60	60
	30	60	60
	36	60	60
	42	60	60
115	24	60	60
	30	60	60
	36	60	60

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
120	24	60	60
	30	60	60
	36	60	60
126	24	60	60
	30	60	60
	36	60	60
132	24	60	60
	30	60	60
144	24	60	60
	30	60	60



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	-	-	-
	-	-	-
	-	-	-
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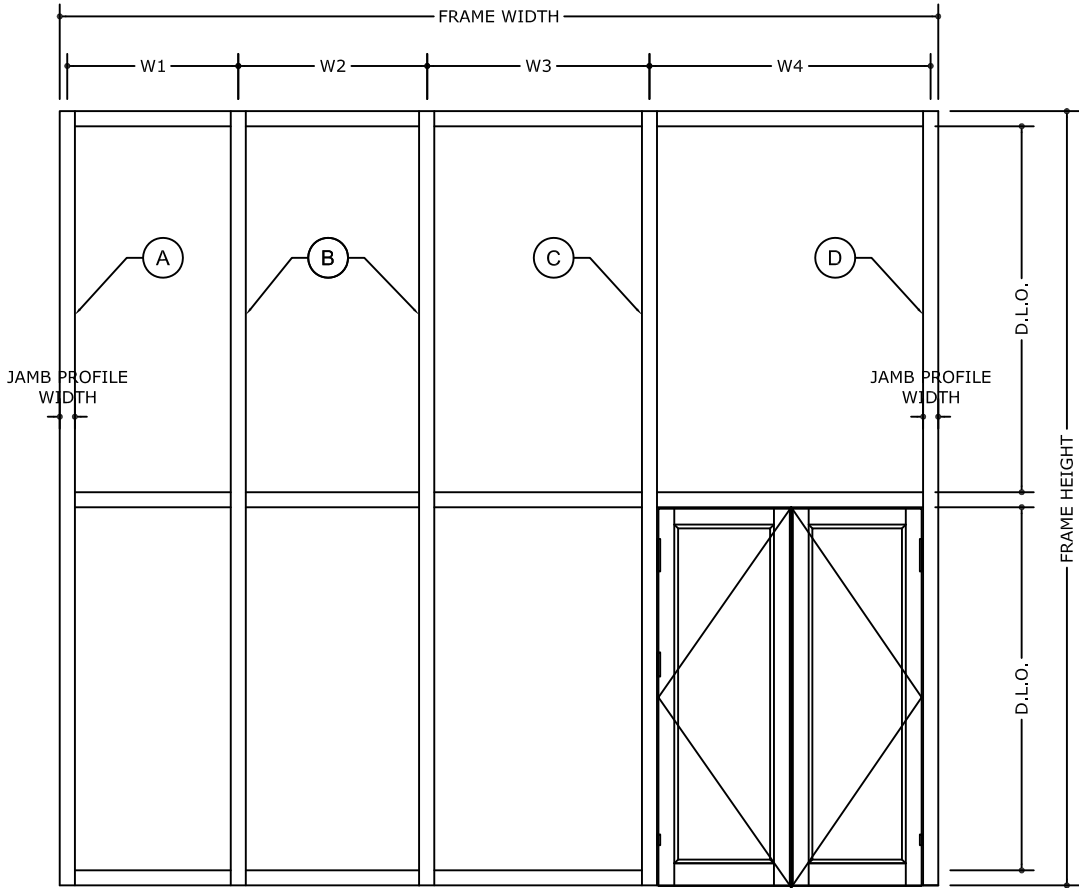
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MULLION & JAMB LOAD DETERMINATION



LOAD DETERMINATION

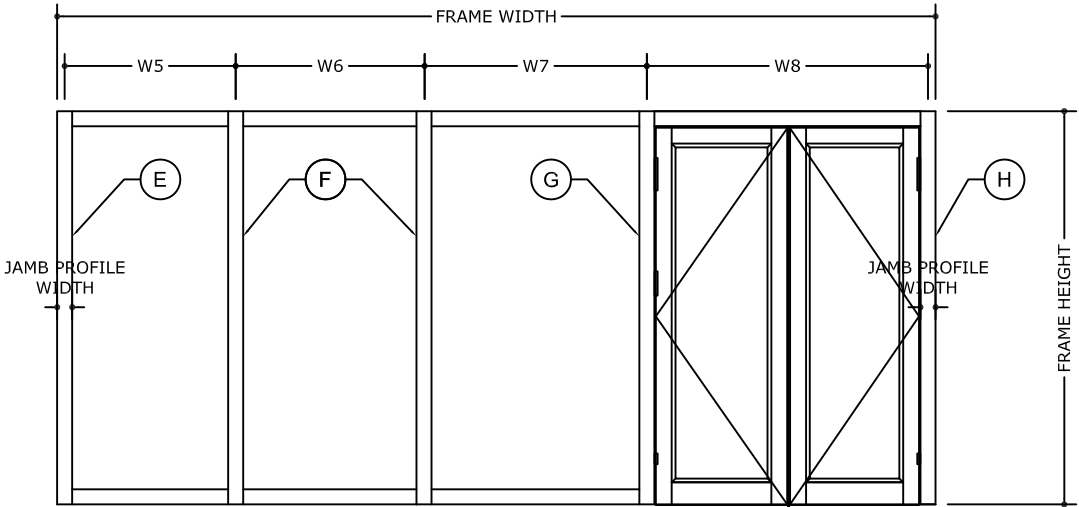
TRIBUTARY WIDTH A = $\frac{W1}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR STANDARD JAMB MULLION)

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)

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



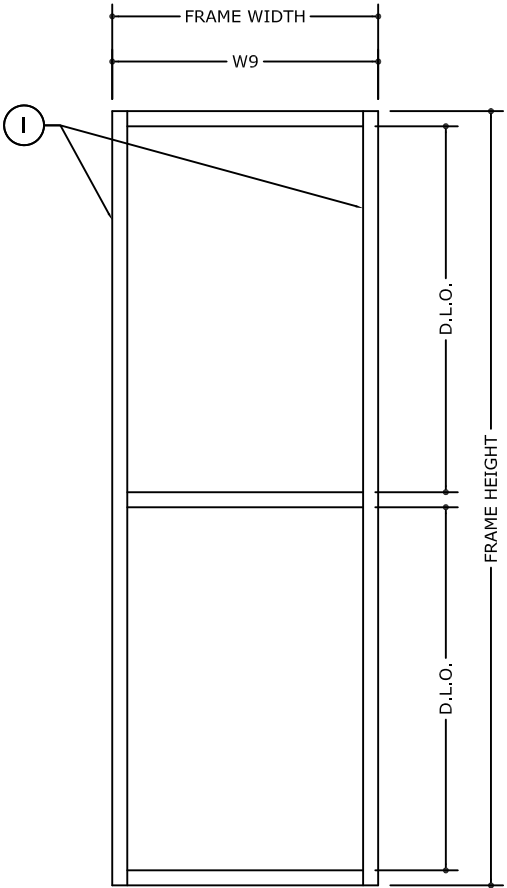
LOAD DETERMINATION

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 = $\frac{W7}{2} + \frac{W8}{4}$
(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)

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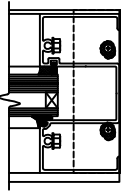
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MULLION LOADING TABLES (P.S.F.)

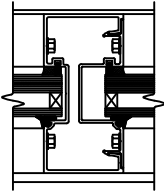
SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1		MULLION TYPE M2		MULLION TYPE M3		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
66	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
72	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
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	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
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	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
84	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	78	-	-	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75

NOTE: 1-FRAME WIDTHS = FRAME TRIBUTARY WIDTH 2-SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

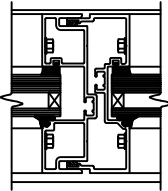
- APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY
 - JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 12 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



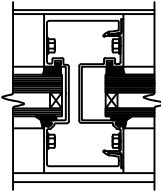
J1
DETAILS
49, 50



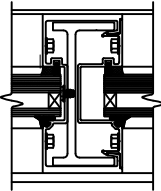
M1
DETAILS
12, 16



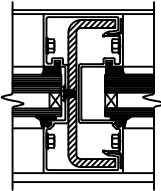
M2
DETAILS
29, 33



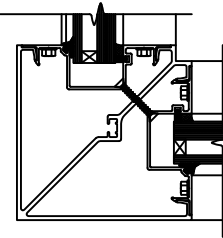
M3
DETAILS
13, 19



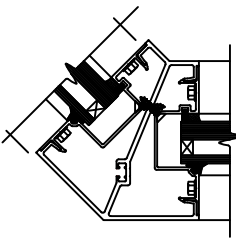
M4
DETAILS
20, 21



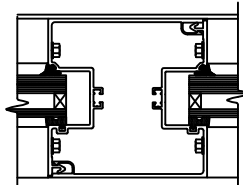
M5
DETAILS
18, 18.1



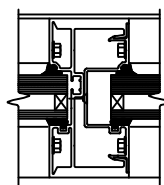
M6
DETAILS
37, 39, 46, 48



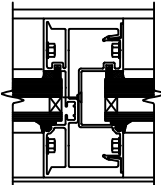
M7
DETAILS
38, 40, 42, 44



M8
DETAILS
14, 22



M9
DETAIL
13.1



M10
DETAIL
19.1

SINGLE SPAN JAMB LOADING CHART		MULLION TYPE J1	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F
36	24	90	90
	30	90	90
	36	90	90
	42	90	90
	44.75	90	90
	48	90	90
	54	90	90
	60	90	90
	66	90	90
	72	90	90
48	24	90	90
	30	90	90
	36	90	90
	42	90	90
	44.75	90	90
	48	90	90
50	24	90	90
	30	90	90
	36	90	90
	42	90	90
	44.75	90	90
	48	90	90
54	24	90	90
	30	90	90
	36	90	90
	42	90	90
	44.75	90	90
60	24	90	90
	30	90	90
	36	90	90
	42	90	90
	48	90	90
64	24	90	90
	30	90	90
	36	90	90
	42	90	90
66	24	90	90
	30	90	90
	36	86	86
72	24	90	90
	30	87	87
	36	77	77
78	24	90	90
	30	79	79

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WET AND DRY GLAZED

REMARKS	DATE
INIT ISSUE	09/17/20

20-29229g

SCALE: NTS UNLESS NOTED

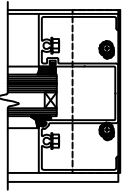
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MULLION LOADING TABLES (P.S.F.)

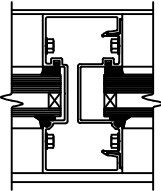
SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1		MULLION TYPE M2		MULLION TYPE M3		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
89	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	66	75	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	63	72	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
96	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	69	79	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	63	72	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	58	67	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	55	62	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	-	-	-	-	69	78	55	55	90	90	70	80	-	-	55	55	75	75
102	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	68	78	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	64	74	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	61	69	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	55	63	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	51	58	-	-	68	78	55	55	90	90	70	80	70	70	55	55	75	75
	66	-	-	-	-	63	73	55	55	90	90	70	80	70	70	55	55	75	75
	72	-	-	-	-	-	-	-	-	90	90	-	-	-	-	-	-	75	75
108	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	69	79	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	60	69	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	57	65	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	53	61	70	70	70	79	55	55	90	90	70	80	70	70	55	55	75	75
	54	48	55	70	70	65	72	55	55	90	90	70	80	70	70	55	55	75	75
	60	44	51	70	70	60	66	55	55	90	90	70	80	70	70	55	55	75	75
	66	-	-	-	-	56	62	-	-	86	90	-	-	-	-	-	-	75	75
	72	-	-	-	-	-	-	-	-	82	90	-	-	-	-	-	-	75	75
	78	-	-	-	-	-	-	-	-	79	90	-	-	-	-	-	-	-	-

NOTE: 1-FRAME WIDTHS = FRAME TRIBUTARY WIDTH 2-SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

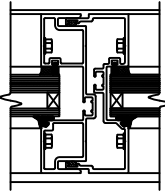
- APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY
 - JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 12 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



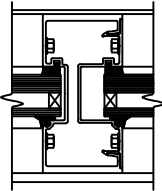
J1
DETAILS
49, 50



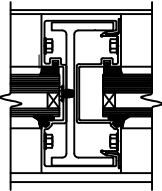
M1
DETAILS
12, 16



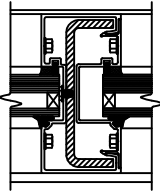
M2
DETAILS
29, 33



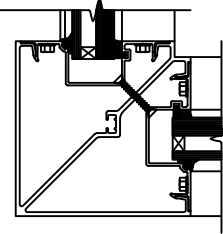
M3
DETAILS
13, 19



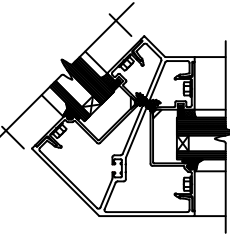
M4
DETAILS
20, 21



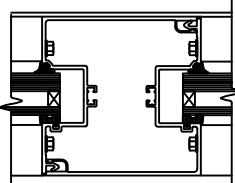
M5
DETAILS
18, 18.1



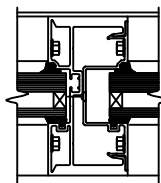
M6
DETAILS
37, 39, 46, 48



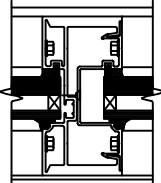
M7
DETAILS
38, 40, 42, 44



M8
DETAILS
14, 22



M9
DETAIL
13.1



M10
DETAIL
19.1

SINGLE SPAN JAMB LOADING CHART		MULLION TYPE J1	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F
84	24	86	86
	30	90	90
89	24	81	81
96	24	74	74
102	24	69	69
108	24	65	65



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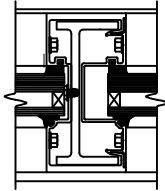
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MULLION LOADING TABLES (P.S.F.)

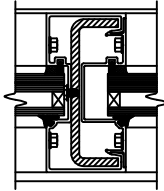
SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
132	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	90	90	70	80	-	-	55	55	75	75
	42	55	55	90	90	70	80	-	-	55	55	75	75
	44.75	55	55	86	90	70	80	-	-	55	55	73	73
	48	55	55	81	90	70	75	-	-	55	55	69	69
	54	-	-	73	83	-	-	-	-	-	-	62	62
	60	-	-	66	76	-	-	-	-	-	-	-	-
138	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	90	90	70	80	-	-	55	55	75	75
	42	55	55	84	90	70	80	-	-	55	55	70	70
	44.75	55	55	79	90	70	74	-	-	55	55	66	66
	48	55	55	74	84	65	65	-	-	55	55	62	62
	54	-	-	66	76	-	-	-	-	-	-	56	56
	60	-	-	60	69	-	-	-	-	-	-	-	-
144	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	89	90	70	75	-	-	55	55	71	71
	42	55	55	76	87	65	65	-	-	55	55	62	62
	44.75	55	55	72	82	61	61	-	-	55	55	58	58
	48	55	55	67	77	57	57	-	-	55	55	54	54
	54	-	-	61	69	-	-	-	-	-	-	49	49
	60	-	-	55	63	-	-	-	-	-	-	-	-
146	24	-	-	-	-	-	-	-	-	-	-	75	75
	30	-	-	-	-	-	-	-	-	-	-	75	75
	36	-	-	-	-	-	-	-	-	-	-	68	68
	42	-	-	-	-	-	-	-	-	-	-	59	59
	44.75	-	-	-	-	-	-	-	-	-	-	56	56
	48	-	-	-	-	-	-	-	-	-	-	52	52

NOTE: FRAME WIDTHS = FRAME TRIBUTARY WIDTH

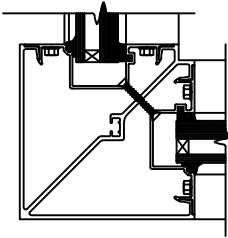
NOTE: SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)



