

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.

NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2. WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING 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 MULLION. DOORS AND TRANSOMS MUST BE APPROVED UNDER SEPARATE APPROVAL.
- 6. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL DOOR AND TRANSOM UNIT.

ANCHORING NOTES:

- 1. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 2. FOR ANCHORING INTO CONCRETE USE 1/4" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 3. FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4. FOR ATTACHING DOOR AND TRANSOM FRAME TO MULLION USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE SCREWS IN ACCORDANCE WITH DOOR AND TRANSOM FRAME ANCHORING SCHEDULE AS SHOWN IN DOOR AND TRANSOM FRAME SEPARATE APPROVAL.
- 5. ALL FASTENERS TO BE CORROSION RESISTANT.
- 6. 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. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

SIGNED: 08/27/2024

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10	COMPONENTS

REILLY ARCHITECTURAL
901 BURMAN BLVD. BUILDING 701
CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS
IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03738

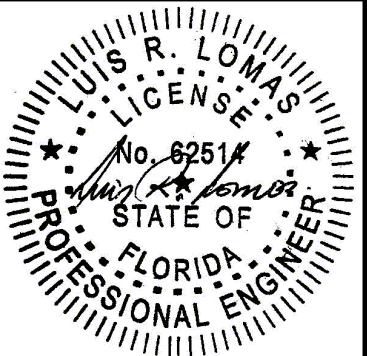
REV
B

SCALE NTS

DATE 06/02/2021

SHEET 1 OF 10

L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

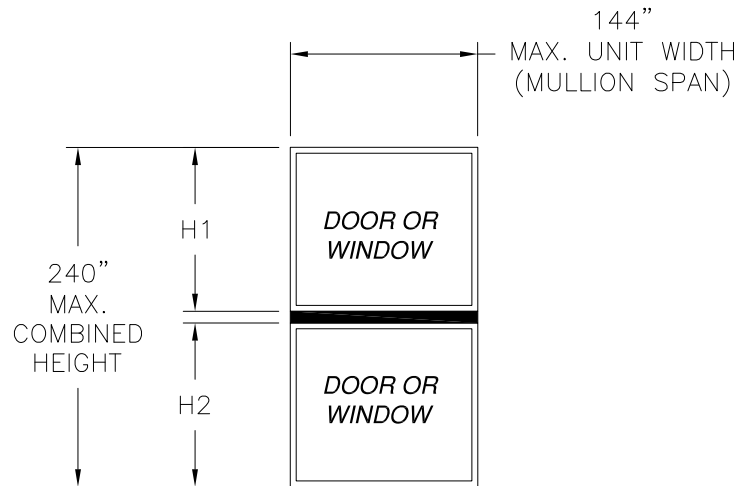


Luis R. Lomas P.E.
FL No.: 62514

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.

$$\text{TRIBUTARY HEIGHT} = \frac{H1 + H2}{2}$$



REVISIONS			
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B	ADDED MZ1 MULLION	08/26/2024	R.L.

Maximum design presssure (psf)
M1 Mullion

Tributary height (in)	Mullion span (in)								
	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
30.00	150.0	150.0	150.0	150.0	130.0	109.8	94.0	81.4	71.2
36.00	150.0	150.0	150.0	134.9	111.4	93.6	79.9	69.0	60.2
42.00	150.0	150.0	150.0	120.4	98.7	82.5	70.1	60.4	52.6
48.00	150.0	150.0	140.1	110.6	89.9	74.7	63.1	54.1	47.0
54.00	150.0	150.0	134.2	104.3	83.8	69.0	58.0	49.5	42.8
60.00	150.0	150.0	132.3	100.6	79.7	65.0	54.2	46.0	39.6
66.00	150.0	150.0	132.3	99.4	77.3	62.3	51.5	43.4	37.2
72.00	150.0	150.0	132.3	99.4	76.6	60.7	49.7	41.5	35.3
78.00	150.0	150.0	132.3	99.4	76.6	60.2	48.6	40.2	34.0
84.00	150.0	150.0	132.3	99.4	76.6	60.2	48.2	39.5	33.0
90.00	150.0	150.0	132.3	99.4	76.6	60.2	48.2	39.2	32.5
96.00	150.0	150.0	132.3	99.4	76.6	60.2	48.2	39.2	32.3

Maximum design presssure (psf)
M2 Mullion

Tributary height (in)	Mullion span (in)								
	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
30.00	150.0	150.0	150.0	150.0	150.0	150.0	141.8	130.5	120.8
36.00	150.0	150.0	150.0	150.0	150.0	135.9	123.5	113.2	104.5
42.00	150.0	150.0	150.0	150.0	137.0	122.6	110.9	101.3	91.6
48.00	150.0	150.0	150.0	145.6	127.4	113.2	101.9	92.7	81.8
54.00	150.0	150.0	150.0	139.4	120.8	106.6	95.4	86.2	74.5
60.00	150.0	150.0	150.0	135.9	116.5	101.9	90.6	80.1	69.0
66.00	150.0	150.0	150.0	134.8	114.0	98.8	87.2	75.6	64.7
72.00	150.0	150.0	150.0	134.8	113.2	97.1	84.9	72.3	61.5
78.00	150.0	150.0	150.0	134.8	113.2	96.5	83.6	70.0	59.2
84.00	150.0	150.0	150.0	134.8	113.2	96.5	83.2	68.7	57.5
90.00	150.0	150.0	150.0	134.8	113.2	96.5	83.2	68.3	56.6
96.00	150.0	150.0	150.0	134.8	113.2	96.5	83.2	68.3	56.2

Maximum design presssure (psf)
M3 Mullion

Tributary height (in)	Mullion span (in)								
	84.00	90.00	96.00	102.00	108.00	114.00	120.00	126.00	132.00
30.00	150.0	150.0	150.0	150.0	150.0	148.2	139.8	132.2	125.4
36.00	150.0	150.0	150.0	145.6	135.9	127.4	119.9	113.2	107.3
42.00	150.0	150.0	139.8	129.4	120.5	112.7	105.9	99.8	94.4
48.00	150.0	139.0	127.4	117.6	109.2	101.9	95.6	89.9	84.9
54.00	143.0	129.4	118.2	108.7	100.7	93.7	87.7	82.4	77.7
60.00	135.9	122.3	111.2	101.9	94.1	87.4	81.5	76.4	71.9
66.00	130.8	117.0	105.9	96.7	88.9	82.4	76.7	71.7	67.4
72.00	127.4	113.2	101.9	92.7	84.9	78.4	72.8	67.9	63.7
78.00	125.4	110.7	99.0	89.6	81.8	75.3	69.7	64.9	60.7
84.00	124.8	109.2	97.1	87.4	79.4	72.8	67.2	62.4	58.2
90.00	124.8	108.7	95.9	85.8	77.7	70.9	65.2	60.4	56.2
96.00	124.8	108.7	95.6	84.9	76.4	69.5	63.7	58.8	54.2

Maximum design presssure (psf)
M4 Mullion

Tributary height (in)	Mullion span (in)								
	96.00	102.00	108.00	114.00	120.00	126.00	132.00	138.00	144.00
54.00	118.2	108.7	100.7	93.7	87.7	82.4	77.7	73.5	69.7
60.00	111.2	101.9	94.1	87.4	81.5	76.4	71.9	67.9	64.4
66.00	105.9	96.7	88.9	82.4	76.7	71.7	67.4	63.5	60.1
72.00	101.9	92.7	84.9	78.4	72.8	67.9	63.7	60.0	56.6
78.00	99.0	89.6	81.8	75.3	69.7	64.9	60.7	57.0	53.8
84.00	97.1	87.4	79.4	72.8	67.2	62.4	58.2	54.6	51.4
90.00	95.9	85.8	77.7	70.9	65.2	60.4	56.2	52.6	49.4
96.00	95.6	84.9	76.4	69.5	63.7	58.8	54.6	51.0	47.8
102.00	95.6	84.6	75.7	68.5	62.6	57.6	53.3	49.6	46.4
108.00	95.6	84.6	75.5	67.9	61.8	56.6	52.3	48.5	45.3
114.00	95.6	84.6	75.5	67.8	61.3	56.0	51.5	47.7	44.4
120.00	95.6	84.6	75.5	67.8	61.2	55.6	51.0	47.0	43.7

