

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	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. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
7. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
8. SINGLE WINDOWS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. WINDOWS MUST BE MANUFACTURED BY WINDOW MART.
9. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW OR DOOR UNIT.
10. UNITS MAY BE MULLED TOGETHER INDEFINITELY AS LONG AS SINGLE UNIT WIDTH AND HEIGHT ARE NOT EXCEEDED AND MULLION IS ANCHORED AS SHOWN HEREIN.

DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16.
2. DETERMINE MULLION SPAN AND TRIBUTARY WIDTH OF PRODUCT TO BE INSTALLED BASED ON FORMULA FOR TRIBUTARY WIDTH BELOW.
3. TO DETERMINE MULLION RATING LOCATE COLUMN FOR MULLION SPAN AND TRIBUTARY WIDTH THEN LOCATE CORRESPONDING ROW FOR WINDOW AND TRANSOM HEIGHTS. FIND THE INTERSECTION OF THIS COLUMN AND ROW. MULLION RATING IS LOCATED AT THIS INTERSECTION.
4. MULLION RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.
5. IF TRANSOM TO BE INSTALLED IS NOT LISTED IN THESE CHARTS GO TO NEXT HIGHER TRANSOM CHART. FOR EXAMPLE IF TRANSOM TO BE INSTALLED IS 20" HIGH THEN USE CHART FOR 24" TRANSOM.
6. WINDOW/DOOR AND TRANSOMS REQUIRE SEPARATE APPROVAL AND MUST BE ANCHORED ON ALL FOUR SIDES.

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

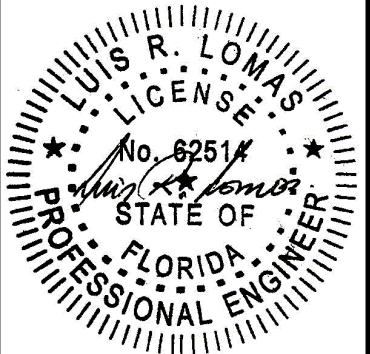
ANCHORING NOTES:

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 MULLIONS TO WINDOW FRAME USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS PAST THE MULLION WALL. LOCATE SCREWS IN ACCORDANCE WITH WINDOW ANCHORING SCHEDULE AS SHOWN IN WINDOW SEPARATE APPROVAL.
5. FOR WINDOW UNITS ANCHORING SCHEDULE REFER TO 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:
 - 7.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 7.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - 7.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 7.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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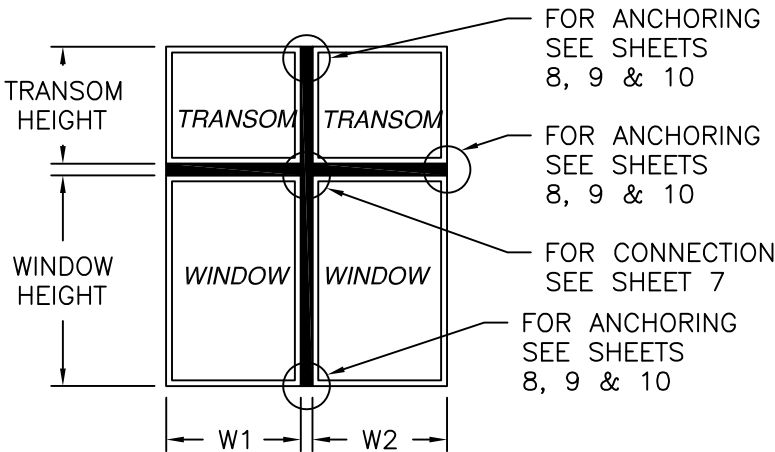
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
X-MULLION IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03957	REV A
SCALE NTS	DATE 07/28/2023	SHEET 1 OF 15
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SIGNED: 07/20/2026



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

REVISIONS			
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A	ADDED MZ1 MULLION	08/28/2024	R.L.



SEE CHARTS 1-4 FOR DESIGN PRESSURE RATINGS

Chart #1
M1 Mullion with 18" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
54.00	36.00	18.00	120.0	120.0	120.0	120.0	112.3	103.7	96.4
60.00	42.00	18.00	120.0	117.2	106.5	97.6	90.1	83.6	78.0
66.00	48.00	18.00	105.1	93.7	85.4	78.8	73.1	68.3	64.0
72.00	54.00	18.00	85.9	76.4	69.5	64.2	60.0	56.3	53.0
78.00	60.00	18.00	71.4	63.4	57.5	53.0	49.6	46.8	44.2
84.00	66.00	18.00	60.2	53.3	48.3	44.4	41.5	39.1	37.2
90.00	72.00	18.00	51.4	45.5	41.1	37.7	35.1	33.1	31.5

Chart #3
M1 Mullion with 30" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
66.00	36.00	30.00	109.5	96.6	86.4	78.1	71.3	65.6	60.7
72.00	42.00	30.00	90.1	79.5	71.4	64.8	59.3	54.7	50.7
78.00	48.00	30.00	75.2	66.3	59.6	54.3	49.9	46.2	42.9
84.00	54.00	30.00	63.6	56.0	50.3	45.9	42.4	39.3	36.7
90.00	60.00	30.00	54.4	47.8	42.9	39.2	36.2	33.7	31.5
96.00	66.00	30.00	47.0	41.3	37.0	33.7	31.1	29.0	27.3
102.00	72.00	30.00	41.0	36.0	32.2	29.3	27.1	25.2	23.7

Chart #2
M1 Mullion with 24" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
60.00	36.00	24.00	120.0	118.5	106.1	96.2	87.9	80.9	75.0
66.00	42.00	24.00	107.8	95.6	86.1	78.4	72.0	66.5	61.8
72.00	48.00	24.00	88.3	78.2	70.7	64.7	59.7	55.3	51.6
78.00	54.00	24.00	73.6	65.0	58.7	53.8	49.9	46.5	43.5
84.00	60.00	24.00	62.1	54.8	49.4	45.3	42.0	39.3	36.9
90.00	66.00	24.00	53.0	46.8	42.1	38.5	35.7	33.5	31.6
96.00	72.00	24.00	45.8	40.3	36.2	33.1	30.7	28.7	27.1

Chart #4
M1 Mullion with 36" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
72.00	36.00	36.00	90.7	80.1	71.6	64.8	59.2	54.4	50.4
78.00	42.00	36.00	76.0	67.1	60.2	54.6	49.9	46.0	42.6
84.00	48.00	36.00	64.5	56.8	51.0	46.4	42.5	39.2	36.4
90.00	54.00	36.00	55.3	48.7	43.6	39.7	36.5	33.8	31.5
96.00	60.00	36.00	47.9	42.1	37.7	34.3	31.6	29.3	27.3
102.00	66.00	36.00	41.8	36.7	32.8	29.8	27.4	25.5	23.9
108.00	72.00	36.00	36.8	32.2	28.8	26.2	24.1	22.4	20.9

SIGNED: 07/20/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
CONFIGURATIONS AND CHARTS WITH M1 MULLION

DRAWN:
A.R.

DWG NO.
08-03957

REV
A

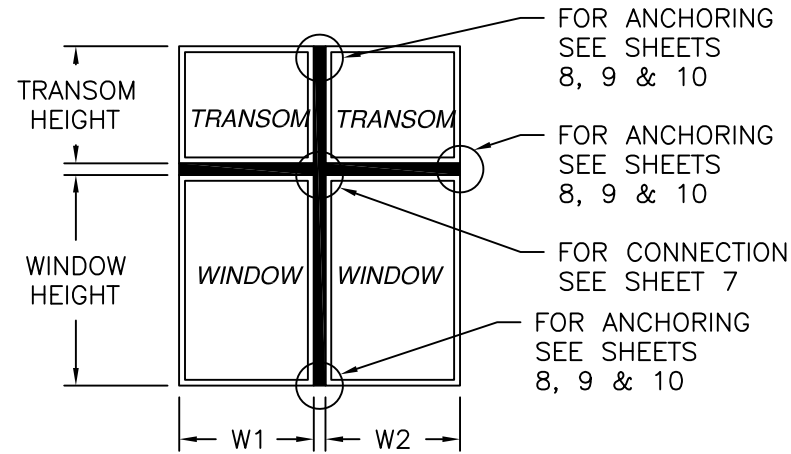
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DATE
07/28/2023

SHEET
2 OF 15

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



SEE CHARTS 5-8 FOR DESIGN PRESSURE RATINGS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.

Chart #5
M2 Mullion with 18" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
66.00	48.00	18.00	120.0	120.0	120.0	120.0	120.0	118.9	111.4
72.00	54.00	18.00	120.0	120.0	120.0	111.9	104.5	98.0	92.3
78.00	60.00	18.00	120.0	110.4	100.1	92.4	86.4	81.4	77.0
84.00	66.00	18.00	104.9	92.9	84.1	77.4	72.2	68.2	64.8
90.00	72.00	18.00	89.5	79.2	71.5	65.7	61.2	57.6	54.8
96.00	78.00	18.00	77.3	68.2	61.5	56.4	52.4	49.3	46.7
102.00	84.00	18.00	67.3	59.3	53.4	48.9	45.4	42.6	40.3

Chart #7
M2 Mullion with 30" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
78.00	48.00	30.00	120.0	115.5	103.9	94.6	86.9	80.4	74.7
84.00	54.00	30.00	110.7	97.5	87.6	80.0	73.8	68.4	63.8
90.00	60.00	30.00	94.7	83.3	74.8	68.2	63.0	58.7	54.9
96.00	66.00	30.00	81.9	71.9	64.5	58.8	54.2	50.6	47.5
102.00	72.00	30.00	71.4	62.6	56.1	51.1	47.1	43.9	41.3
108.00	78.00	30.00	62.7	55.0	49.2	44.8	41.3	38.4	36.1
114.00	84.00	30.00	55.5	48.6	43.5	39.5	36.4	33.8	31.8

Chart #6
M2 Mullion with 24" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
72.00	48.00	24.00	120.0	120.0	120.0	112.7	103.9	96.4	89.9
78.00	54.00	24.00	120.0	113.2	102.2	93.8	86.9	80.9	75.8
84.00	60.00	24.00	108.1	95.4	86.0	78.8	73.2	68.5	64.3
90.00	66.00	24.00	92.4	81.4	73.3	67.1	62.2	58.3	55.0
96.00	72.00	24.00	79.7	70.2	63.1	57.7	53.4	50.0	47.2
102.00	78.00	24.00	69.5	61.1	54.9	50.1	46.3	43.3	40.8
108.00	84.00	24.00	61.0	53.6	48.1	43.8	40.5	37.8	35.6

Chart #8
M2 Mullion with 36" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
84.00	48.00	36.00	112.4	99.0	88.8	80.8	74.0	68.3	63.5
90.00	54.00	36.00	96.4	84.7	76.0	69.2	63.6	58.9	54.8
96.00	60.00	36.00	83.4	73.3	65.6	59.7	54.9	51.0	47.6
102.00	66.00	36.00	72.8	63.9	57.2	52.0	47.8	44.4	41.6
108.00	72.00	36.00	64.1	56.1	50.2	45.6	41.9	38.9	36.5
114.00	78.00	36.00	56.7	49.7	44.4	40.3	37.0	34.4	32.2
120.00	84.00	36.00	50.6	44.2	39.5	35.8	32.9	30.5	28.5

