

PLY GEM WINDOWS

1570 SERIES HORIZONTAL MULLION

(NON-IMPACT)

NOTES:

1. THIS APPROVAL APPLIES TO PLY GEM 6063-T5 ALUMINUM SERIES I570 MULLIONS AND GALVANIZED STEEL GUSSET PLATE AS SHOWN IN THESE DRAWINGS, MAY BE USED IN ASSEMBLIES OF I570 SERIES CASEMENT, AWNING AND FIXED WINDOWS.

2. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).

3. THIS PRODUCT HAS BEEN ANALYZED IN ACCORDANCE WITH AAMA 450, AND PRODUCT MEETS THE REQUIREMENTS FOR THE CURRENT FLORIDA BUILDING CODE, FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.

4. ALLOWABLE CONFIGURATIONS ARE AS SHOWN IN THESE DRAWINGS. MULLIONS ARE TO BE USED HORIZONTALLY ONLY.

5. DESIGN PRESSURES SHOWN IN THE CHARTS IN THESE DRAWINGS APPLY TO THE MULLION ONLY. GLAZED I570 PRODUCTS SHALL BE SEPARATELY APPROVED, SEE SEPARATE APPROVALS FOR APPLICABLE DESIGN PRESSURES FOR GLAZED PRODUCTS.

6. THE LEAST DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL GLAZED PRODUCTS SHALL BE THE APPLICABLE DESIGN PRESSURE OF THE ENTIRE MULLED ASSEMBLY.

7. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO THE WOOD SUBSTRATE.

8. INSTALLATION OF 2X WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, AND BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J.

9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH ALUMINUM. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.

10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.

II. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.

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Lucas Turner
2026.08.13
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-05'00'

TABLE 1: MULL CLIP INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DISTANCE
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	1-1/2"	7/8"
B	16 GAUGE (0.060") STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	1/2"

*NOTE: ALL SCREWS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD



Ply Gem

WINDOWS & DOORS

Part of the Cornerstone Building Brands Family

433 N. MAIN ST.,
PO BOX 559,
ROCKY MOUNT, VA 24151

PH: 540-484-6348
FX: 540-484-6683

TITLE: I570 SERIES HORIZONTAL MULLION NOTES & TABLE I	DATE	07/31/26		
	BY	LMH		
	REVISION DESCRIPTION			
	NO.	A		
DATE: 04.06.21	DWN BY: LMH	CHK BY:		SCALE: NTS

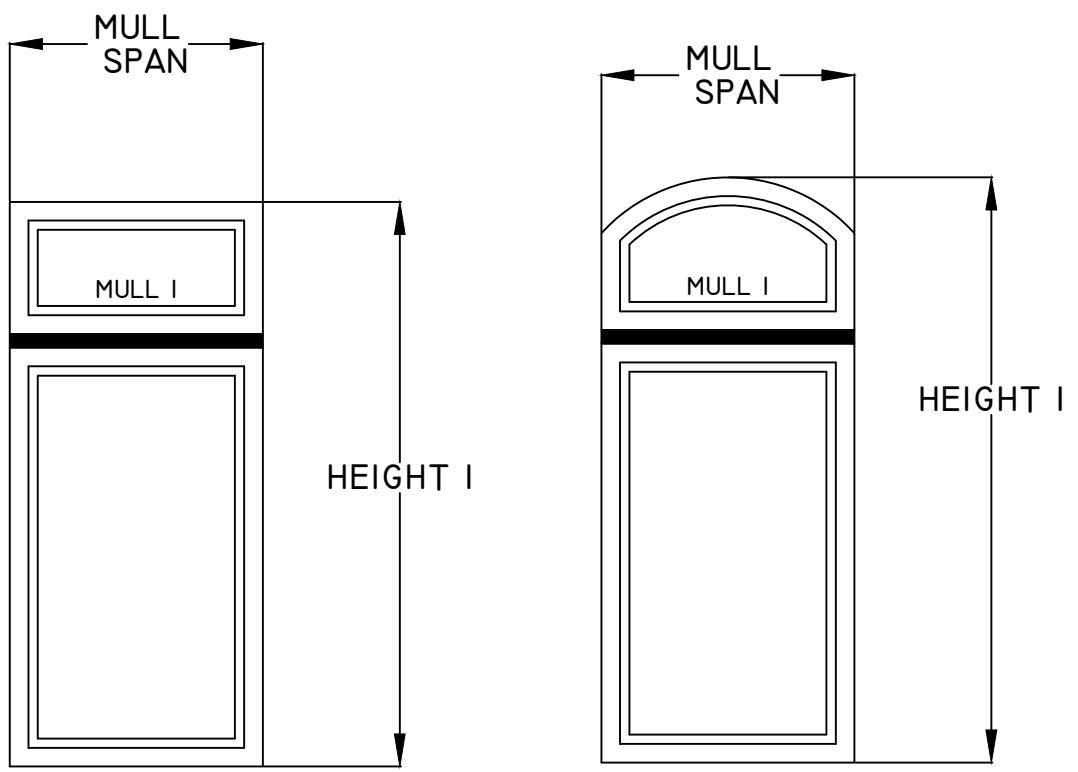


07/31/2026
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

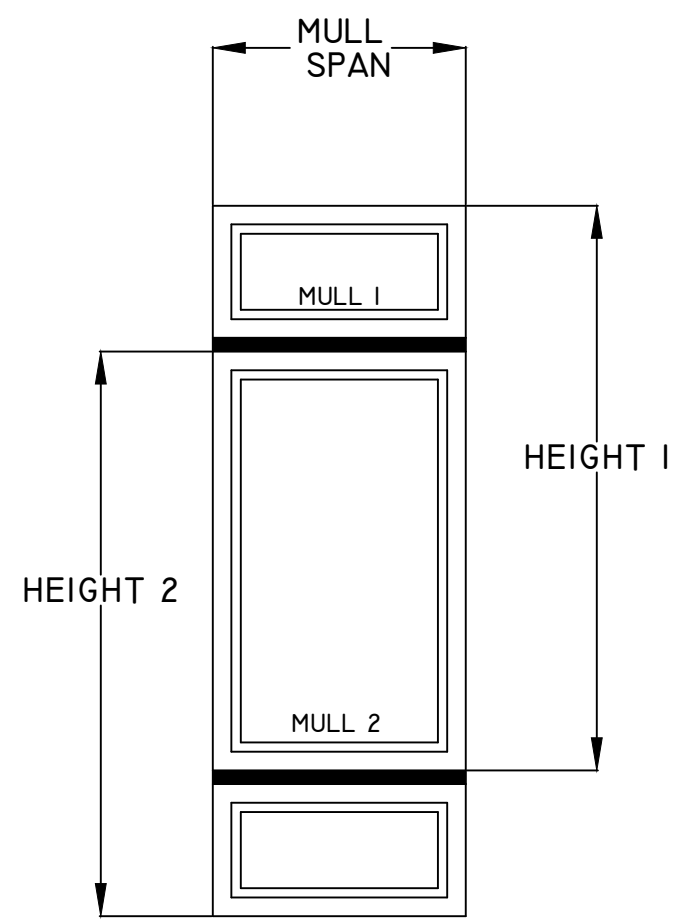
FL#: 39112

DWG #: PGW328

SHEET: 1 OF 8



1-WIDE 2-HIGH ELEVATION
MULL I: MULL SPAN = WIDTH I
LOAD WIDTH = HEIGHT I



1-WIDE 3-HIGH ELEVATION
MULL I: MULL SPAN = WIDTH I
LOAD WIDTH = HEIGHT I

MULL 2: MULL SPAN = WIDTH I
LOAD WIDTH = HEIGHT 2

NOTES:

1. MULL STACK CAN BE A COMBINATION OF AWNING, CASEMENT OR PICTURE/FIXED SPECIALITY WINDOWS.
2. FOR WINDOW UNITS SEE SEPARATE PRODUCT APPROVALS.

TITLE: 1570 SERIES HORIZONTAL MULLION MULL ELEVATIONS	DATE	04.06.21	DWN BY:	LMH	CHK BY:		SCALE:	NTS
	NO.	A	REVISION DESCRIPTION	CURRENT FBC				
	BY	LMH						
	DATE	07/31/26						



07/31/2026

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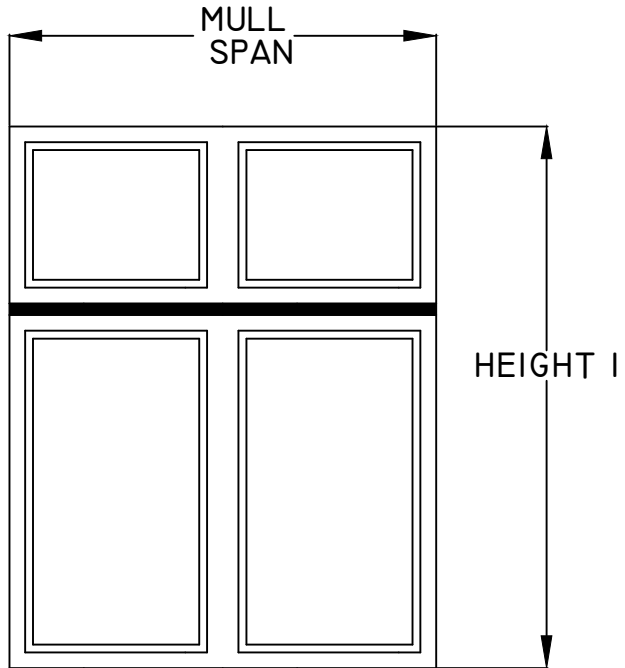
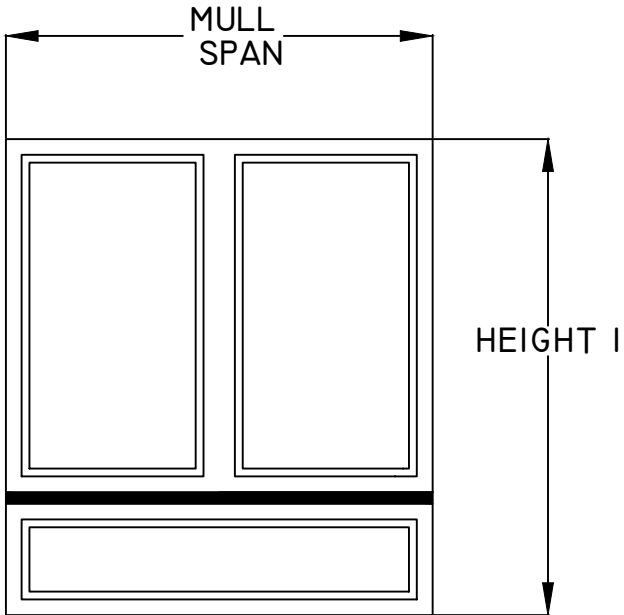
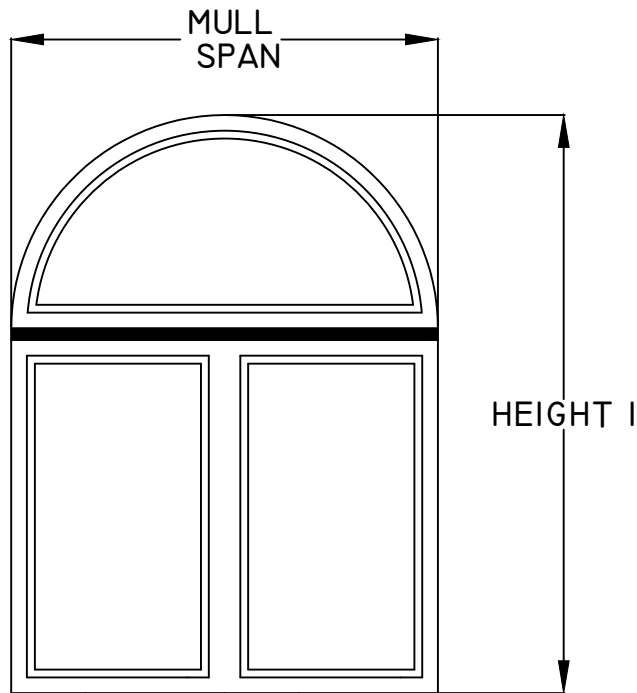
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PH. 941-380-1574