Maximum design presssure (psf)
MZ1 Mullion

Tributary height (in)	Mullion span (in)								
	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00
30.00	150.0	150.0	150.0	150.0	150.0	149.4	127.9	110.8	93.5
36.00	150.0	150.0	150.0	150.0	150.0	127.4	108.7	93.9	79.3
42.00	150.0	150.0	150.0	150.0	134.3	112.3	95.4	82.2	69.4
48.00	150.0	150.0	150.0	145.6	122.3	101.6	85.9	73.7	62.3
54.00	150.0	150.0	150.0	139.4	114.0	93.9	78.9	67.3	56.9
60.00	150.0	150.0	150.0	135.9	108.4	88.5	73.8	62.6	52.9
66.00	150.0	150.0	150.0	134.8	105.2	84.8	70.1	59.1	49.8
72.00	150.0	150.0	150.0	134.8	104.2	82.6	67.6	56.5	47.6
78.00	150.0	150.0	150.0	134.8	104.2	81.9	66.1	54.7	45.9
84.00	150.0	150.0	150.0	134.8	104.2	81.9	65.6	53.7	44.8
90.00	150.0	150.0	150.0	134.8	104.2	81.9	65.6	53.3	44.1
96.00	150.0	150.0	150.0	134.8	104.2	81.9	65.6	53.3	43.9

REILLY ARCHITECTURAL

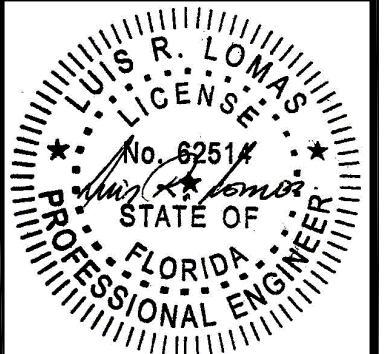
901 BURMAN BLVD. BUILDING 701
CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS
IMPACT
SINGLE WITH TRANSOM

DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 2 OF 10

L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024



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

DESIGN PRESSURE TABLE INSTRUCTIONS:

- 1) DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16.
- 2) DETERMINE TRIBUTARY WIDTH 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.

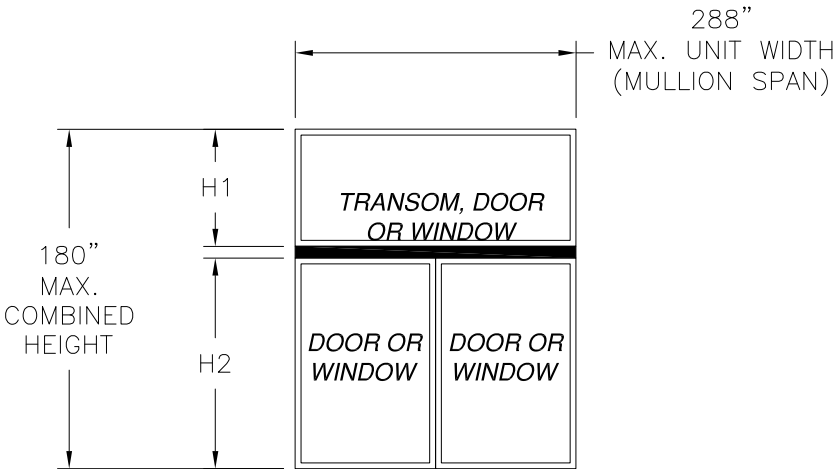
TRIBUTARY HEIGHT=

H1

+

H2

2



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.

Maximum design pressure capacity chart (psf)
M1 Mullion

Tributary Height (in)	Mullion Span (in)					
	36.00	48.00	60.00	72.00	84.00	96.00
18.00	150.0	150.0	150.0	150.0	150.0	115.5
24.00	150.0	150.0	150.0	150.0	114.0	87.0
30.00	150.0	150.0	150.0	126.1	92.0	70.0
36.00	150.0	150.0	150.0	106.5	77.4	58.8
42.00	150.0	150.0	137.2	92.8	67.1	50.8
48.00	150.0	150.0	123.4	82.7	59.5	44.9
54.00	150.0	150.0	113.3	75.1	53.7	40.4
60.00	150.0	150.0	105.8	69.3	49.2	36.9
66.00	150.0	150.0	99.8	64.7	45.6	34.0
72.00	150.0	150.0	94.5	61.2	42.7	31.7
78.00	150.0	150.0	89.7	58.3	40.4	29.8
84.00	150.0	142.6	85.4	55.7	38.6	28.2

Maximum design pressure capacity chart (psf)
M2 Mullion

Tributary Height (in)	Mullion Span (in)					
	36.00	48.00	60.00	72.00	84.00	96.00
18.00	150.0	150.0	150.0	150.0	150.0	150.0
24.00	150.0	150.0	150.0	150.0	150.0	145.5
30.00	150.0	150.0	150.0	150.0	141.8	120.8
36.00	150.0	150.0	150.0	150.0	123.5	102.4
42.00	150.0	150.0	150.0	136.4	110.9	88.5
48.00	150.0	150.0	150.0	125.4	101.6	78.2
54.00	150.0	150.0	150.0	116.9	93.5	70.4
60.00	150.0	150.0	144.9	110.1	85.6	64.2
66.00	150.0	150.0	138.7	104.8	79.4	59.2
72.00	150.0	150.0	133.1	100.6	74.4	55.2
78.00	150.0	150.0	127.9	97.0	70.4	51.8
84.00	150.0	150.0	123.0	93.7	67.2	49.1

Maximum design pressure capacity chart (psf)
M3 Mullion

Tributary Height (in)	Mullion Span (in)						
	96.00	108.00	120.00	132.00	144.00	156.00	168.00
18.00	150.0	150.0	150.0	150.0	150.0	150.0	147.2
24.00	150.0	150.0	150.0	150.0	138.9	127.4	110.6
30.00	150.0	150.0	139.7	125.4	113.7	102.9	88.6
36.00	150.0	135.8	119.9	107.2	97.0	86.0	74.0
42.00	139.7	120.5	105.9	94.4	85.2	73.9	63.6
48.00	127.4	109.2	95.5	84.9	76.4	64.9	55.9
54.00	117.8	100.6	87.6	77.6	68.3	58.0	49.8
60.00	110.1	93.9	81.5	71.9	61.8	52.4	45.0
66.00	103.8	88.3	76.5	67.4	56.5	47.9	41.1
72.00	98.6	83.6	72.3	62.6	52.2	44.2	37.9
78.00	94.2	79.6	68.8	58.3	48.5	41.0	35.2
84.00	90.6	76.3	65.7	54.7	45.4	38.4	32.9

Maximum design pressure capacity chart (psf)
M4 Mullion

Tributary Height (in)	Mullion Span (in)						
	216.00	228.00	240.00	252.00	264.00	276.00	288.00
24.00	89.9	84.3	72.2	62.3	54.1	47.4	41.7
30.00	73.0	67.8	58.0	50.1	43.5	38.0	33.4
36.00	61.7	56.8	48.6	41.9	36.4	31.8	28.0
42.00	53.7	48.9	41.9	36.1	31.4	27.4	24.1
48.00	47.8	43.1	36.8	31.8	27.6	24.1	21.2
54.00	43.1	38.5	32.9	28.4	24.6	21.5	18.9
60.00	39.4	34.9	29.8	25.7	22.3	19.5	17.1
66.00	36.4	31.9	27.3	23.5	20.4	17.8	15.6
72.00	34.0	29.5	25.2	21.7	18.8	16.4	-
78.00	31.5	27.4	23.4	20.1	17.4	15.2	-
84.00	29.3	25.7	21.9	18.8	16.3	-	-
90.00	27.5	24.2	20.6	17.7	15.3	-	-

Maximum design pressure capacity chart (psf)
MZ1 Mullion

Tributary Height (in)	Mullion Span (in)					
	36.00	48.00	60.00	72.00	84.00	96.00
18.00	150.0	150.0	150.0	150.0	150.0	147.6
24.00	150.0	150.0	150.0	150.0	150.0	112.4
30.00	150.0	150.0	150.0	150.0	125.1	91.4
36.00	150.0	150.0	150.0	144.9	105.3	77.6
42.00	150.0	150.0	150.0	126.2	91.3	67.8
48.00	150.0	150.0	150.0	112.5	80.9	60.7
54.00	150.0	150.0	150.0	102.2	73.1	55.0
60.00	150.0	150.0	144.0	94.2	66.9	50.1
66.00	150.0	150.0	135.9	88.1	62.0	46.3
72.00	150.0	150.0	128.6	83.3	58.1	43.1
78.00	150.0	150.0	122.0	79.4	55.0	40.5
84.00	150.0	150.0	116.1	75.8	52.5	38.4

REILLY ARCHITECTURAL

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REV B

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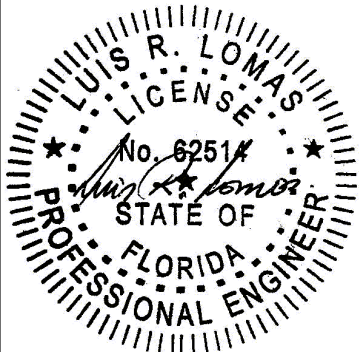
SHEET 3 OF 10

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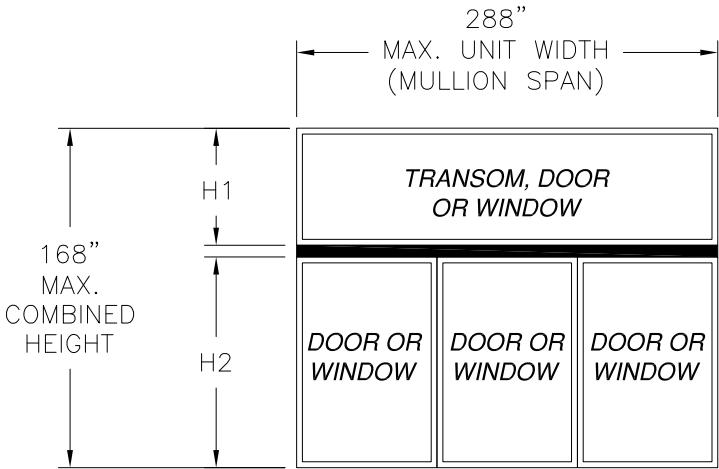
TRIBUTARY HEIGHT=

H1

+

H2

2



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.