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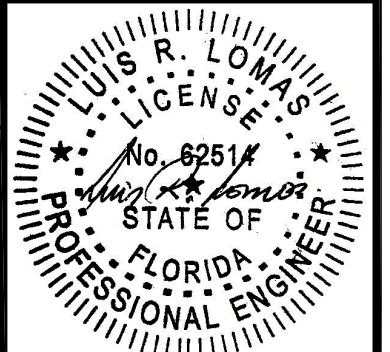
REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

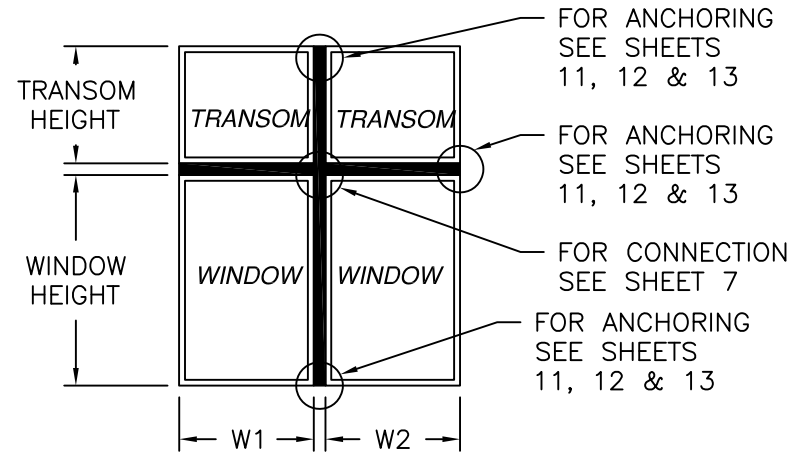
X-MULLION
IMPACT
CONFIGURATIONS AND CHARTS WITH M2 MULLION

DRAWN: A.R.	DWG NO. 08-03957	REV A
SCALE NTS	DATE 07/28/2023	SHEET 3 OF 15

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Luis R. Lomas P.E.
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SEE CHARTS 9-12 FOR DESIGN PRESSURE RATINGS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.

Chart #9
M3 Mullion with 18" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			48.00	54.00	60.00	66.00	72.00	78.00	84.00
78.00	60.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84.00	66.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
90.00	72.00	18.00	120.0	120.0	120.0	120.0	120.0	117.8	112.8
96.00	78.00	18.00	120.0	120.0	118.0	110.9	105.2	100.6	96.6
102.00	84.00	18.00	120.0	110.1	102.1	95.8	90.7	86.5	83.2
108.00	90.00	18.00	105.4	96.3	89.2	83.5	78.9	75.2	72.1
114.00	96.00	18.00	93.0	84.9	78.6	73.4	69.3	65.9	63.1

Chart #11
M3 Mullion with 30" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			48.00	54.00	60.00	66.00	72.00	78.00	84.00
90.00	60.00	30.00	120.0	120.0	120.0	120.0	120.0	116.1	109.5
96.00	66.00	30.00	120.0	120.0	120.0	113.8	106.8	100.7	95.2
102.00	72.00	30.00	120.0	115.0	106.0	98.8	92.8	87.7	83.2
108.00	78.00	30.00	110.8	100.8	92.8	86.4	81.1	76.8	73.0
114.00	84.00	30.00	97.9	89.0	81.9	76.2	71.5	67.6	64.3
120.00	90.00	30.00	87.1	79.1	72.7	67.6	63.4	59.8	56.9
126.00	96.00	30.00	77.9	70.7	65.0	60.3	56.5	53.3	50.6

Chart #10
M3 Mullion with 24" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			48.00	54.00	60.00	66.00	72.00	78.00	84.00
84.00	60.00	24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
90.00	66.00	24.00	120.0	120.0	120.0	120.0	120.0	117.0	111.1
96.00	72.00	24.00	120.0	120.0	120.0	112.4	106.2	100.8	96.0
102.00	78.00	24.00	120.0	112.7	104.2	97.4	91.8	87.3	83.3
108.00	84.00	24.00	108.2	98.7	91.1	85.1	80.1	76.0	72.7
114.00	90.00	24.00	95.6	87.0	80.3	74.9	70.4	66.8	63.7
120.00	96.00	24.00	85.0	77.3	71.3	66.4	62.4	59.1	56.3

Chart #12
M3 Mullion with 36" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			48.00	54.00	60.00	66.00	72.00	78.00	84.00
96.00	60.00	36.00	120.0	120.0	120.0	114.8	107.1	100.4	94.4
102.00	66.00	36.00	120.0	116.9	107.6	100.0	93.5	87.9	82.9
108.00	72.00	36.00	112.9	102.6	94.3	87.6	82.1	77.3	73.1
114.00	78.00	36.00	99.9	90.6	83.3	77.3	72.4	68.2	64.7
120.00	84.00	36.00	88.9	80.6	74.0	68.7	64.2	60.5	57.4
126.00	90.00	36.00	79.5	72.1	66.2	61.3	57.3	54.0	51.2
132.00	96.00	36.00	71.6	64.8	59.5	55.1	51.5	48.5	45.9

SIGNED: 07/20/2026

REILLY WINDOWS & DOORS
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CALVERTON, NY 11933

X-MULLION
IMPACT
CONFIGURATIONS AND CHARTS WITH M3 MULLION

DRAWN:
A.R.

DWG NO.
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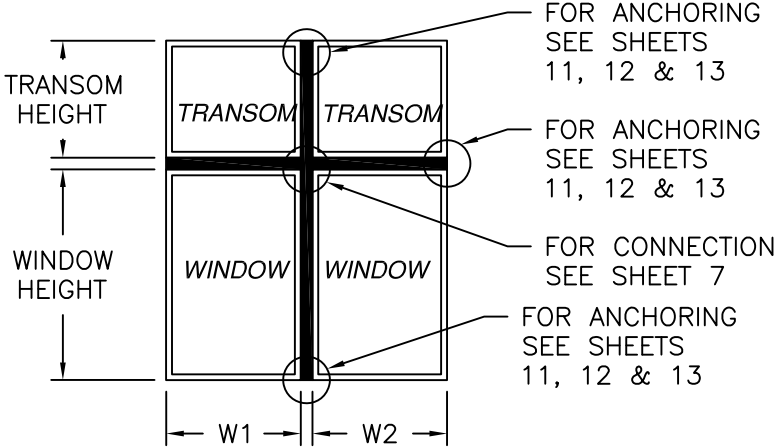
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FL No.: 62514



SEE CHARTS 13-16 FOR DESIGN PRESSURE RATINGS

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A	ADDED MZ1 MULLION	08/28/2024	R.L.

Chart #13

M4 Mullion with 18" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			60.00	66.00	72.00	78.00	84.00	90.00	96.00
90.00	72.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96.00	78.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
102.00	84.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	116.3
108.00	90.00	18.00	120.0	120.0	118.4	112.8	108.2	104.4	101.1
114.00	96.00	18.00	117.8	110.2	103.9	98.8	94.6	91.1	88.3
120.00	102.00	18.00	104.5	97.6	91.9	87.3	83.4	80.2	77.5
126.00	108.00	18.00	93.3	87.0	81.8	77.6	74.0	71.1	68.6

Chart #15

M4 Mullion with 30" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			60.00	66.00	72.00	78.00	84.00	90.00	96.00
102.00	72.00	30.00	120.0	120.0	120.0	120.0	120.0	118.6	113.0
108.00	78.00	30.00	120.0	120.0	120.0	115.2	109.5	104.3	99.6
114.00	84.00	30.00	120.0	114.2	107.2	101.3	96.4	92.1	88.1
120.00	90.00	30.00	109.1	101.4	95.0	89.8	85.3	81.6	78.2
126.00	96.00	30.00	97.4	90.5	84.8	80.0	76.0	72.6	69.6
132.00	102.00	30.00	87.5	81.2	76.0	71.7	68.0	64.9	62.3
138.00	108.00	30.00	79.0	73.3	68.5	64.6	61.2	58.4	55.9

Chart #14

M4 Mullion with 24" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			60.00	66.00	72.00	78.00	84.00	90.00	96.00
96.00	72.00	24.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
102.00	78.00	24.00	120.0	120.0	120.0	120.0	120.0	119.6	114.7
108.00	84.00	24.00	120.0	120.0	120.0	114.1	109.0	104.6	100.5
114.00	90.00	24.00	120.0	112.3	105.7	100.2	95.6	91.7	88.4
120.00	96.00	24.00	106.9	99.6	93.6	88.6	84.4	80.9	78.0
126.00	102.00	24.00	95.4	88.8	83.4	78.8	75.1	71.9	69.2
132.00	108.00	24.00	85.7	79.7	74.7	70.6	67.1	64.2	61.7

Chart #16

M4 Mullion with 36" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			60.00	66.00	72.00	78.00	84.00	90.00	96.00
108.00	72.00	36.00	120.0	120.0	120.0	115.9	109.6	103.9	98.8
114.00	78.00	36.00	120.0	115.9	108.5	102.4	97.0	92.1	87.8
120.00	84.00	36.00	111.0	103.0	96.3	90.8	86.1	82.0	78.2
126.00	90.00	36.00	99.2	92.0	86.0	81.0	76.8	73.2	70.0
132.00	96.00	36.00	89.2	82.6	77.2	72.7	68.8	65.6	62.7
138.00	102.00	36.00	80.5	74.6	69.7	65.5	62.0	59.0	56.5
144.00	108.00	36.00	73.1	67.6	63.1	59.3	56.1	53.4	51.0

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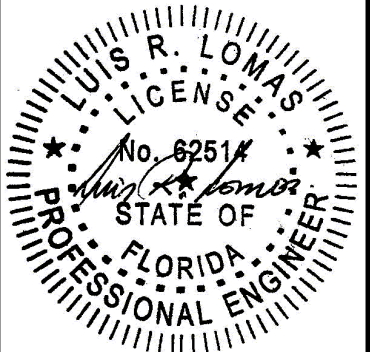
REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
CONFIGURATIONS AND CHARTS WITH M4 MULLION

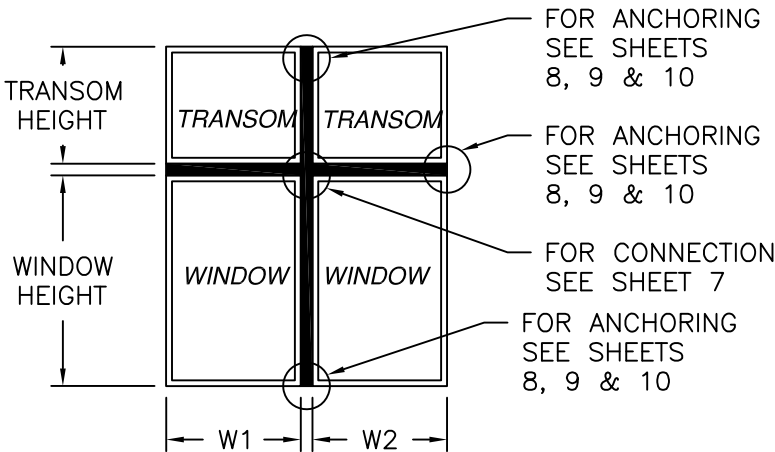
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SCALE NTS	DATE 07/28/2023	SHEET 5 OF 15

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Luis R. Lomas P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