FL#: 39112

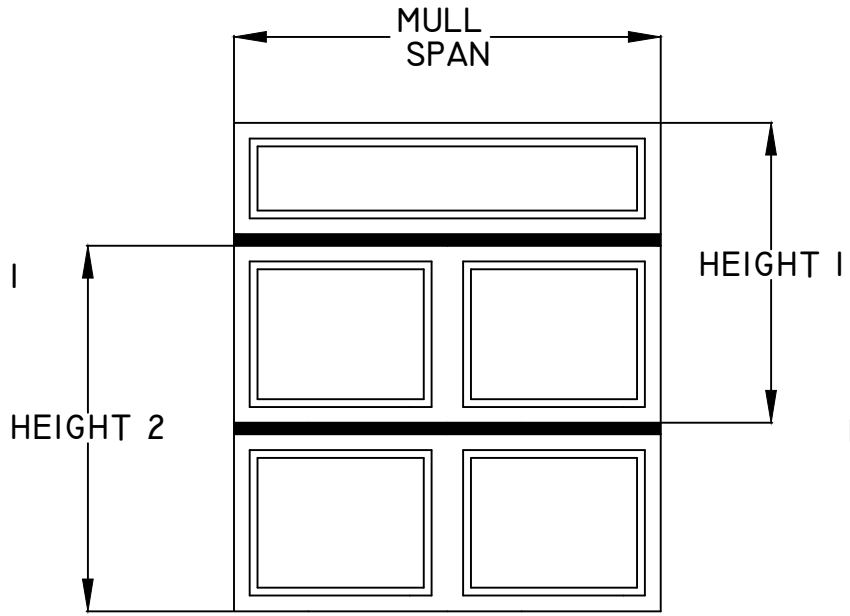
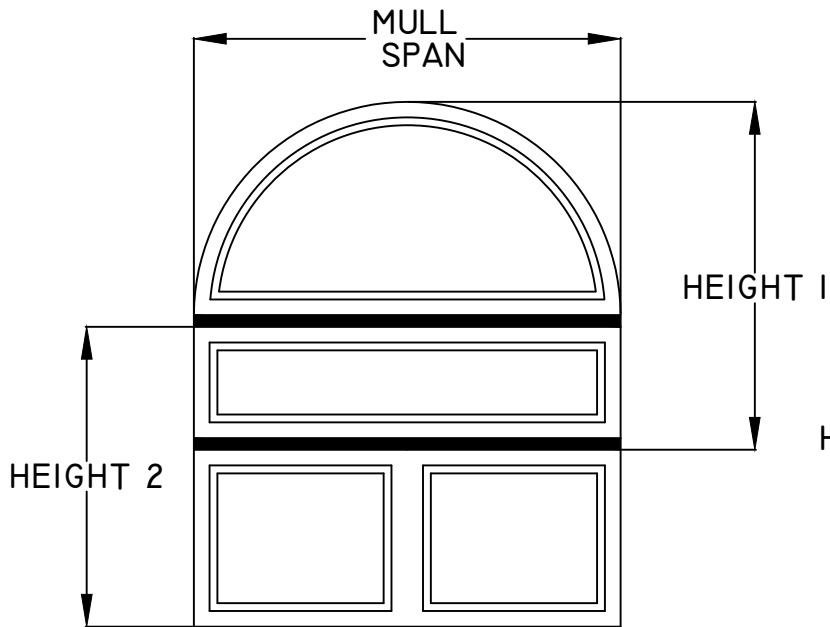
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SHEET: 2 OF 8



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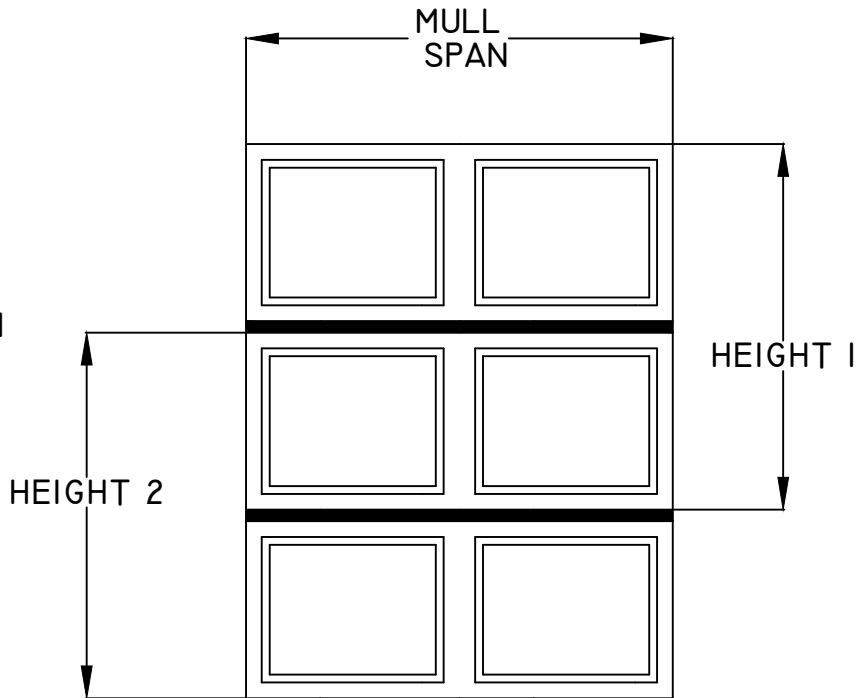
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LOAD WIDTH = HEIGHT 1



2-WIDE 3-HIGH ELEVATION

MULL 1: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 1

MULL 2: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 2



TITLE: 1570 SERIES HORIZONTAL MULLION MULL ELEVATIONS	DATE	07/31/26			
	BY	LMH			
	REVISION DESCRIPTION	A	CURRENT FBC		
	NO.				
DATE:	04.06.21	DWN BY:	LMH	CHK BY:	SCALE: NTS



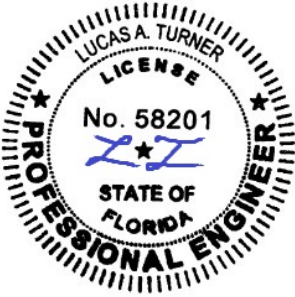
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FL#: **39112**

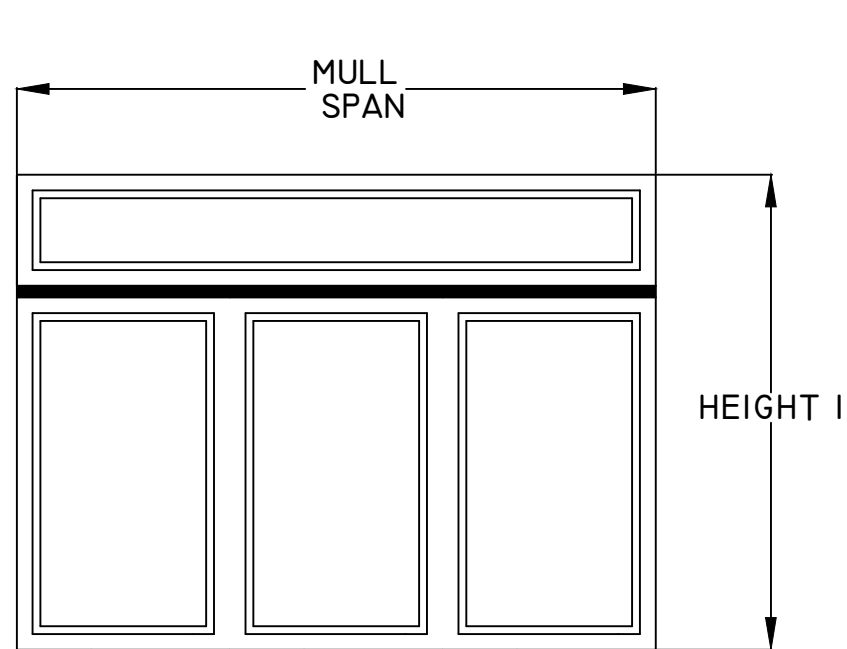
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SHEET: **3 OF 8**