Maximum design pressure capacity chart (psf)

M1 Mullion

Tributary Height (in)	Mullion Span (in)						
	54.00	72.00	90.00	96.00	108.00	126.00	144.00
18.00	150.0	150.0	128.7	112.8	88.7	64.8	45.3
24.00	150.0	150.0	98.1	85.8	67.4	49.1	34.2
30.00	150.0	127.6	79.9	69.8	54.6	39.7	27.6
36.00	150.0	108.6	67.8	59.2	46.2	33.5	23.2
42.00	150.0	95.2	59.1	51.5	40.2	29.1	20.1
48.00	150.0	85.2	52.6	45.8	35.7	25.8	17.7
54.00	150.0	77.7	47.6	41.4	32.2	23.2	15.9
60.00	143.1	72.0	43.6	37.9	29.4	21.2	-
66.00	135.2	67.5	40.5	35.1	27.1	19.5	-
72.00	128.1	64.1	37.9	32.8	25.3	18.1	-
78.00	121.7	61.2	35.9	30.9	23.7	16.9	-
84.00	116.0	58.6	34.2	29.4	22.4	15.9	-

Maximum design pressure capacity chart (psf)

M2 Mullion

Tributary Height (in)	Mullion Span (in)						
	54.00	72.00	90.00	96.00	108.00	126.00	144.00
18.00	150.0	150.0	150.0	150.0	150.0	112.9	86.1
24.00	150.0	150.0	150.0	145.5	117.3	85.5	65.1
30.00	150.0	150.0	130.4	120.8	95.1	69.2	52.6
36.00	150.0	148.2	112.8	103.0	80.5	58.4	44.3
42.00	150.0	132.0	100.0	89.7	70.0	50.7	38.4
48.00	150.0	119.9	90.3	79.8	62.2	44.9	34.0
54.00	150.0	110.5	82.7	72.1	56.0	40.4	30.5
60.00	150.0	103.2	76.0	66.0	51.2	36.8	27.8
66.00	146.9	97.3	70.5	61.1	47.2	33.9	25.5
72.00	139.3	92.6	66.1	57.1	44.0	31.5	23.6
78.00	132.5	88.6	62.5	53.8	41.3	29.4	22.1
84.00	126.4	84.9	59.5	51.1	39.0	27.7	20.7

Maximum design pressure capacity chart (psf)

M3 Mullion

Tributary Height (in)	Mullion Span (in)						
	144.00	162.00	180.00	198.00	216.00	234.00	252.00
18.00	150.0	150.0	123.4	101.8	85.4	70.5	56.4
24.00	138.9	115.4	93.2	76.8	64.4	53.1	42.4
30.00	113.7	93.0	75.1	61.8	51.8	42.6	34.1
36.00	97.0	78.2	63.0	51.9	43.4	35.7	28.5
42.00	85.2	67.6	54.4	44.8	37.5	30.7	24.5
48.00	76.4	59.8	48.0	39.5	33.0	27.0	21.5
54.00	68.7	53.7	43.1	35.3	29.5	24.1	19.2
60.00	62.5	48.8	39.1	32.1	26.8	21.8	17.4
66.00	57.4	44.8	35.9	29.4	24.5	19.9	15.9
72.00	53.2	41.4	33.2	27.2	22.6	18.4	-
78.00	49.6	38.6	30.9	25.3	21.1	17.1	-
84.00	46.6	36.2	28.9	23.7	19.7	15.9	-

Maximum design pressure capacity chart (psf)

M4 Mullion

Tributary Height (in)	Mullion Span (in)						
	180.00	198.00	216.00	234.00	252.00	270.00	288.00
18.00	143.0	129.4	118.1	105.8	84.6	68.8	56.6
24.00	109.2	98.6	89.9	79.6	63.7	51.7	42.6
30.00	88.9	80.2	73.0	63.9	51.1	41.5	34.2
36.00	75.5	67.9	61.7	53.5	42.7	34.7	28.6
42.00	65.9	59.2	53.7	46.0	36.8	29.9	24.6
48.00	58.8	52.7	47.8	40.5	32.3	26.2	21.6
54.00	53.3	47.7	43.1	36.2	28.9	23.4	19.2
60.00	48.9	43.7	39.4	32.7	26.1	21.1	17.4
66.00	45.3	40.4	36.4	29.9	23.8	19.3	15.9
72.00	42.3	37.7	34.0	27.6	22.0	17.8	-
78.00	39.7	35.4	31.6	25.6	20.4	16.5	-
84.00	37.5	33.4	29.6	23.9	19.0	15.4	-

Maximum design pressure capacity chart (psf)

MZ1 Mullion

Tributary Height (in)	Mullion Span (in)						
	54.00	72.00	90.00	96.00	108.00	126.00	144.00
18.00	150.0	150.0	150.0	150.0	105.2	66.0	44.1
24.00	150.0	150.0	133.4	114.1	79.7	49.9	33.3
30.00	150.0	150.0	108.7	92.5	64.5	40.3	26.8
36.00	150.0	147.8	92.2	78.3	54.4	33.9	22.5
42.00	150.0	129.5	80.4	68.1	47.3	29.4	19.5
48.00	150.0	116.0	71.6	60.5	41.9	26.0	17.2
54.00	150.0	105.8	64.7	54.7	37.8	23.4	15.5
60.00	150.0	97.9	59.4	50.1	34.5	21.3	-
66.00	146.9	91.9	55.1	46.4	31.8	19.6	-
72.00	139.3	87.2	51.6	43.4	29.7	18.2	-
78.00	132.5	83.3	48.8	40.9	27.9	17.0	-
84.00	126.4	79.8	46.5	38.9	26.4	16.0	-

REILLY ARCHITECTURAL

901 BURMAN BLVD. BUILDING 701

CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS

IMPACT

TRIPLE WITH TRANSOM

DRAWN: A.R.

