NOTES:

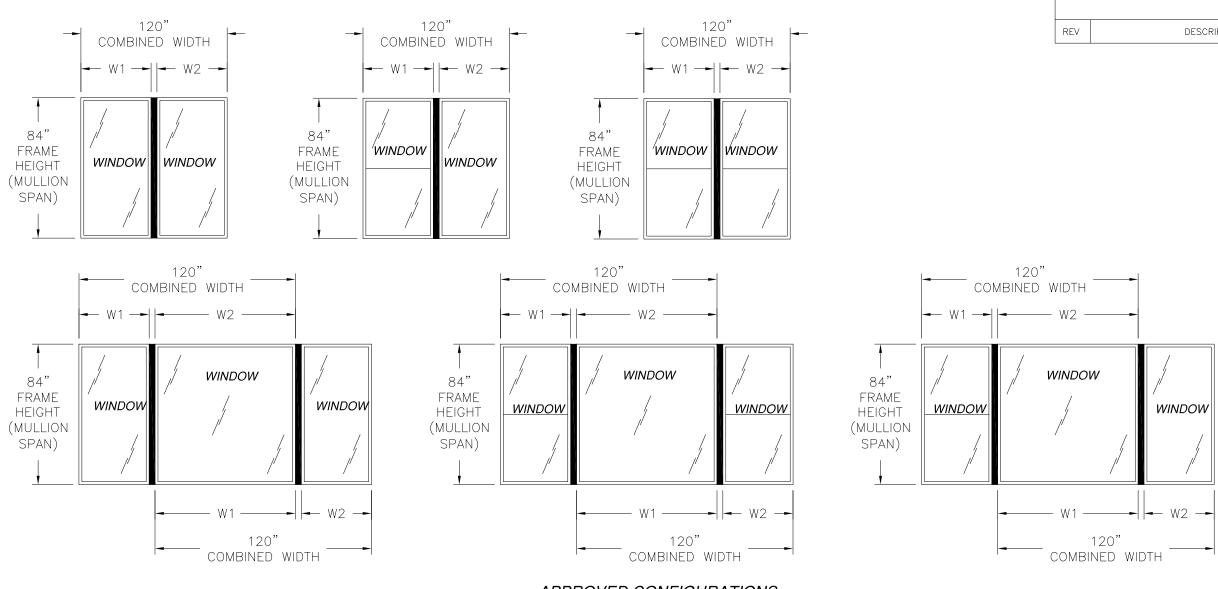
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AN COMPLY WITH REQUIREMENTS OF THE 2018 IB IRC.
- 2. WOOD FRAMING TO BE DESIGNED AND ANCHOR TRANSFER ALL LOADS TO STRUCTURE. FRAMIN RESPONSIBILITY OF THE ARCHITECT OR ENGINE
- 3. ALLOWABLE STRESS INCREASE OF 1/3 WAS N DESIGN OF THE PRODUCT SHOWN HEREIN. WIN FACTOR Cd=1.6 WAS USED FOR WOOD ANCHC
- 4. APPROVED IMPACT PROTECTIVE SYSTEM IS NO PRODUCT IN WIND BORNE DEBRIS REGIONS UI
- 5. DESIGN PRESSURE AND INSTALLATION DETAILS DOCUMENT APPLY ONLY TO MULLION. WINDOW UNDER SEPARATE APPROVAL.
- 6. SINGLE WINDOWS TO BE MULLED ARE NOT LIN SHOWN IN THIS DRAWING. WINDOWS MUST BE WINDOWS AND DOORS, INC.
- 7. DESIGN PRESSURE OF MULLED UNIT SHALL BE THE LESSER DESIGN PRESSURE OF THE MULL INDIVIDUAL WINDOW OR DOOR UNIT.
- 8. UNITS MAY BE MULLED TOGETHER INDEFINITEL UNIT WIDTH AND HEIGHT ARE NOT EXCEEDED ANCHORED AS SHOWN HEREIN.
- 9. MULLION VERTICAL INSTALLATION IS SHOWN, M IN HORIZONTAL APPLICATIONS AS LONG AS DIM HEREIN ARE NOT EXCEEDED AND MULLION IS ACCORDING TO THIS DOCUMENT.

