

LARGE AND SMALL MISSILE IMPACT. LEVEL D. WIND ZONE 3 DIMENSIONS IN CHART ARE FRAME DIMENSIONS AND DO NOT INCLUDE FLANGE

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1. DEFINE REQUIRED DESIGN LOAD PER TEXAS BUILDING CODE CHAPTER 16.
- 2. DETERMINE TRIBUTARY HEIGHT AND MULLION SPAN BASED ON PRODUCT TO BE INSTALLED. SEE FORMULA FOR TRIBUTARY HEIGHT.
- 3. LOCATE MULLION SPAN (UNIT WIDTH) AND TRIBUTARY HEIGHT. AT THE INTERSECTION OF COLUMN AND ROW CONTAINING THE MULLION SPAN AND TRIBUTARY WIDTH RESPECTIVELY IS THE MULLION RATING FOR PRODUCT IN STEP 2. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED

DESIGN PRESSURE OBTAINED IN STEP 1.

TRIBUTARY

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$HEIGHT = \frac{H1 + H2}{2}$				SINC	2 HORIZONT. GLE WITH T IN AND GEN	
		TABLE OF CONTENTS	DRAWN:		DWG NO.	
	SHEET NO.	DESCRIPTION	A.R.		0	
	1	ELEVATION, NOTES AND DESIGN PRESSURE CHARTS	SCALE NTS	DATE OF	6/05/18	
	2	INSTALLATION DETAILS		TS DATE 06/05/18 L. ROBERTO 1432 WOODFORD RD L	ROBERTO LOM	
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REVISIONS		
DESCRIPTION	DATE	APPROVED
REMOVED TWIN & TRIPLE CONFIGURATIONS	11/21/2019	R.L.

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1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH STATE OF TEXAS MODIFICATIONS AND WITH THE 2015 IBC, 2015 IRC, 2018 IBC AND 2018 IRC.

2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS. 4. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3. 5. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.

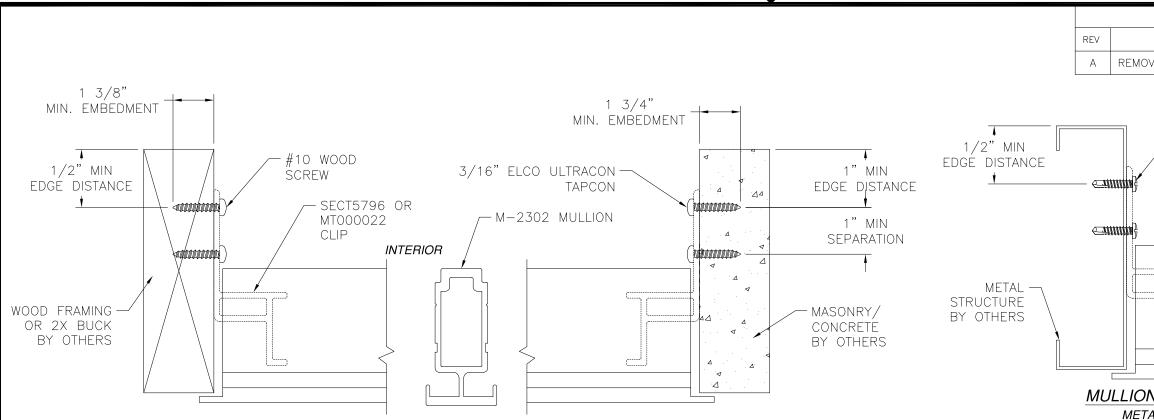
6. SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY MI WINDOWS AND DOORS. 7. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE

ND DOORS, LLC arket street pa 17030					
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O LOMAS P.E. D LEWISVILLE, NC 27023 omas@Irlomaspe.com					