TITLE: 1570 SERIES HORIZONTAL MULLION MULL ELEVATIONS	DATE	07/31/26			
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	REVISION DESCRIPTION	CURRENT FBC			
	NO.	A			
DATE: 04.06.21	DWN BY: LMH	CHK BY:		SCALE: NTS	

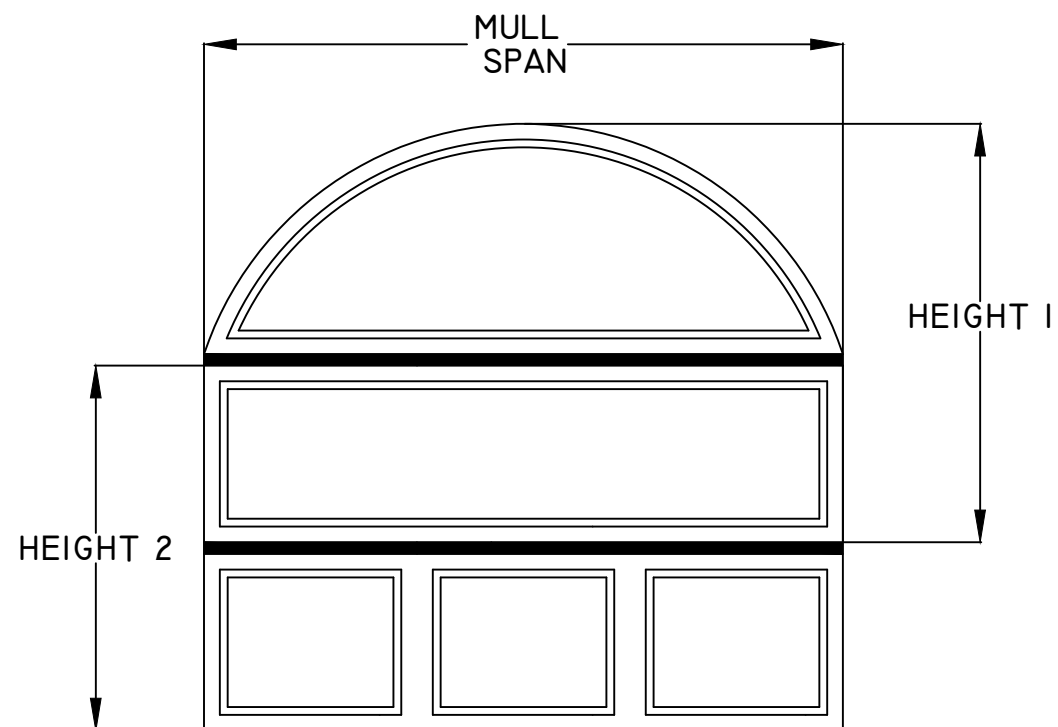
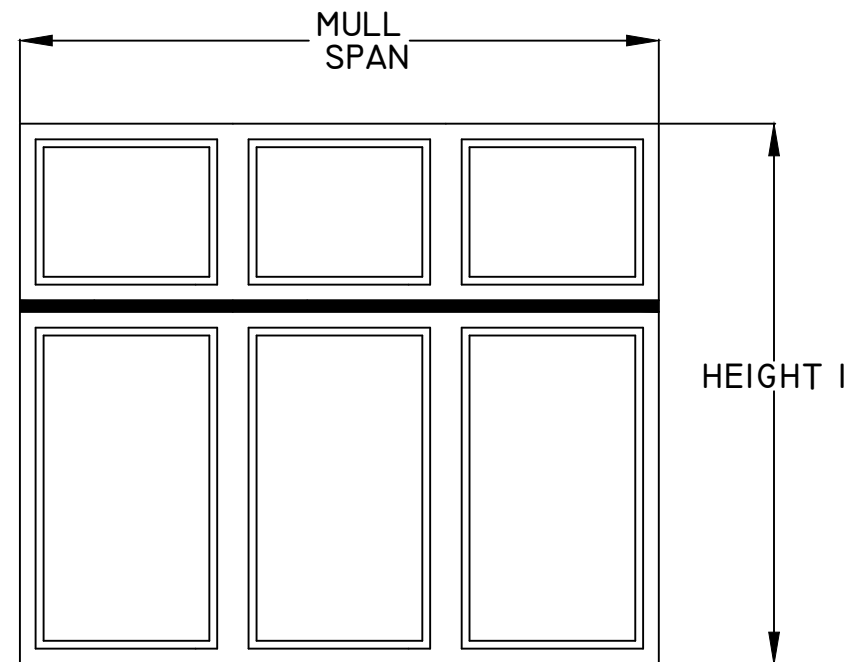


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PH. 941-380-1574



3-WIDE 2-HIGH ELEVATION

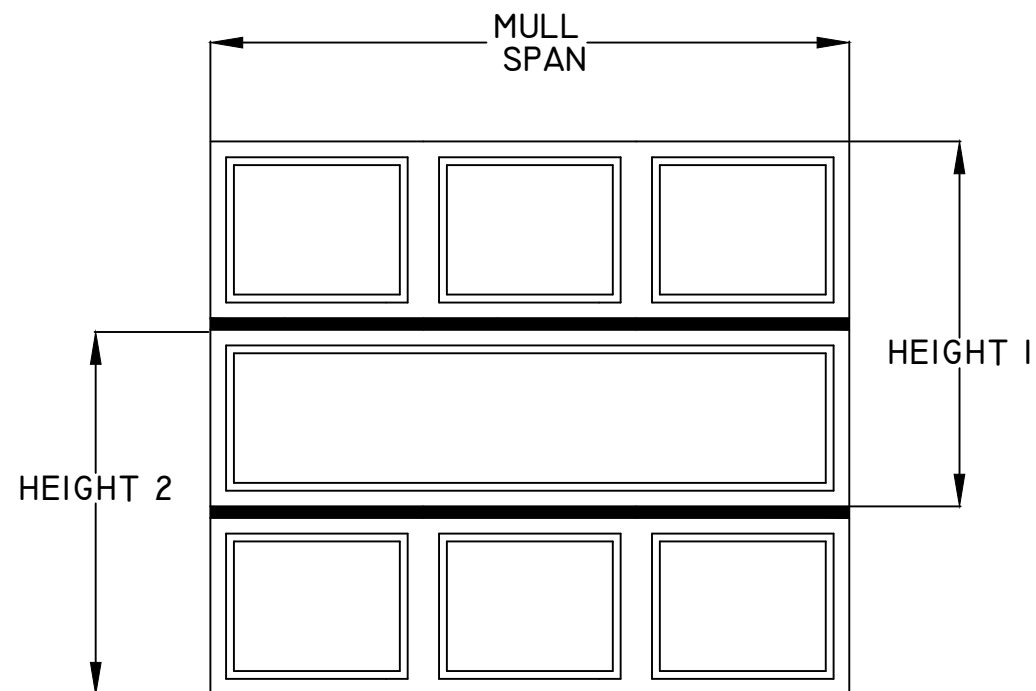
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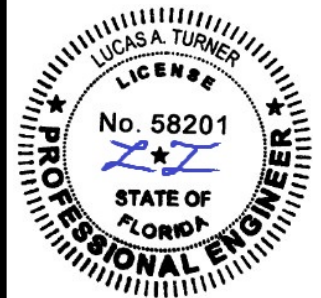
3-WIDE 3-HIGH ELEVATION