SEE CHARTS 17-20 FOR DESIGN PRESSURE RATINGS

Chart #17
MZ1 Mullion with 18" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
54.00	36.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60.00	42.00	18.00	120.0	120.0	120.0	120.0	120.0	113.7	106.1
66.00	48.00	18.00	120.0	120.0	116.2	107.2	99.5	92.9	87.0
72.00	54.00	18.00	116.9	104.0	94.5	87.4	81.6	76.6	72.1
78.00	60.00	18.00	97.2	86.2	78.2	72.2	67.5	63.6	60.2
84.00	66.00	18.00	81.9	72.6	65.7	60.5	56.4	53.3	50.6
90.00	72.00	18.00	69.9	61.8	55.9	51.3	47.8	45.0	42.8

Chart #19
MZ1 Mullion with 30" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
66.00	36.00	30.00	120.0	120.0	117.5	106.3	97.0	89.2	82.6
72.00	42.00	30.00	120.0	108.2	97.2	88.2	80.7	74.4	69.0
78.00	48.00	30.00	102.3	90.2	81.1	73.9	67.9	62.8	58.4
84.00	54.00	30.00	86.5	76.2	68.5	62.5	57.6	53.5	49.9
90.00	60.00	30.00	74.0	65.1	58.4	53.3	49.2	45.8	42.9
96.00	66.00	30.00	63.9	56.2	50.4	45.9	42.4	39.5	37.1
102.00	72.00	30.00	55.8	48.9	43.8	39.9	36.8	34.3	32.2

Chart #18
MZ1 Mullion with 24" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
60.00	36.00	24.00	120.0	120.0	120.0	120.0	119.6	110.1	102.0
66.00	42.00	24.00	120.0	120.0	117.2	106.7	97.9	90.5	84.1
72.00	48.00	24.00	120.0	106.4	96.2	88.0	81.2	75.3	70.2
78.00	54.00	24.00	100.1	88.5	79.8	73.2	67.9	63.2	59.2
84.00	60.00	24.00	84.5	74.6	67.2	61.6	57.2	53.5	50.3
90.00	66.00	24.00	72.2	63.6	57.3	52.4	48.6	45.5	42.9
96.00	72.00	24.00	62.3	54.8	49.3	45.1	41.7	39.0	36.9

Chart #20
MZ1 Mullion with 36" transom

Mullion span (in)	Window Height (in)	Transom Height (in)	Tributary width (in)						
			36.00	42.00	48.00	54.00	60.00	66.00	72.00
72.00	36.00	36.00	120.0	108.9	97.5	88.2	80.5	74.1	68.6
78.00	42.00	36.00	103.5	91.3	81.9	74.2	67.9	62.5	58.0
84.00	48.00	36.00	87.8	77.3	69.4	63.1	57.8	53.4	49.6
90.00	54.00	36.00	75.3	66.2	59.4	54.0	49.7	46.0	42.8
96.00	60.00	36.00	65.2	57.2	51.3	46.6	42.9	39.8	37.2
102.00	66.00	36.00	56.9	49.9	44.7	40.6	37.3	34.7	32.5
108.00	72.00	36.00	50.1	43.9	39.2	35.6	32.7	30.4	28.5

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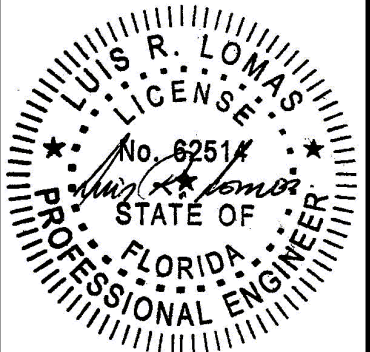
REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
CONFIGURATIONS AND CHARTS WITH MZ1 MULLION

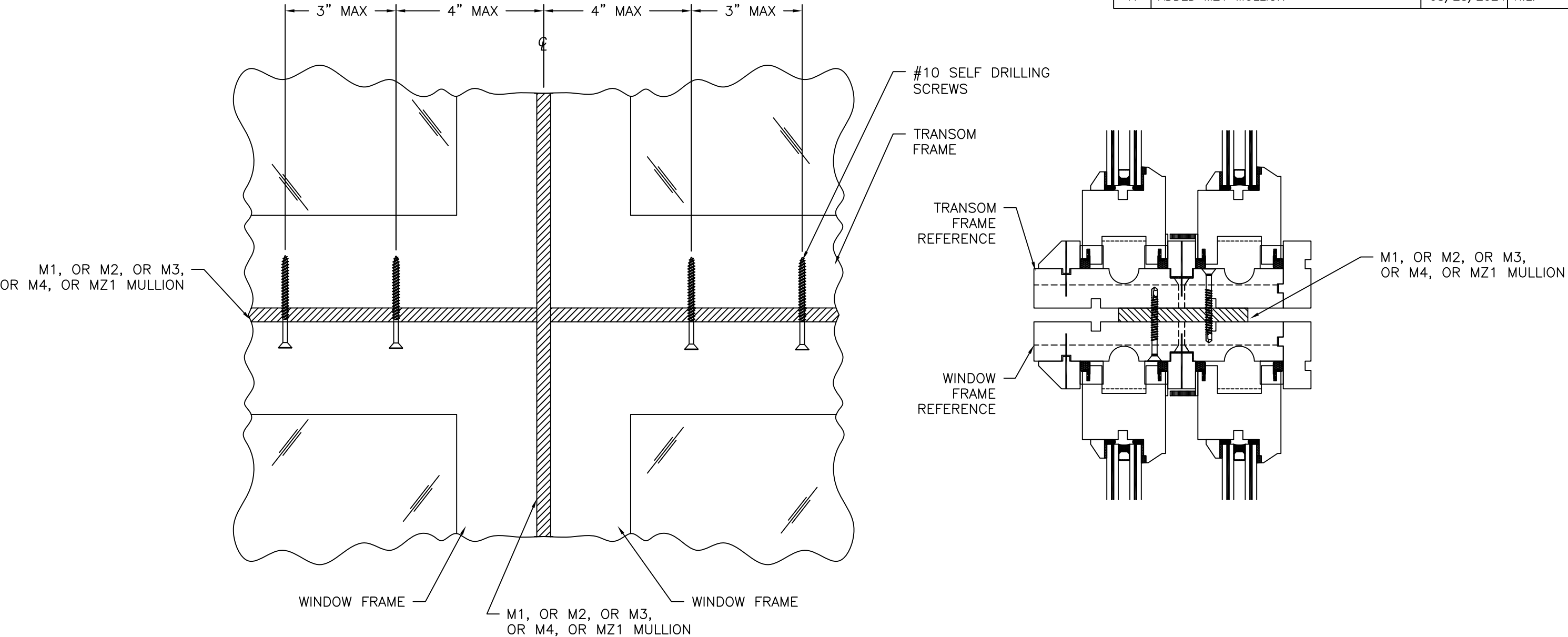
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SCALE NTS	DATE 07/28/2023	SHEET 6 OF 15

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



TRANSOM/WINDOW CONNECTION DETAIL

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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS

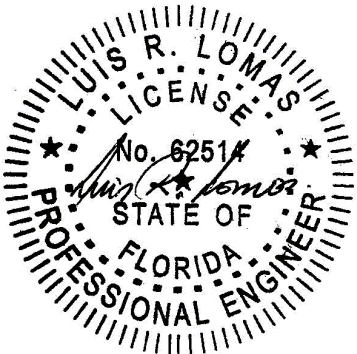
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08-03957

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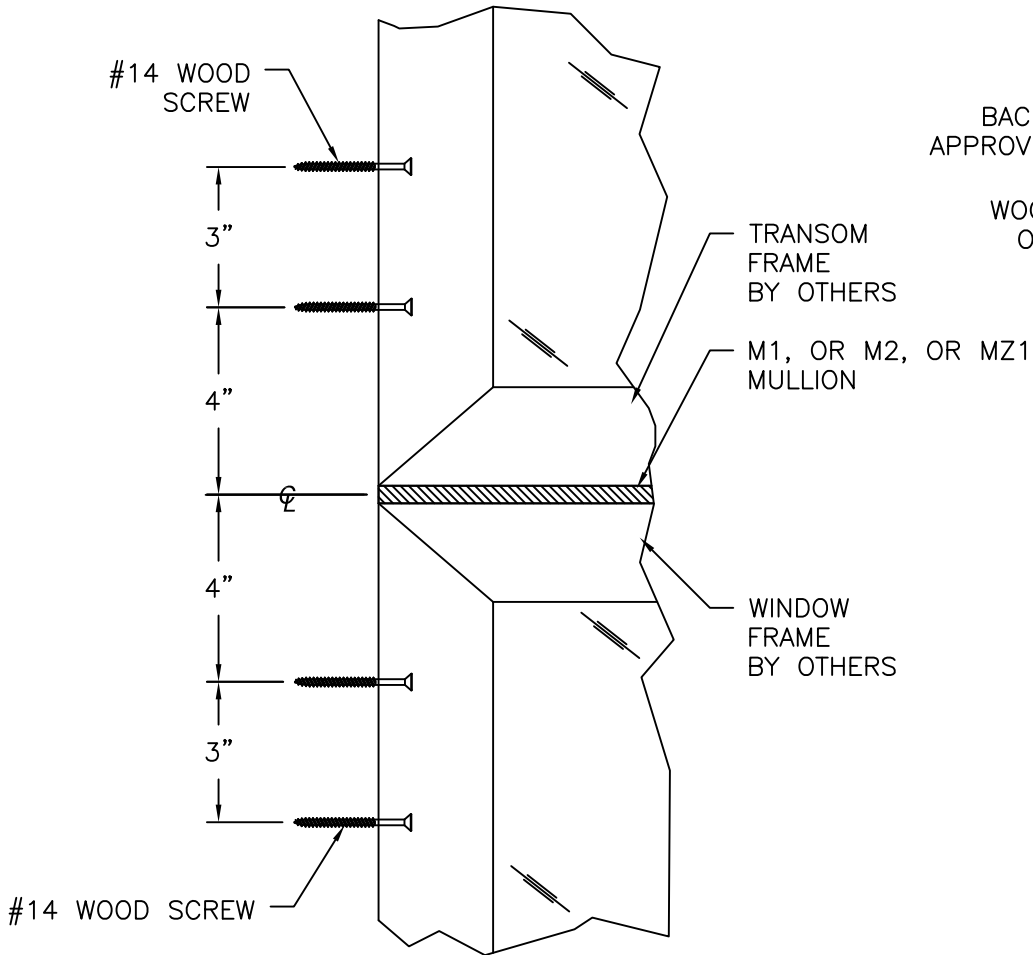
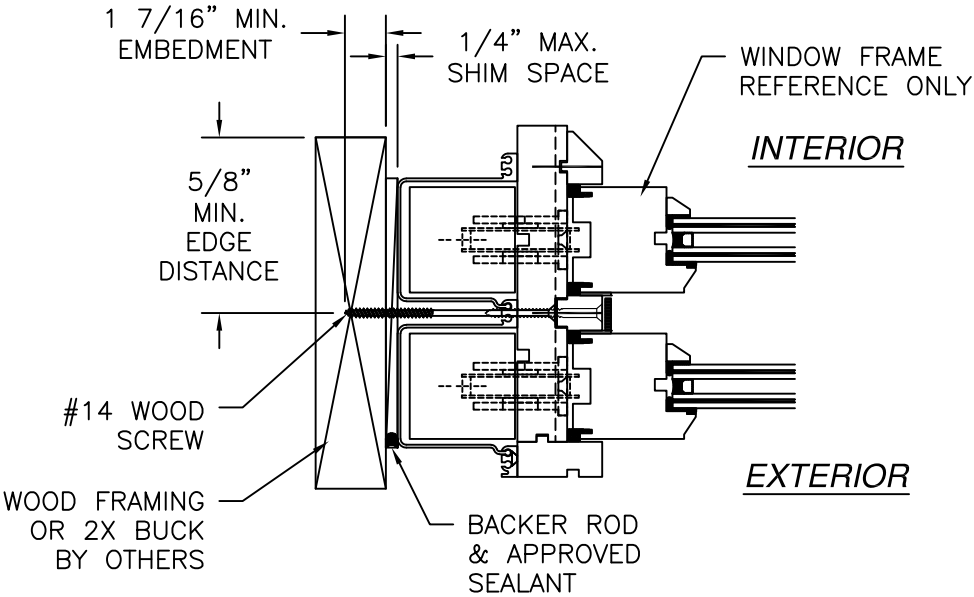
SCALE NTS
DATE 07/28/2023
SHEET 7 OF 15