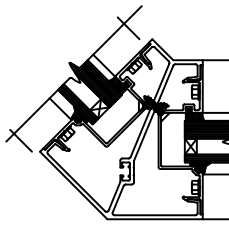
M4
DETAILS
20, 21



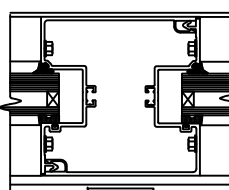
M5
DETAILS
18, 18.1



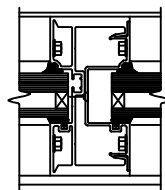
M6
DETAILS
37, 39, 46, 48



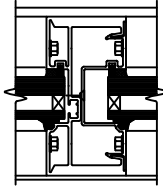
M7
DETAILS
38, 40, 42, 44



M8
DETAILS
14, 22



M9
DETAIL
13.1



M10
DETAIL
19.1



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

02/16/2021

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WET AND DRY GLAZED

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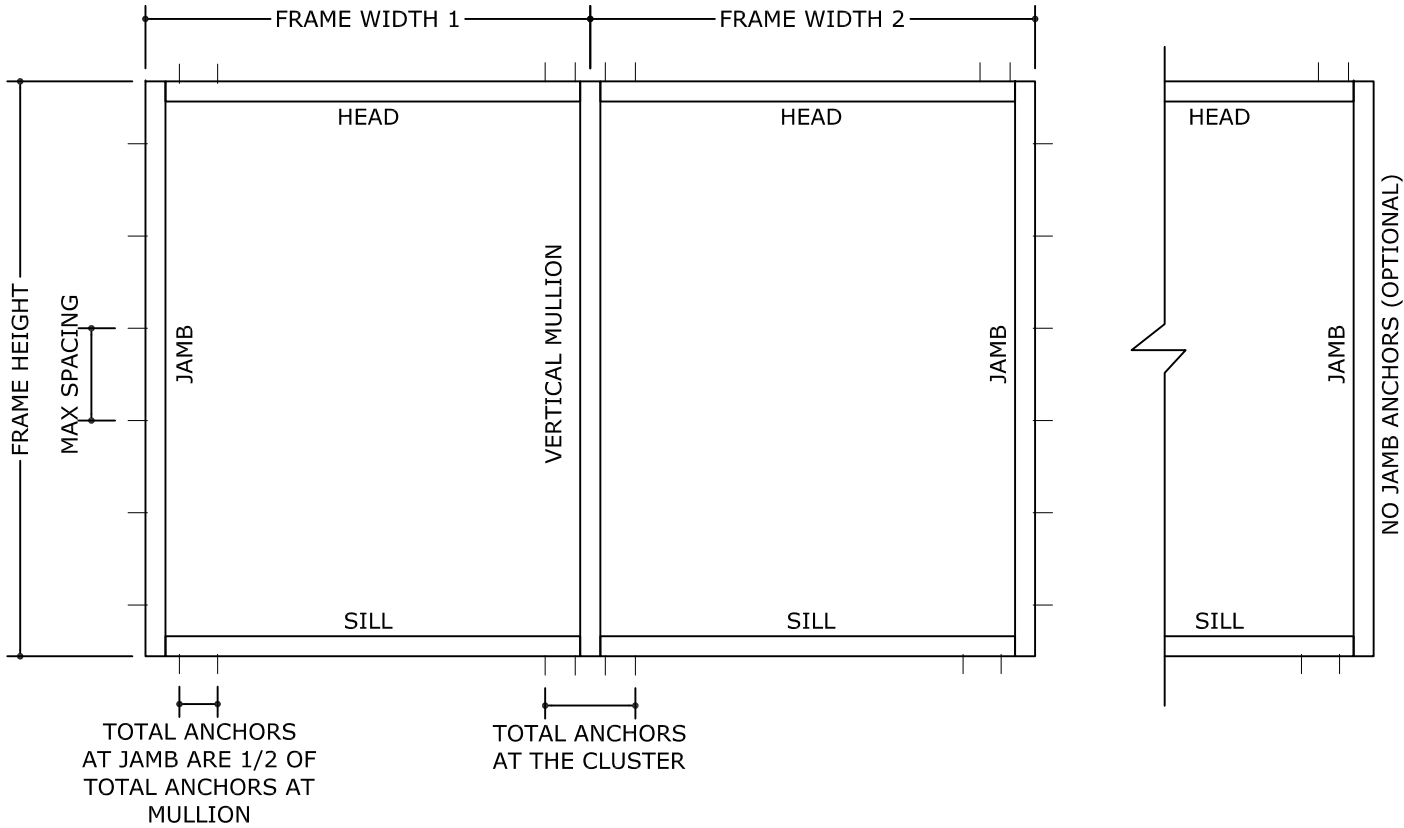
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FASTENER SCHEDULE



FASTENER SCHEDULE							
ANCHOR TYPE	ANCHOR DIAMETER	TYPE	MANUFACTURER	SUBSTRATE	MIN EMBEDMENT (IN)	MIN EDGE DISTANCE (IN)	SPACING (IN)
A	1/4"	ULTRACON ANCHOR	DEWALT	POURED CONCRETE 3000 PSI MIN	1-3/4	2-1/2	4" O.C.
B	1/4"-14	DRIL-FLEX HEX WASHER HEAD SELF DRILLING SCREW	DEWALT	16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL	FULL	1-1/2	4" O.C.
				1/8" STEEL-A36			
				1/8" ALUMINUM-6063-T6			
C	1/4"	ULTRACON ANCHOR OR LAG SCREW	DEWALT	2X WOOD BUCK G=0.55	1-1/2	1-1/2	4" O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A							
		2		4		6		8	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	36	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	48	75	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	60	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	50	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	78	46	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
48	24	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	36	75	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	56	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	60	45	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	37	24"O.C.	75	24"O.C.	90	16"O.C.	90	16"O.C.
	78	34	24"O.C.	69	24"O.C.	90	16"O.C.	90	16"O.C.
60	24	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	36	60	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	45	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	60	36	30"O.C.	72	30"O.C.	90	20"O.C.	90	20"O.C.
	72	30	30"O.C.	60	30"O.C.	90	20"O.C.	90	20"O.C.
	78	27	30"O.C.	55	30"O.C.	83	20"O.C.	90	15"O.C.
72	24	75	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	50	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	37	36"O.C.	75	36"O.C.	90	24"O.C.	90	24"O.C.
	60	30	36"O.C.	60	36"O.C.	90	24"O.C.	90	24"O.C.
	72	25	36"O.C.	50	36"O.C.	75	24"O.C.	90	18"O.C.
	78	23	36"O.C.	46	36"O.C.	69	24"O.C.	90	18"O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	64	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	42	42"O.C.	85	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	48	32	42"O.C.	64	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	60	25	42"O.C.	51	42"O.C.	77	28"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.
	72	21	42"O.C.	42	42"O.C.	64	28"O.C.	85	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
	78	19	42"O.C.	39	42"O.C.	59	28"O.C.	79	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
96	24	56	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	37	48"O.C.	75	48"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.
	48	28	48"O.C.	56	48"O.C.	84	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	60	22	48"O.C.	45	48"O.C.	67	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	18	48"O.C.	37	48"O.C.	56	32"O.C.	75	24"O.C.	90	19"O.C.	90	19"O.C.	90	19"O.C.
	78	17	48"O.C.	34	48"O.C.	51	32"O.C.	69	24"O.C.	86	19"O.C.	90	16"O.C.	90	16"O.C.
108	24	50	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.
	36	33	54"O.C.	66	54"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	25	54"O.C.	50	54"O.C.	75	36"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.
	60	20	54"O.C.	40	54"O.C.	60	36"O.C.	80	27"O.C.	90	22"O.C.	90	22"O.C.	90	22"O.C.
	72	16	54"O.C.	33	54"O.C.	50	36"O.C.	66	27"O.C.	83	22"O.C.	90	18"O.C.	90	18"O.C.
	78	15	54"O.C.	30	54"O.C.	46	36"O.C.	61	27"O.C.	76	22"O.C.	90	18"O.C.	90	18"O.C.
120	24	45	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.
	36	30	60"O.C.	60	60"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.
	48	22	60"O.C.	45	60"O.C.	67	40"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	60	18	60"O.C.	36	60"O.C.	54	40"O.C.	72	30"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	15	60"O.C.	30	60"O.C.	45	40"O.C.	60	30"O.C.	75	24"O.C.	90	20"O.C.	90	20"O.C.
	78	13	60"O.C.	27	60"O.C.	41	40"O.C.	55	30"O.C.	69	24"O.C.	83	20"O.C.	90	17"O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	40	66"O.C.	81	66"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.
	36	27	66"O.C.	54	66"O.C.	81	44"O.C.	90	33"O.C.	90	33"O.C.	90	33"O.C.	90	33"O.C.
	48	20	66"O.C.	40	66"O.C.	61	44"O.C.	81	33"O.C.	90	26"O.C.	90	26"O.C.	90	26"O.C.
	60	16	66"O.C.	32	66"O.C.	49	44"O.C.	65	33"O.C.	81	26"O.C.	90	22"O.C.	90	22"O.C.
	72	13	66"O.C.	27	66"O.C.	40	44"O.C.	54	33"O.C.	68	26"O.C.	81	22"O.C.	90	19"O.C.
	78	12	66"O.C.	25	66"O.C.	37	44"O.C.	50	33"O.C.	62	26"O.C.	75	22"O.C.	90	17"O.C.
144	24	37	72"O.C.	75	72"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	25	72"O.C.	50	72"O.C.	75	48"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	18	72"O.C.	37	72"O.C.	56	48"O.C.	75	36"O.C.	90	29"O.C.	90	29"O.C.	90	29"O.C.
	60	15	72"O.C.	30	72"O.C.	45	48"O.C.	60	36"O.C.	75	29"O.C.	90	24"O.C.	90	24"O.C.
	72	12	72"O.C.	25	72"O.C.	37	48"O.C.	50	36"O.C.	62	29"O.C.	75	24"O.C.	90	18"O.C.
	78	11	72"O.C.	23	72"O.C.	34	48"O.C.	46	36"O.C.	57	29"O.C.	69	24"O.C.	90	18"O.C.

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WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B			
		2		4	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.
	36	90	18"O.C.	90	18"O.C.
	48	90	18"O.C.	90	18"O.C.
	60	90	18"O.C.	90	18"O.C.
	72	90	18"O.C.	90	18"O.C.
	78	90	18"O.C.	90	18"O.C.
48	24	90	24"O.C.	90	24"O.C.
	36	90	24"O.C.	90	24"O.C.
	48	90	24"O.C.	90	24"O.C.
	60	90	24"O.C.	90	24"O.C.
	72	83	24"O.C.	90	24"O.C.
	78	76	24"O.C.	90	24"O.C.
60	24	90	30"O.C.	90	30"O.C.
	36	90	30"O.C.	90	30"O.C.
	48	90	30"O.C.	90	30"O.C.
	60	80	30"O.C.	90	30"O.C.
	72	66	30"O.C.	90	30"O.C.
	78	61	30"O.C.	90	30"O.C.
72	24	90	36"O.C.	90	36"O.C.
	36	90	36"O.C.	90	36"O.C.
	48	83	36"O.C.	90	36"O.C.
	60	66	36"O.C.	90	36"O.C.
	72	55	36"O.C.	90	36"O.C.
	78	51	36"O.C.	90	36"O.C.

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WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B					
		2		4		6	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	90	42"O.C.	90	42"O.C.	90	42"O.C.
	48	71	42"O.C.	90	42"O.C.	90	42"O.C.
	60	57	42"O.C.	90	42"O.C.	90	42"O.C.
	72	47	42"O.C.	90	42"O.C.	90	42"O.C.
	78	43	42"O.C.	87	42"O.C.	90	28"O.C.
96	24	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	83	48"O.C.	90	48"O.C.	90	48"O.C.
	48	62	48"O.C.	90	48"O.C.	90	48"O.C.
	60	50	48"O.C.	90	48"O.C.	90	48"O.C.
	72	41	48"O.C.	83	48"O.C.	90	32"O.C.
	78	38	48"O.C.	76	48"O.C.	90	32"O.C.
108	24	90	54"O.C.	90	54"O.C.	90	54"O.C.
	36	74	54"O.C.	90	54"O.C.	90	54"O.C.
	48	55	54"O.C.	90	54"O.C.	90	54"O.C.
	60	44	54"O.C.	88	54"O.C.	90	36"O.C.
	72	37	54"O.C.	74	54"O.C.	90	36"O.C.
	78	34	54"O.C.	68	54"O.C.	90	36"O.C.
120	24	90	60"O.C.	90	60"O.C.	90	60"O.C.
	36	66	60"O.C.	90	60"O.C.	90	60"O.C.
	48	50	60"O.C.	90	60"O.C.	90	60"O.C.
	60	40	60"O.C.	80	60"O.C.	90	40"O.C.
	72	33	60"O.C.	66	60"O.C.	90	40"O.C.
	78	30	60"O.C.	61	60"O.C.	90	40"O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B							
		2		4		6		8	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	90	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	36	60	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	48	45	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	60	36	66"O.C.	72	66"O.C.	90	44"O.C.	90	44"O.C.
	72	30	66"O.C.	60	66"O.C.	90	44"O.C.	90	44"O.C.
	78	27	66"O.C.	55	66"O.C.	83	44"O.C.	90	33"O.C.
144	24	83	72"O.C.	90	72"O.C.	90	72"O.C.	90	72"O.C.
	36	55	72"O.C.	90	72"O.C.	90	72"O.C.	90	72"O.C.
	48	41	72"O.C.	83	72"O.C.	90	48"O.C.	90	48"O.C.
	60	33	72"O.C.	66	72"O.C.	90	48"O.C.	90	48"O.C.
	72	27	72"O.C.	55	72"O.C.	83	48"O.C.	90	36"O.C.
	78	25	72"O.C.	51	72"O.C.	76	48"O.C.	90	36"O.C.

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FG-5750 STORMMAX[®]NON-THERMAL IMPACT STOREFRONT SYSTEM
WET AND DRY GLAZED

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	09/17/20
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	-	-	-
	-	-	-
	-	-	-

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C											
		2		4		6		8		10		12	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	36	75	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	48	56	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	45	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	37	18"O.C.	75	18"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
	78	34	18"O.C.	69	18"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
48	24	85	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	36	56	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	42	24"O.C.	85	24"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.
	60	34	24"O.C.	68	24"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.
	72	28	24"O.C.	56	24"O.C.	85	16"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
	78	26	24"O.C.	52	24"O.C.	78	16"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
60	24	68	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	36	45	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	34	30"O.C.	68	30"O.C.	90	20"O.C.	90	20"O.C.	90	20"O.C.	90	20"O.C.
	60	27	30"O.C.	54	30"O.C.	81	20"O.C.	90	15"O.C.	90	15"O.C.	90	15"O.C.
	72	22	30"O.C.	45	30"O.C.	68	20"O.C.	90	15"O.C.	90	15"O.C.	90	15"O.C.
	78	20	30"O.C.	41	30"O.C.	62	20"O.C.	83	15"O.C.	90	12"O.C.	90	12"O.C.
72	24	56	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	37	36"O.C.	75	36"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	28	36"O.C.	56	36"O.C.	85	24"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	22	36"O.C.	45	36"O.C.	68	24"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	18	36"O.C.	37	36"O.C.	56	24"O.C.	75	18"O.C.	90	14"O.C.	90	14"O.C.
	78	17	36"O.C.	34	36"O.C.	52	24"O.C.	69	18"O.C.	87	14"O.C.	90	12"O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	48	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	32	42"O.C.	64	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	48	24	42"O.C.	48	42"O.C.	72	28"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.
	60	19	42"O.C.	38	42"O.C.	58	28"O.C.	77	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
	72	16	42"O.C.	32	42"O.C.	48	28"O.C.	64	21"O.C.	80	17"O.C.	90	14"O.C.	90	14"O.C.
	78	14	42"O.C.	29	42"O.C.	44	28"O.C.	59	21"O.C.	74	17"O.C.	89	14"O.C.	90	12"O.C.
96	24	42	48"O.C.	85	48"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.
	36	28	48"O.C.	56	48"O.C.	85	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	21	48"O.C.	42	48"O.C.	63	32"O.C.	85	24"O.C.	90	19"O.C.	90	19"O.C.	90	19"O.C.
	60	17	48"O.C.	34	48"O.C.	51	32"O.C.	68	24"O.C.	85	19"O.C.	90	16"O.C.	90	16"O.C.
	72	14	48"O.C.	28	48"O.C.	42	32"O.C.	56	24"O.C.	70	19"O.C.	85	16"O.C.	90	14"O.C.
	78	13	48"O.C.	26	48"O.C.	39	32"O.C.	52	24"O.C.	65	19"O.C.	78	16"O.C.	90	14"O.C.
108	24	37	54"O.C.	75	54"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	25	54"O.C.	50	54"O.C.	75	36"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.
	48	18	54"O.C.	37	54"O.C.	56	36"O.C.	75	27"O.C.	90	22"O.C.	90	22"O.C.	90	22"O.C.
	60	15	54"O.C.	30	54"O.C.	45	36"O.C.	60	27"O.C.	75	22"O.C.	90	18"O.C.	90	18"O.C.
	72	12	54"O.C.	25	54"O.C.	37	36"O.C.	50	27"O.C.	62	22"O.C.	75	18"O.C.	90	14"O.C.
	78	11	54"O.C.	23	54"O.C.	34	36"O.C.	46	27"O.C.	58	22"O.C.	69	18"O.C.	90	14"O.C.
120	24	34	60"O.C.	68	60"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.
	36	22	60"O.C.	45	60"O.C.	68	40"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	17	60"O.C.	34	60"O.C.	51	40"O.C.	68	30"O.C.	85	24"O.C.	90	20"O.C.	90	20"O.C.
	60	13	60"O.C.	27	60"O.C.	40	40"O.C.	54	30"O.C.	68	24"O.C.	81	20"O.C.	90	17"O.C.
	72	11	60"O.C.	22	60"O.C.	34	40"O.C.	45	30"O.C.	56	24"O.C.	68	20"O.C.	90	15"O.C.
	78	10	60"O.C.	20	60"O.C.	31	40"O.C.	41	30"O.C.	52	24"O.C.	62	20"O.C.	83	15"O.C.

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS
WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	30	66"O.C.	61	66"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.
	36	20	66"O.C.	41	66"O.C.	61	44"O.C.	82	33"O.C.	90	26"O.C.	90	26"O.C.	90	26"O.C.
	48	15	66"O.C.	30	66"O.C.	46	44"O.C.	61	33"O.C.	77	26"O.C.	90	22"O.C.	90	22"O.C.
	60	12	66"O.C.	24	66"O.C.	37	44"O.C.	49	33"O.C.	61	26"O.C.	74	22"O.C.	90	17"O.C.
	72	10	66"O.C.	20	66"O.C.	30	44"O.C.	41	33"O.C.	51	26"O.C.	61	22"O.C.	82	17"O.C.
	78	9	66"O.C.	19	66"O.C.	28	44"O.C.	38	33"O.C.	47	26"O.C.	57	22"O.C.	76	17"O.C.
144	24	28	72"O.C.	56	72"O.C.	85	48"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	18	72"O.C.	37	72"O.C.	56	48"O.C.	75	36"O.C.	90	29"O.C.	90	29"O.C.	90	29"O.C.
	48	14	72"O.C.	28	72"O.C.	42	48"O.C.	56	36"O.C.	70	29"O.C.	85	24"O.C.	90	21"O.C.
	60	11	72"O.C.	22	72"O.C.	34	48"O.C.	45	36"O.C.	56	29"O.C.	68	24"O.C.	90	18"O.C.
	72	9	72"O.C.	18	72"O.C.	28	48"O.C.	37	36"O.C.	47	29"O.C.	56	24"O.C.	75	18"O.C.
	78	8	72"O.C.	17	72"O.C.	26	48"O.C.	34	36"O.C.	43	29"O.C.	52	24"O.C.	69	18"O.C.