MULL 1: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 1

MULL 2: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 2



TITLE: 1570 SERIES HORIZONTAL MULLION MULL ELEVATIONS	DATE	BY	REVISION DESCRIPTION			NO.	DWN BY:	CHK BY:	SCALE:
	04.06.21	LMH	LMH			A	LMH	.	NTS
			07/31/26						
			CURRENT FBC						

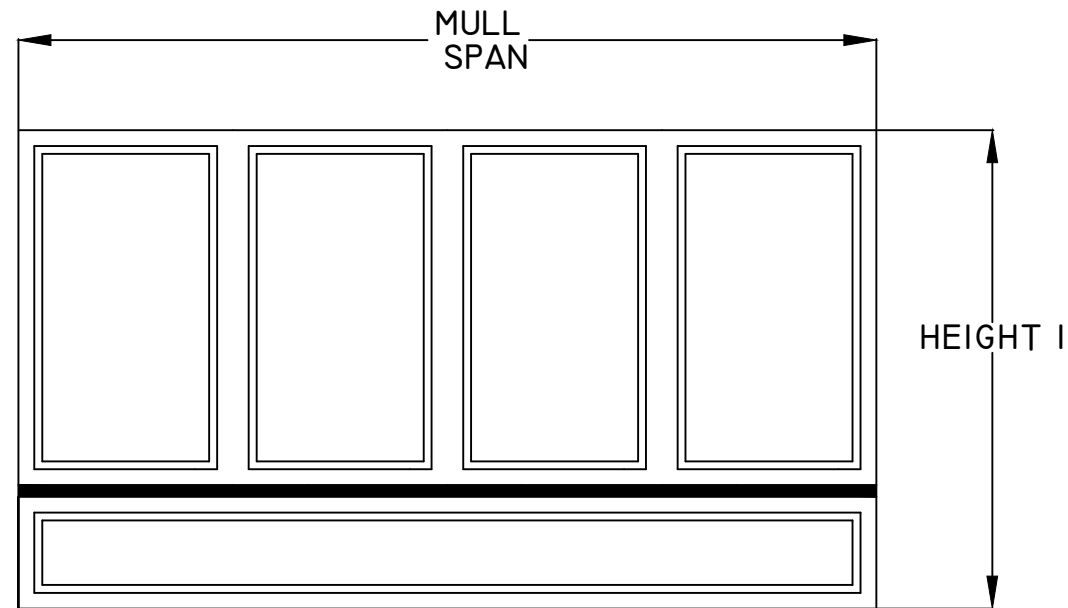


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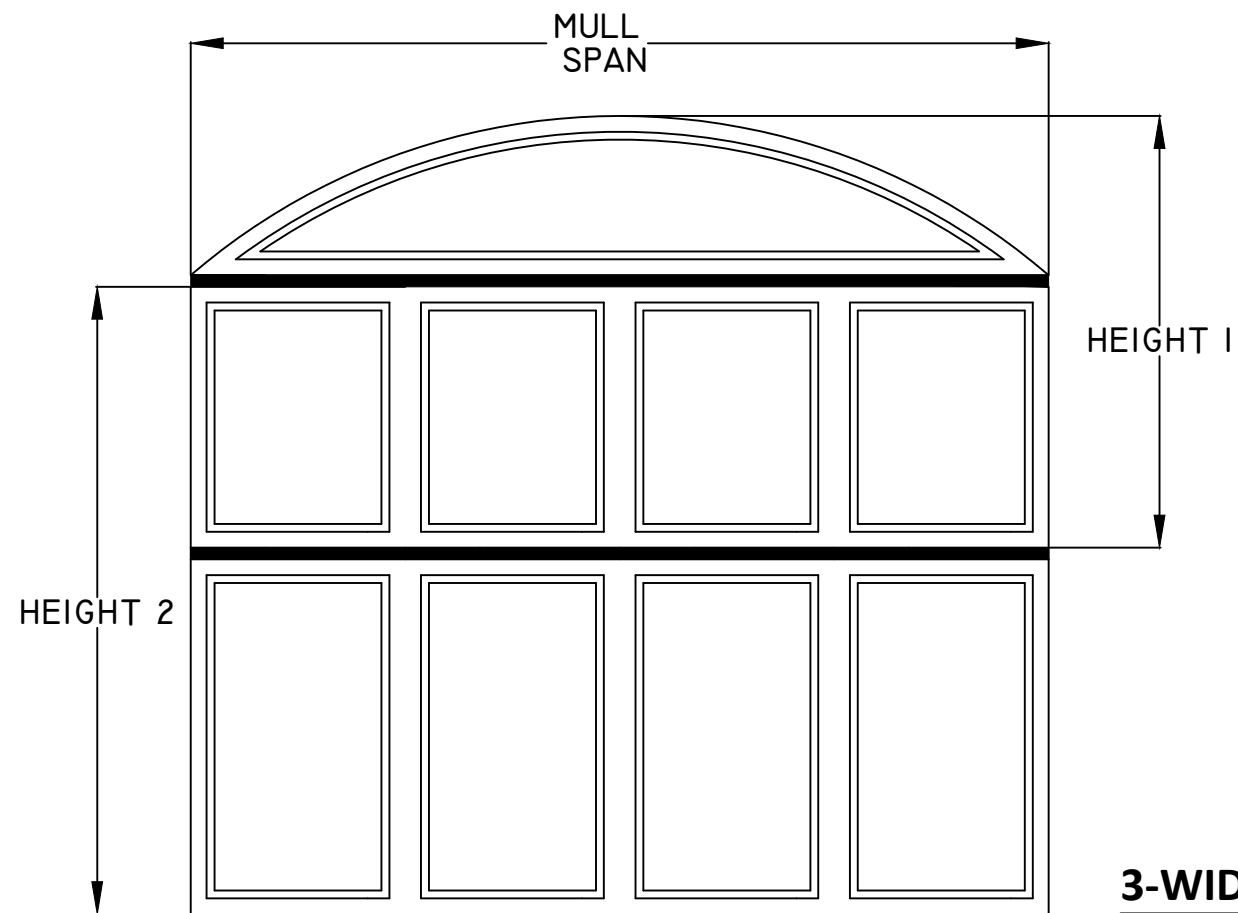
DWG #: PGW328