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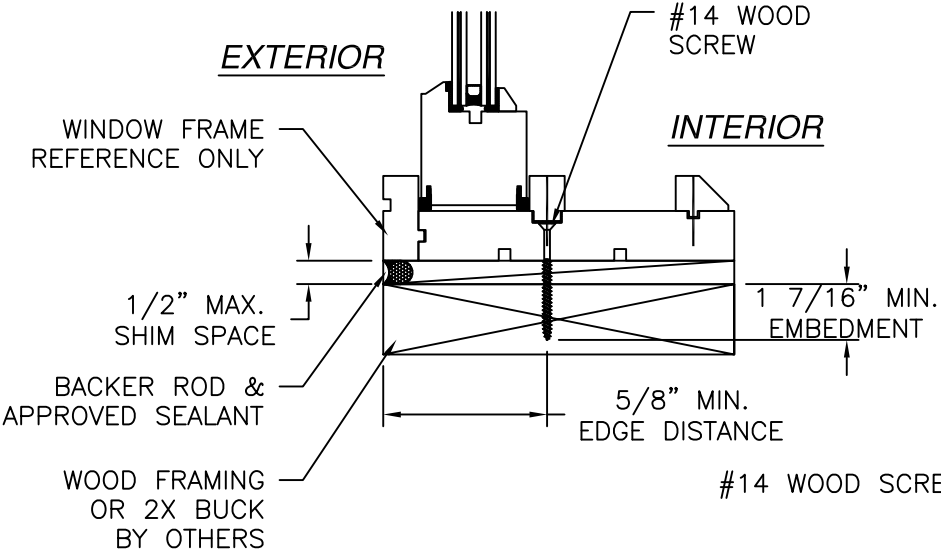


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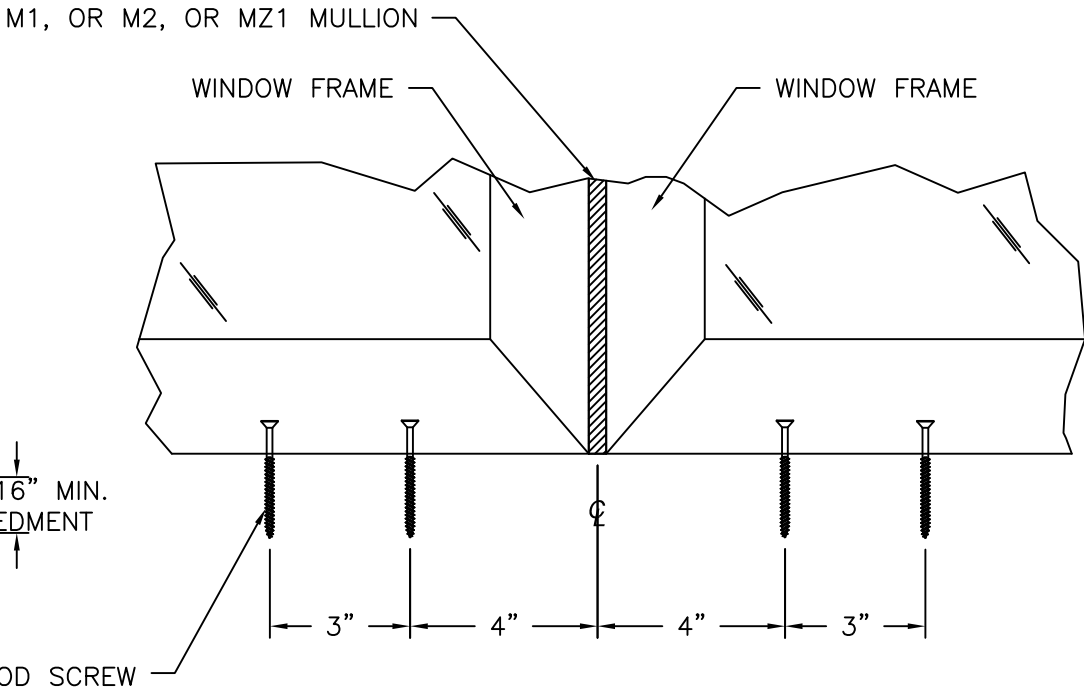
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



M1, OR M2, OR MZ1 HORIZONTAL MULLION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



M1, OR M2, OR MZ1 VERTICAL MULLION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS M1 OR M2 OR MZ1 MULLION

DRAWN:
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08-03957

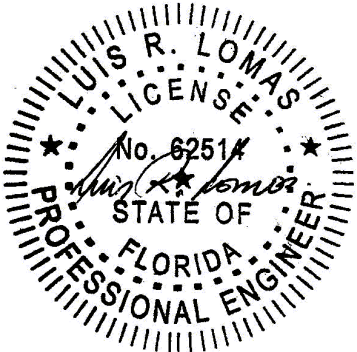
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SCALE NTS

DATE 07/28/2023

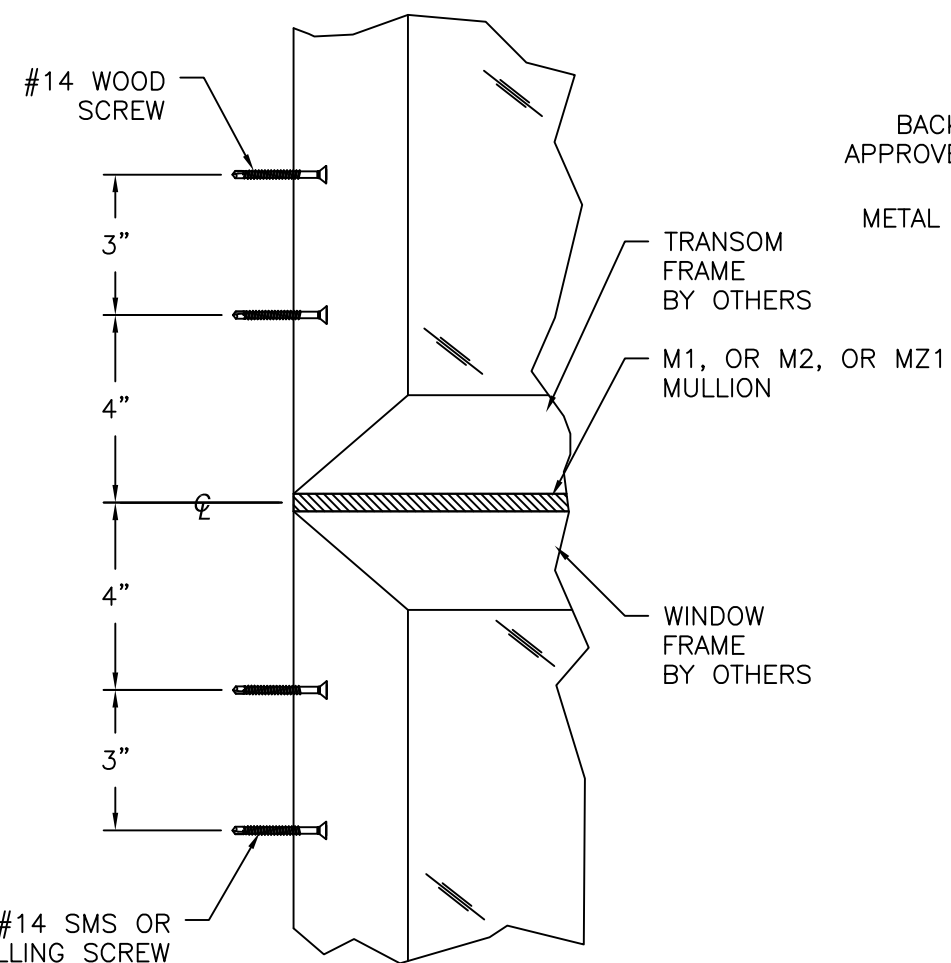
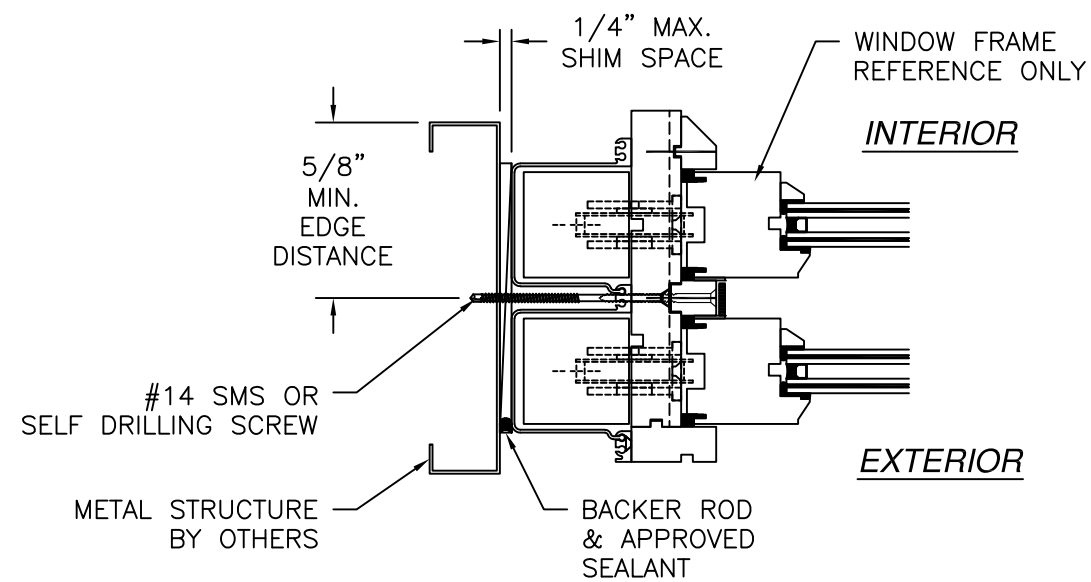
SHEET 8 OF 15