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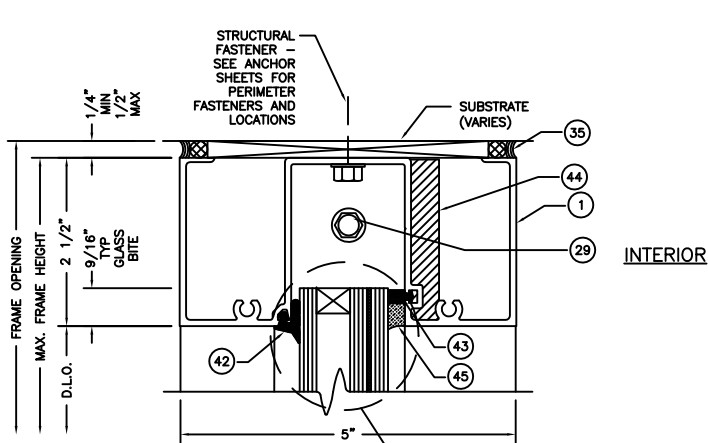
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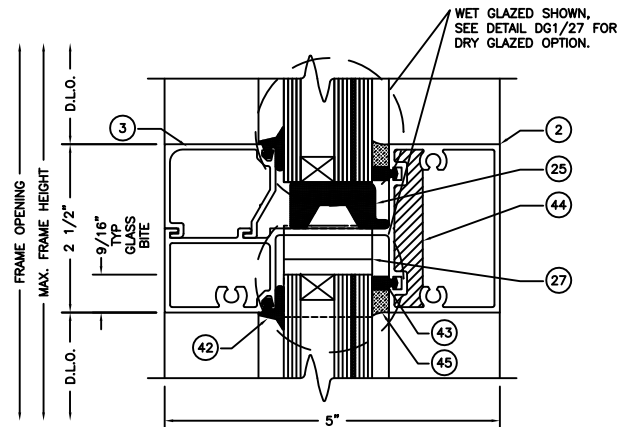
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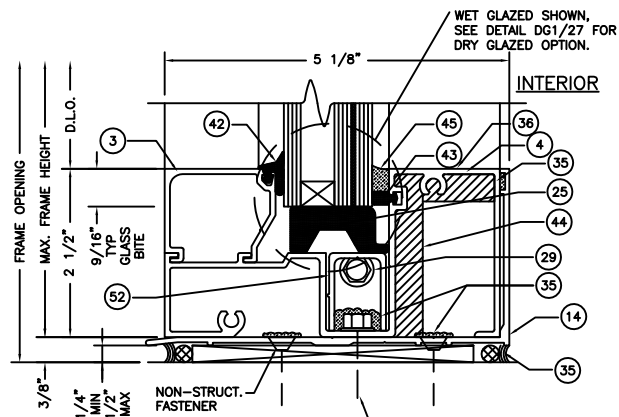
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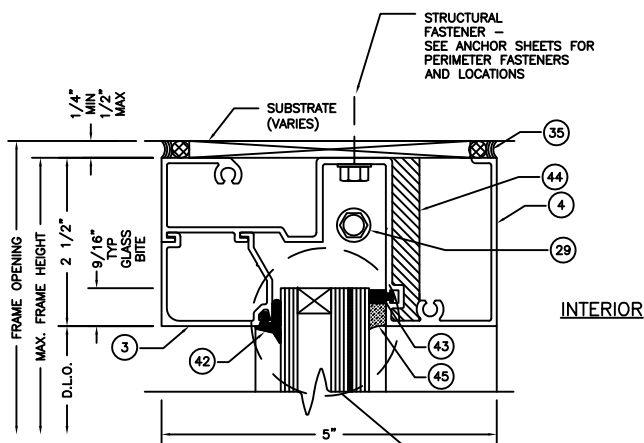
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3
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SILL

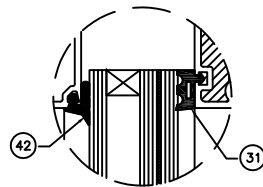
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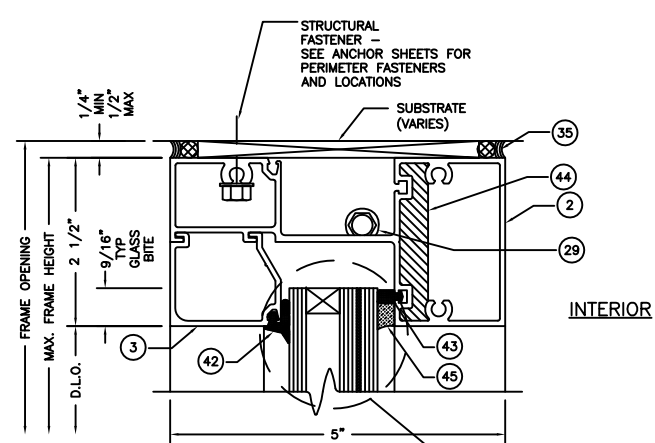
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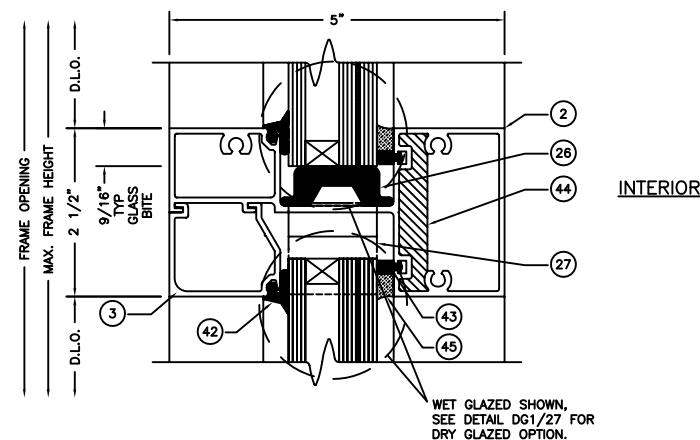
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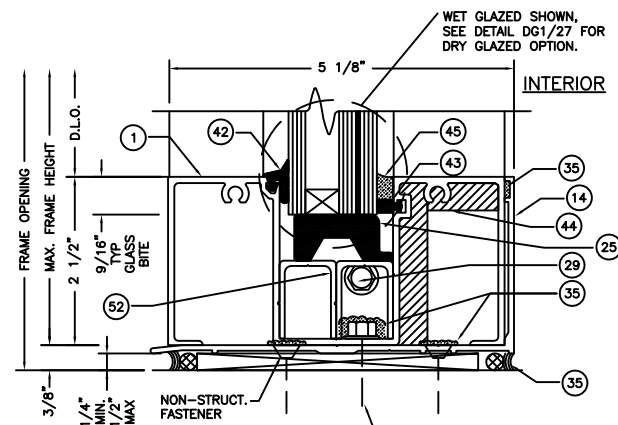
ALTERNATE INVERTED HEAD

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5
27

INVERTED INTERMEDIATE HORIZONTAL



6
27

INVERTED SILL

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LOCATE REINFORCEMENT FASTENERS
1" FROM EACH END.

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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JEM	AJP	09/17/20

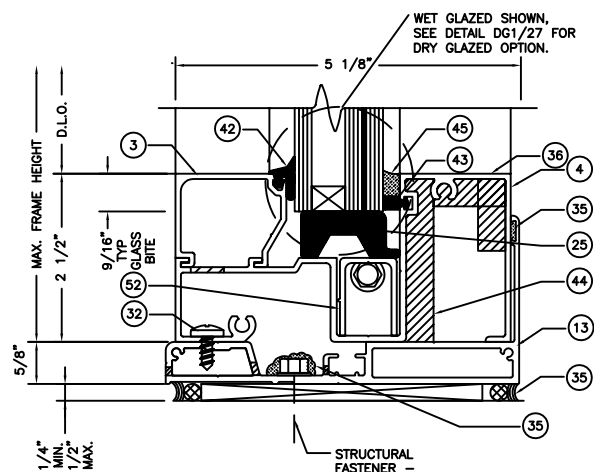
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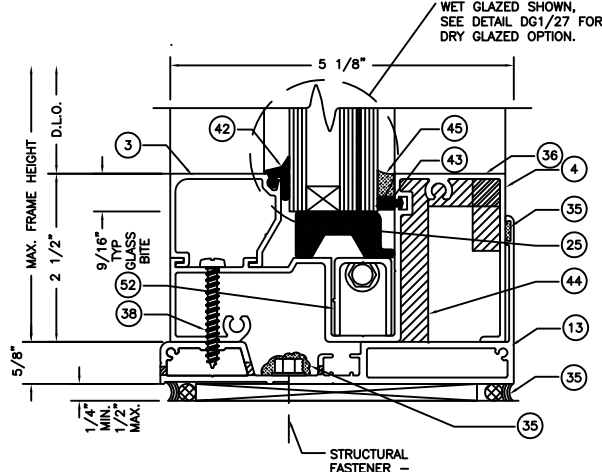
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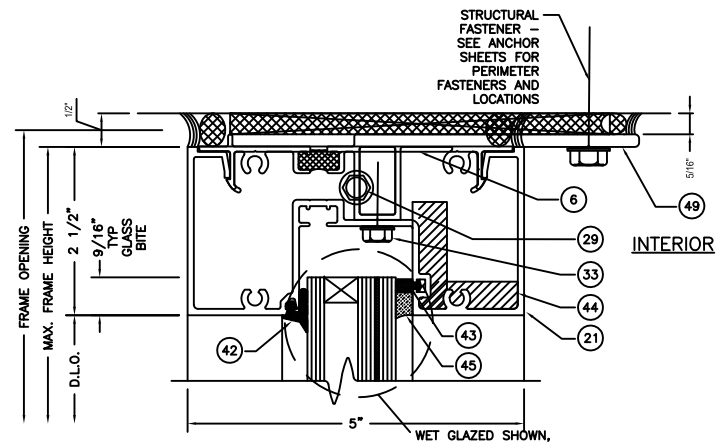
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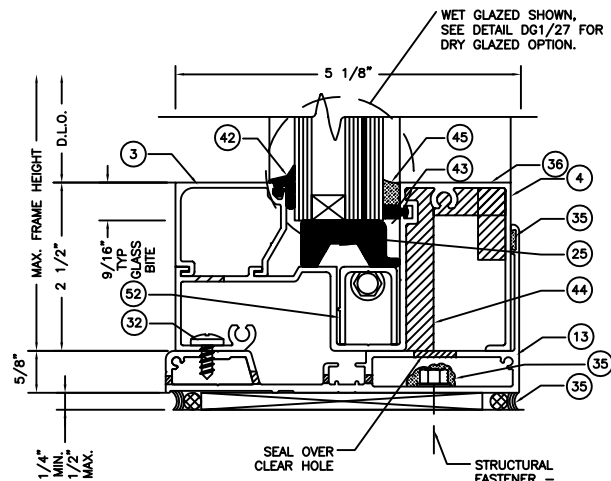
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LIMITED TO +70 / -70 P.S.F



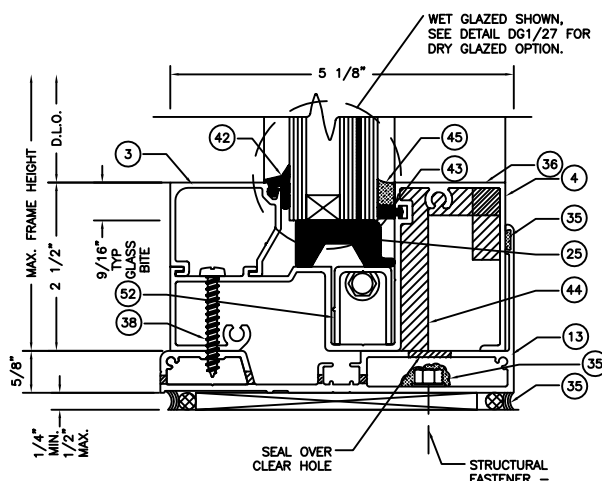
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28 ALTERNATE SILL 2
LIMITED TO +70 / -70 P.S.F



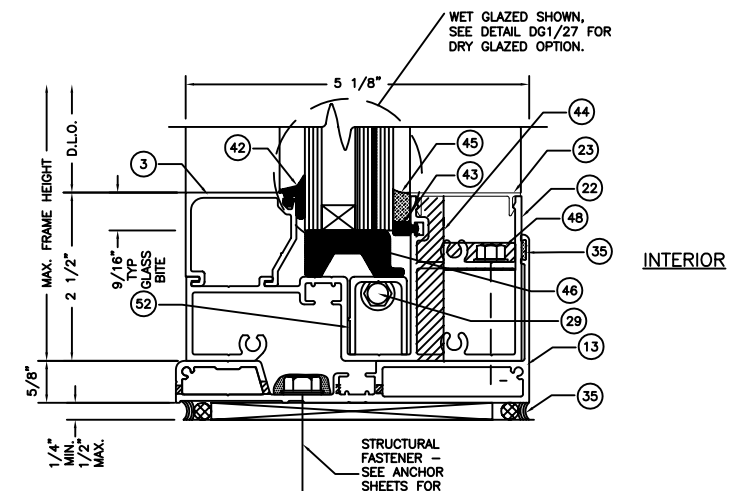
9
28 PRE-GLAZE HEAD
LIMITED TO +75 / -75 P.S.F



7A
28 ALTERNATE SILL 1A
LIMITED TO +70 / -70 P.S.F



8A
28 ALTERNATE SILL 2A
LIMITED TO +70 / -70 P.S.F



10
28 PRE-GLAZED SILL
LIMITED TO +75 / -75 P.S.F

LOCATE REINFORCEMENT FASTENERS
1" FROM EACH END.

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



02/16/2021

FL#20665.2



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WET AND DRY GLAZED

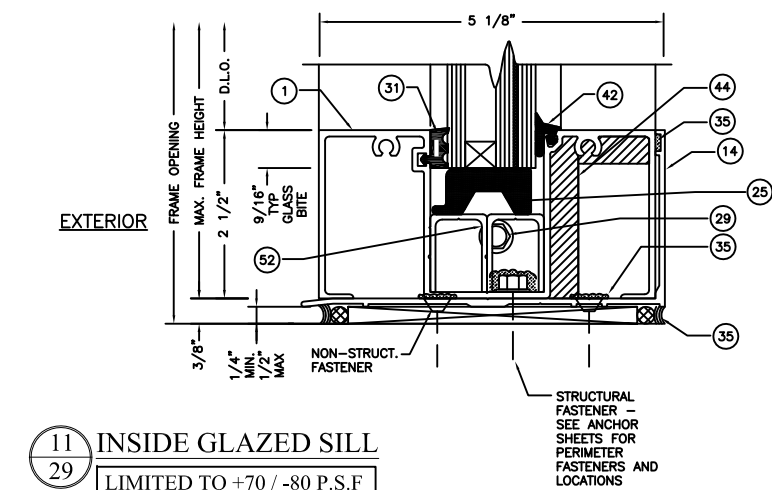
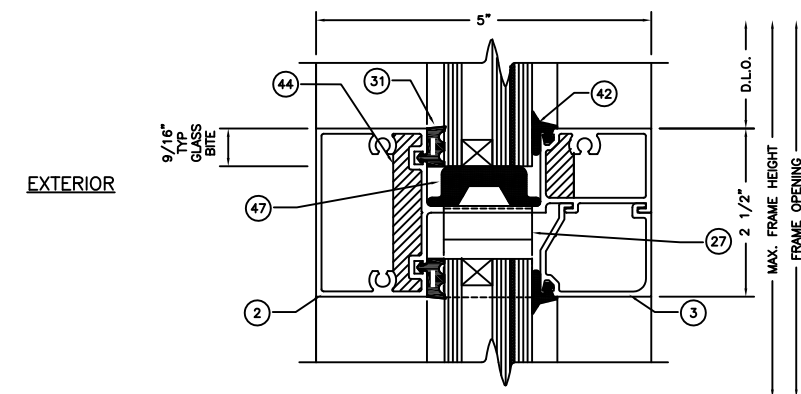
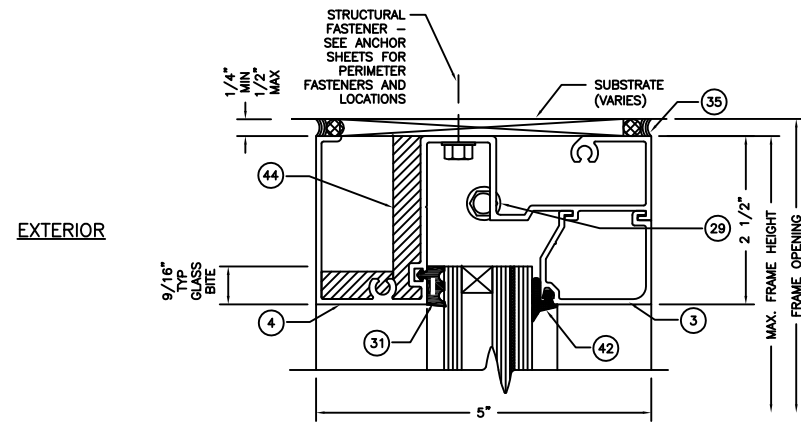
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INIT ISSUE	JEM	AJP	09/17/20

