



1 COCHRANE AVE. PENNSBORO, WV 26415 PH.
800-426-2249

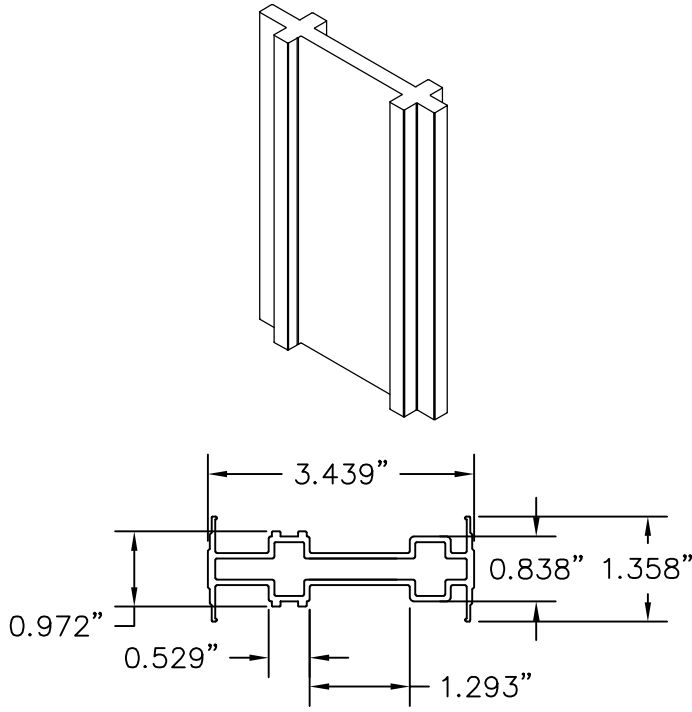
STORMBREAKER PLUS 300VL SERIES
EXTRUDED IMPACT RESISTANT VINYL
MULLIONS WITH MEDIUM ALUMINUM
REINFORCEMENT – HVHZ

GENERAL NOTES:

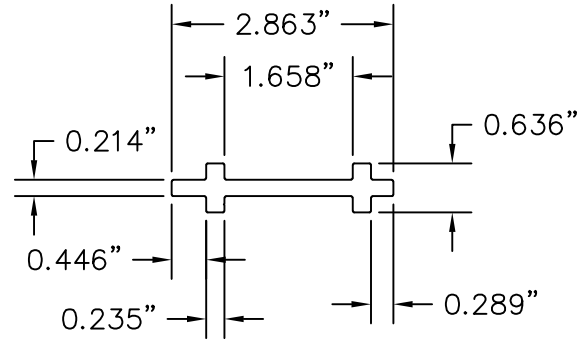
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE REQUIREMENTS INCLUDING HVHZ.
2. THIS MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE WINDOW SYSTEMS.
3. ALL WINDOWS USED WITH THIS MULLION SHALL BE QUALIFIED UNDER SEPARATE APPROVAL. ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE FLORIDA BUILDING CODE REQUIREMENTS.
4. ADEQUACY OF EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT INSTALLATION.
5. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT INSTALLATION.
6. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
7. THIS PRODUCT DOES NOT REQUIRE AN EXTERNAL IMPACT PROTECTIVE SYSTEM IN WINDBORNE DEBRIS REGIONS, AND IS APPROVED FOR USE IN WIND ZONE 4.

PARTS LIST			
NUMBER	DESCRIPTION	PART NO	MATERIAL
1	MEDIUM MULLION COVER	VPI-436	PVC
2	MEDIUM MULLION REINFORCEMENT	20634	6063-T6
3	BASE PLATE		STAINLESS STEEL
4	MULLION L-BRACKET		STAINLESS STEEL