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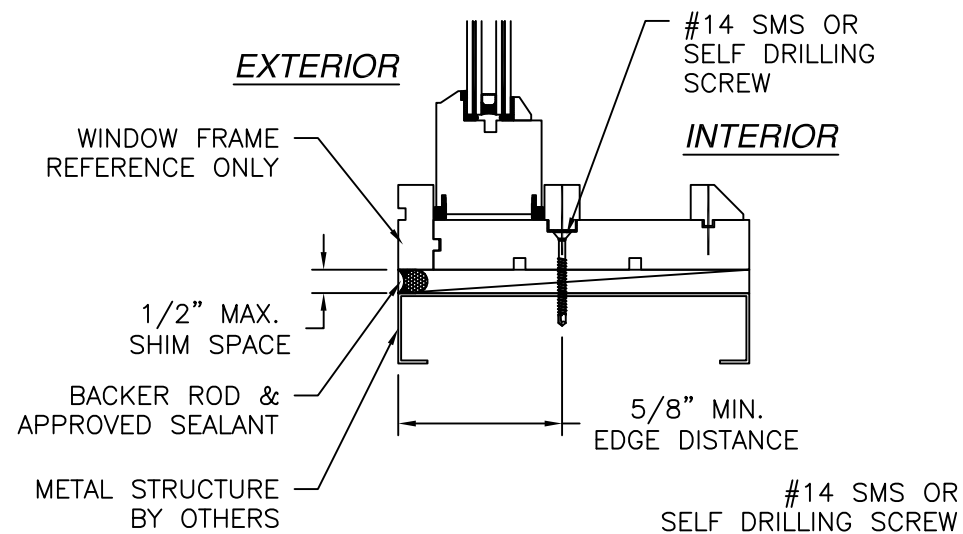


Luis R. Lomas P.E.
FL No.: 62514

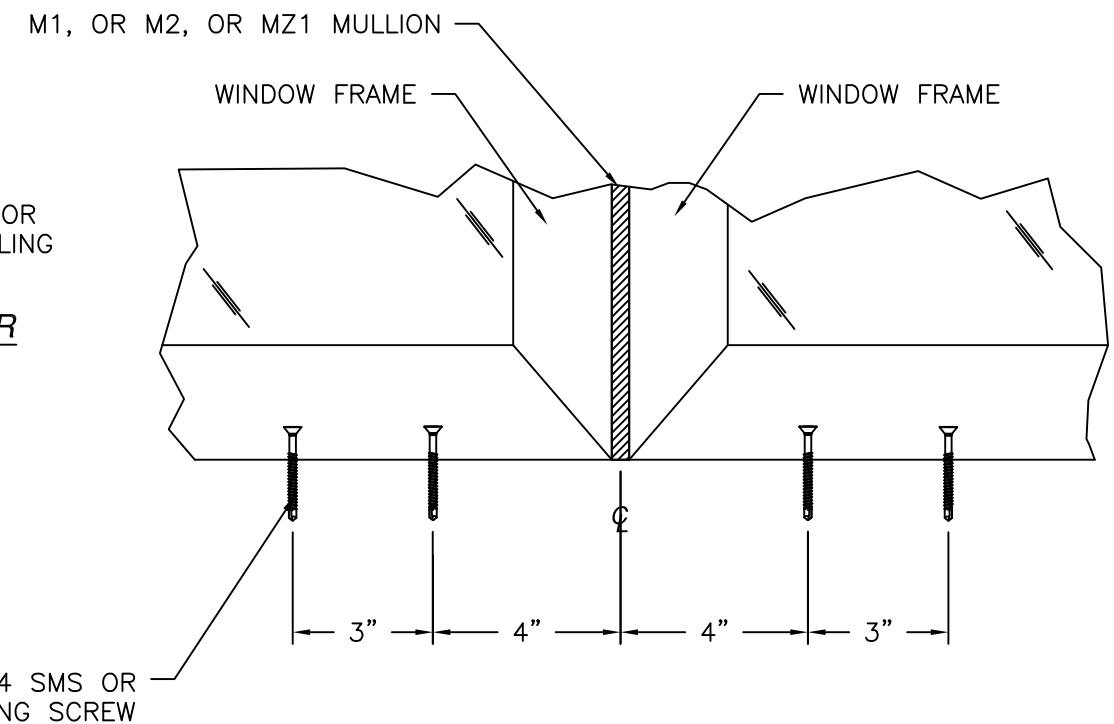
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



M1, OR M2, OR MZ1 HORIZONTAL MULLION DETAIL
METAL STRUCTURE INSTALLATION

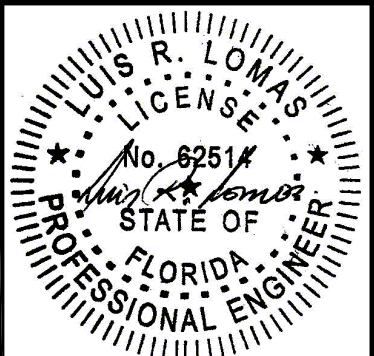


M1, OR M2, OR MZ1 VERTICAL MULLION DETAIL
METAL STRUCTURE INSTALLATION



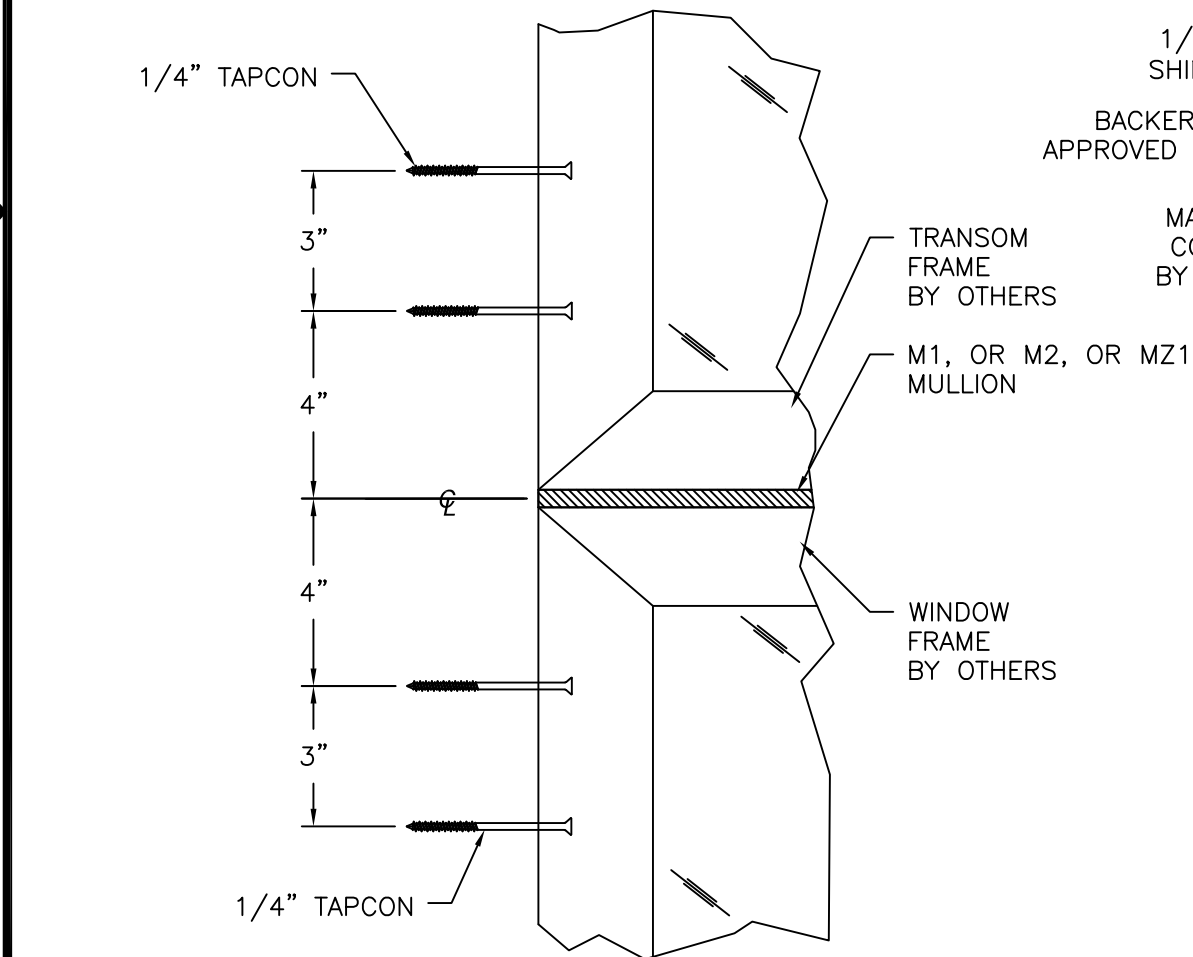
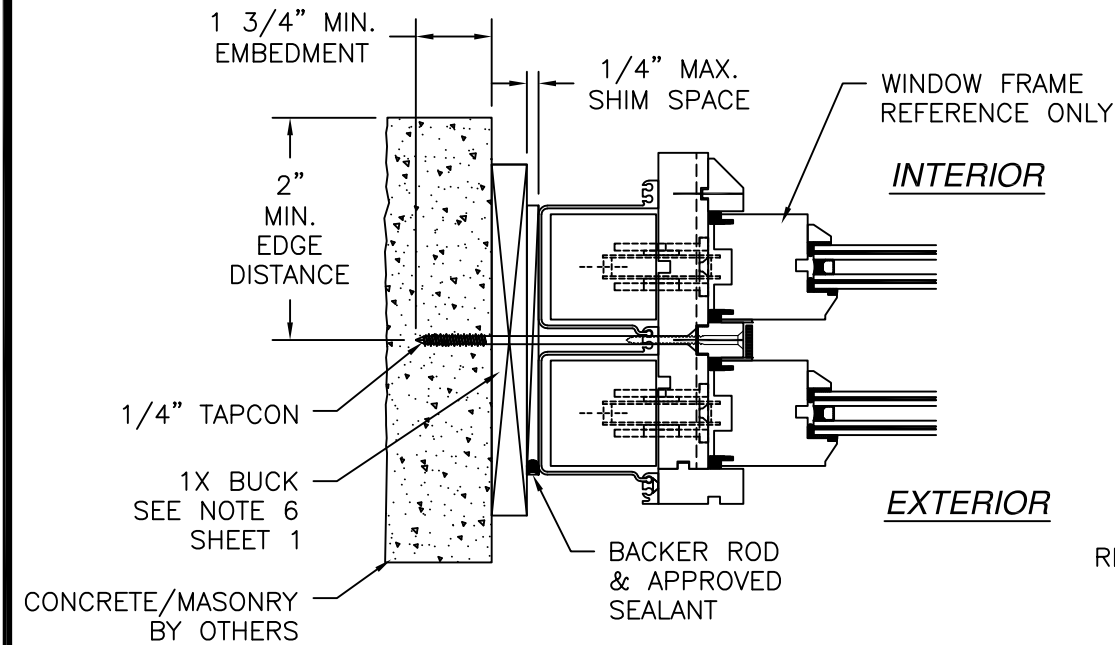
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
X-MULLION IMPACT INSTALLATION DETAILS M1 OR M2 OR MZ1 MULLION		
DRAWN: A.R.	DWG NO. 08-03957	REV A
SCALE NTS	DATE 07/28/2023	SHEET 9 OF 15
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