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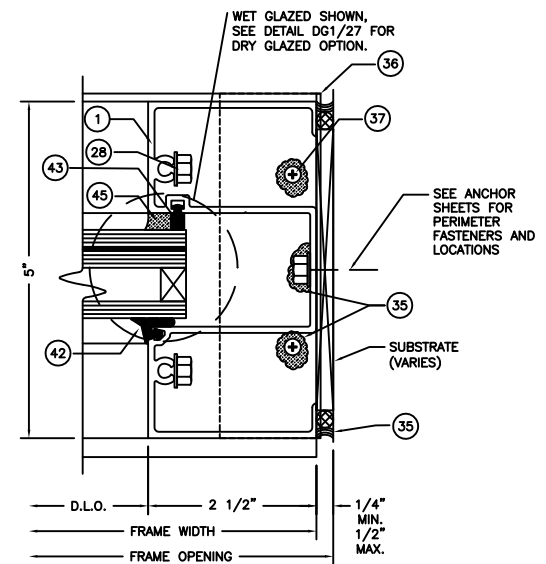
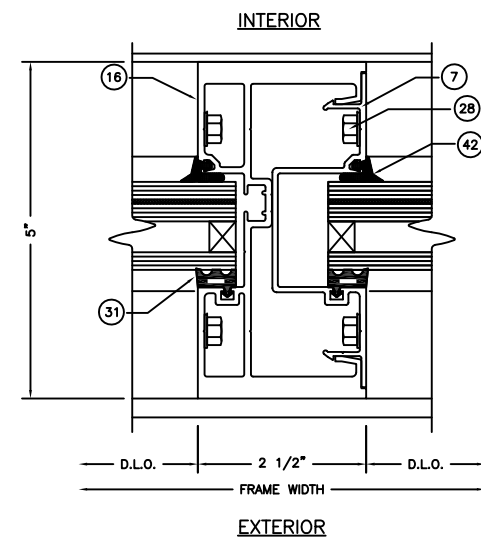
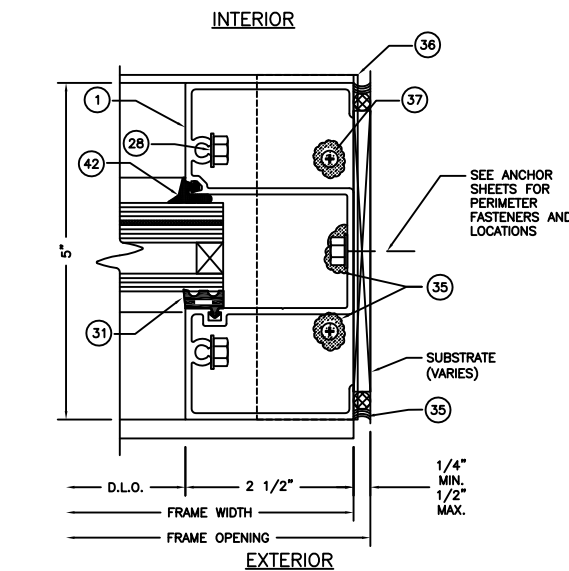
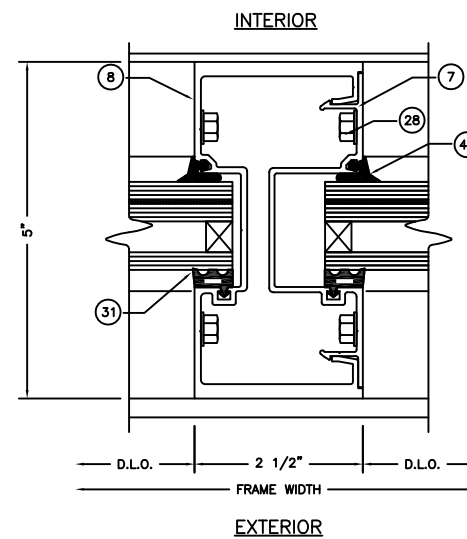
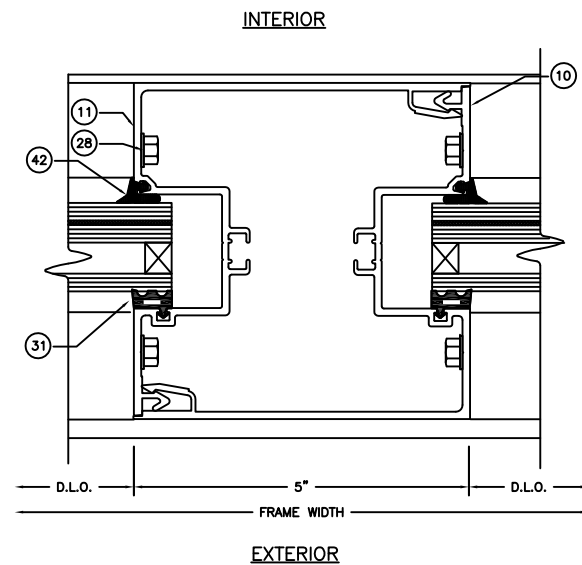
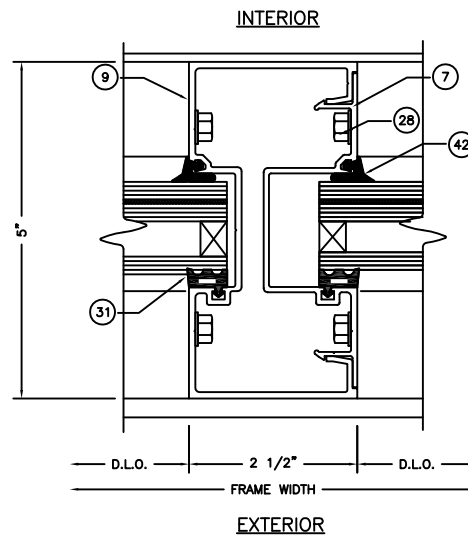
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LOCATE REINFORCEMENT FASTENERS
1" FROM EACH END.



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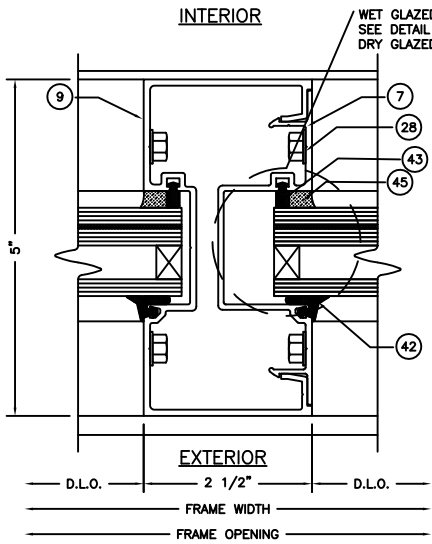
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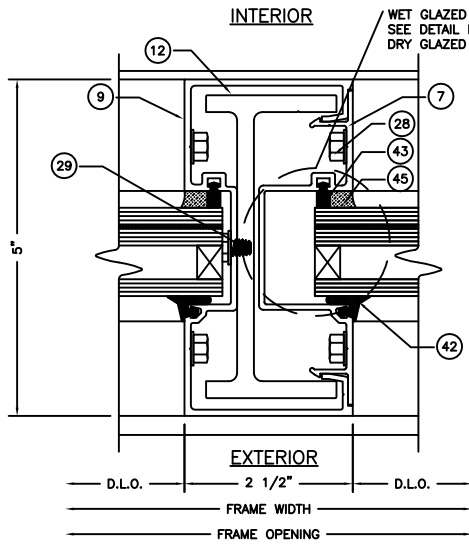
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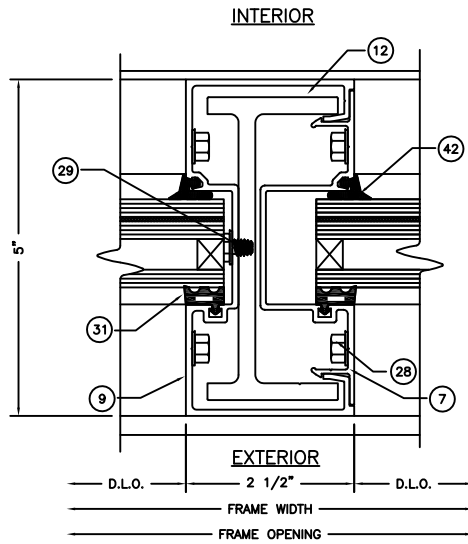


16
30 STANDARD VERTICAL
M1



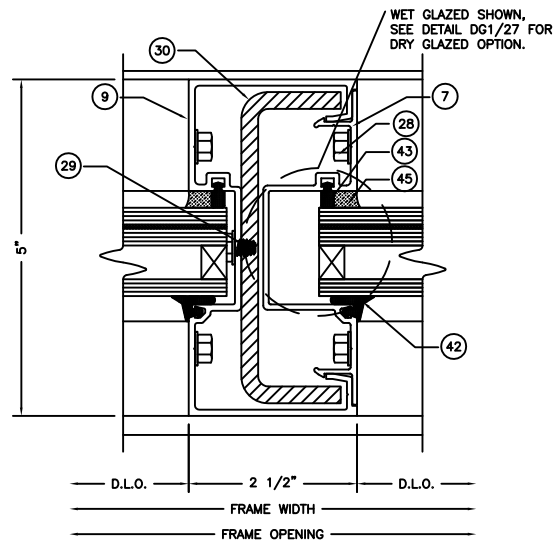
17
30 VERTICAL WITH
ALUMINUM REINFORCEMENT

NOTE:
MULLION CAN BE USED UNDER SITE SPECIFIC
ENGINEERING AND SHALL BE APPROVED BY
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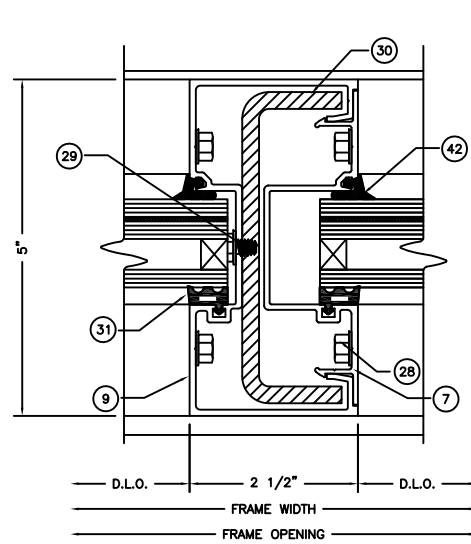


17.1
30 INSIDE SET VERTICAL WITH
ALUMINUM REINFORCEMENT

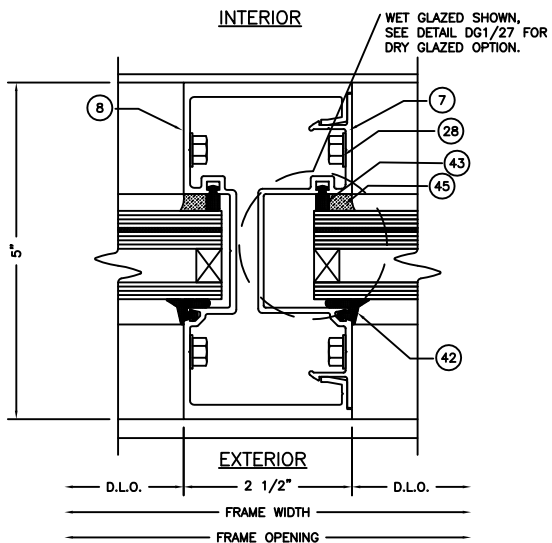
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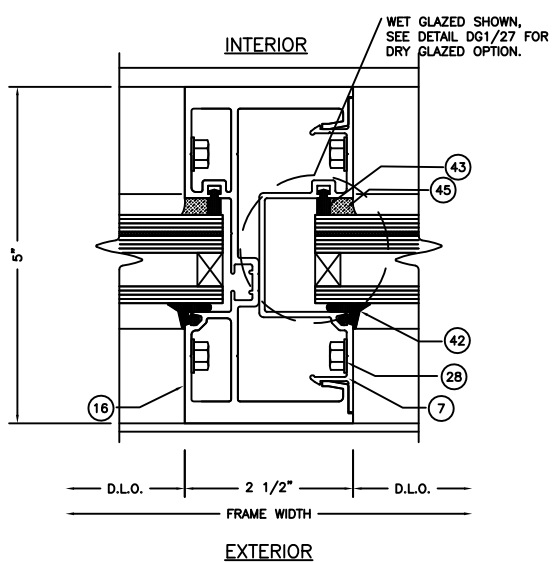
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30 VERTICAL WITH
STEEL REINFORCEMENT
M5



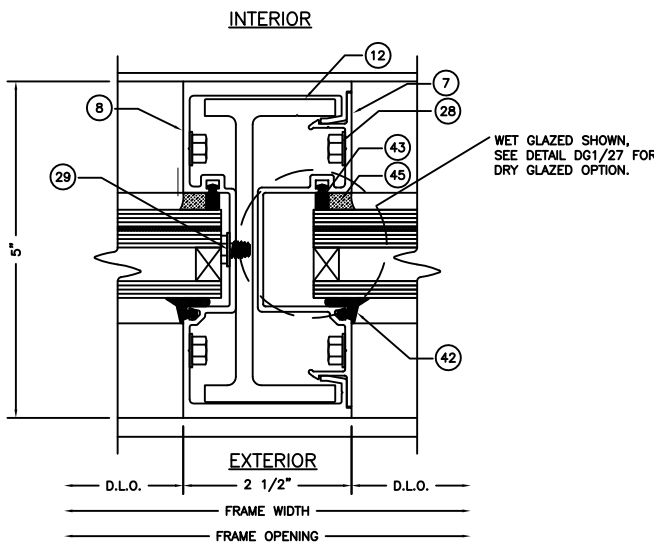
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STEEL REINFORCEMENT
M5



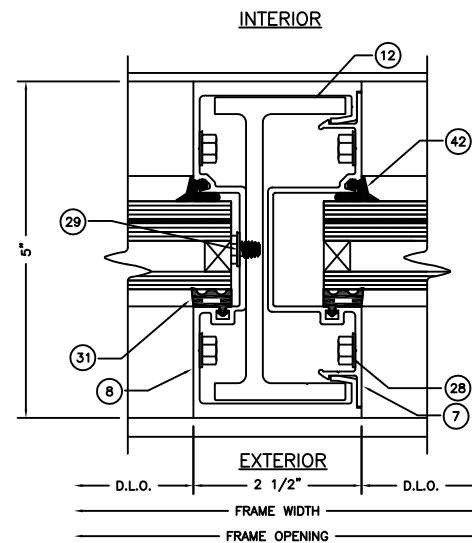
19
30 HEAVY VERTICAL
M3



19.1
30 HEAVY VERTICAL
M10



20
30 HEAVY VERTICAL WITH
ALUMINUM REINFORCEMENT
M4



21
30 INSIDE SET HEAVY VERTICAL WITH
ALUMINUM REINFORCEMENT
M4

LOCATE REINFORCEMENT FASTENERS
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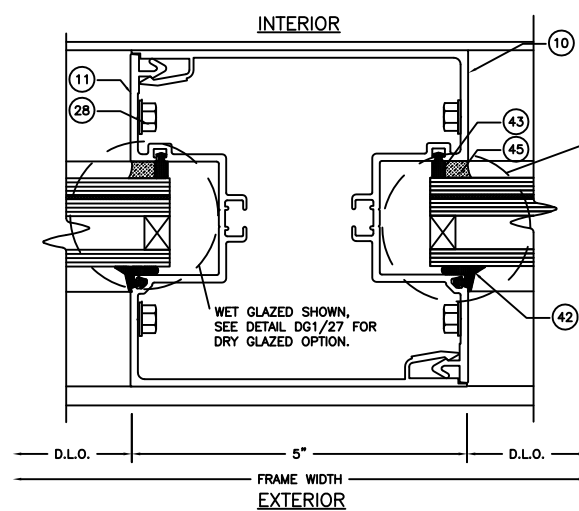
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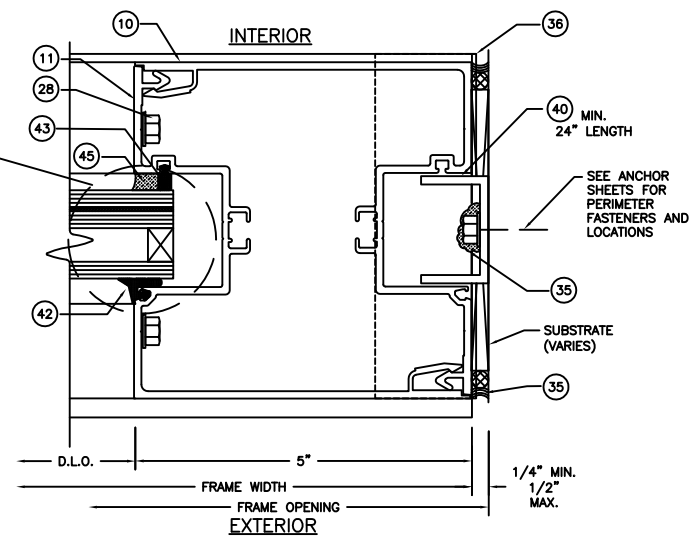
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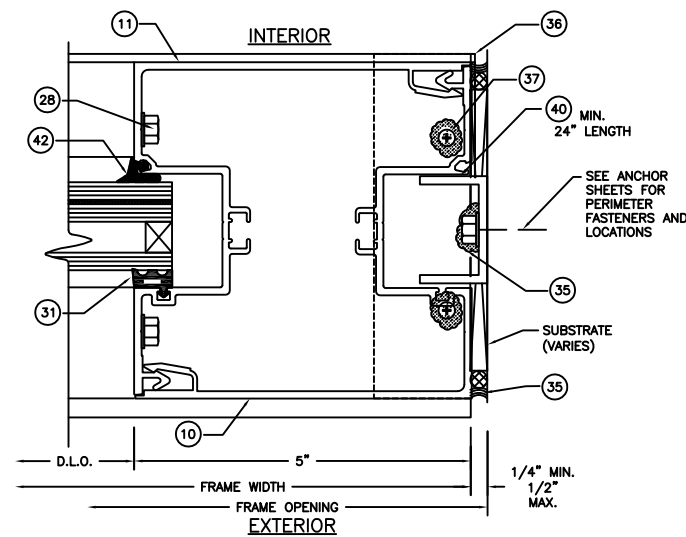
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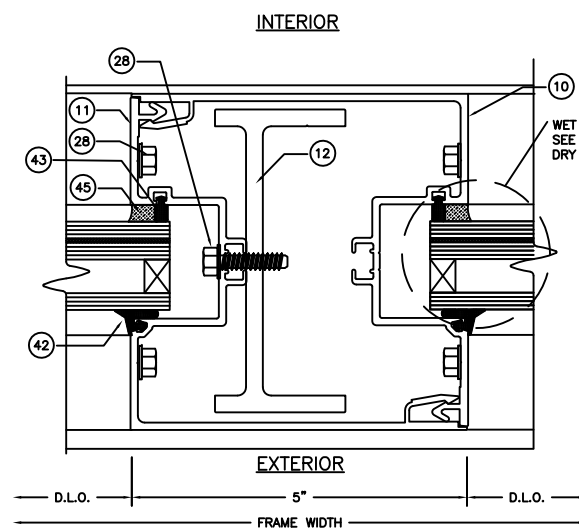
5" VERTICAL MULLION
M8