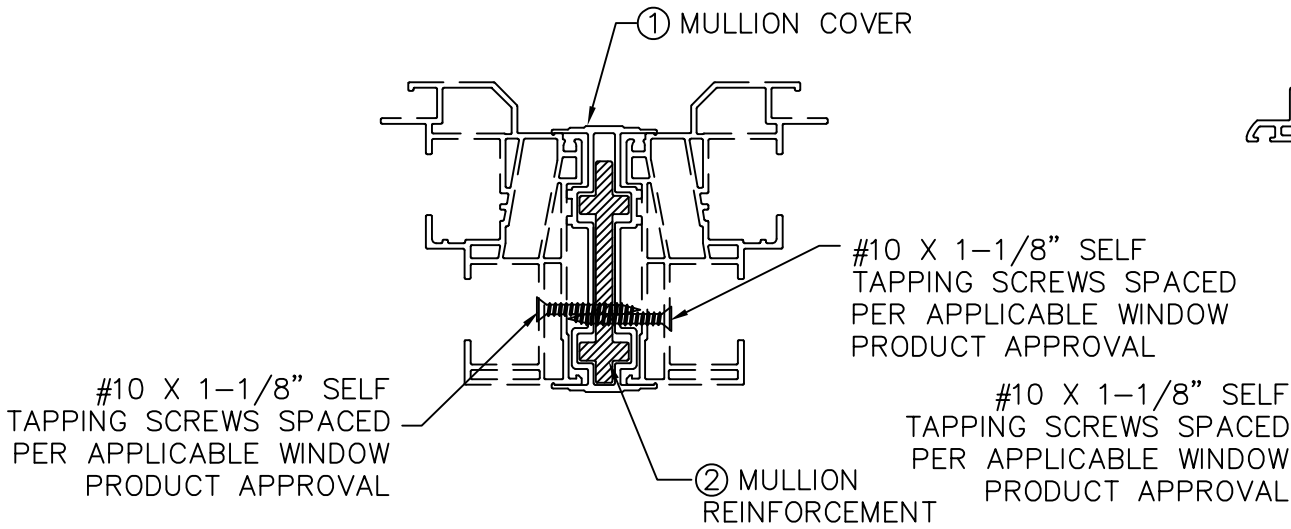
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2	ELEVATION AND DESIGN PRESSURE CHARTS
3	MULLION DETAILS & SILL CROSS SECTIONS



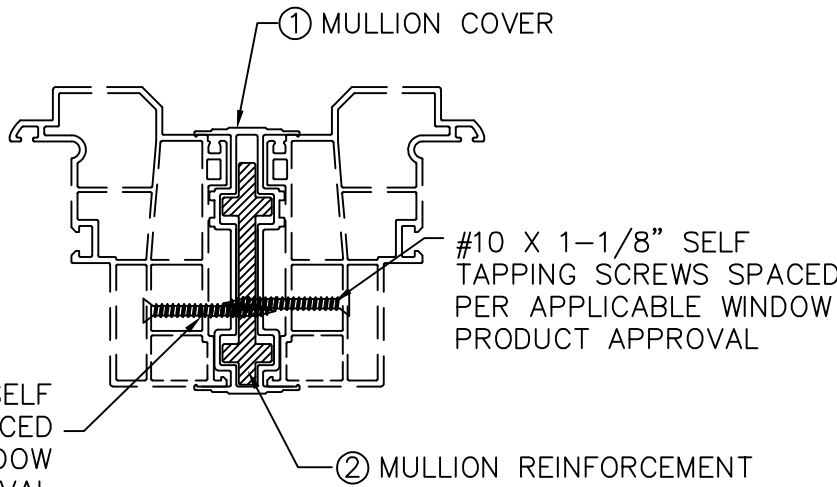
RETROFIT FRAME MULLION
① MEDIUM VINYL MULLION COVER #VPI – 436
EXTRUDED VINYL .070” MIN.



② MEDIUM MULLION REINFORCEMENT #20634
ALUMINUM 6063-T6



DOUBLE HUNG HORIZONTAL CROSS SECTION



PICTURE (FIXED) HORIZONTAL CROSS SECTION

Lucas Turner
2026.08.13
16:45:34
-05'00'

FL 15534

LUCAS A. TURNER, P.E. FL PE #58201
TURNER ENGINEERING & CONSULTING, INC.
FBPE C.O.A. #29779 Ph. 941-380-1574
2428 OLD NATCHEZ TRC. TRL, CAMDEN, TN

SIMONTON
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

SIZE: B RM0052HVVHZ
DRAWN BY: GLS
CHECKED BY: DATE: 12/18/08
APPRVD BY: C.P. DATE: 01-24-12

SCALE: FIT
SHEET: 1 of 3
SERIES: STORMBREAKER PLUS 300VL MULLION
TITLE: GENERAL NOTES & CROSS SECTIONS

DRAWING NO.: B RM0052HVVHZ
REV.: 6



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STORMBREAKER PLUS 300VL SERIES
EXTRUDED IMPACT RESISTANT VINYL
MULLIONS WITH MEDIUM ALUMINUM
REINFORCEMENT – HVHZ