DWG NO. 08-03738

REV B

SCALE NTS

DATE 06/02/2021

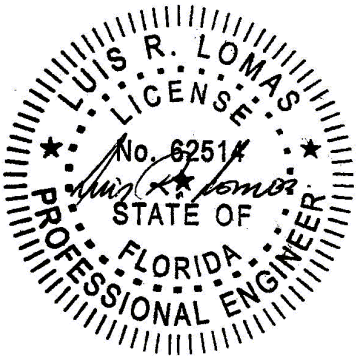
SHEET 4 OF 10

L. ROBERTO LOMAS P.E.

208 7th AVENUE, INDIALANTIC, FL 32903

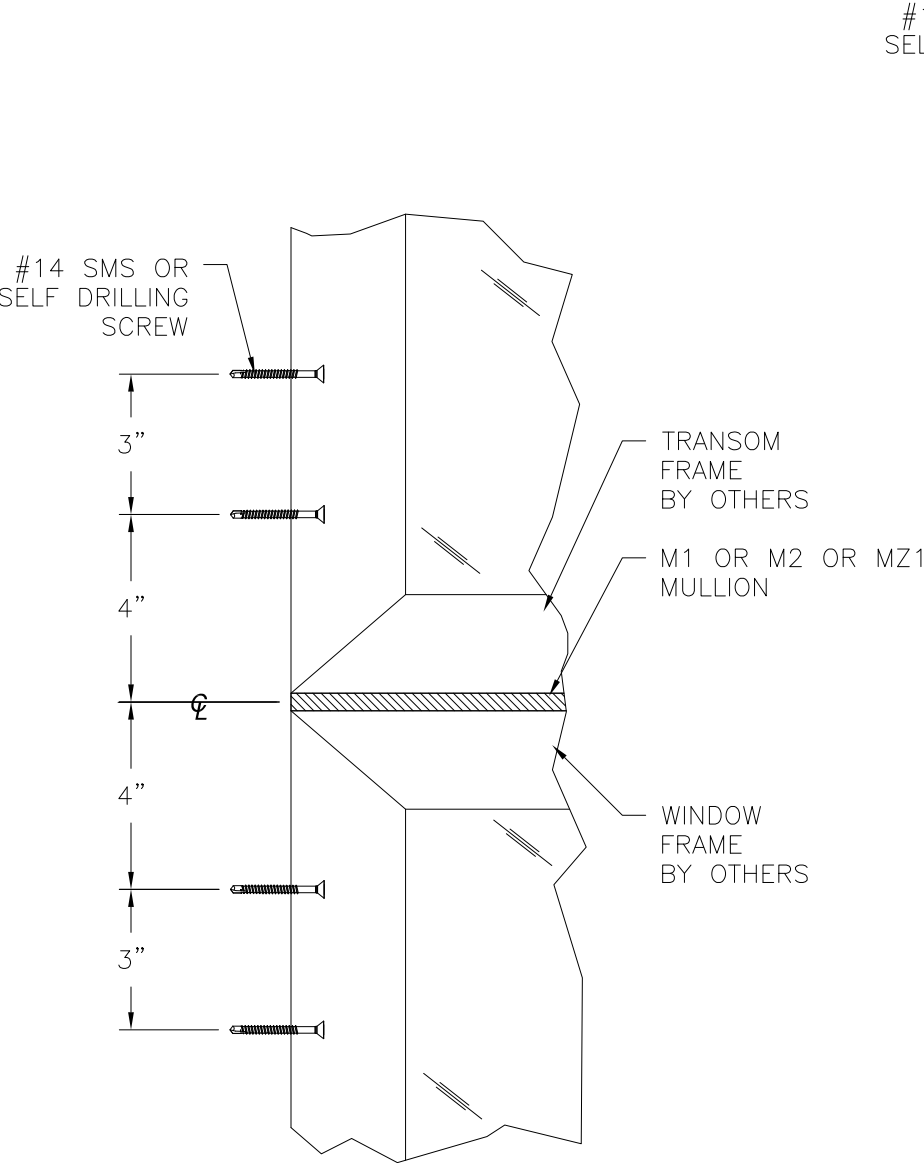
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

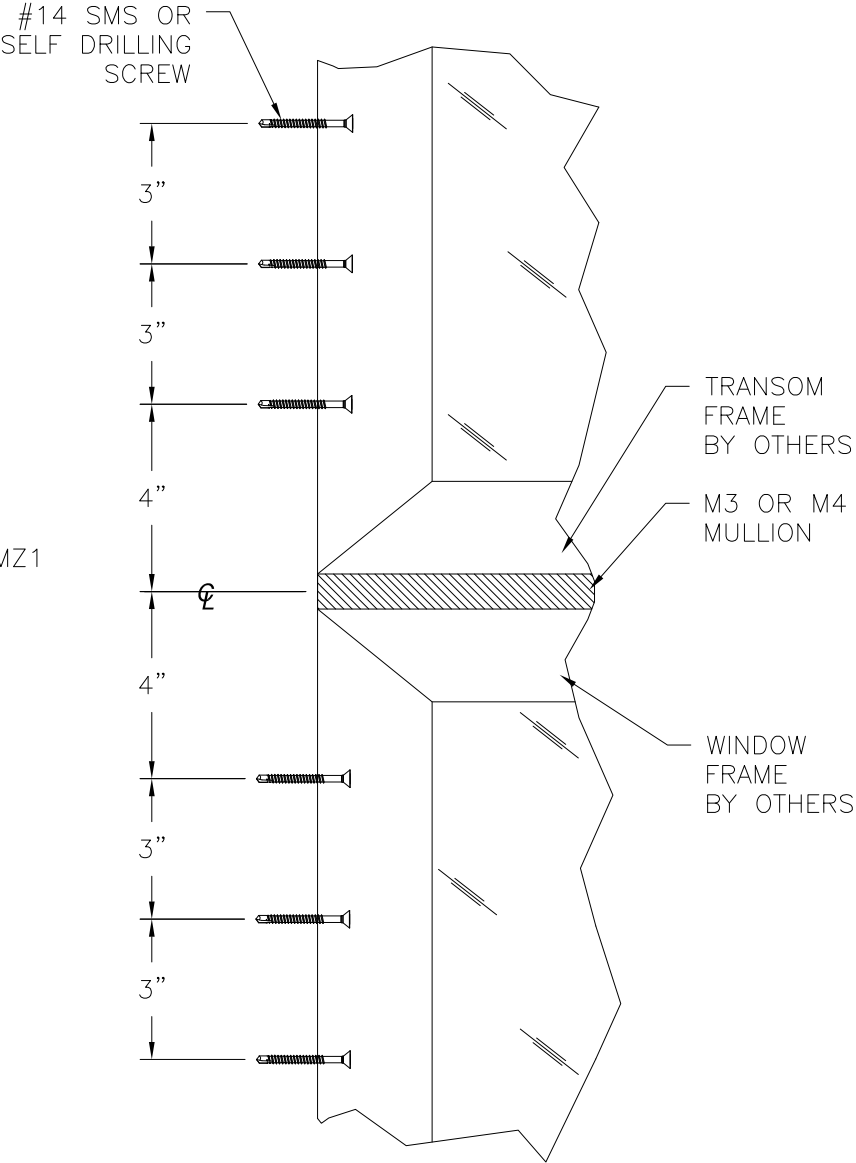


Luis R. Lomas P.E.
FL No.: 62514

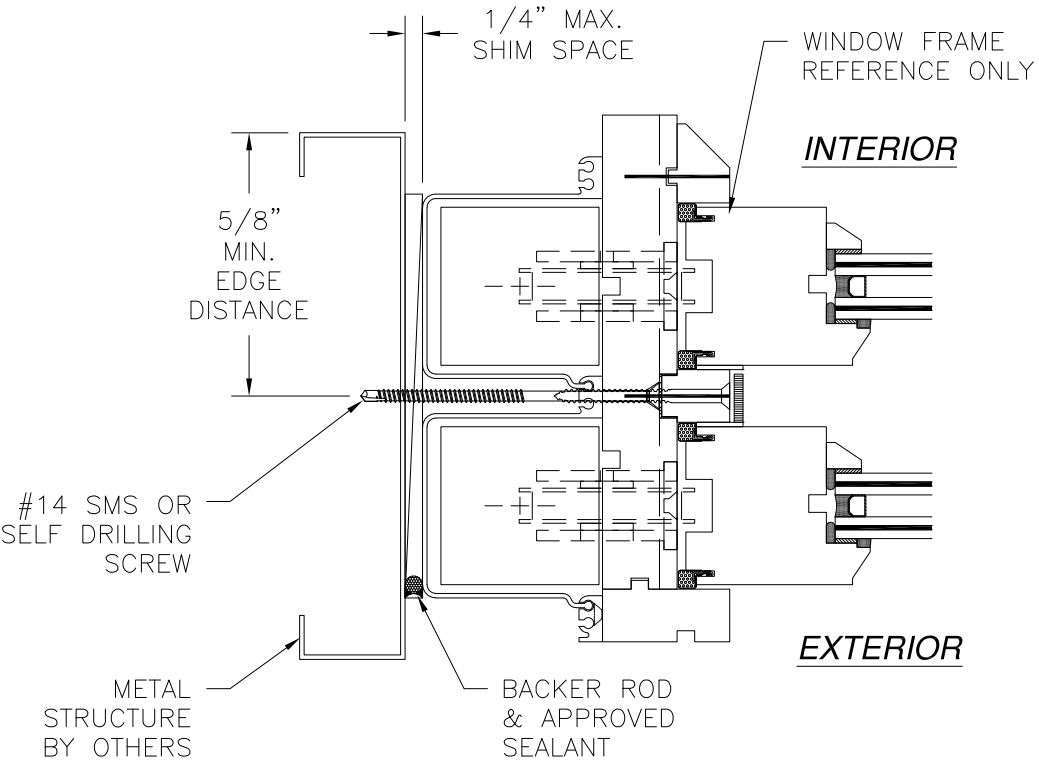
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.



