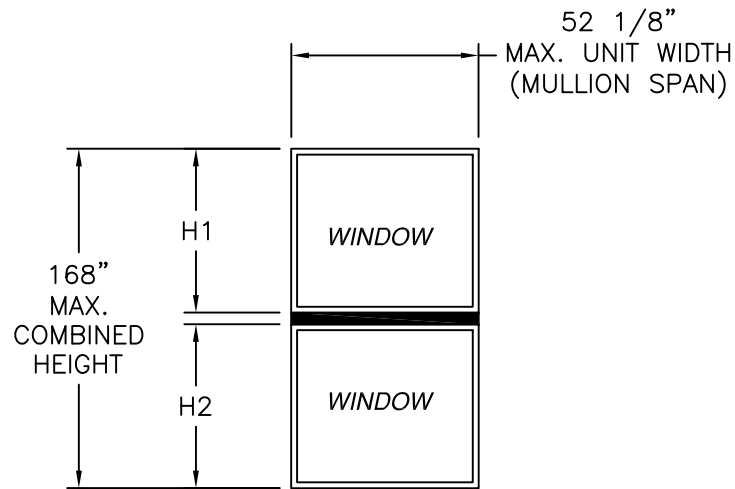
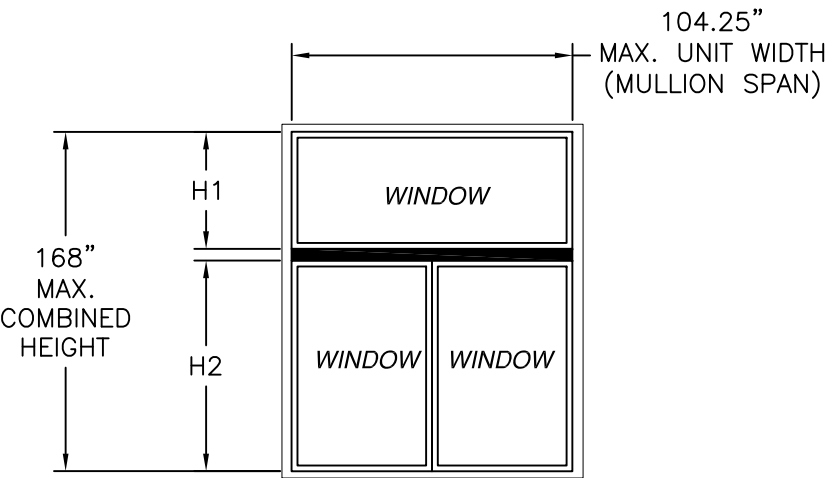




Maximum design presssure (psf)

Tributary height (in)	Mullion span (in)						
	18.00	24.00	30.00	36.00	42.00	48.00	52.13
18.00	120.0	120.0	120.0	120.0	90.1	67.9	57.2
24.00	120.0	120.0	120.0	101.4	71.2	53.0	44.3
30.00	120.0	120.0	120.0	89.9	61.1	44.7	37.0
36.00	120.0	120.0	120.0	86.3	56.0	39.9	32.6
42.00	120.0	120.0	120.0	86.3	54.4	37.3	30.0
48.00	120.0	120.0	120.0	86.3	54.4	36.4	28.7
54.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4
60.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4
66.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4
72.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4
78.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4
84.00	120.0	120.0	120.0	86.3	54.4	36.4	28.4

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



Maximum design pressure capacity chart (psf)

Tributary Height (in)	Mullion Span and individual unit width (in)						
	36.00	48.00	60.00	72.00	84.00	96.00	104.25
18.00	120.0	99.8	50.0	28.6	17.8	-	-
24.00	120.0	78.1	38.6	21.9	-	-	-
30.00	120.0	65.4	32.0	18.0	-	-	-
36.00	120.0	57.1	27.6	15.4	-	-	-
42.00	120.0	51.6	24.6	-	-	-	-
48.00	115.1	47.7	22.4	-	-	-	-
54.00	106.3	44.8	20.8	-	-	-	-
60.00	98.7	42.2	19.6	-	-	-	-
66.00	92.1	39.9	18.6	-	-	-	-
72.00	86.3	37.8	17.7	-	-	-	-
78.00	81.3	35.9	16.9	-	-	-	-
84.00	76.8	34.2	16.1	-	-	-	-

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	06/10/15	R.L.
B	REVISED INSTALLATION DETAILS	10/16/17	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 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 INDIVIDUAL WINDOW UNIT.
- 8) VERTICAL MULLIONS ARE NOT PART OF THIS APPROVAL. VERTICAL MULLIONS USED TO MULL UNITS SIDE BY SIDE MUST HAVE SEPARATE APPROVAL.

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1) DEFINE REQUIRED DESIGN LOAD PER FLORIDA 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 HEIGHT= $\frac{H1 + H2}{2}$

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1, 2	ELEVATION, NOTES AND DESIGN PRESSURE CHARTS
3	INSTALLATION DETAILS

MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

CM-18523 HORIZONTAL MULLION
SINGLE AND TWIN WITH TRANSOM
ELEVATION AND GENERAL NOTES

DRAWN:
V.L.

DWG NO.
08-01452

REV
B

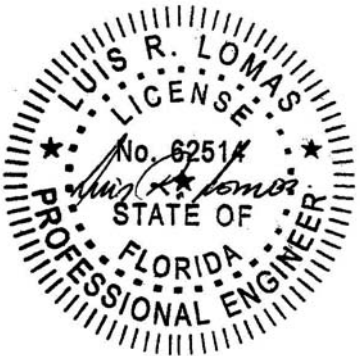
SCALE NTS

DATE 03/06/12

SHEET 1 OF 2

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/17/2017



Luis R. Lomas P.E.
FL No.: 62514