23 5" JAMB VERTICAL
31

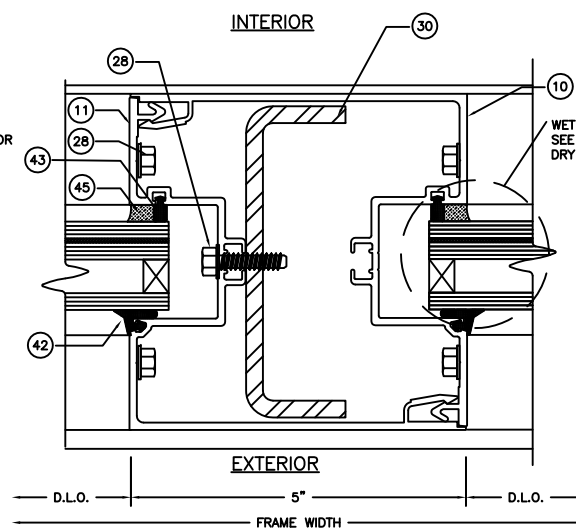


24 INSIDE SET 5" JAMB VERTICAL
31



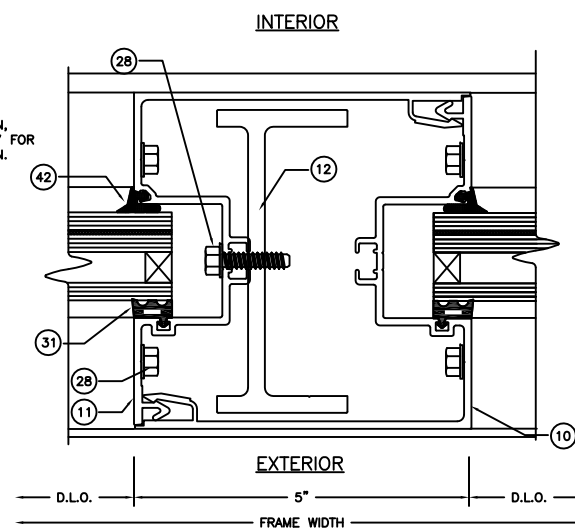
25 5" VERTICAL MULLION
31 WITH FG-5720 REINFORCEMENT

NOTE:
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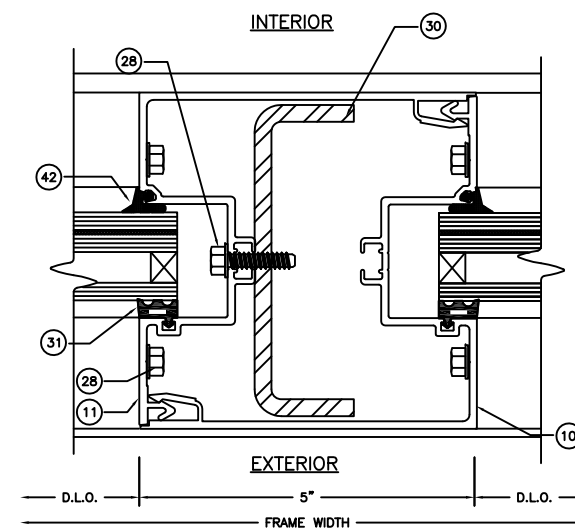
26 31 5" VERTICAL MULLION WITH RS-30 REINFORCEMENT

NOTE:
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27 INSIDE SET 5" VERTICAL MULLION
31 WITH FG-5720 REINFORCEMENT

NOTE:
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28 31 INSIDE SET 5" VERTICAL MULLION WITH RS-30 REINFORCEMENT

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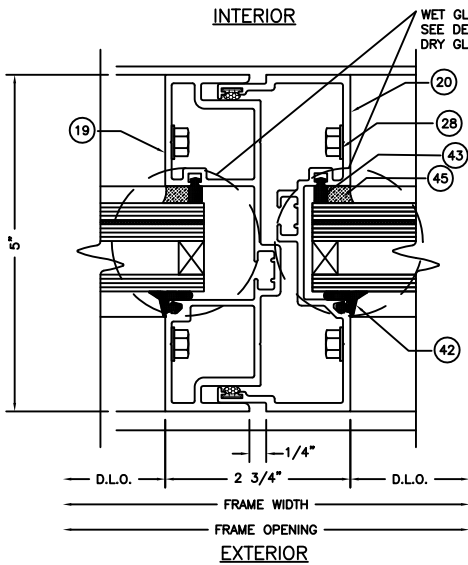
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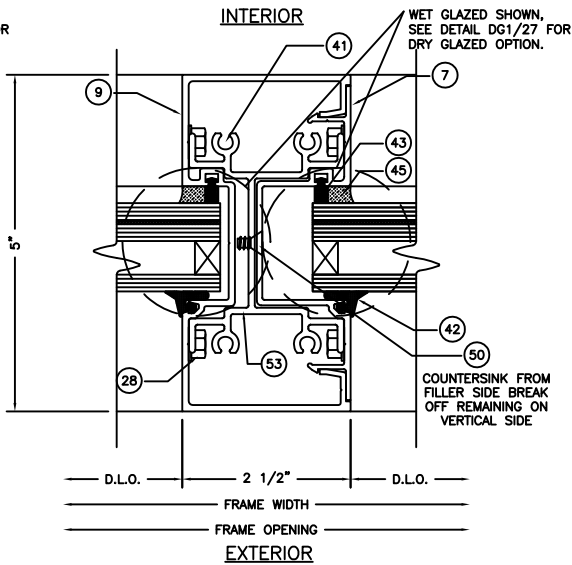
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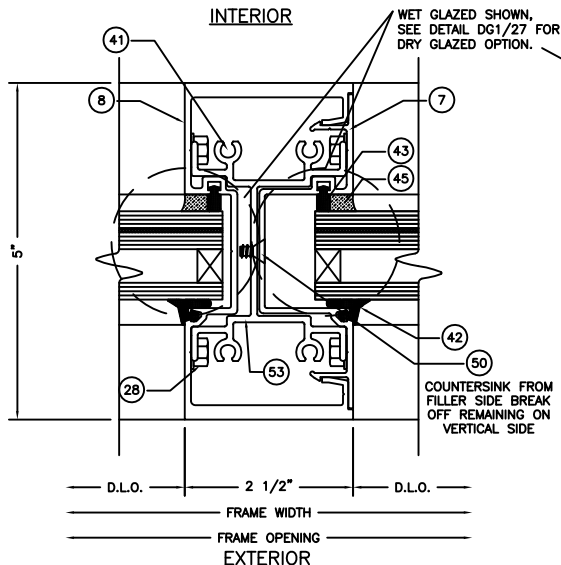
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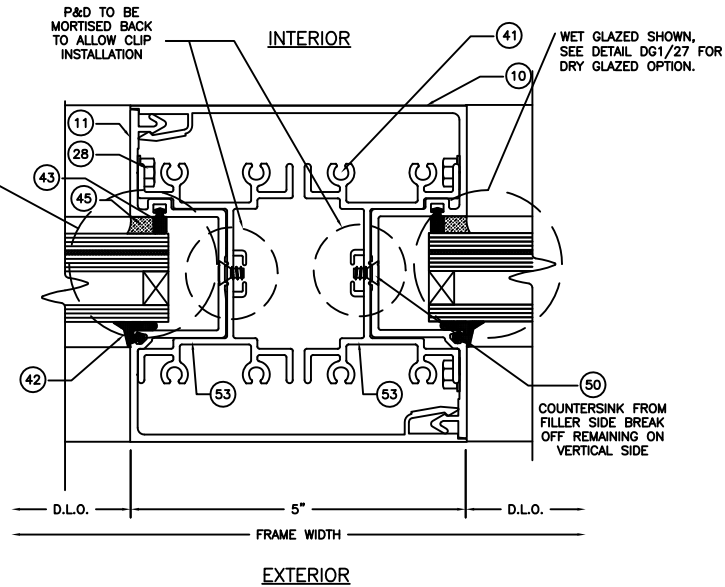
29
32 EXPANSION VERTICAL
M2
NOTE: APPROVED FOR USE
OUTSIDE HVHZ



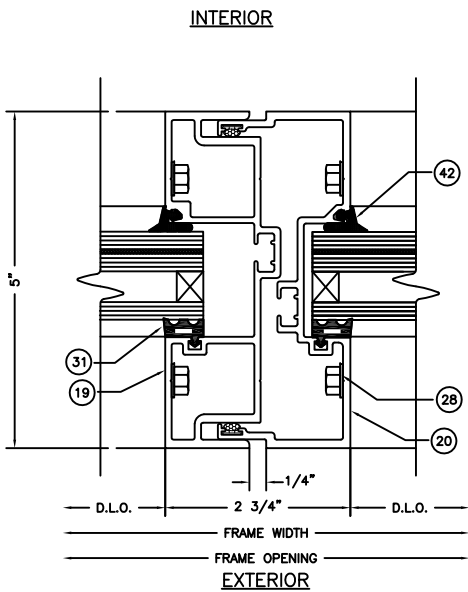
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32 CRIPPLED VERTICAL



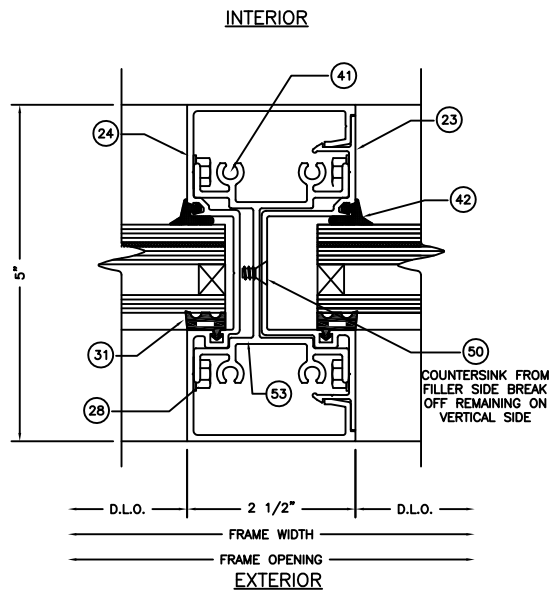
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32 CRIPPLED HEAVY VERTICAL



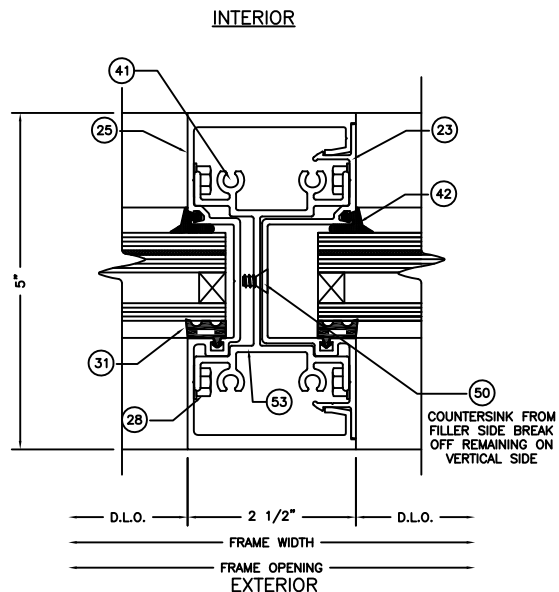
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32 CRIPPLED 5" VERTICAL MULLION



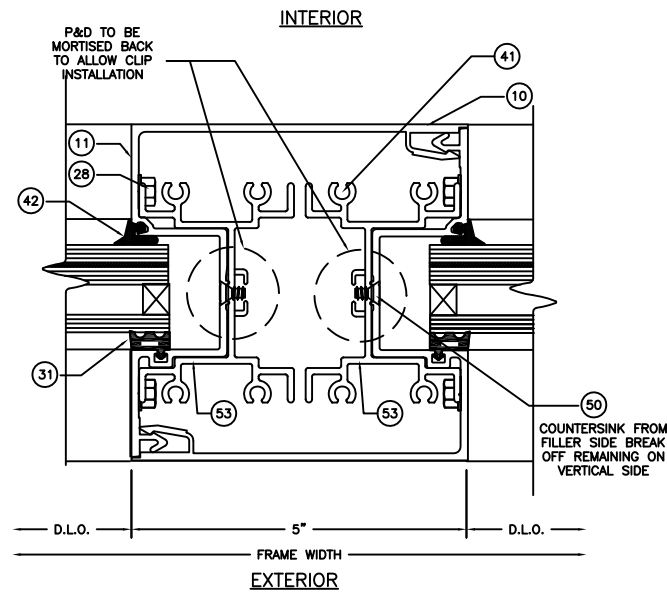
33
32 INSIDE SET EXPANSION VERTICAL
M2
NOTE: APPROVED FOR USE
OUTSIDE HVHZ



34
32 INSIDE SET CRIPPLED VERTICAL



35
32 INSIDE SET CRIPPLED HEAVY VERTICAL



36
32 INSIDE SET CRIPPLED 5" VERTICAL MULLION

SHEAR BLOCKS USE FOUR
(4) FASTENERS EACH.