M1 OR M2 OR MZ1 HORIZONTAL MULLION
METAL STRUCTURE INSTALLATION



M3 OR M4 HORIZONTAL MULLION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

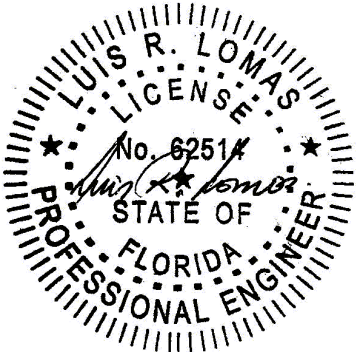
SIGNED: 08/27/2024

REILLY ARCHITECTURAL
901 BURMAN BLVD. BUILDING 701
CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS
IMPACT
INSTALLATION DETAILS

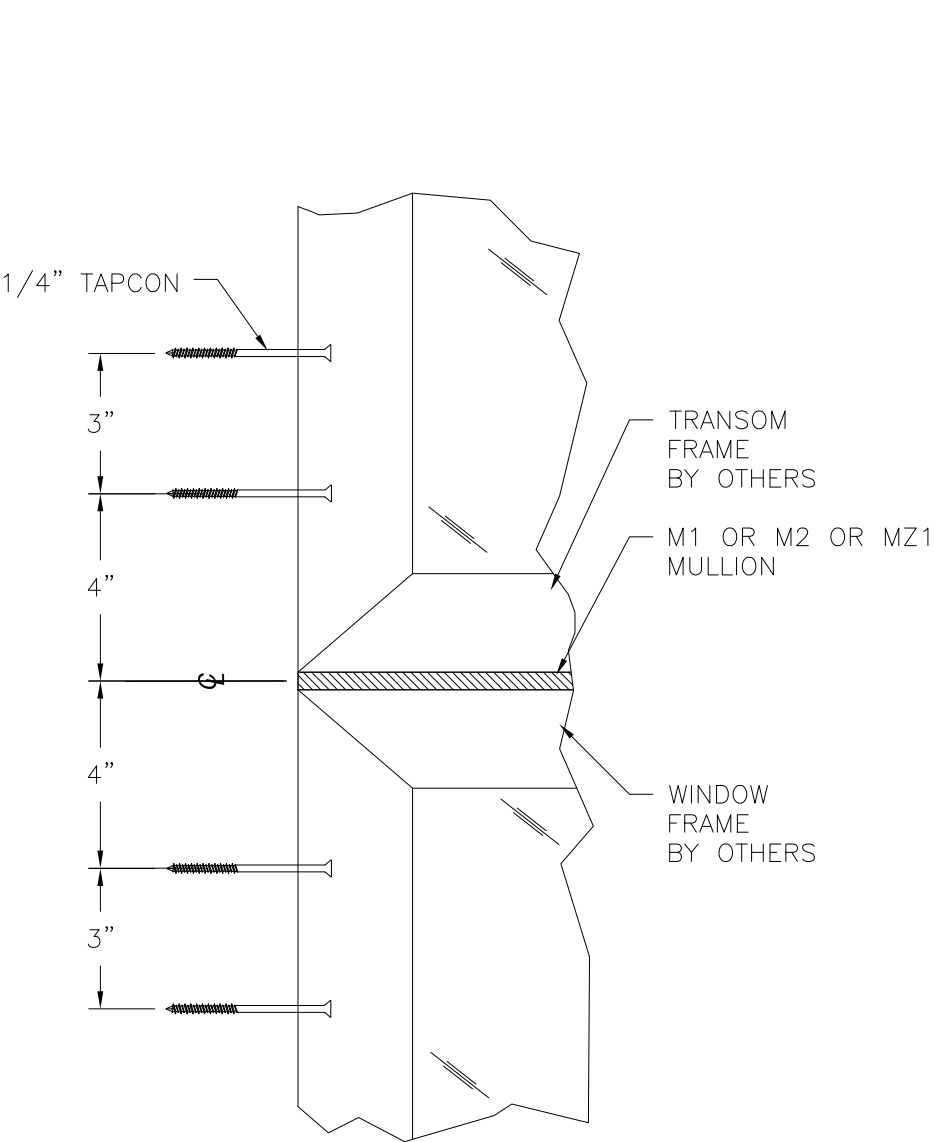
DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 6 OF 10

L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

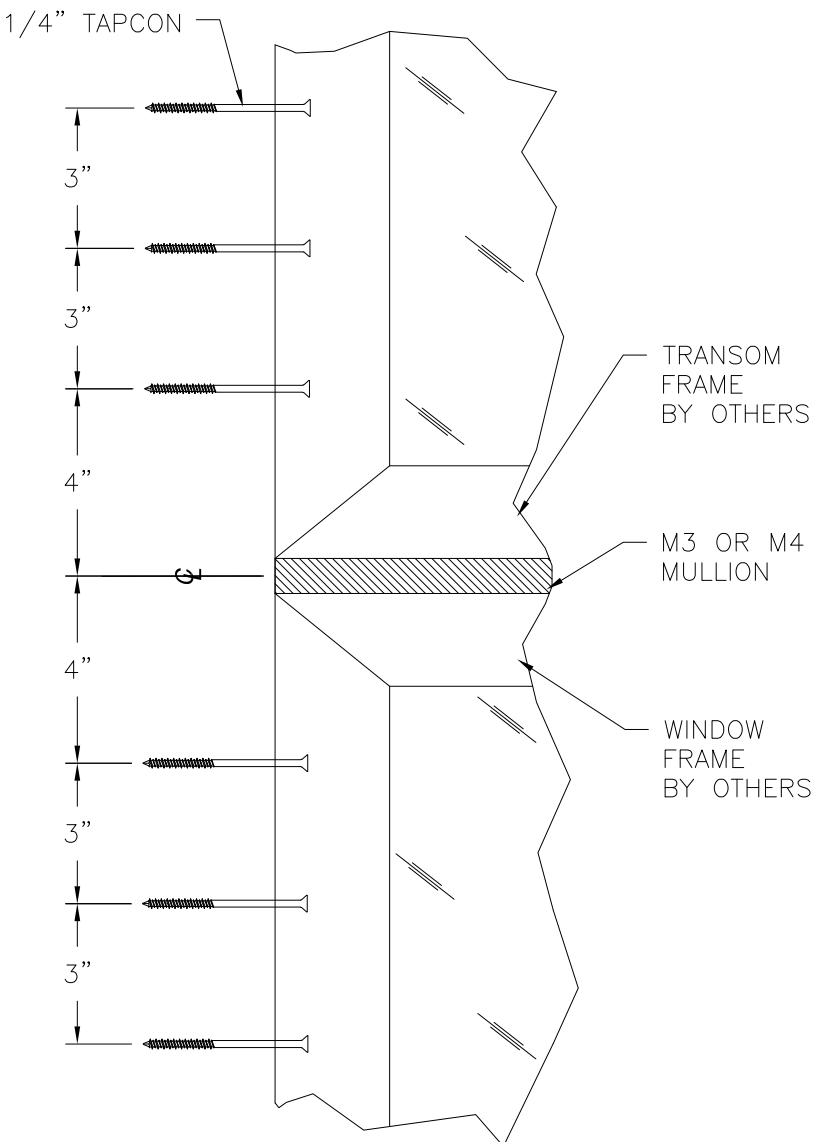


Luis R. Lomas P.E.
FL No.: 62514

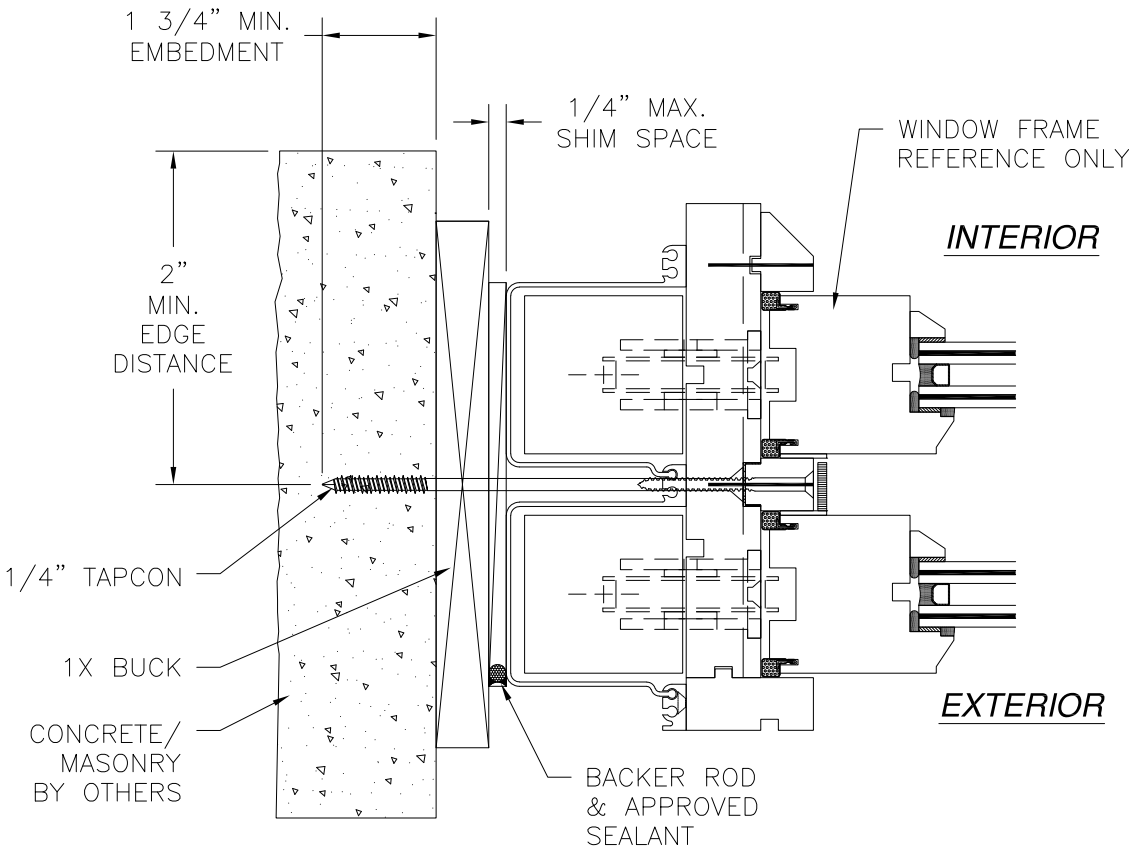
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.