DESIGN PRESSURE RATING (PSF)

±50.0

LARGE MISSILE

MAX. MULLION
SPAN 65", H

30" MAX.
PANEL WIDTH, W

30" MAX.
PANEL WIDTH, W

MULLION ELEVATION

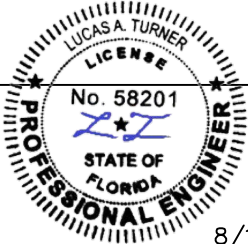
DOUBLE HUNG AND FIXED WINDOWS, UNITS IN PSF, MULLION #20634

NOTE:
The pressure chart shows the design pressures for the selected mullion span and panel width for achieving bending capacity, deflection and concentrated load limits specified in the current Florida Building Code, including HVHZ.

Adhere to fastening instructions provided in this document to achieve the tabulated design pressures.

Multiple mulled conditions are acceptable as long as load width is not exceeded.

REV. #:	REVISIONS:	REVISED BY:	DATE:
2	REVISED PER 2010 FBC	C.P.	01-24-12
3	REVISED PER 5TH ED. (2014) FBC	L.T.	04-25-15
4	UPDATE NOTE 1, SHEET 1, PER 6TH ED. FBC	LMH	10-4-17
5	UPDATE NOTE 1, SHEET 1, PER 7TH ED. FBC	L.T.	9-28-20
6	UPDATED TO CURRENT FBC	LMH	8-10-26



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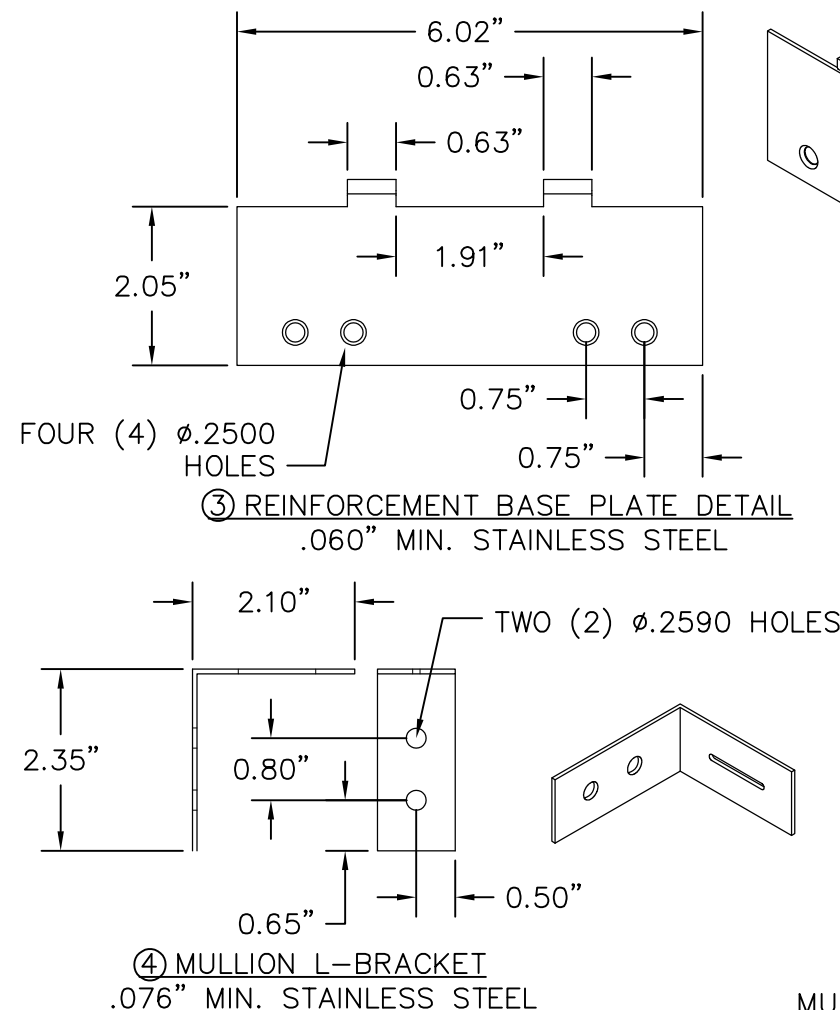
1 COCHRANE AVENUE
PENNSBORO, WV 26415