NOTE:
CRIPPLED VERTICAL MULLIONS SHOWN
HEREIN CAN BE USED UNDER SITE SPECIFIC
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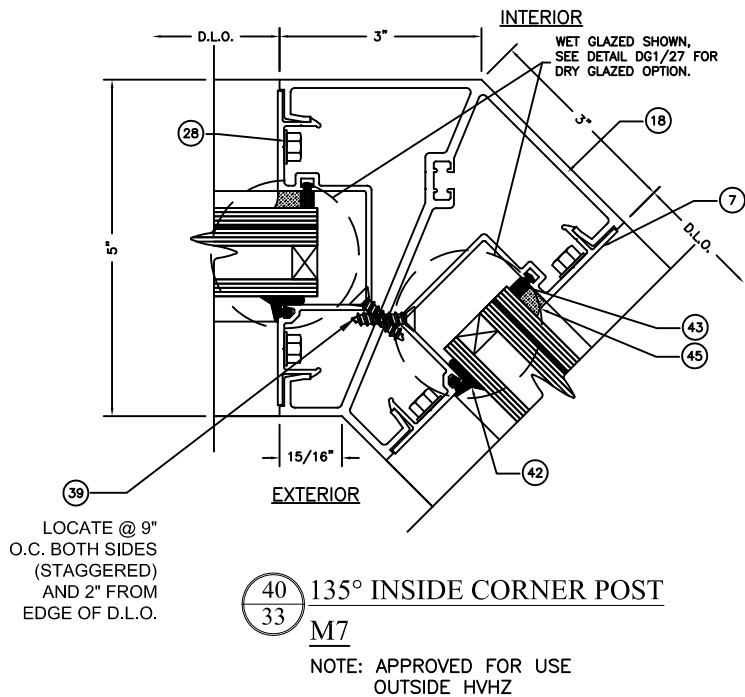
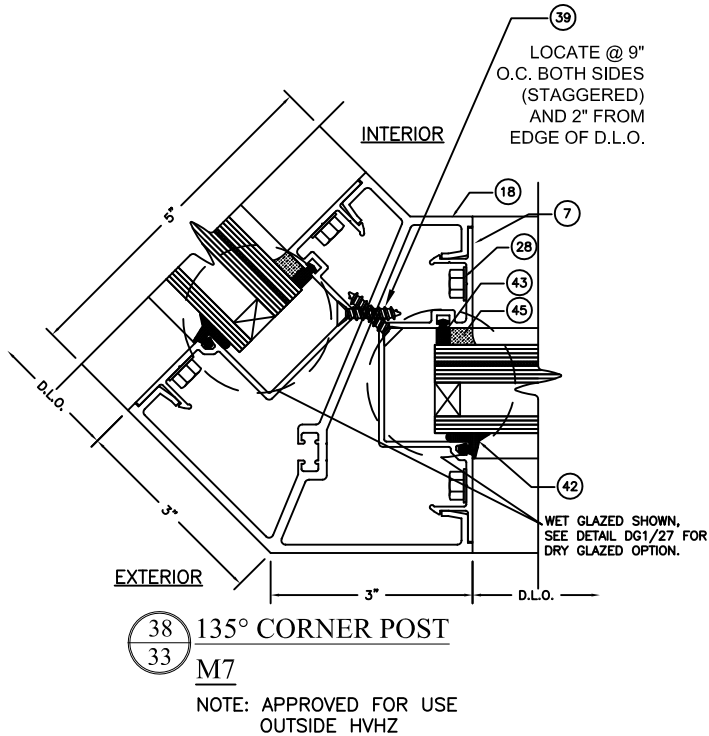
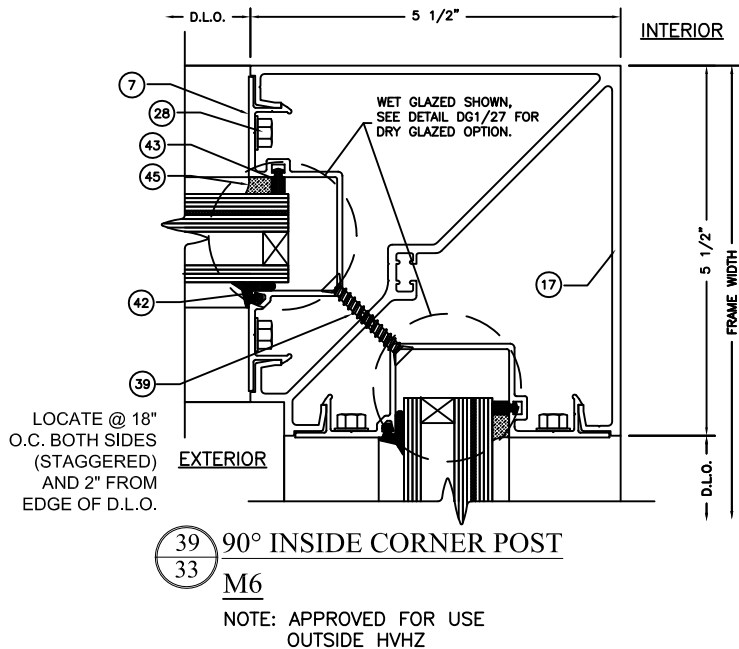
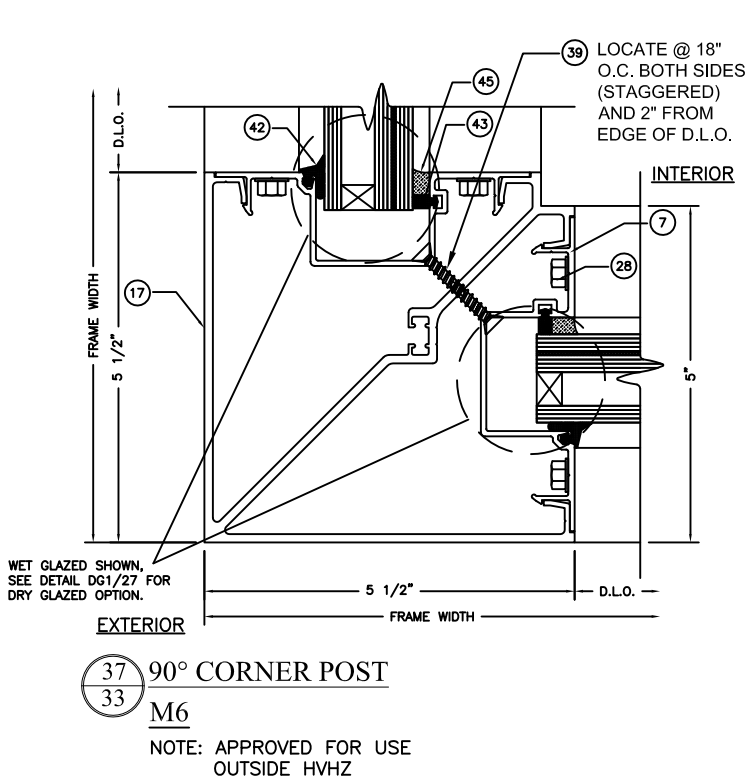
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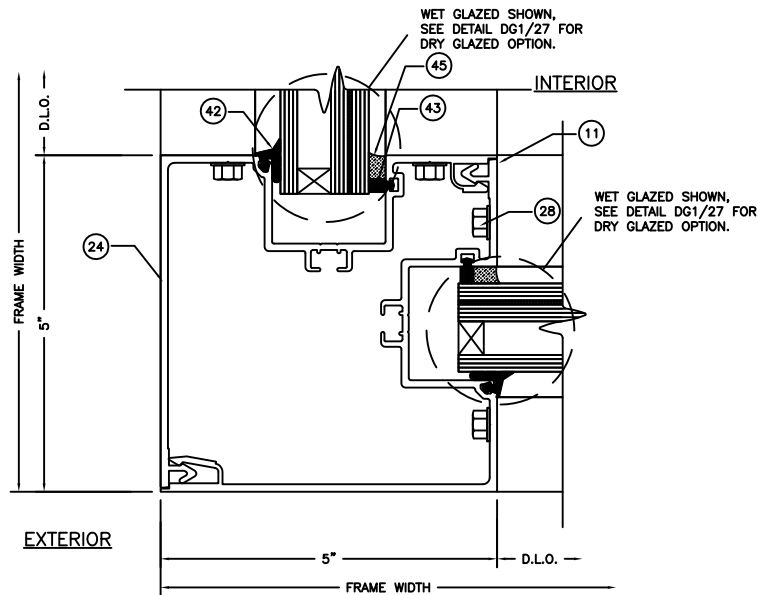
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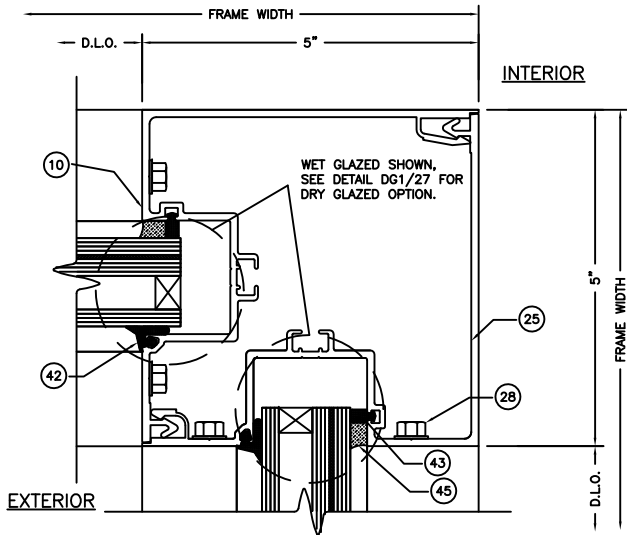
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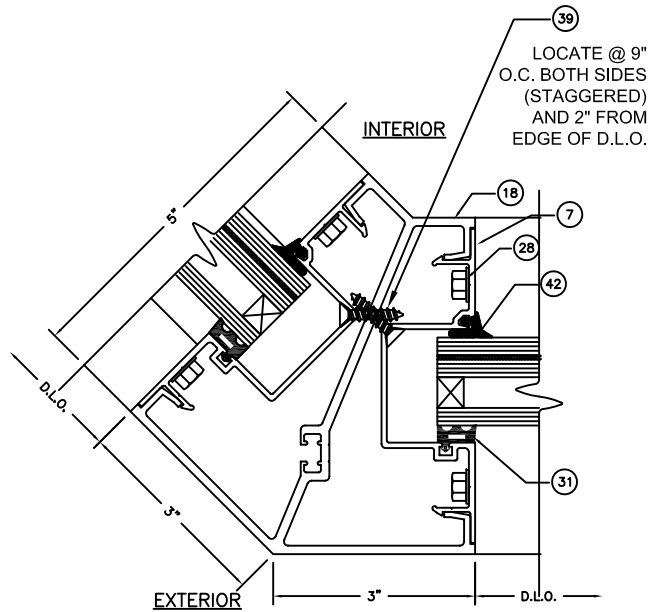
41
34 90° CORNER POST

NOTE:
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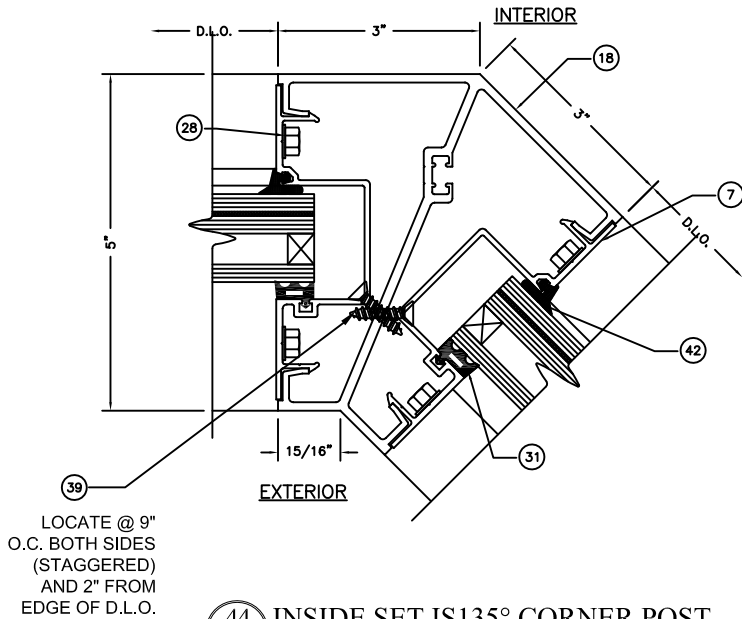
43
34 INSIDE 90° CORNER ASSEMBLY

NOTE:
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42
34 INSIDE SET OS135° CORNER POST
M7

NOTE: APPROVED FOR USE
OUTSIDE HVHZ



44
34 INSIDE SET IS135° CORNER POST
M7

NOTE: APPROVED FOR USE
OUTSIDE HVHZ

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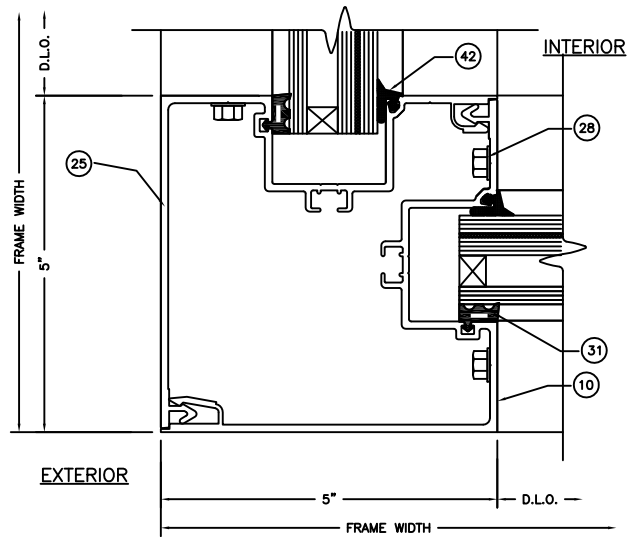
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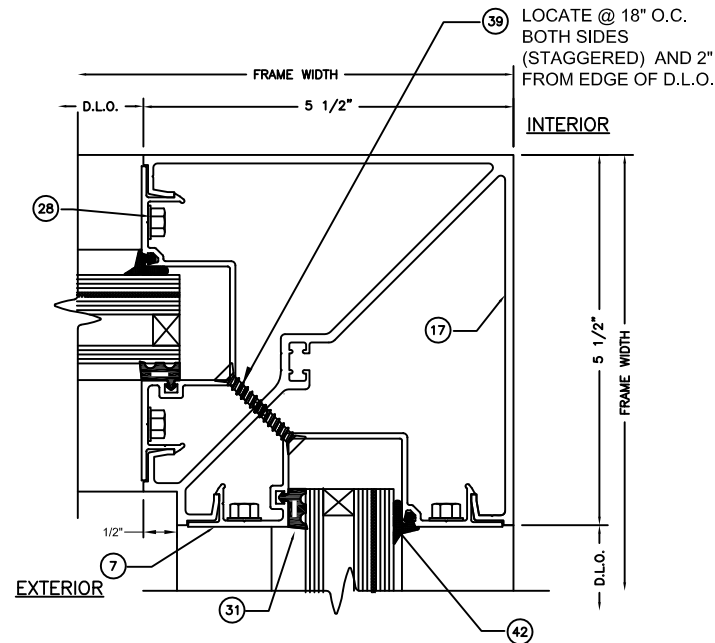
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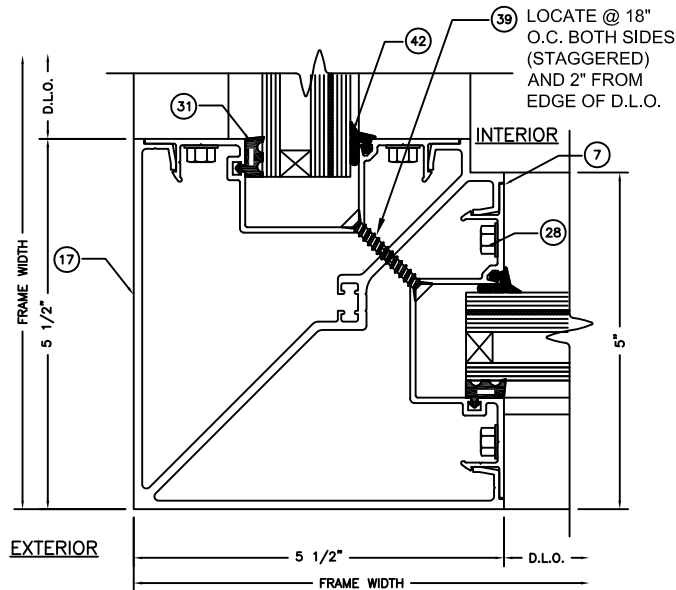
45
35 INSIDE SET OS90° CORNER ASSEMBLY

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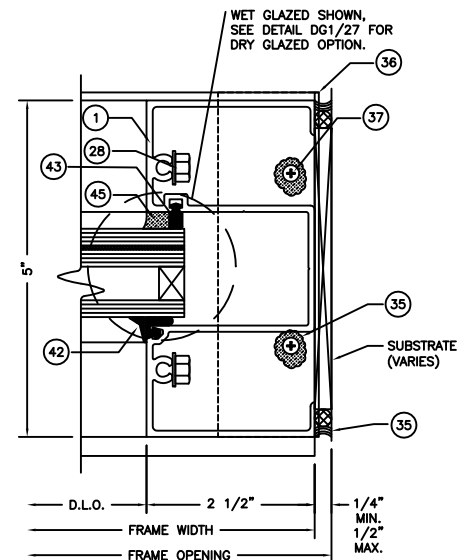
48
35 INSIDE SET IS90° CORNER POST
M6

NOTE: APPROVED FOR USE
OUTSIDE HVHZ

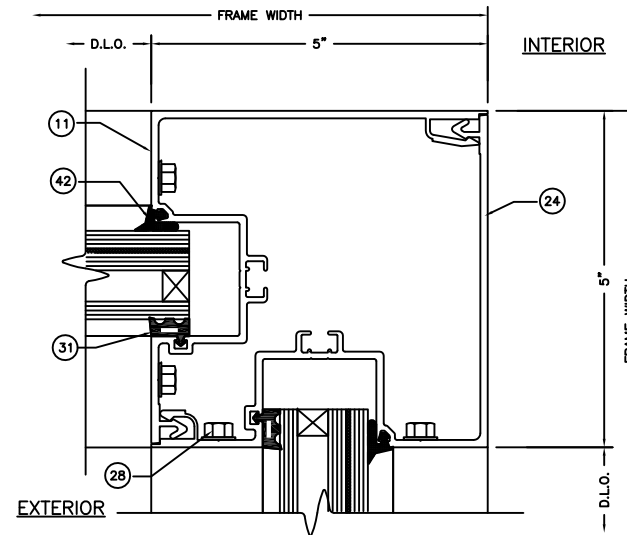


46
35 INSIDE SET OS90° CORNER POST
M6

NOTE: APPROVED FOR USE
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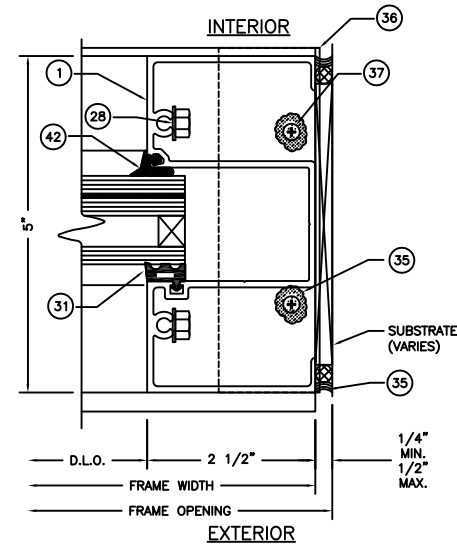


49
35 JAMB VERTICAL (NON ANCHORED)



47
35 INSIDE SET IS90° CORNER ASSEMBLY

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50
35 INSIDE SET JAMB VERTICAL (NON ANCHORED)