M1 OR M2 OR MZ1 HORIZONTAL MULLION
CONCRETE/MASONRY INSTALLATION



M3 OR M4 HORIZONTAL MULLION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

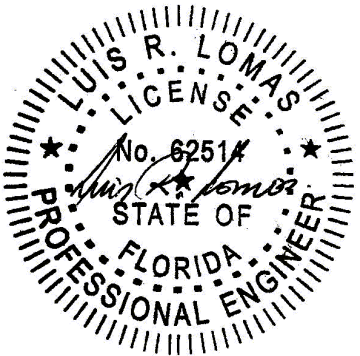
SIGNED: 08/27/2024

REILLY ARCHITECTURAL
901 BURMAN BLVD. BUILDING 701
CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS
IMPACT
INSTALLATION DETAILS

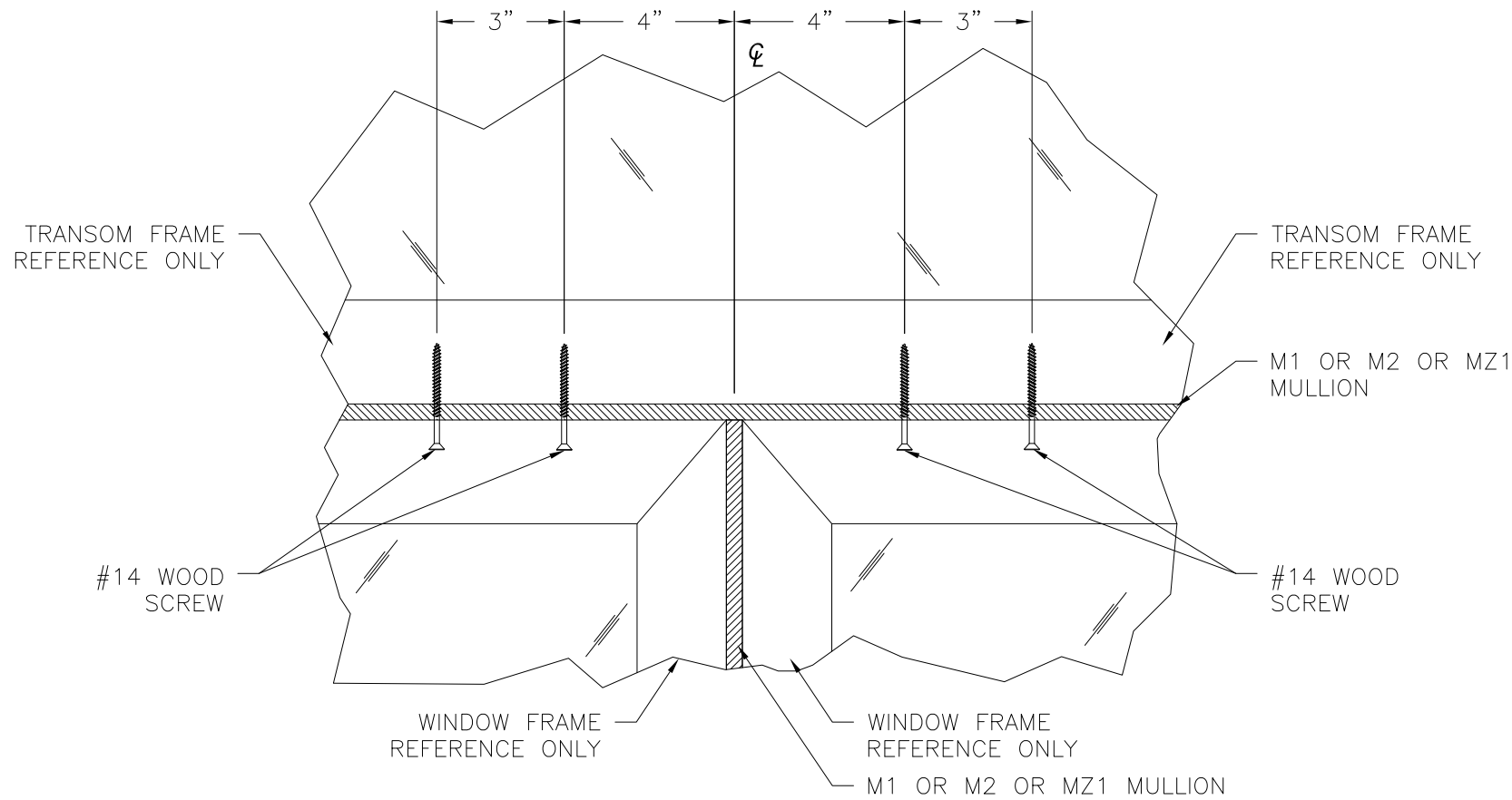
DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 7 OF 10

L. ROBERTO LOMAS P.E.
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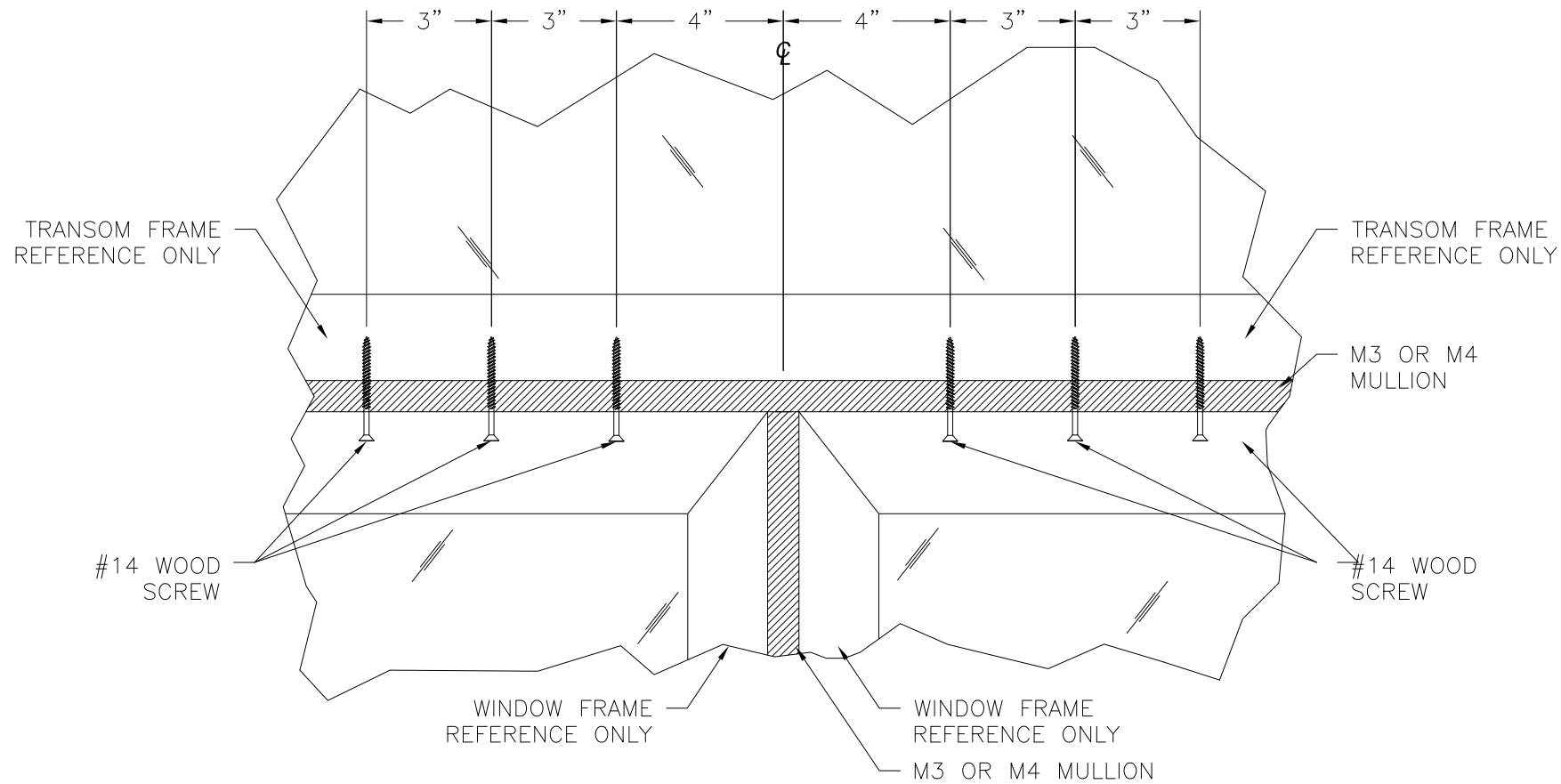


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.