SHEET: 5 OF 8



4-WIDE 2-HIGH ELEVATION

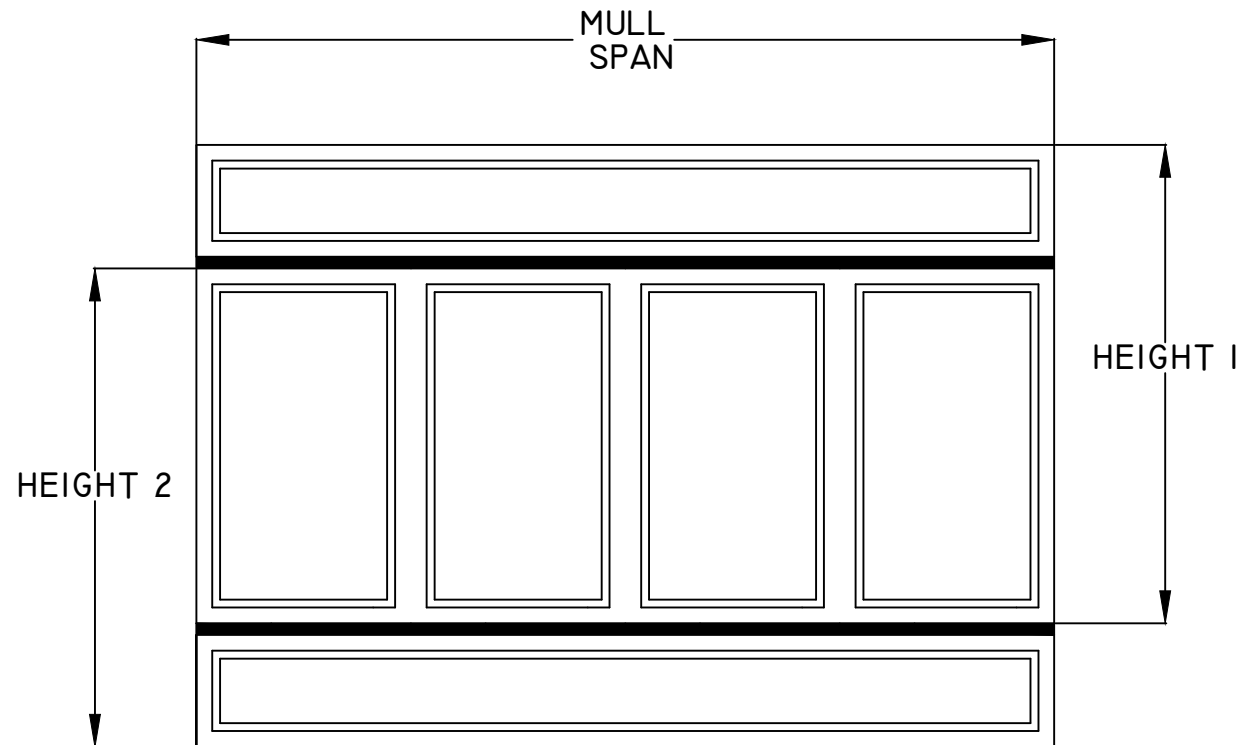
MULL 1: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 1



3-WIDE 3-HIGH ELEVATION

MULL 1: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 1

MULL 2: MULL SPAN = WIDTH 1
LOAD WIDTH = HEIGHT 2



TITLE: I570 SERIES HORIZONTAL MULLION MULLION COMPONENT DETAILS AND ASSEMBLY	DATE	BY	REVISION DESCRIPTION		
	07/31/26	LMH			
DATE: 04.06.21	DWN BY: LMH	CHK BY:	SCALE: NTS		