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1. DEFINE REQUIRED DESIGN LOAD PER TEXAS BU CHAPTER 16.
- 2. DETERMINE TRIBUTARY WIDTH AND MULLION SPA PRODUCT TO BE INSTALLED. SEE FORMULA FOR
- 3. LOCATE MULLION SPAN (UNIT HEIGHT) AND TRIE THE INTERSECTION OF ROW AND COLUMN CONT SPAN AND TRIBUTARY WIDTH RESPECTIVELY IS FOR PRODUCT IN STEP 2. MULLION RATING MUST BE EQUAL OR GREATER DESIGN PRESSURE OBTAINED IN STEP 1.

TRIBUTARY WIDTH =  $\frac{W1 + W2}{2}$ 2

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				REV	DESCRIPTION	DATE	APPROVED	
C AND THE ED TO PRO IS THE ER OF REC DT USED IN D LOAD DU R CALCULAT REQUIRED TO WIND SHOWN IN MUST BE TED TO TH WANUFACTU CONTROLL DN OR THE AS LONG ND MULLIO	OPERLY CORD. N THE JRATION TIONS. FOR THIS ZONE 3. THIS APPROVED HOSE JRED BY MI LED BY E AS SINGLE DN IS Y BE USED NDICATED	<ul> <li>ANCHORING NOTES:</li> <li>1. FOR ANCHORING INTO WOOD SCREW WITH SUFFICIENT LEI EMBEDMENT. LOCATE ANCHORING SHEET 3.</li> <li>2. FOR ANCHORING INTO CONCITAPCON WITH SUFFICIENT LEI EMBEDMENT WITH 1" MINIMUL SHOWN IN INSTALLATION DE</li> <li>3. FOR ANCHORING INTO METAL DRILLING SCREW WITH SUFFICIENT LEI EMBEDMENT OF THREE THREIS SCREWS 6" FROM EACH MUL THEREAFTER. STAGGER SCREE</li> <li>5. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHAL ANCHOR MANUFACTURER'S I ANCHORS SHALL NOT BE ULESS THAN THE MINIMUM SPECIES THAN THE MINIMUM SPECIES. ANCHOR SHALL NOT BE ULESS THAN THE MINIMUM CLESS THAN THE MINIMUM CLESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHAL ANCHOR SHALL NOT BE ULESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHALL NOT BE ULESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHALL NOT BE ULESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHALL NOT BE ULESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. INSTALLATION ANCHORS SHALL NOT BE ULESS THAN THE MINIMUM SPECIES. ALL FASTENERS TO BE COR</li> <li>6. ONCRETE - MINIMUM SPECIES. THAN THE MINIMUM SPECIES. THAN THE MINIMUM SPECIES. ALUMINUM 6063-T5 FU=</li> </ul>	NGTH TO ACHIEVE RS AS SHOWN IN CRETE USE 3/16" ENGTH TO ACHIEVE JM EDGE DISTANCE TAILS SHEET 4. L FRAMING USE 7 TICIENT LENGTH TO RENGTH TO ACHIEVE ENGTH SPECIFIE FIC GRAVITY OF COMPRESSIVE STRE CONFORMANCE TO .048") FY=33KSI/	E A 1 3/8" N INSTALLATIO ELCO ULTRA E A 1 1/4" E. LOCATE A 10 SMS OR ACHIEVE A LOCATE AN TAILS. USE #10 SEI (E A MINIMUM ULLION WALL 12" MAX. O.C IDOW. IT. IN ACCORDA TES WITH STR ED BELOW: G=0.42 ENGTH OF 4, ASTM C-9C (FU=52KSI O)	MINIMUM N DETAILS ACON MINIMUM NCHORS AS SELF 3 THREADS CHORS AS LF TAPPING 4 . LOCATE C. ANCE WITH ND RENGTHS ,200 PSI. 0, GRADE N, R			
N BASED O TRIBUTARY	WIDTH.							
AN BASED O TRIBUTARY BUTARY WIDT AINING THE THE MULLION	WIDTH. TH. AT MULLION N RATING					SIGNED: (	05/11/2020	
AN BASED O TRIBUTARY BUTARY WIDT AINING THE THE MULLION	WIDTH. TH. AT MULLION N RATING		M	650 WEST	'S AND DOORS Market street 17030–0370	SIGNED: (	05/11/2020	
AN BASED O TRIBUTARY BUTARY WIDT AINING THE THE MULLION	WIDTH. TH. AT MULLION N RATING	ONTENTS		650 WEST GRATZ, PA -2285 - V 84" MU	MARKET STREET 17030–0370 ERTICAL MULLION LLION SPAN	SIGNED: (	05/11/2020 DF 75 DF 75 1889	
N BASED O TRIBUTARY BUTARY WIDT AINING THE HE MULLION	WIDTH. TH. AT MULLION N RATING JIRED TABLE OF C	ONTENTS SCRIPTION	W	650 WEST GRATZ, PA -2285 – V 84" MU N	MARKET STREET 17030–0370 ERTICAL MULLION LLION SPAN IOTES		05/11/2020	
N BASED O TRIBUTARY BUTARY WIDT AINING THE THE MULLION THAN REQU	WIDTH. TH. AT MULLION N RATING JIRED TABLE OF C			650 WEST GRATZ, PA -2285 - V 84" MU	MARKET STREET 17030–0370 ERTICAL MULLION LLION SPAN IOTES	REV	05/11/2020	
N BASED O TRIBUTARY BUTARY WIDT AINING THE THE MULLION THAN REQU	WIDTH. TH. AT MULLION N RATING JIRED TABLE OF C DES	CRIPTION	DRAWN: A.R.	650 WEST GRATZ, PA -2285 - V 84" MU N	MARKET STREET 17030-0370 ERTICAL MULLION LLION SPAN IOTES 08-03263		05/11/2020 DF 75-11/2020 NSE <sup>D</sup> ALL ENGINE	
1	WIDTH. TH. AT MULLION N RATING JIRED TABLE OF C DES NOTES	CRIPTION	DRAWN: A.R. SCALE NTS	650 WEST GRATZ, PA -2285 - V 84" MU N DWG NC DATE 06/04/ <i>L. ROBER</i>	MARKET STREET 17030-0370 ERTICAL MULLION LLION SPAN IOTES 08-03263	REV	05/11/2020	