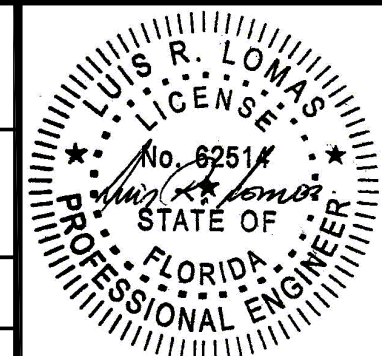
M1 OR M2 OR MZ1 VERTICAL TO HORIZONTAL CONNECTION



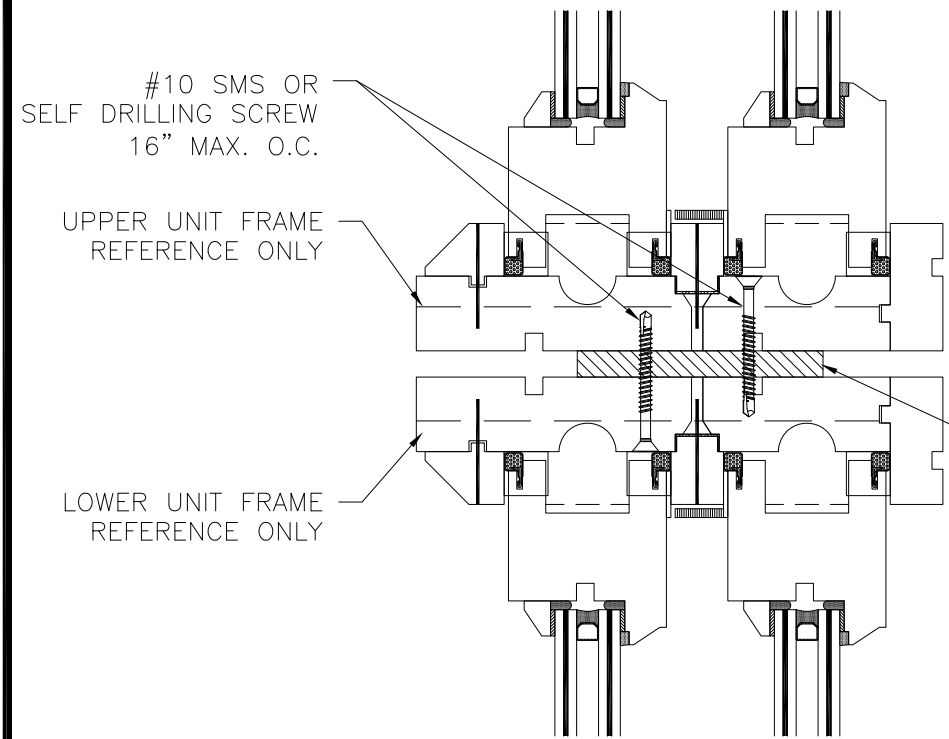
M3 OR M4 VERTICAL TO HORIZONTAL CONNECTION

SIGNED: 08/27/2024

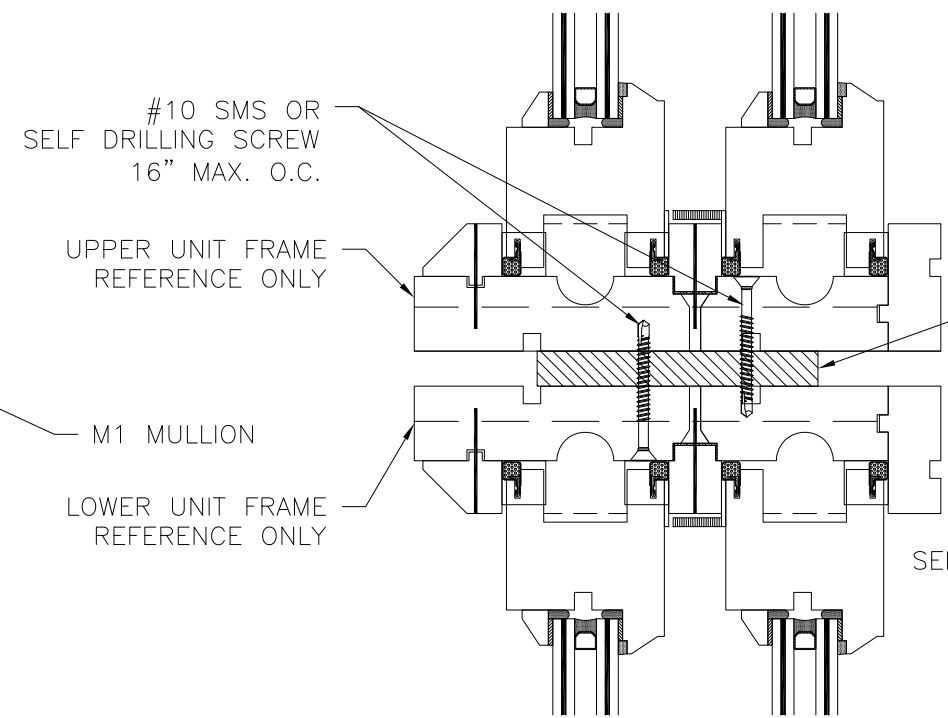
REILLY ARCHITECTURAL 901 BURMAN BLVD. BUILDING 701 CALVERTON, NY 11933		
M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



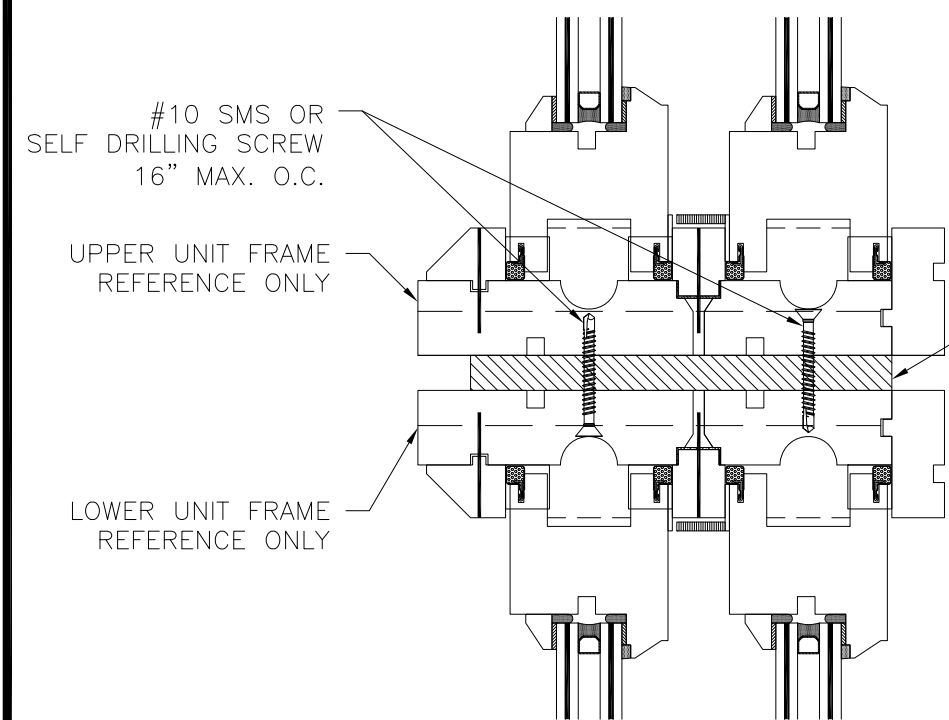
Luis R. Lomas P.E.
FL No.: 62514



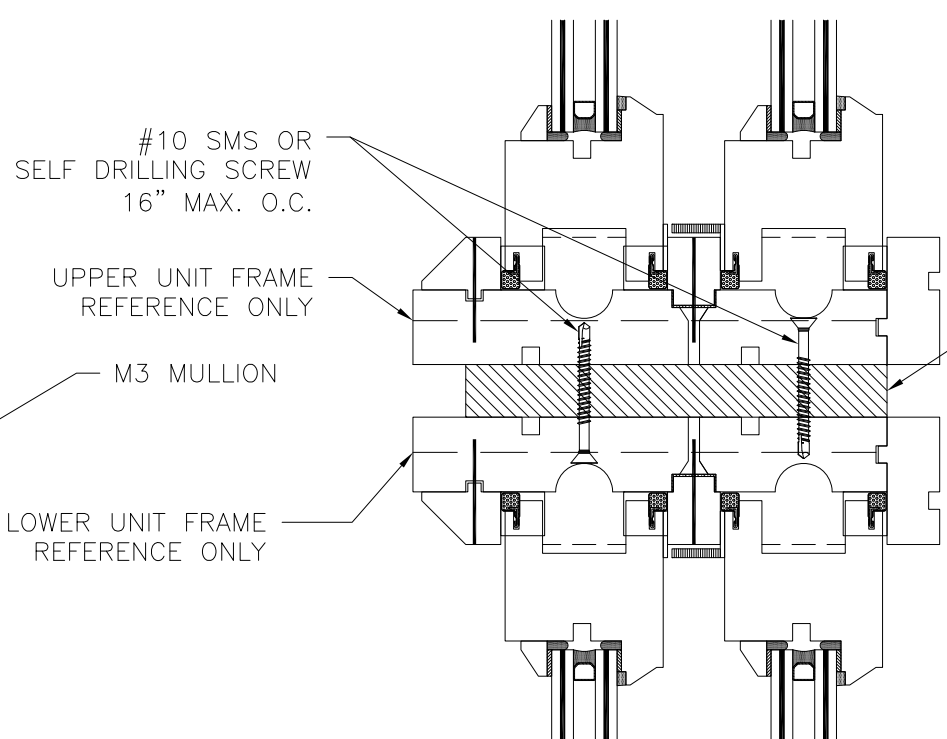
**M1 MULLION TO WINDOW FRAME
INSTALLATION DETAIL**