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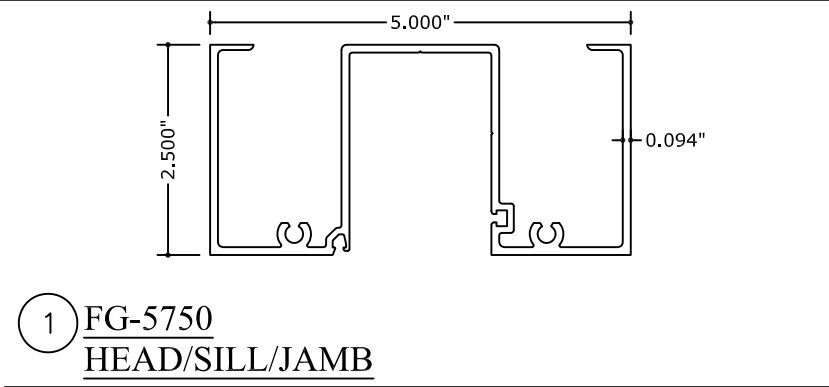
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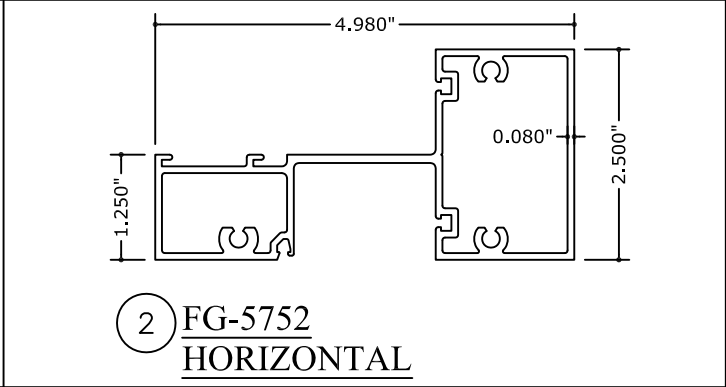
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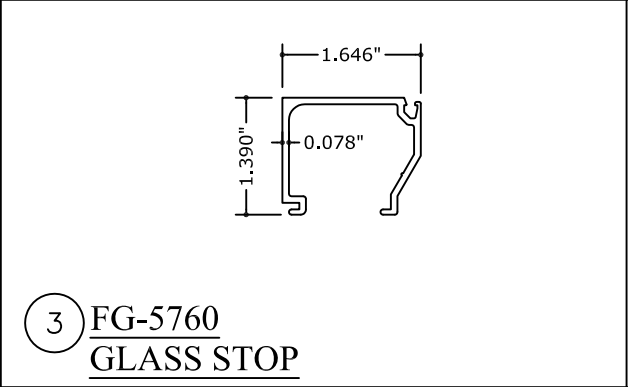
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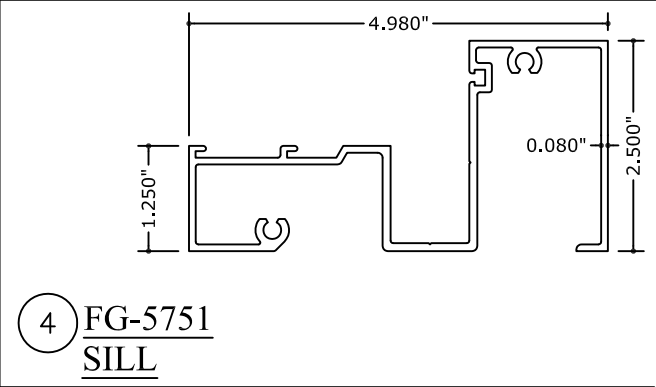
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HEAD/SILL/JAMB



2 FG-5752
HORIZONTAL

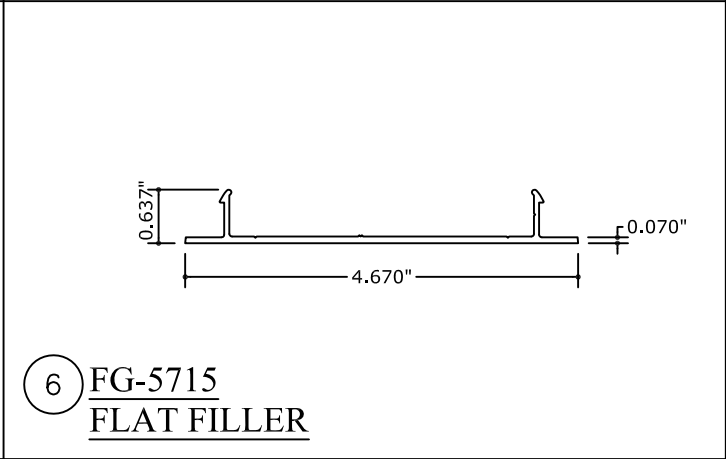


3 FG-5760
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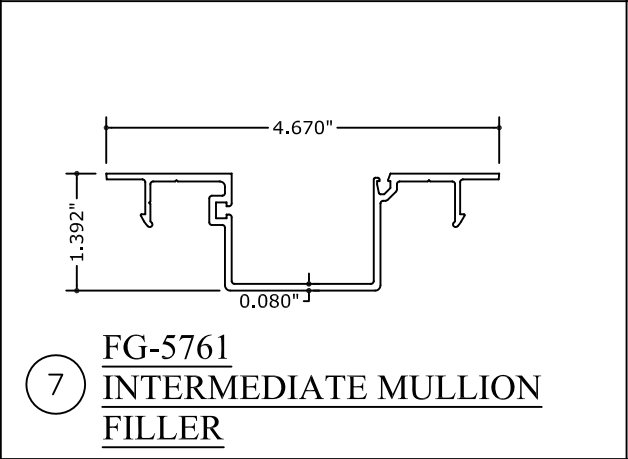


4 FG-5751
SILL

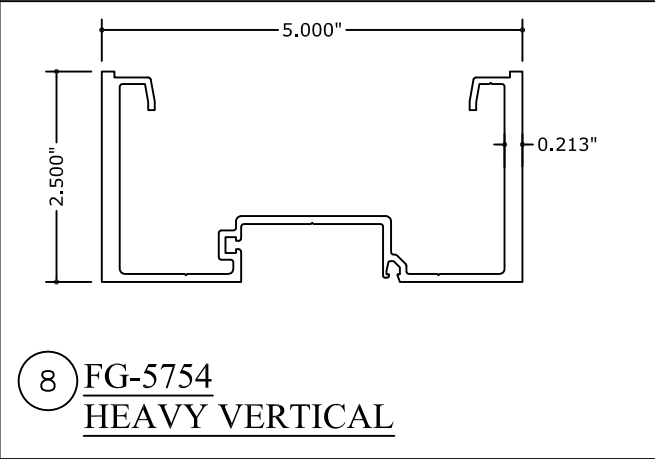
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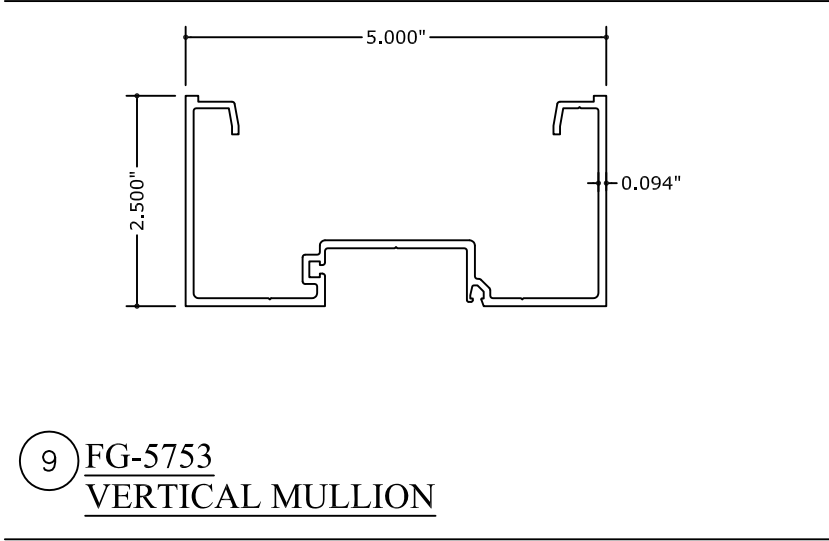
6 FG-5715
FLAT FILLER



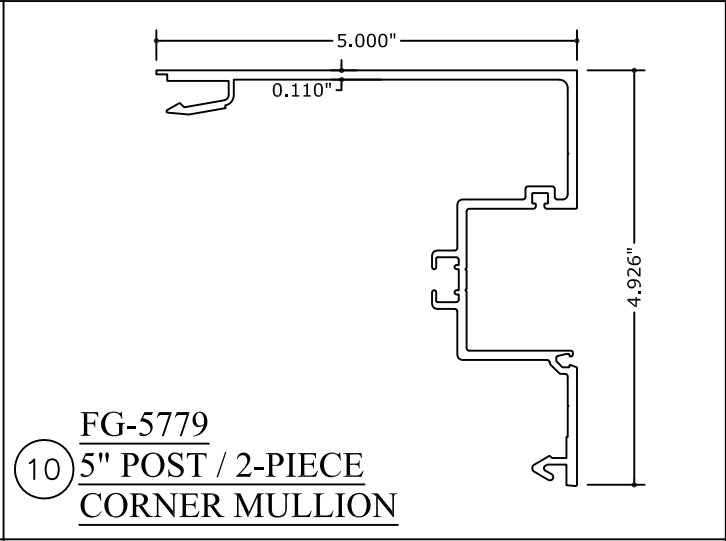
7 FG-5761
INTERMEDIATE MULLION
FILLER



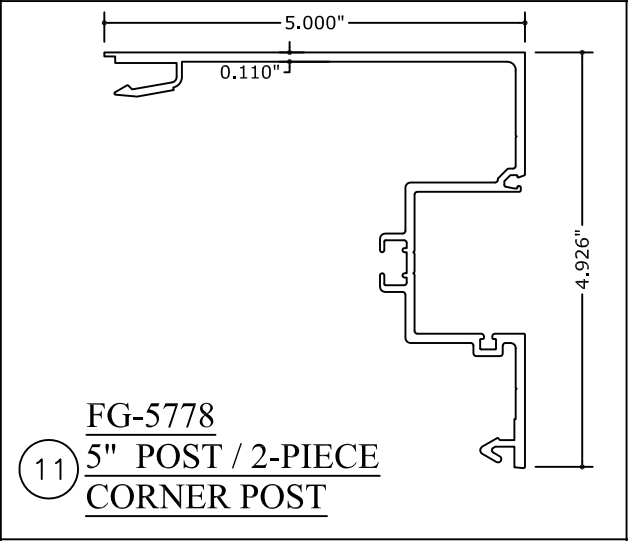
8 FG-5754
HEAVY VERTICAL



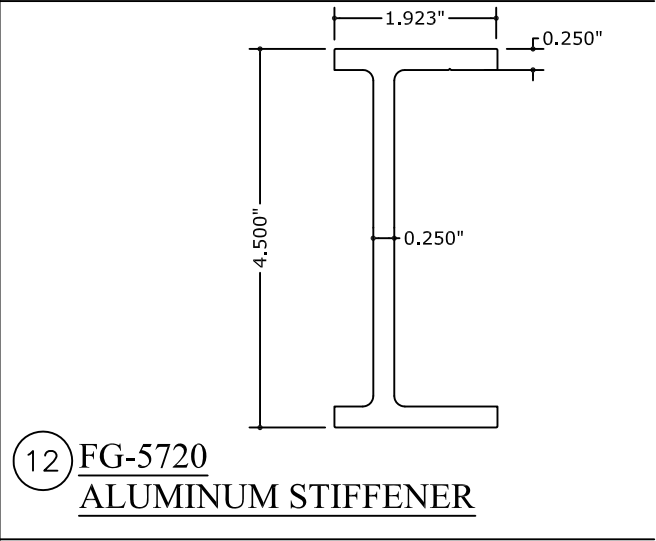
9 FG-5753
VERTICAL MULLION



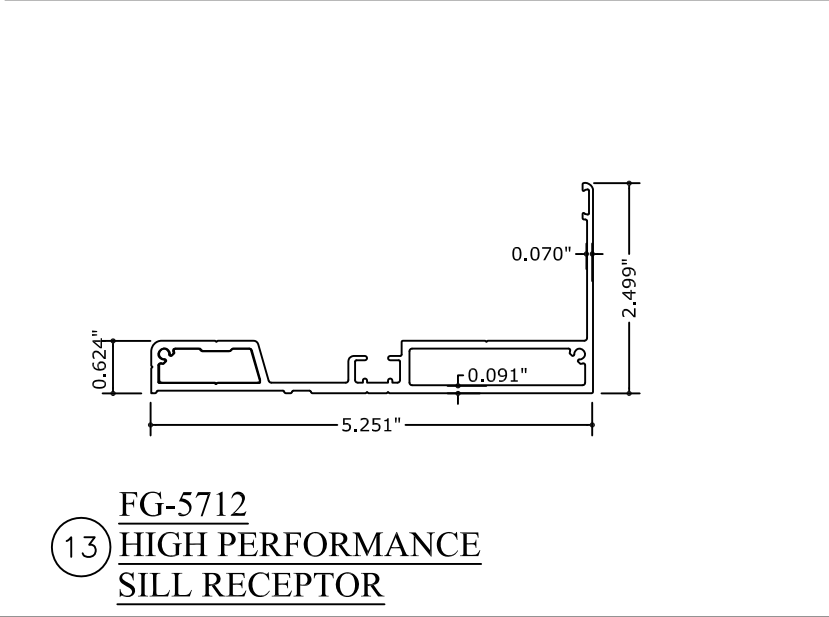
10 FG-5779
5" POST / 2-PIECE
CORNER MULLION



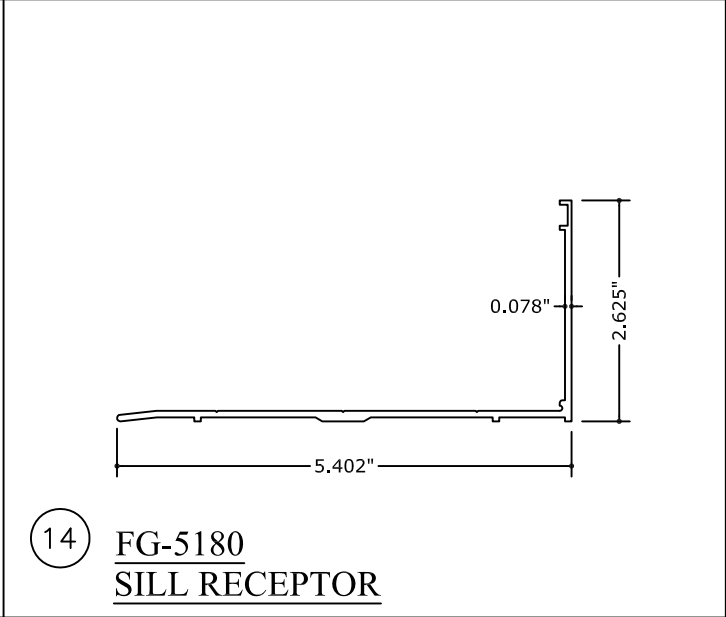
11 FG-5778
5" POST / 2-PIECE
CORNER POST



12 FG-5720
ALUMINUM STIFFENER

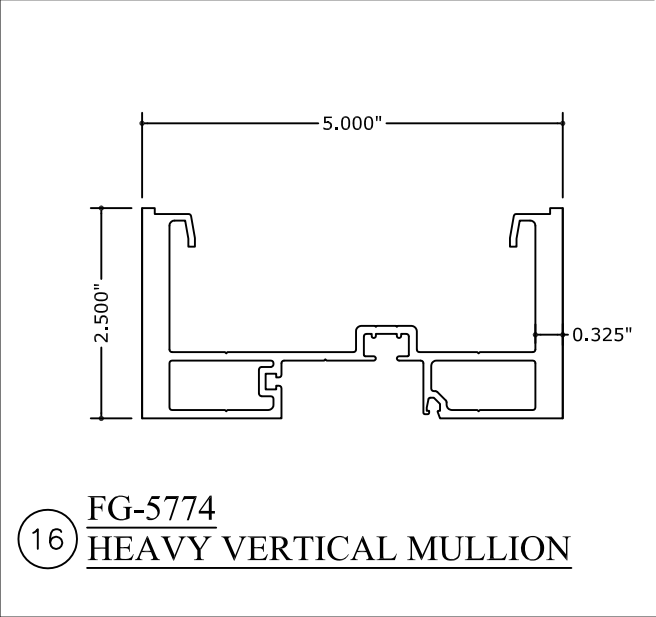


13 FG-5712
HIGH PERFORMANCE
SILL RECEPTOR



14 FG-5180
SILL RECEPTOR

NOT USED



16 FG-5774
HEAVY VERTICAL MULLION

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FG-5750 STORMMAX®NON-THERMAL IMPACT STOREFRONT SYSTEM
WET AND DRY GLAZED