APPROVED CONFIGURATIONS MULTIPLE UNITS MAYBE MULLED TOGETHER AS LONG AS COMBINED

WIDTH DOES NOT EXCEED 120" AS SHOWN HEREIN.

	Design pressure rating (psf)								
Units anchored into wood and metal framing									
Mullion	Tributary width (in)				Mullion				
span (in)	18.13	25.50	36.00	42.00	48.00	54.00	60.00		span (in)
25.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0		25.00
37.38	120.0	120.0	120.0	120.0	120.0	120.0	120.0		37.38
49.63	120.0	98.3	81.2	76.9	75.2	75.1	75.1		49.63
62.00	96.4	73.6	56.7	50.9	47.2	44.9	43.9		62.00
65.63	90.2	66.8	49.9	44.6	41.0	38.7	37.4		65.63
72.00	75.7	55.0	40.7	36.1	32.9	30.6	29.1		72.00
84.00	55.3	39.9	29.2	25.6	23.1	21.2	19.8		84.00

	D	)esign p	oressure	e rating	(psf)			
	Units anchored into masonry/concrete							
Mullion		Tributary width (in)						
span (in)	18.13	25.50	36.00	42.00	48.00	54.00	60.00	
25.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
37.38	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
49.63	120.0	109.2	90.2	85.4	83.5	83.4	83.4	
62.00	102.9	75.3	56.7	50.9	47.2	44.9	43.9	
65.63	91.6	66.8	49.9	44.6	41.0	38.7	37.4	
72.00	75.7	55.0	40.7	36.1	32.9	30.6	29.1	
84.00	55.3	39.9	29.2	25.6	23.1	21.2	19.8	