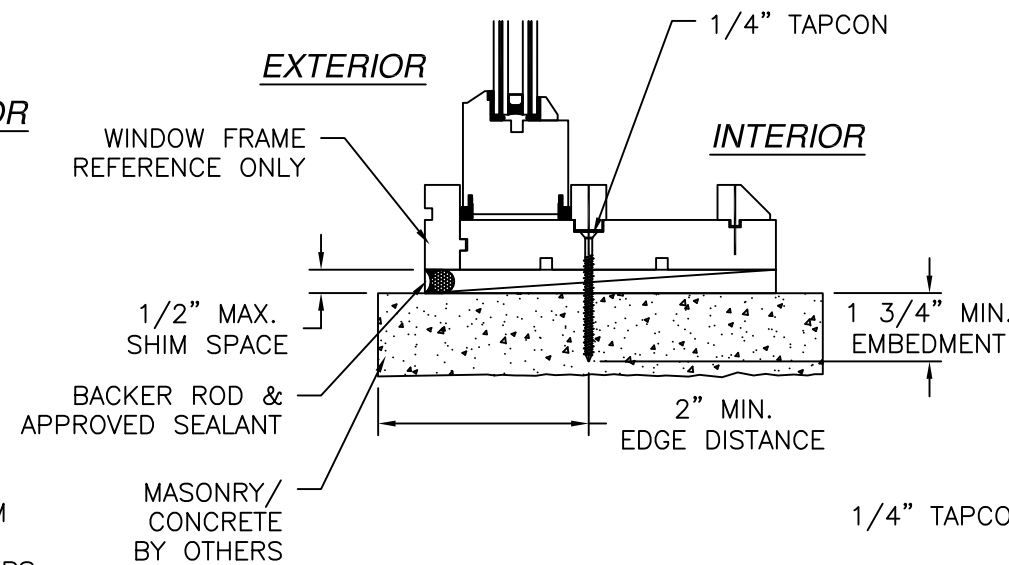


Luis R. Lomas P.E.
FL No.: 62514

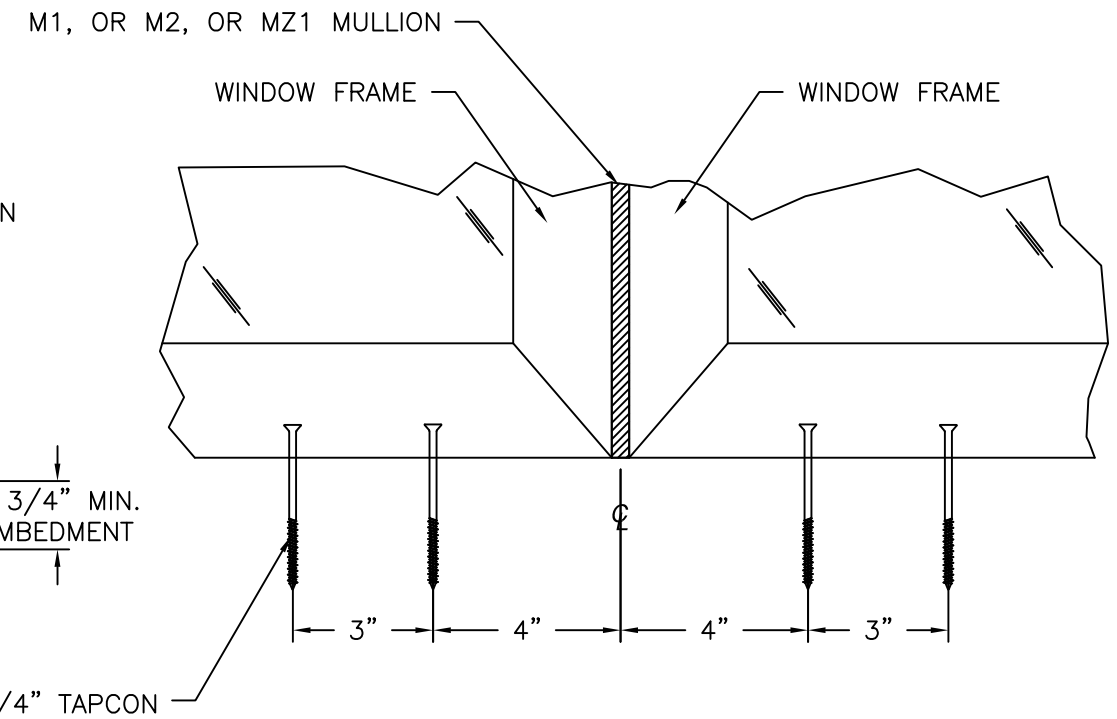
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



M1, OR M2, OR MZ1 HORIZONTAL MULLION DETAIL
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITHOUT 1X BUCK REFER TO
 VERTICAL MULLION



M1, OR M2, OR MZ1 VERTICAL MULLION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HORIZONTAL MULLION



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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS M1 OR M2 OR MZ1 MULLION

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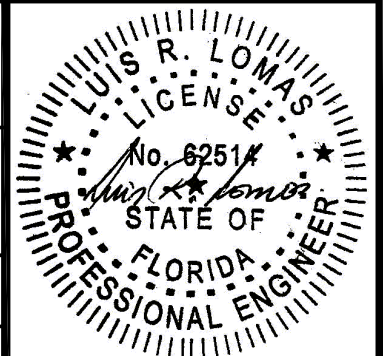
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SCALE NTS

DATE 07/28/2023

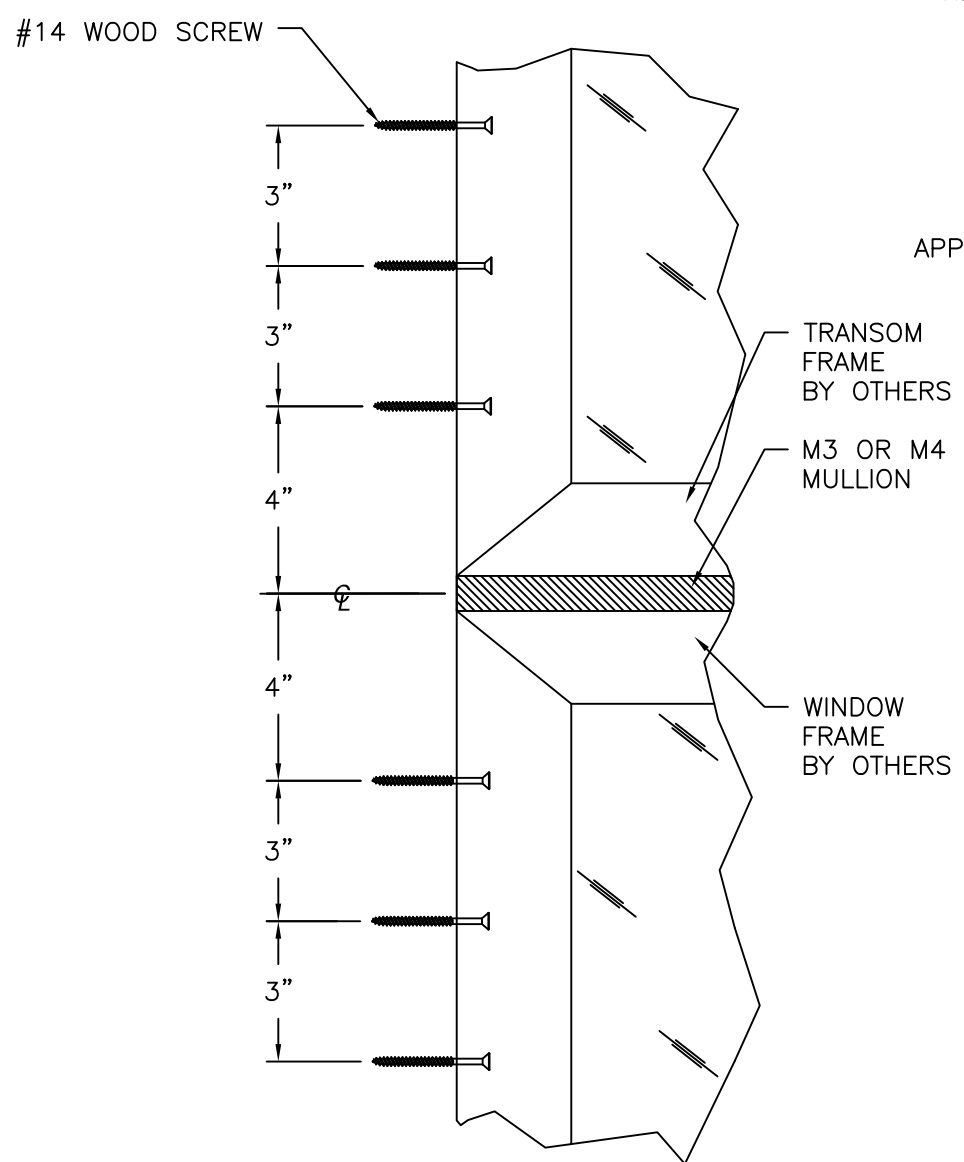
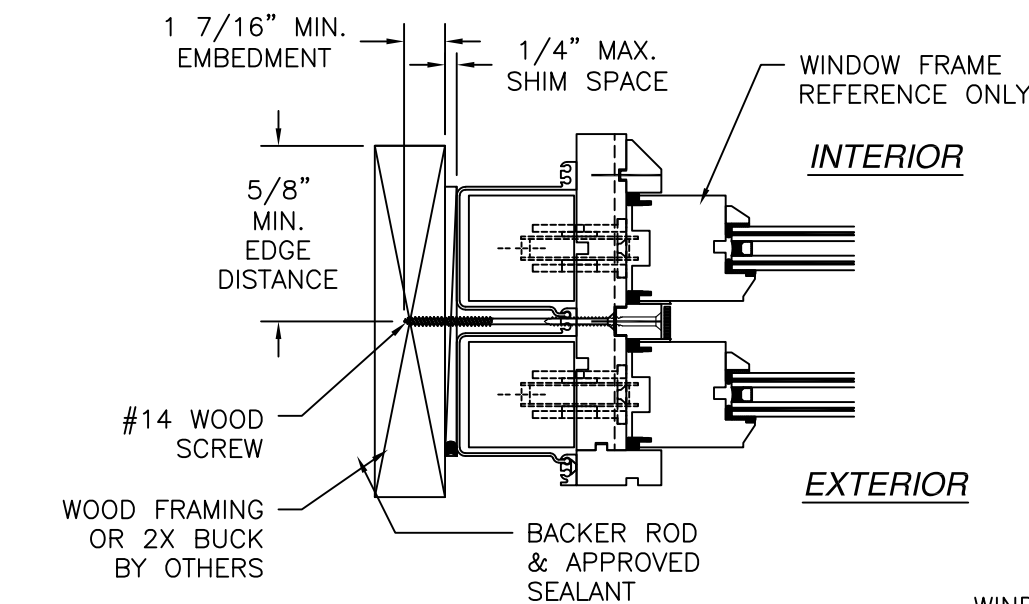
SHEET 10 OF 15