**M2 MULLION TO WINDOW FRAME
INSTALLATION DETAIL**

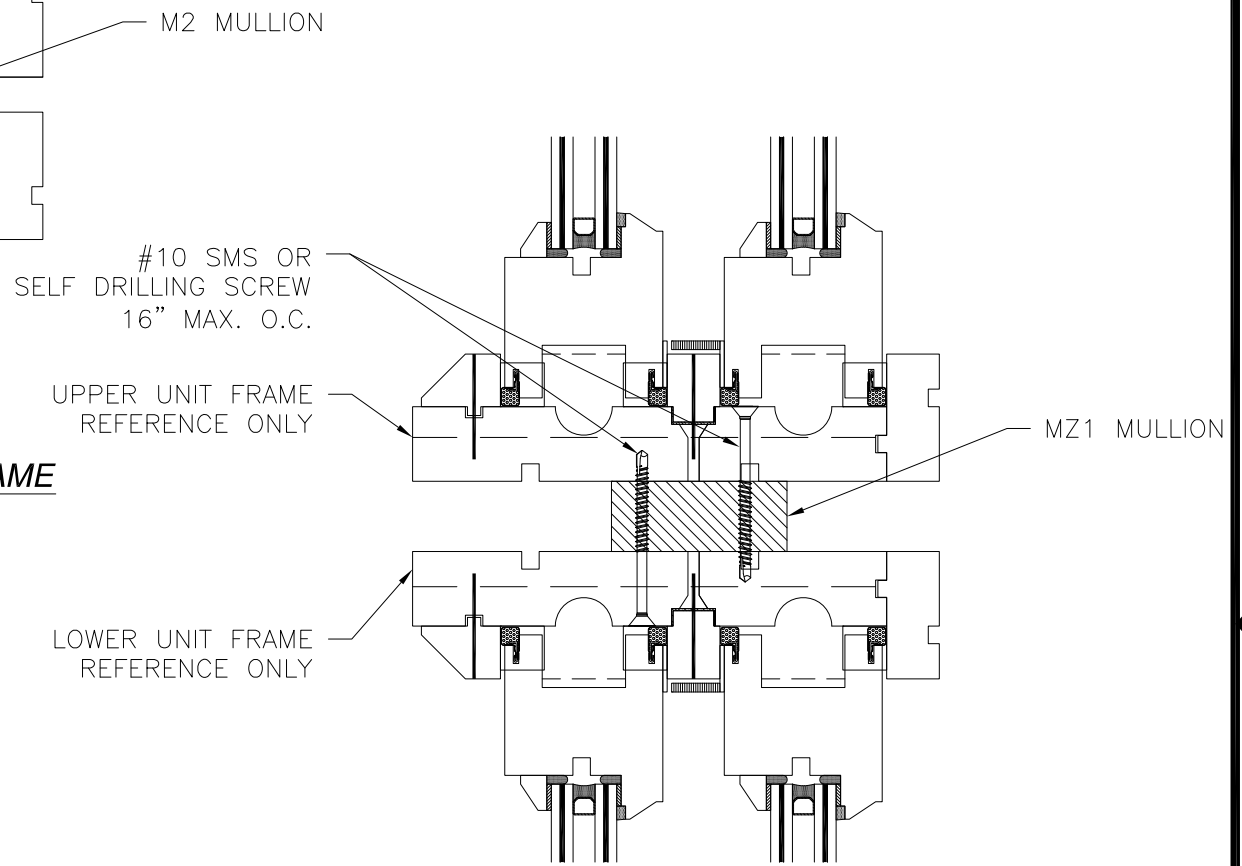


**M3 MULLION TO WINDOW FRAME
INSTALLATION DETAIL**



**M4 MULLION TO WINDOW FRAME
INSTALLATION DETAIL**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.



**MZ1 MULLION TO WINDOW FRAME
INSTALLATION DETAIL**

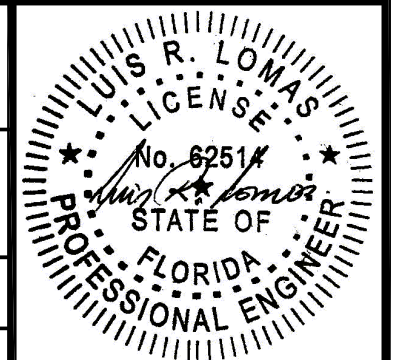
REILLY ARCHITECTURAL
901 BURMAN BLVD. BUILDING 701
CALVERTON, NY 11933

M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS
IMPACT
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 9 OF 10

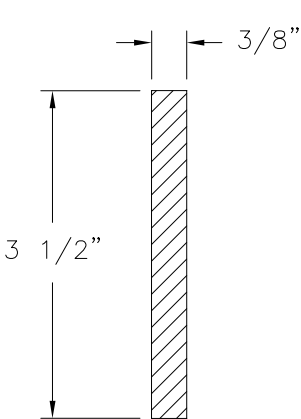
L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

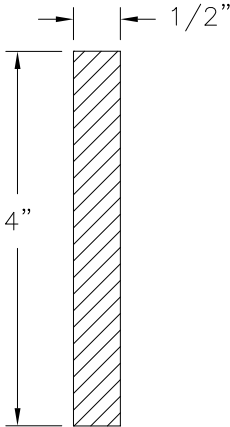


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FL No.: 62514

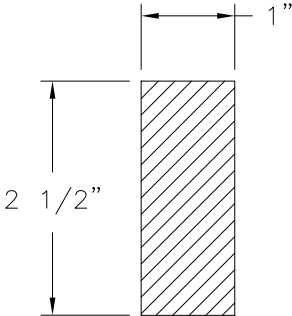
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED MZ1 MULLION	08/26/2024	R.L.



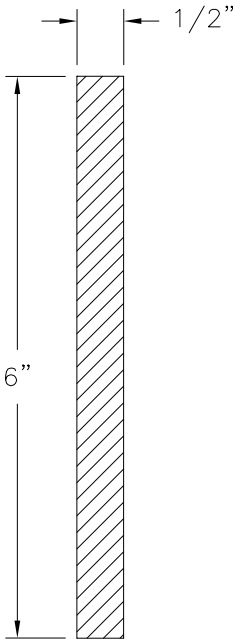
M1 MULLION
STEEL



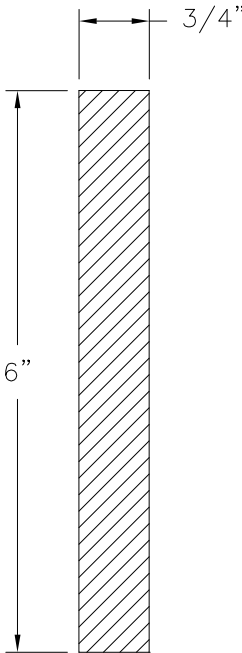
M2 MULLION
STEEL



MZ1 MULLION
STEEL



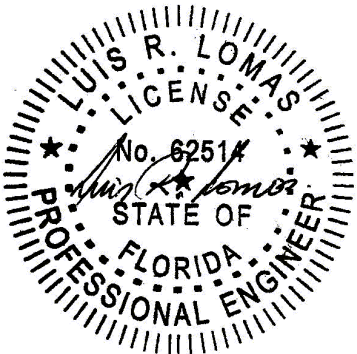
M3 MULLION
STEEL



M4 MULLION
STEEL

SIGNED: 08/27/2024

REILLY ARCHITECTURAL 901 BURMAN BLVD. BUILDING 701 CALVERTON, NY 11933		
M1, M2, M3, M4 & MZ1 HORIZONTAL MULLIONS IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03738	REV B
SCALE NTS	DATE 06/02/2021	SHEET 10 OF 10
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