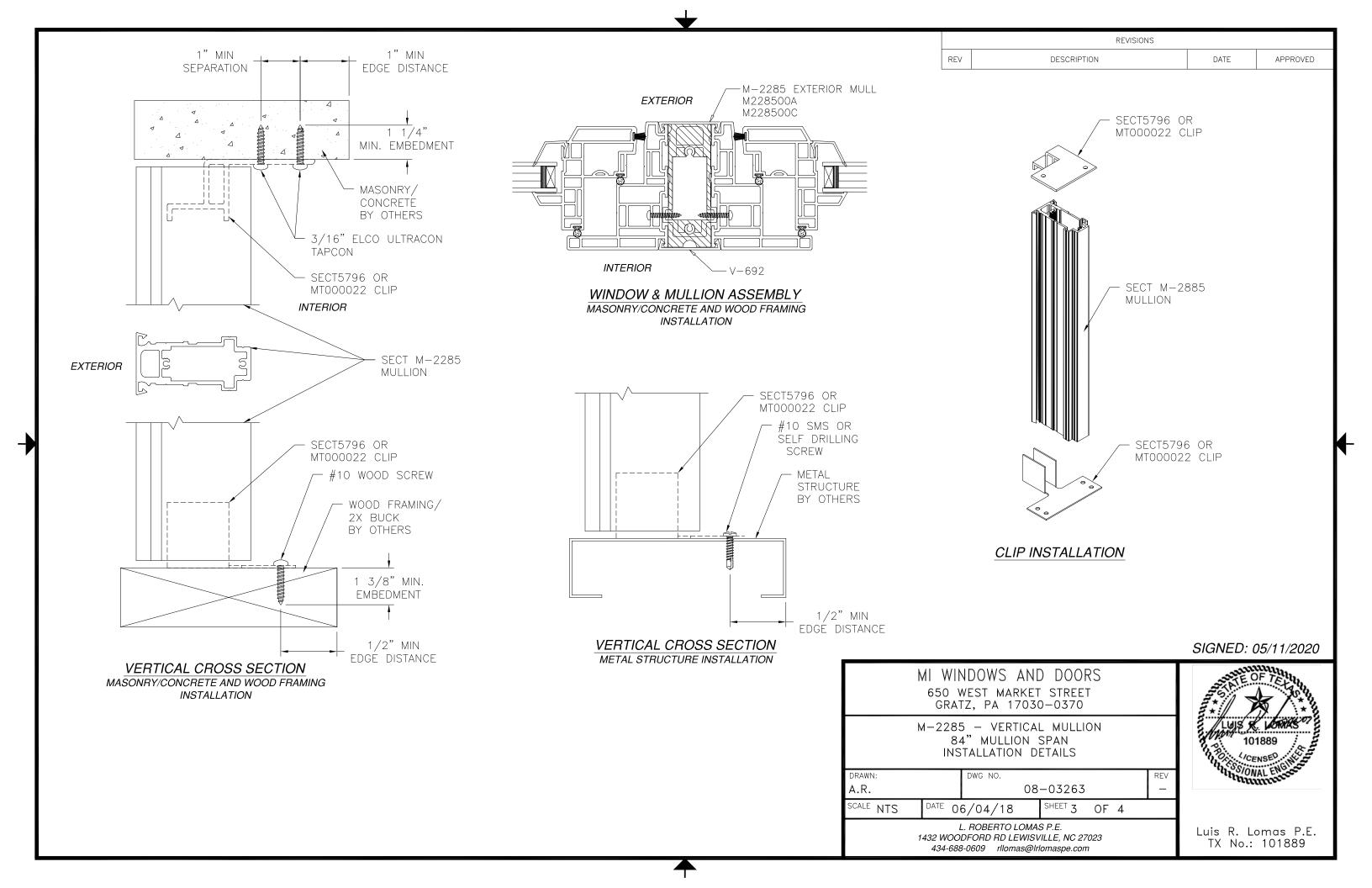
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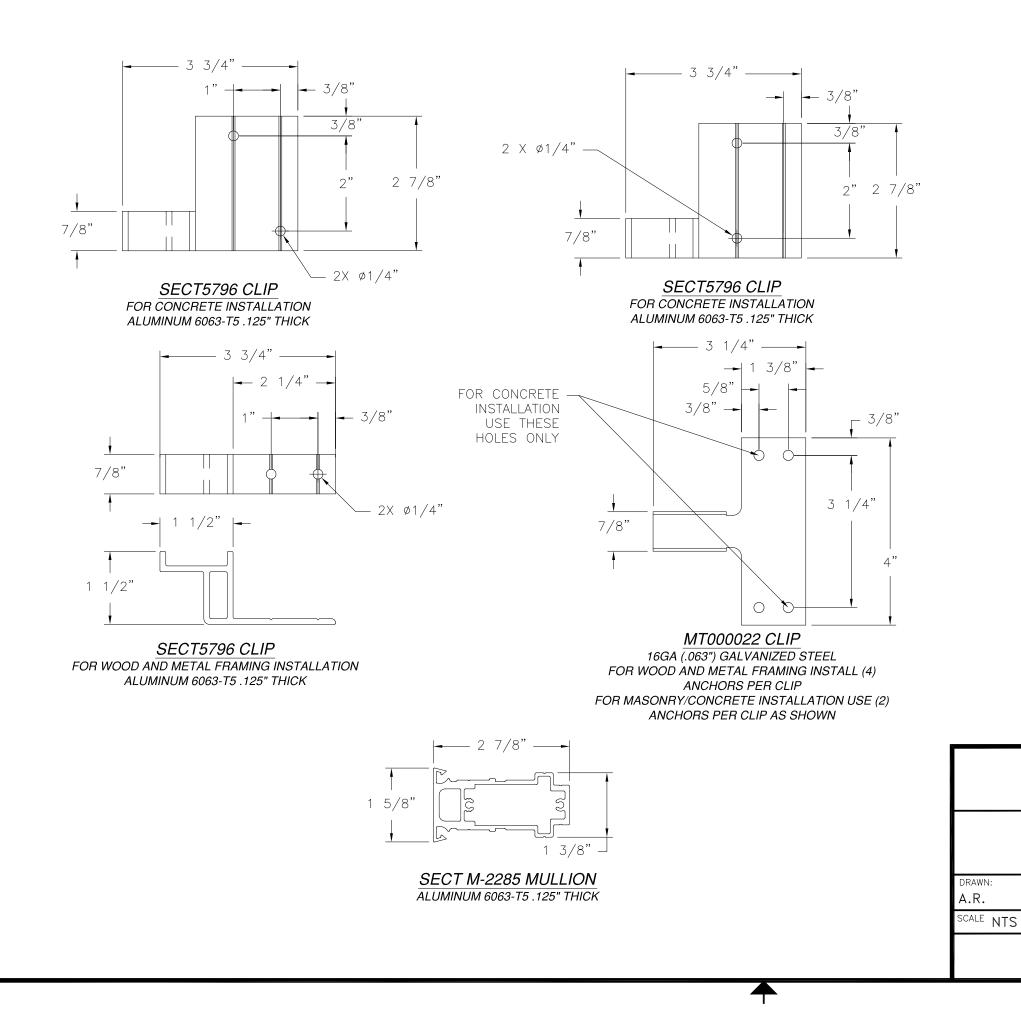
Units anchored into wood and metal framing									
Mullion	Tributary width (in)								
span (in)	18.13	25.50	36.00	42.00	0 48.00 54.00 60.				
25.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
37.38	120.0	120.0	120.0	120.0	120.0	120.0	120.0		
49.63	120.0	98.3	81.2	76.9	75.2	75.1	75.1		
62.00	96.4	73.6	56.7	50.9	47.2	44.9	43.9		
65.63	90.2	66.8	49.9	44.6	41.0	38.7	37.4		
72.00	75.7	55.0	40.7	36.1	32.9	30.6	29.1		
84.00	55.3	39.9	29.2	25.6	23.1	21.2	19.8		

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

					SIGNED: 05/11/2020		
650	NDOWS ANI west market tz, pa 1703	I STREET			LUIS & LOWINS 101889		
8	5 – VERTICA 4" MULLION RATIONS AND	SPAN					
DRAWN: DWG NO. REV A.R. 08-03263 -			REV	ansolonal Engen			
SCALE NTS DATE O	6/04/18	<sup>SHEET</sup> 2 0	)F 4				
1432 WOO	L. ROBERTO LOMA DFORD RD LEWISV 8-0609 rllomas@lr	/ILLE, NC 27023	3		Luis R. Lomas P.E. TX No.: 101889		

REVISIONS		
DESCRIPTION	DATE	APPROVED





REVISIONS						
DESCRIPTION	DATE	APPROVED				
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eranze	
DOWS AND DOORS Yest market street z, pa 17030-0370	650
- VERTICAL MULLION " MULLION SPAN COMPONENTS	
DWG NO. REV	
08-03263 -	
/04/18 SHEET 4 OF 4	DATE 0
ROBERTO LOMAS P.E.Luis R.DFORD RD LEWISVILLE, NC 27023TX NC0609 rilomas@irlomaspe.comTX NC	1432 WOO

## SIGNED: 05/11/2020



Lomas P.E. No.: 101889