L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
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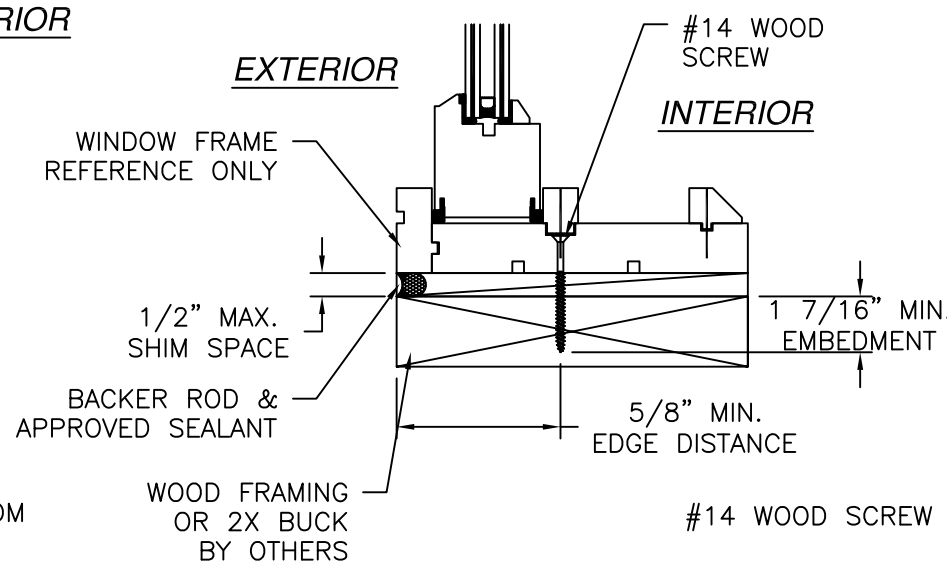


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 FL No.: 62514

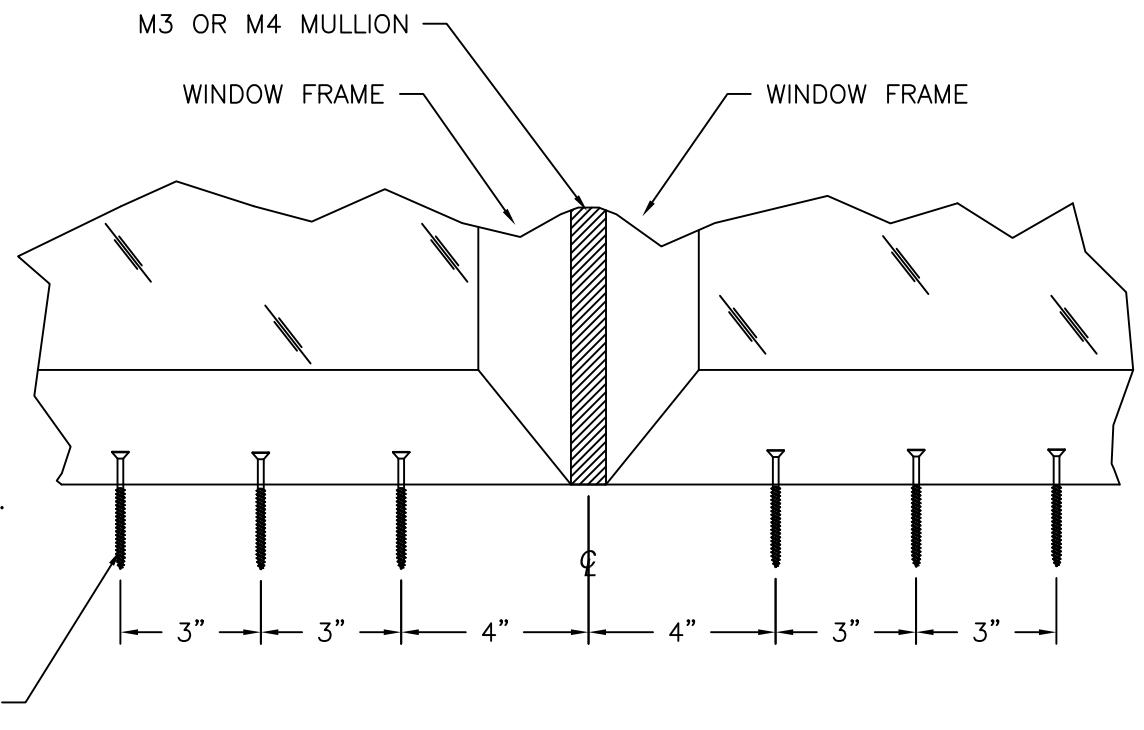
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



M3 OR M4 HORIZONTAL MULLION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



M3 OR M4 VERTICAL MULLION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS M3 OR M4 MULLION

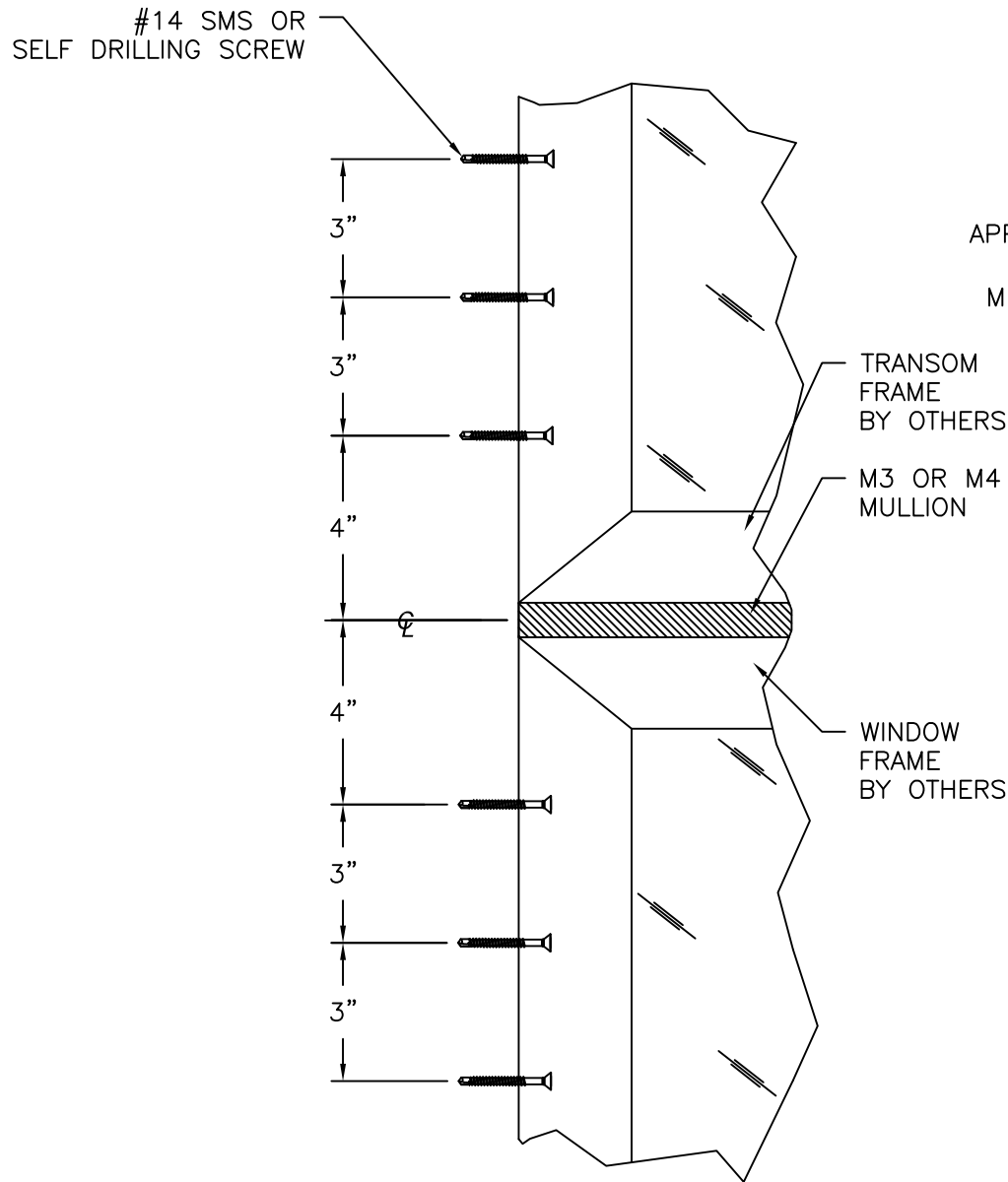
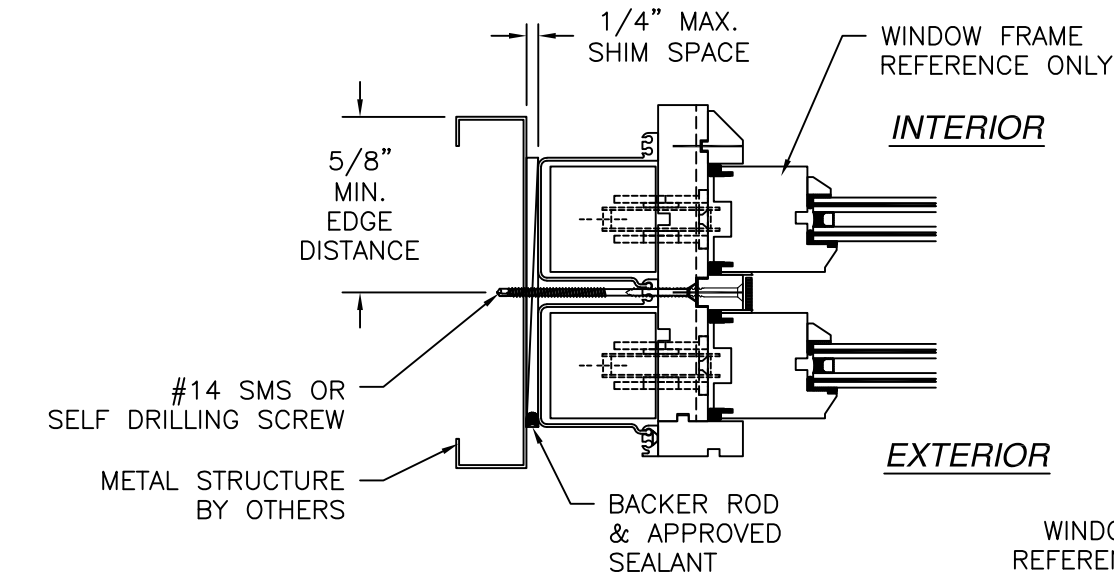
DRAWN: A.R.	DWG NO. 08-03957	REV A
SCALE NTS	DATE 07/28/2023	SHEET 11 OF 15

L. ROBERTO LOMAS P.E.
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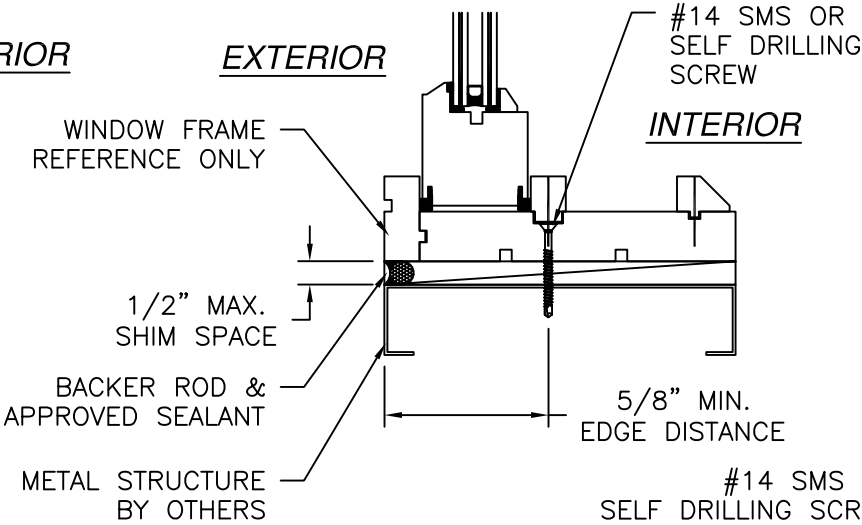
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