SIGNED: 12/10/2019



Luis R. Lomas P.E. TX No.: 101889



EXTERIOR

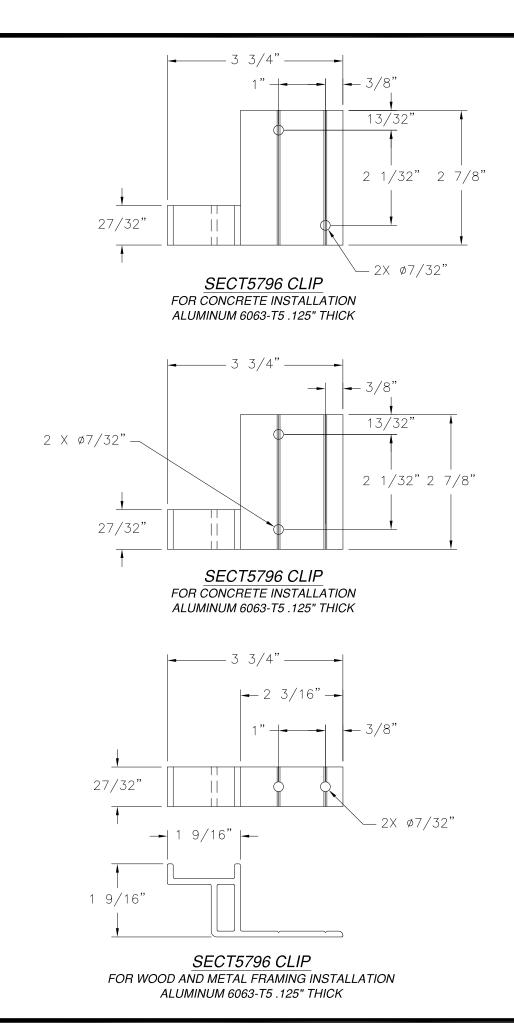
MULLION INSTALLATION WOOD & CONCRETE

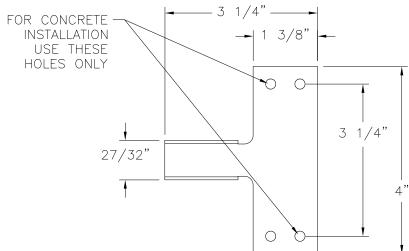
ANCHORING NOTES:

- 1. FOR ANCHORING INTO CONCRETE USE 3/16" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 2. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 3. FOR ANCHORING INTO METAL FRAMING USE #10 SMS OR SELF DRILLING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4. FOR ATTACHING WINDOW UNITS TO MULLION USE #10 TEK SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE MULLION WALL. LOCATE SCREWS 6" FROM EACH MULLION END AND 12" MAX. O.C. THEREAFTER. STAGGER SCREWS AT EACH WINDOW.
- 5. FOR WINDOW UNITS ANCHORING SCHEDULE REFER TO WINDOW APPROVED INSTALLATION INSTRUCTIONS.
- 6. ALL FASTENERS TO BE CORROSION RESISTANT.
- 7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. METAL STRUCTURE STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM.

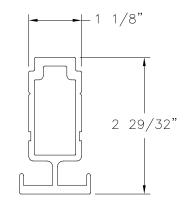
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	1432 WOO	L. ROBERTO LOMA DFORD RD LEWIS 3-0609 rllomas@i	VILLE, NC 2			Luis R. Lomas P.E. TX No.: 101889

REVISIONS DESCRIPTION DATE APPROVED VED TWIN & TRIPLE CONFIGURATIONS 11/21/2019 R.L. #10 SMS OR SELF DRILLING SCREW SECT5796 OR MT000022 CLIP
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MT000022 CLIP 16GA (.063") GALVANIZED STEEL FOR WOOD AND METAL FRAMING INSTALL (4, ANCHORS PER CLIP FOR MASONRY/CONCRETE INSTALLATION USE ANCHORS PER CLIP AS SHOWN



M-2302 MULLION ALUMINUM 6063-T5 .125" THICK

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	REV		[DESCRIPTION		DATE	APPROVED
	А	REMOVED	TWIN	& TRIPLE	CONFIGURATIONS	11/21/2019	R.L.
, 4" 4") (2)							
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