SIZE: B	DRAWING NO.: RM0052HVHZ	REV.: 6
DRAWN BY: GLS	DATE: 12/18/08	
CHECKED BY:	DATE: 01-24-12	
APPRVD BY: C.P.	DATE:	
SERIES: STORMBREAKER PLUS 300VL MULLION		
TITLE: ELEVATION AND DESIGN PRESSURE CHARTS		



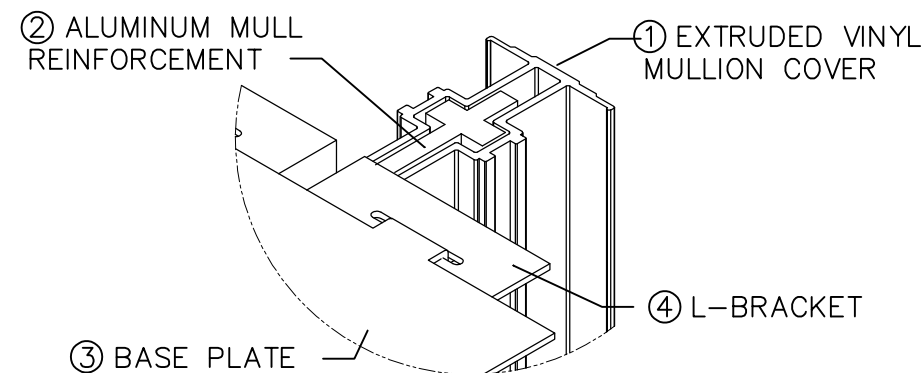
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REINFORCEMENT - HVHZ

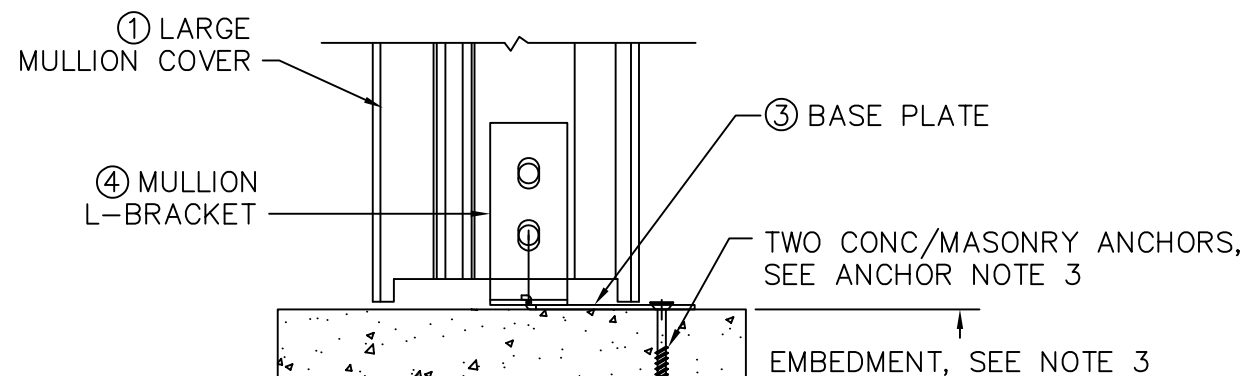


ANCHOR NOTES:

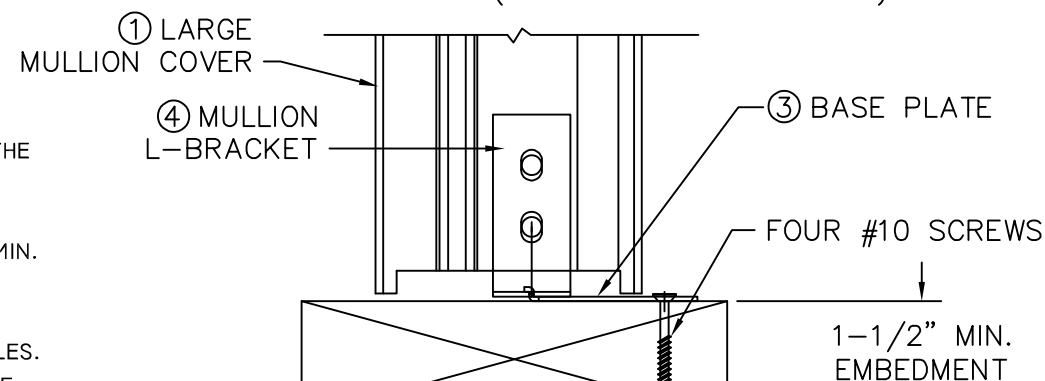
- 1) TO ACHIEVE THE REQUIRED DESIGN PRESSURES, ADHERE TO THE FASTENER REQUIREMENTS BELOW.
- 2) INSTALLATION TO WOOD (G=0.42 MIN):
FOUR (4) #10 WOOD SCREWS FOR EACH BASE PLATE WITH MIN. 1-1/2" EMBEDMENT AND MIN. 7/8" WOOD EDGE DISTANCE.
- 3) INSTALLATION TO CONCRETE/MASONRY:
TWO (2) SCREWS FOR EACH BASE PLATE IN OUTERMOST HOLES. IN GROUT-FILLED CMU BLOCK (ASTM C-90 COMPLIANT) USE 1/4" DEWALT ULTRACONS+ WITH 1-3/8" MIN. EMBED. TO BLOCK AND 1" MIN. EDGE DIST. WITH MIN. 1-1/4" EMBEDMENT. IN SOLID CONCRETE (2.85 KSI MIN.) USE 3/16" ITW TAPCONS OR 1/4" DEWALT ULTRACONS+ WITH 1-3/4" MIN. EMBED TO CONCRETE, AND 1-1/8" MIN. EDGE DIST.
- 4) IF PRODUCT IS INSTALLED WITHIN 3000 FEET OF A SALTWATER COASTLINE, THE ANCHORAGE MUST BE REVIEWED FOR COMPLIANCE WITH FBC SECT. 17II, SEE EVALUATION REPORT FOR THIS APPROVAL FOR DETAILS.



DETAIL A



VERTICAL SECTION @ SILL
MASONRY APPLICATION
(SUBSTRATES BY OTHERS)



VERTICAL SECTION @ SILL
WOOD APPLICATION
(SUBSTRATES BY OTHERS)

TABLE 1 (MULLION ATTACHING HARDWARE)

RIVET	.25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.
BARREL NUT	#10-24 OR #10-32 STAINLESS STEEL BARREL NUT, .250 O.D. X .25" LG WITH .125 MIN ENGAGEMENT

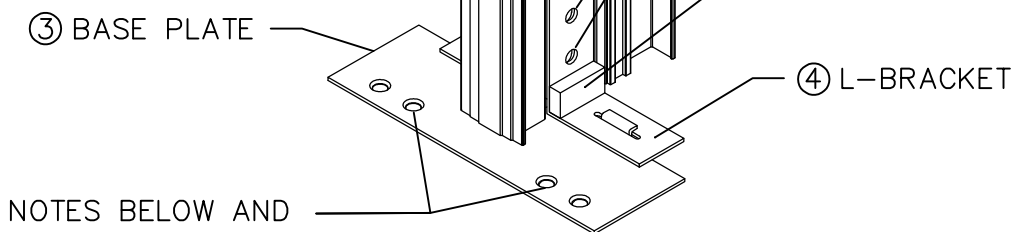
SEE NOTES BELOW AND
MANUFACTURER'S
ATTACHMENT INSTRUCTIONS
FOR ATTACHING REINFORCED
MULLIONS TO WINDOW UNITS

SEE NOTES BELOW AND
MANUFACTURER'S ATTACHMENT
INSTRUCTIONS FOR ATTACHING
REINFORCED MULLIONS TO
WINDOW UNITS

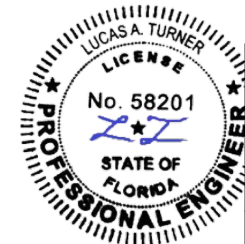


L-BRACKET IS ATTACHED
TO VINYL MULL COVER &
MULL REINFORCEMENT
USING TWO (2) RIVETS
OR BARREL NUTS (305
LB MAX SHEAR) 2 ON
EACH L-BRACKET REFER
TO TABLE 1

PAK-WIK SPACER 1" X
1/2" X 1/4" THK. MAX.
(4) REQ. (2) AT TOP
AND (2) AT BOTTOM



ASSEMBLED MULL AND ATTACHMENT VIEW



FL 15534

8/10/2026
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SIZE: B	DRAWING NO.: RM0052HVHZ	REV.: 6
DRAWN BY: GLS	DATE: 12/18/08	CHECKED BY: DATE:
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SERIES: STORMBREAKER PLUS 300VL MULLION	TITLE: MULLION DETAILS AND SILL CROSS SECTIONS	