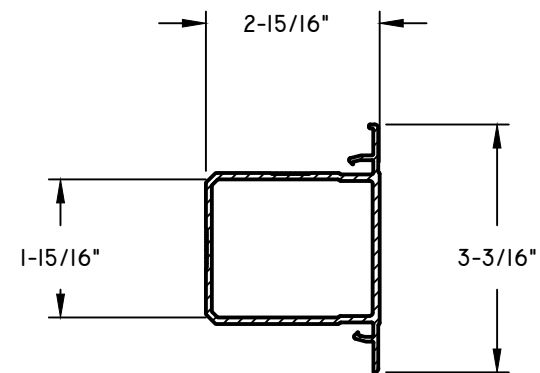


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2428 OLD NACHEZ TRACE
TRAIL, CAMDEN, TN 38320
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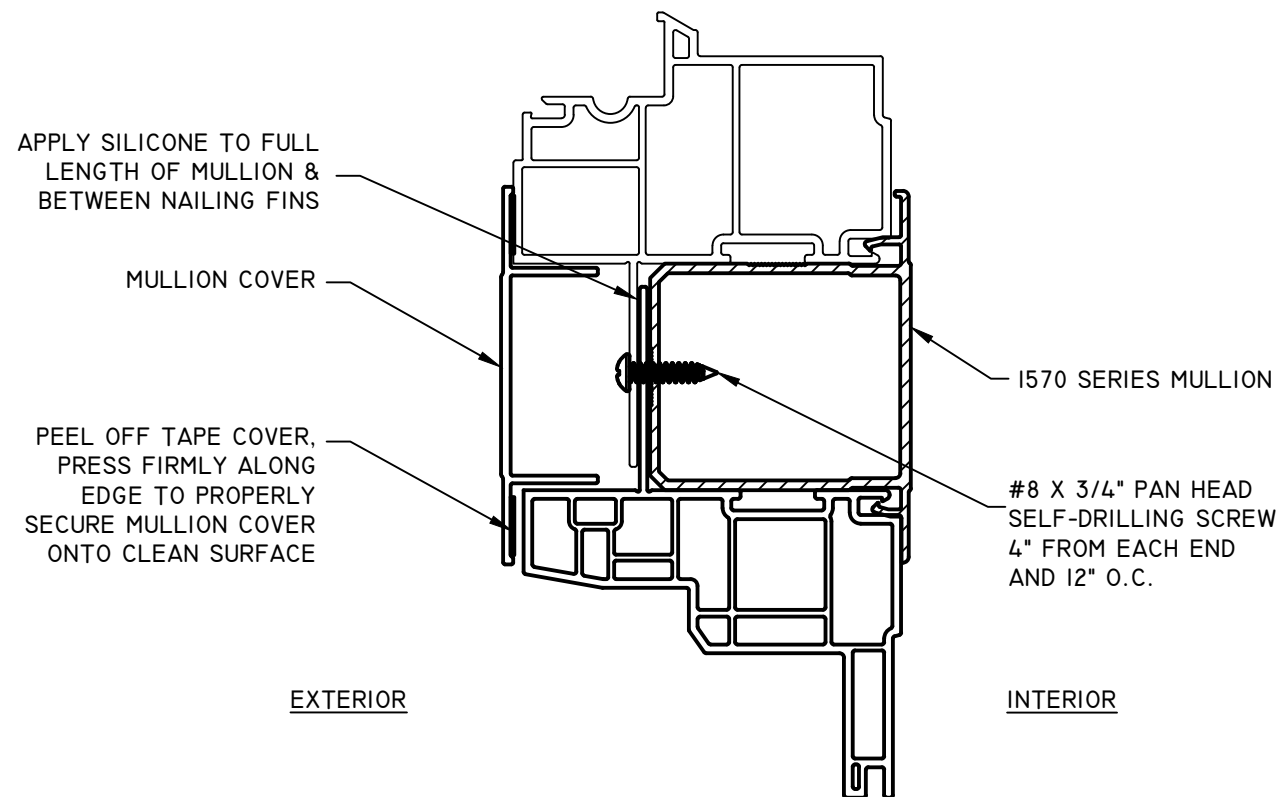
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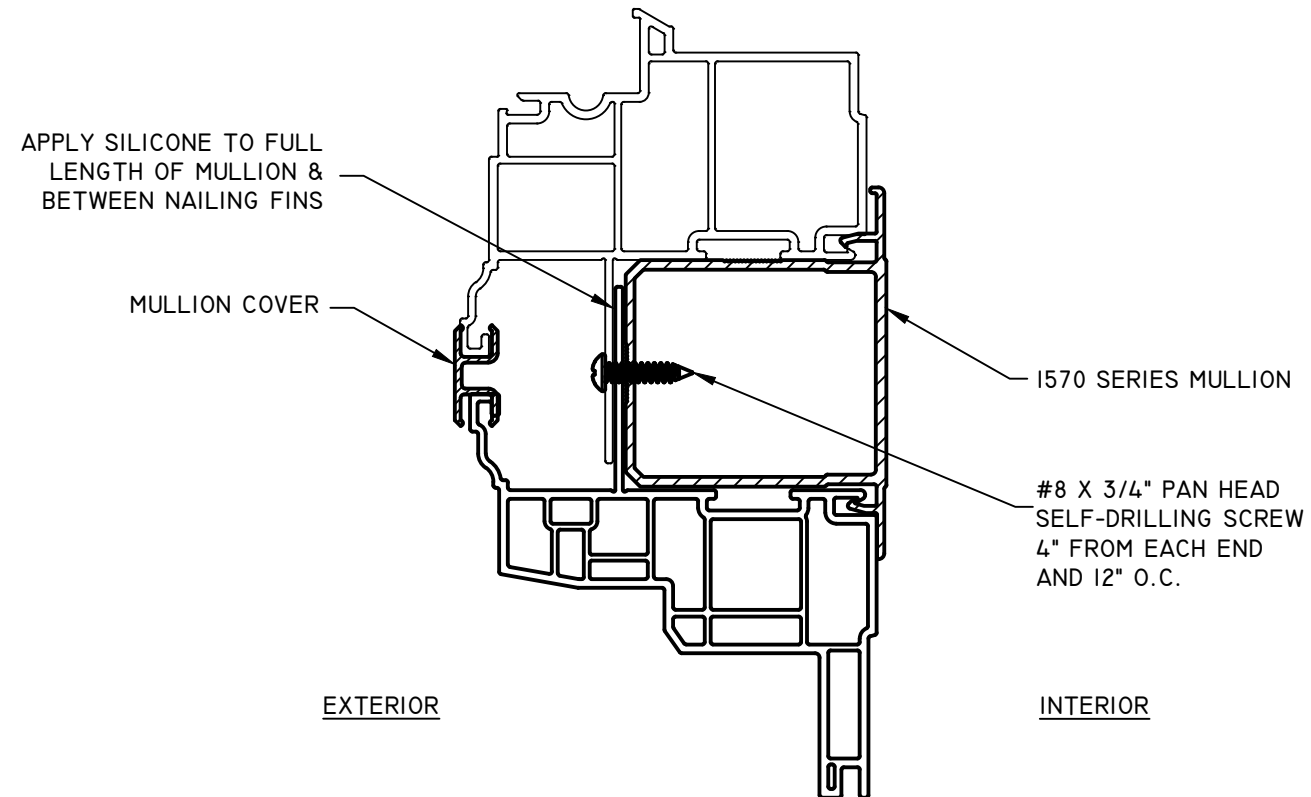
SHEET: **6 OF 8**



I570 SERIES
SL# 50-CA20-A78
HORIZONTAL MULLION



NAIL FIN WITHOUT J-CHANNEL
TYPICAL INTERACTION WITH WINDOWS, MAY
BE USED WITH I570 SERIES CASEMENTS,
AWNINGS OR FIXED WINDOWS.



NAIL FIN WITH J-CHANNEL
TYPICAL INTERACTION WITH WINDOWS, MAY
BE USED WITH I570 SERIES CASEMENTS,
AWNINGS OR FIXED WINDOWS.

DATE:		TITLE: 1570 SERIES HORIZONTAL MULLION			
04.06.21		MULLION PLATE COMPONENT DETAILS AND ASSEMBLY			
DWN BY:		NO.		REVISION DESCRIPTION	
LMH				BY	
		A		LMH	
CHK BY:		CURRENT FBC		DATE	
				07/31/26	
SCALE:					
NTS					