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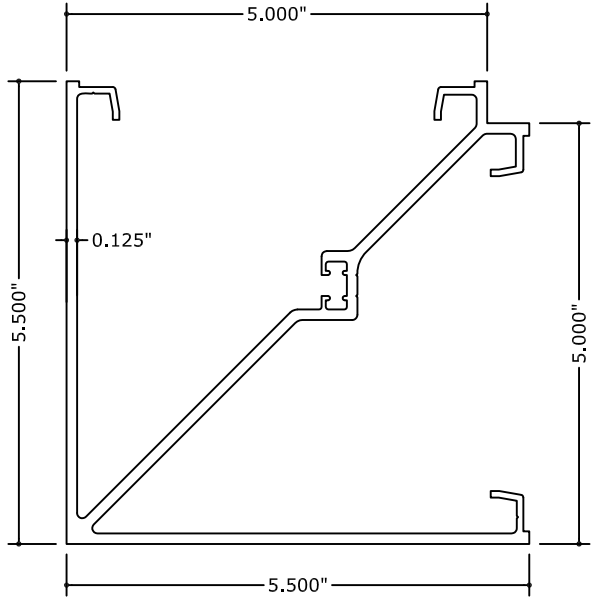
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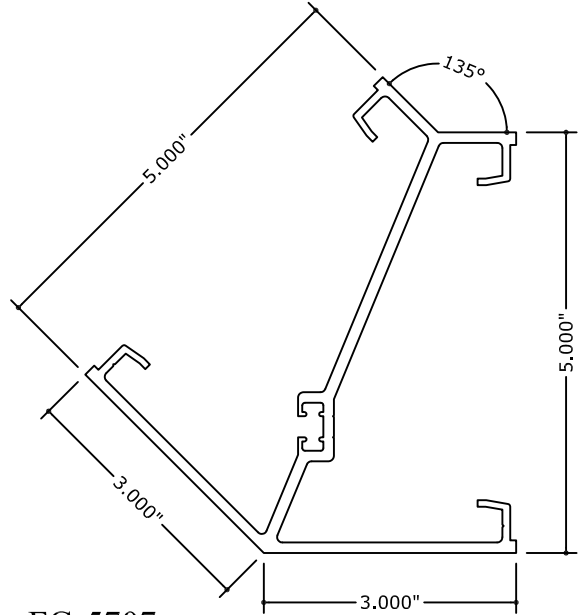
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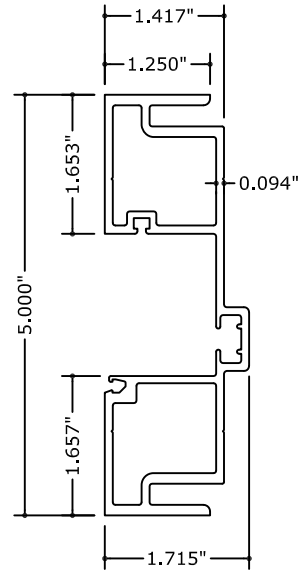
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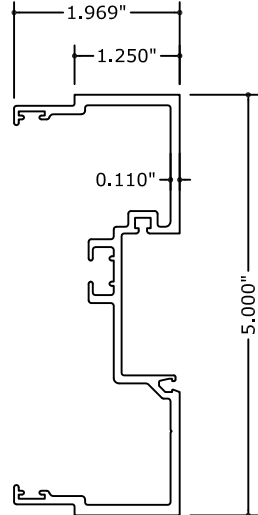
17 FG-5706
90 DEGREE CORNER POST



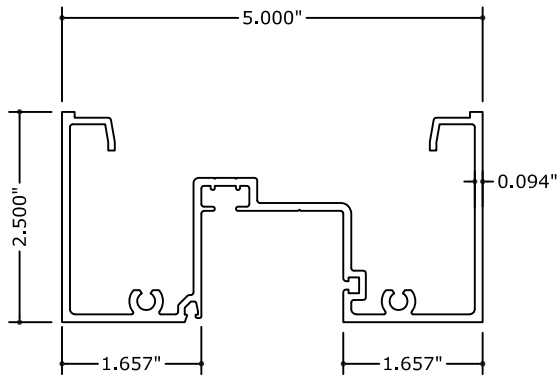
18 FG-5707
135 DEGREE CORNER POST



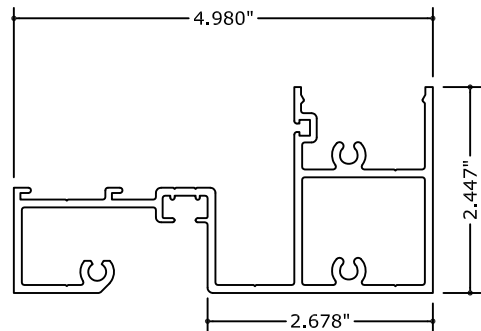
19 FG-5782
EXPANSION MULLION



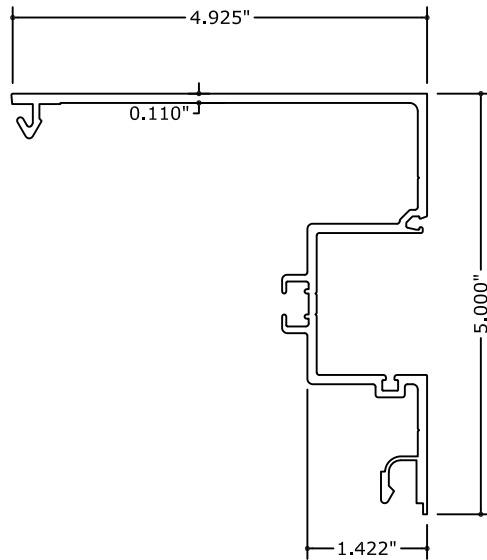
20 FG-5783
EXPANSION MULLION



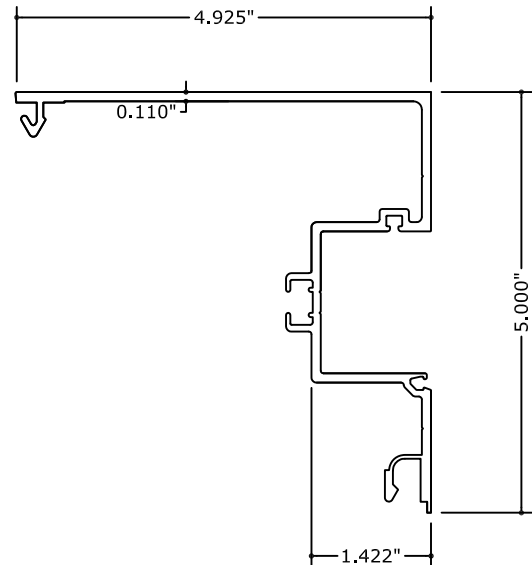
21 FG-5786
PRE-GLAZED HEAD



22 FG-5787
PRE-GLAZED SILL



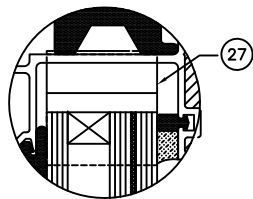
24 FG-5784
2-PIECE 90° CORNER ASSEMBLY



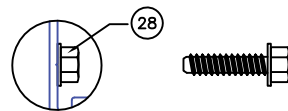
25 FG-5785
2-PIECE 90° CORNER ASSEMBLY



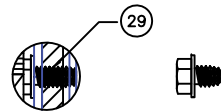
23 FG-5259
PRE-GLAZED SILL FILLER



27 FG-5790-02
WATER DIVERter



28 FS-8
JOINT FASTENER



29 FS-354
REINFORCEMENT FASTENER

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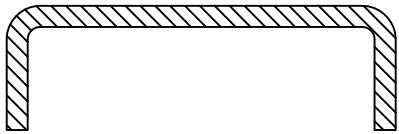
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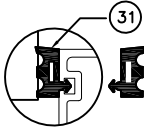
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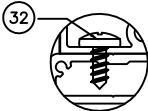
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30 RS-30
STEEL REINFORCEMENT



31 FG-5732
DRY GLAZE GASKET



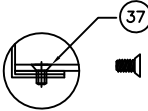
32 FS-27
FASTENER



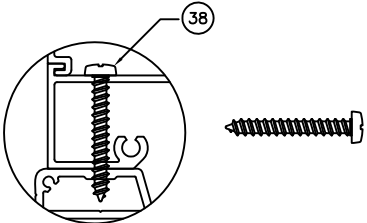
33 FS-336
FASTENER



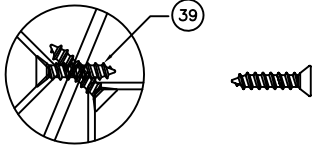
36 AN-101-01
SILL END DAM



37 FS-23
SILL END DAM
FASTENER



38 FS-229
SILL-SUBSILL FASTENER



39 FS-58
CORNER ASSEMBLY
FASTENER



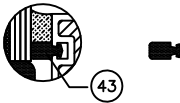
40 CH55
U-CHANNEL



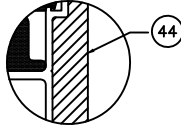
41 FS-96
SHEAR BLOCK
FASTENER



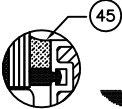
42 FG-5730
EXTERIOR GLAZING
GASKET



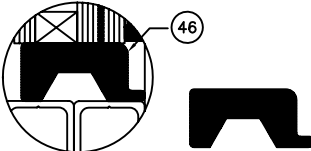
43 FG-5731
SPACER GASKET



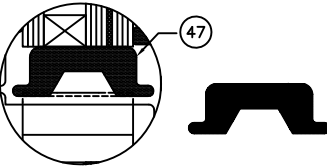
44 SM5601
JOINT TAPE



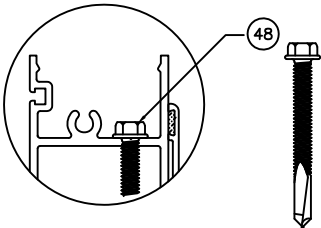
45 DOWSIL 995
SEALANT



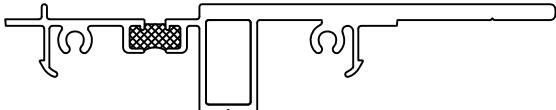
46 FG-5743
SETTING BLOCK



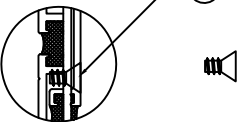
47 FG-5744
SETTING BLOCK



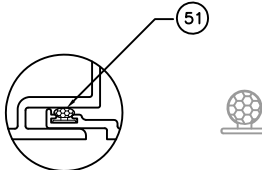
48 FS-128
PRE-GLAZE SILL FASTENER



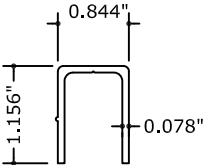
49 FG-5788-01
PRE-GLAZE HEAD
ANCHOR



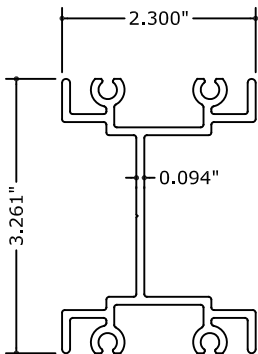
50 FS-56
FG-5714 FASTENER



51 CW-998
EXPANSION
MULL GASKET



52 FG-5721-01
SETTING CHAIR



53 FG-5714-01
SHEAR BLOCK

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FG-5750 STORMMAX®NON-THERMAL IMPACT STOREFRONT SYSTEM
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BILL OF MATERIALS						
ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
ALUMINUM PARTS						
1	FG-5750	HEAD/SILL/JAMB	2.500 x 5.000 x 0.094	6063-T6 ALUMINUM	OBE	
2	FG-5752	HORIZONTAL MULLION	2.500 x 4.980 x 0.094	6063-T6 ALUMINUM	OBE	
3	FG-5760	GLASS STOP	1.250 x 1.650 x 0.078	6063-T6 ALUMINUM	OBE	
4	FG-5751	HEAD/SILL	2.500 x 4.980 x 0.094	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
6	FG-5715	FLAT FILLER	0.636 x 4.670 x 0.080	6063-T6 ALUMINUM	OBE	RUNS FULL LENGTH
7	FG-5761	INTERMEDIATE MULLION FILLER	0.681 x 4.670 x 0.080	6063-T6 ALUMINUM	OBE	
8	FG-5754	HEAVY MULLION	2.500 x 5.000 x 0.213	6063-T6 ALUMINUM	OBE	
9	FG-5753	VERTICAL MULLION	2.500 x 5.000 x 0.094	6063-T6 ALUMINUM	OBE	
10	FG-5779	5" VERTICAL POST / 2-PIECE 90° CORNER	5.000 x 4.941 x 0.110	6063-T6 ALUMINUM	OBE	
11	FG-5778	5" VERTICAL POST / 2-PIECE 90° CORNER	4.941 x 5.000 x 0.110	6063-T6 ALUMINUM	OBE	
12	FG-5720	ALUMINUM STIFFENER	4.500 x 1.9375 x 0.250	6063-T6 ALUMINUM	OBE	MAXIMUM LENGTH OF 144"
13	FG-5712	HIGH PERFORMANCE SILL RECEPTOR	5.276 x 2.750 x 0.100	6063-T6 ALUMINUM	OBE	
14	FG-5180	SILL RECEPTOR	5.402 x 2.625 x 0.080	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
16	FG-5774	HEAVY MULLION	2.500 x 5.000 x 0.213	6063-T6 ALUMINUM	OBE	
17	FG-5706	90° CORNER MULLION	5.500 X 5.500 X 0.125	6063-T6 ALUMINUM	OBE	
18	FG-5707	135° CORNER MULLION	3.000 x 5.000 x 0.125	6063-T6 ALUMINUM	OBE	
19	FG-5782	EXPANSION MULLION (FEMALE)	1.715 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
20	FG-5783	EXPANSION MULLION (MALE)	1.969 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
21	FG-5786	PRE-GLAZE HEAD	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
22	FG-5787	PRE-GLAZE SILL	2.446 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
23	FG-5259	PRE-GLAZE SILL FILLER	.344 X 1.638 X 0.050	6063-T5 ALUMINUM	OBE	
24	FG-5784	2-PIECE 90° CORNER MULLION	4.941 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
25	FG-5785	2-PIECE 90° CORNER MULLION	4.941 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

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ACCESSORY PARTS						
27	FG-5790-02	WATER DIVERTER	1.358 x 1.312 x 0.050	INJECTION MOLDED PLASTIC	OBE	AT EACH END OF INTERMEDIATE HORIZONTALS
28	FS-8	FASTENER	#14 x 1" HHSTS	STEEL (DACROMET)	VARIES	SCREW SPLINE SCREW
29	FS-354	FASTENER	1/4"-20 x 3/8" HEX HEAD TYPE F	STEEL (GEOMET)	VARIES	REINFORCEMENT SCREW, 1" FROM EACH END
30	RS-30	STEEL REINFORCEMENT	4.562 x 1.250 x 0.250	STEEL	VARIES	ASTM A-36
31	FG-5732	DRY GLAZE GASKET	0.250 SPACE	EPDM	VARIES	
32	FS-27	FASTENER (SILL-TO-SUBSILL)	#12 x 1/2" PPH SMS A pt	STEEL (DACROMET)	VARIES	(4) FASTENERS PER SIDE (2" FROM MULLION & 2" ON CENTER, 4 PER SIDE).
33	FS-336	FASTENER	1/4-20 x 1-1/8" HWH KWIKFLEX		HILTI	(2) FASTENERS PER SIDE (1 1/2" AND 4 1/2" ON EACH SIDE OF MULLION)
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
35	DOWSIL 795	PERIMETER SEALANT	--	SILICONE	DOW CHEMICAL COMPANY	
36	AN-101-01	SILL FLASHING END DAM	2.688 x 0.625 x 0.063 x 5.125	6063-T6 ALUMINUM	OBE	
37	FS-23	FASTENER	#6 x 3/8" PPH	STEEL (ZINC PLATED)	VARIES	ATTACH END DAM TO SUBSILL
38	FS-229	FASTENER (SILL-TO-SUBSILL)	#14 x 1-1/2" PPH	STEEL (GEOMET)	VARIES	(4) FASTENERS PER SIDE (2" FROM MULLION & 2" ON CENTER, 4 PER SIDE).
39	FS-58	FASTENER	#10 x 1" PFH SMS	STAINLESS STEEL	VARIES	USED AT CORNERS
40	CH55	U-CHANNEL	1.000 x 1.593 x 0.125"	6063-T6 ALUMINUM	OBE	
41	FS-96	FASTENER	#12 x 2-1/2" PPH SMS	STEEL (GEOMET)	VARIES	SHEAR BLOCK SCREW
42	FG-5730	EXTERIOR GLAZING GASKET	0.120 SPACE	EPDM	VARIES	
43	FG-5731	SPACER GASKET	0.250 SPACE	EPDM	VARIES	
44	SM5601	JOINT SEALANT TAPE	0.500 x 0.125 x VARIES	POLYISOBUTYLENE	SCHNEE-MOOREHEAD	
45	DOWSIL 995	STRUCTURAL SEALANT	--	SILICONE	DOW CHEMICAL COMPANY	FOR WET GLAZING AND FRAME ASSEMBLY
46	FG-5743	SETTING BLOCK	1.468 x 0.688 x 4.000	EPDM	VARIES	2 PER LITE
47	FG-5744	SETTING BLOCK	1.679 x 0.588 x 4.000	EPDM	VARIES	2 PER LITE, FOR INSIDE GLAZED INTERM. HORIZ.
48	FS-128	FASTENER	5/16"-24x 2" HEX WASHER HEAD	STEEL (DACROMET)	VARIES	(2) FASTENERS PER SIDE (1 1/2" AND 4 1/2" ON EACH SIDE OF MULLION)
49	FG-5788-01	PRE-GLAZE HEAD ANCHOR	1.679 x 0.588 x 4.000	6063-T6 ALUMINUM	OBE	
50	FS-56	FASTENER	#10 X 1/2" UCPFH SMS	STAINLESS STEEL	VARIES	
51	CW-998	BULB GASKET		FOAM-TITE BULB	AMESBURY	
52	FG-5721-01	SETTING CHAIR	1.156 x 0.844 x 0.078	6063-T6 ALUMINUM	OBE	
53	FG-5714-01	SHEAR BLOCK	2.300 x 3.261 x 0.094	6063-T6 ALUMINUM	OBE	2" IN LENGTH

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