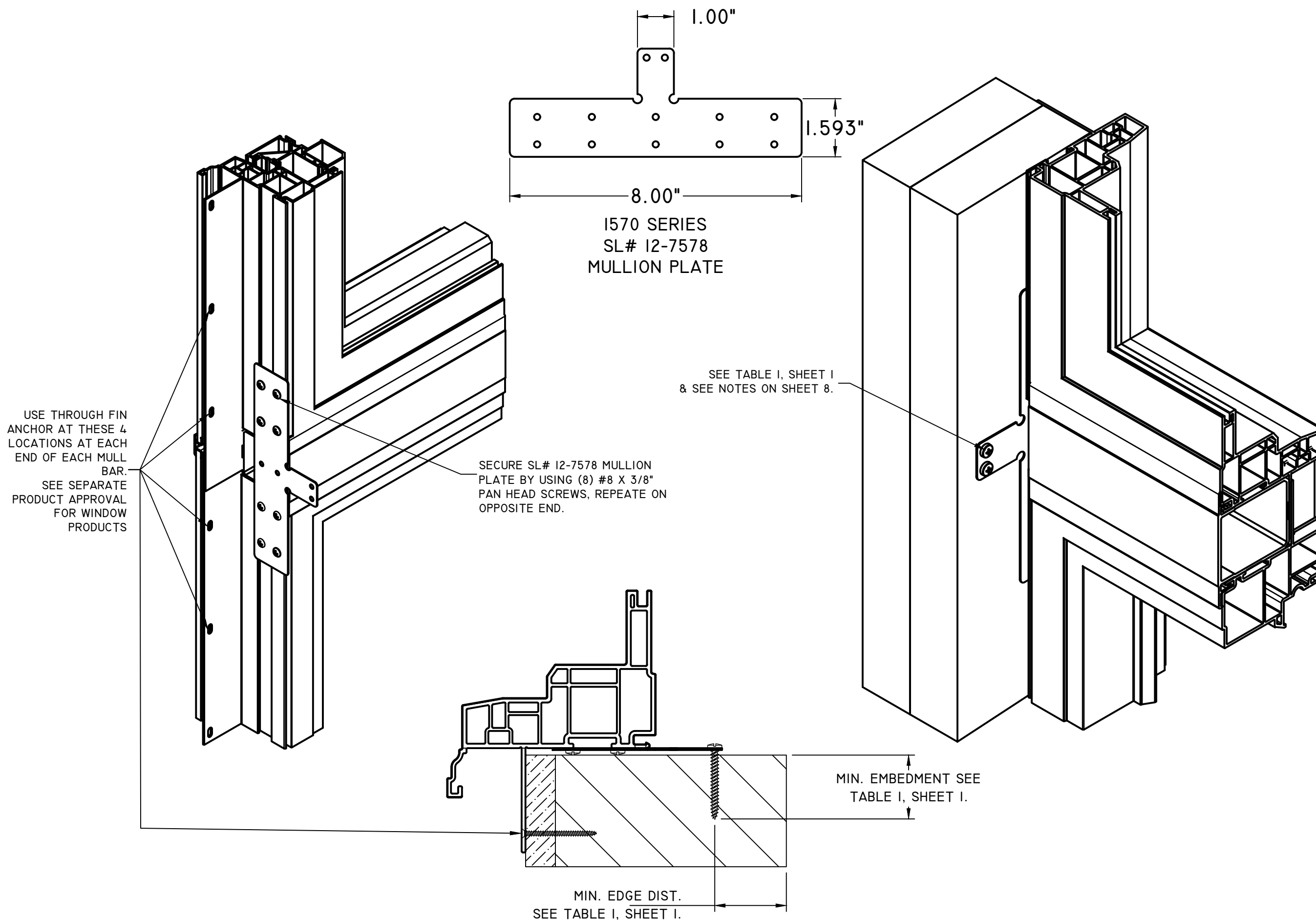


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FL#: 39112

DWG #: PGW328

SHEET: 7 OF 8



Series 1570 Horizontal Mullion Design Pressures (psf)

		Load Width (in.) - See Sheets 2 through 5											
		42	48	54	60	66	72	78	84	90	96	102	106
Mull Span (in) - See Sheets 2 through 5	28 3/8	80	80	80	80	80	80	80	80	80	80	80	80
	48	80	80	80	80	75	71	69	67	66	65	65	65
	61	64	57	51	47	43	41	38	37	35	34	33	33
	71 5/8	46	41	36	33	31	28	27	25	25	25	25	25
	84 5/8	33	29	26	25	25	25	25	25	25	25	25	25
	96 7/8	25	25	25	25	25	25	25	25	25	25	25	25
	108	25	25	25	25	25	25	25	25	25	25	25	25

INSTALLATION ANCHOR NOTES:

1. INSTALL MULLION WITH ONE MULLION PLATE PER EACH END OF MULLION.
2. LOCATE ANCHORS IN THE MULLION PLATE THROUGH PRE-DRILLED HOLES AS NEEDED TO MEET QUANTITY, EDGE DISTANCES, AND CENTER-TO-CENTER DISTANCES AS NOTED BELOW.
3. ANCHOR EMBEDMENTS INDICATED IN TABLE 1, SHEET 1 SHALL BE BEYOND WALL DRESSING OR STUCCO. EDGE DISTANCES SHALL BE MEASURED TO SUBSTRATE BASE MATERIAL NOT INCLUDING WALL DRESSING OR STUCCO AND SHALL APPLY TO BOTH INNER AND OUTER EDGES OF THE SUBSTRATE. THE DRAWING INCLUDES ANCHORAGE OPTIONS FOR NON-COASTAL AREAS. IF PRODUCT IS INSTALLED WITHIN 3000 FEET OF A SALTWATER COASTLINE, THE ANCHORAGE MUST BE REVIEWED FOR COMPLIANCE WITH FBC SECTION 1711, SEE EVALUATION REPORT FOR THIS APPROVAL FOR DETAILS.
4. FOR ATTACHMENT TO WOOD SUBSTRATES (SPRUCE-PINE-FIR WITH G=0.42 MIN.) USE QTY 2 PER EACH MULLION PLATE OF #8 PAN HEAD SCREWS WITH 1-1/2" MIN. PENETRATION INTO WOOD AND 7/8" MIN. EDGE DISTANCE.
5. FOR ATTACHMENT TO 16 GA. (.060") MIN. 33 KSI YIELD MIN. STEEL STUDS OR 1/8" MIN. 6063-T5 MIN. ALUMINUM, USE QTY 2 PER EACH MULLION PLATE OF #10 ITW TEKS SCREWS WITH FULL THREAD PENETRATION THROUGH THE METAL WALL WITH 3/16" MIN. THREADS BEYOND, 1/2" MIN. EDGE DISTANCE AND MAINTAIN 3/4" MIN. CENTER-TO-CENTER DISTANCE BETWEEN ALL TEKS.

TITLE: 1570 SERIES HORIZONTAL MULLION HORIZONTAL MULLION DESIGN PRESSURE CHART & NOTES	DATE	BY	REVISION DESCRIPTION	NO.	DATE	BY	REVISION DESCRIPTION	NO.
	04.06.21	LMH		A	07/31/26	LMH		
DWN BY:		CHK BY:		SCALE:				
LMH				NTS				



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FL#:	39112
DWG #:	PGW328
SHEET:	8 OF 8