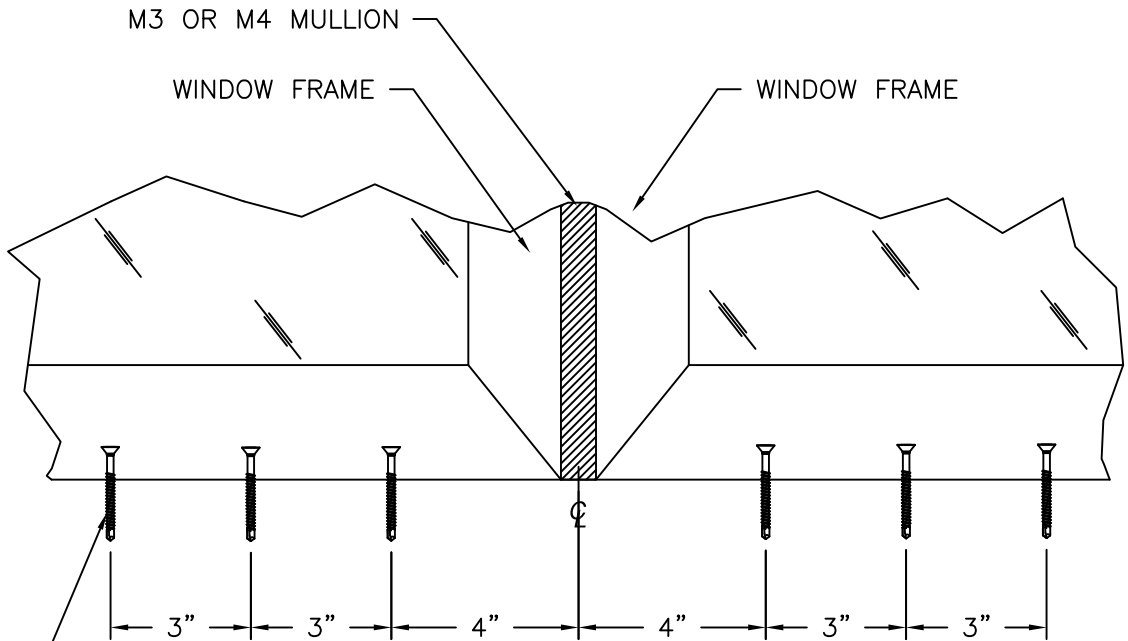
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



M3 OR M4 HORIZONTAL MULLION DETAIL
METAL STRUCTURE INSTALLATION



M3 OR M4 VERTICAL MULLION DETAIL
METAL STRUCTURE INSTALLATION



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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS M3 OR M4 MULLION

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08-03957

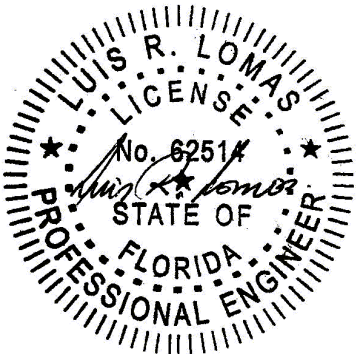
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SCALE NTS

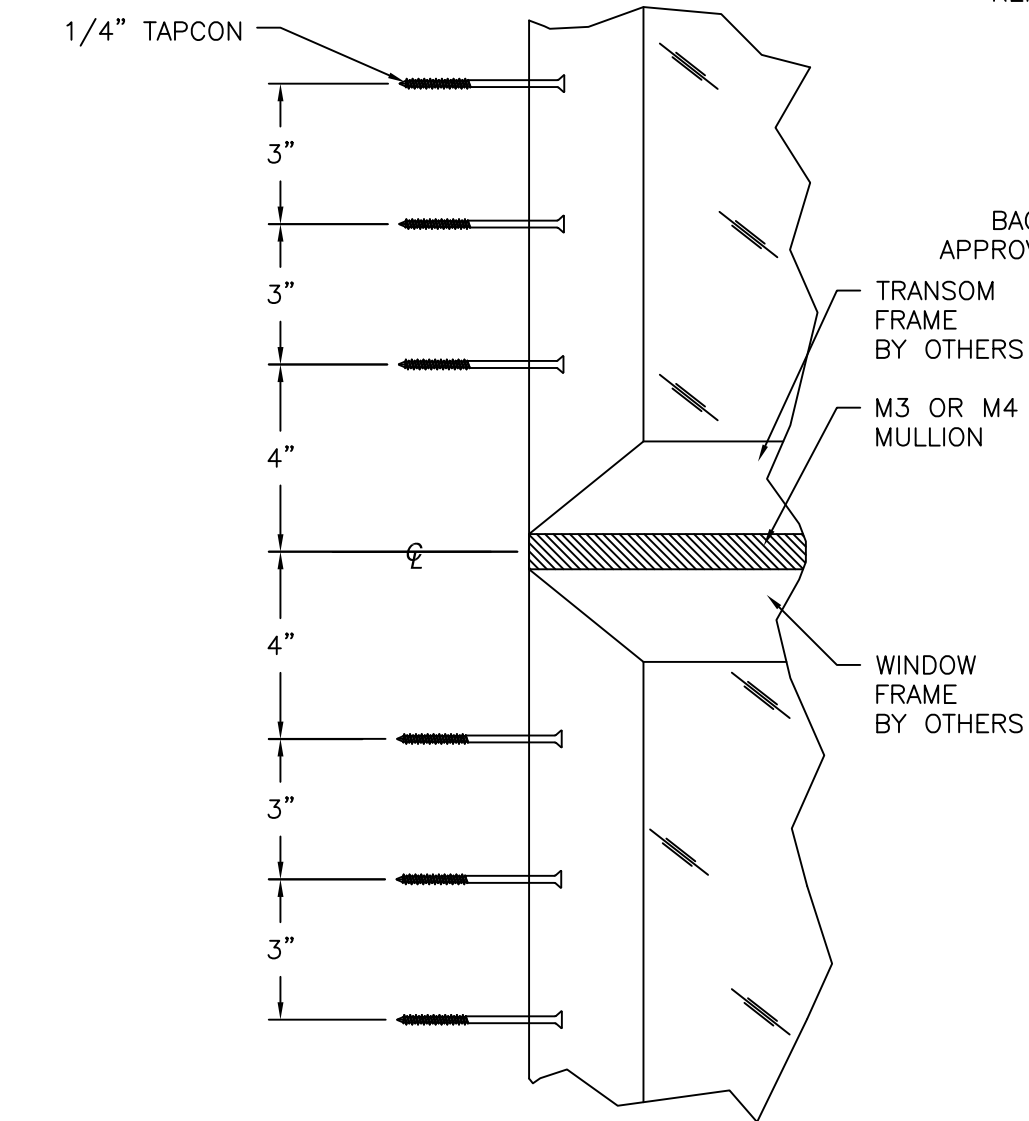
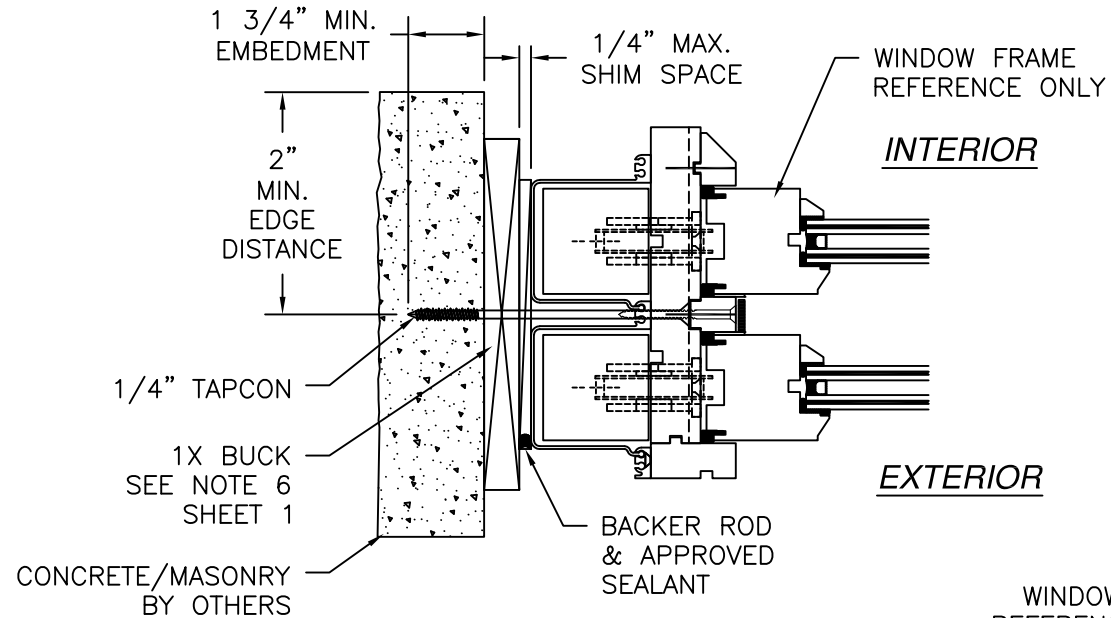
DATE 07/28/2023

SHEET 12 OF 15

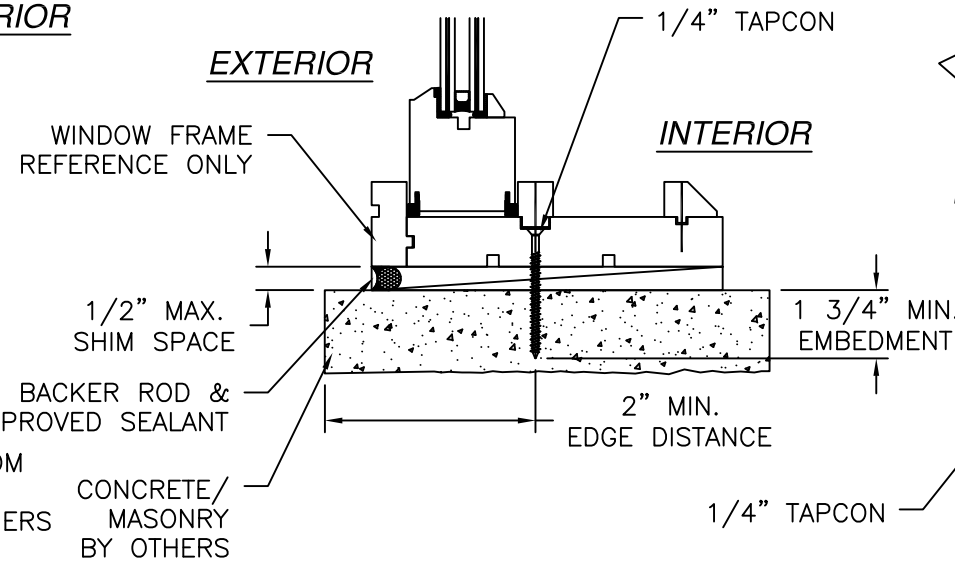
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



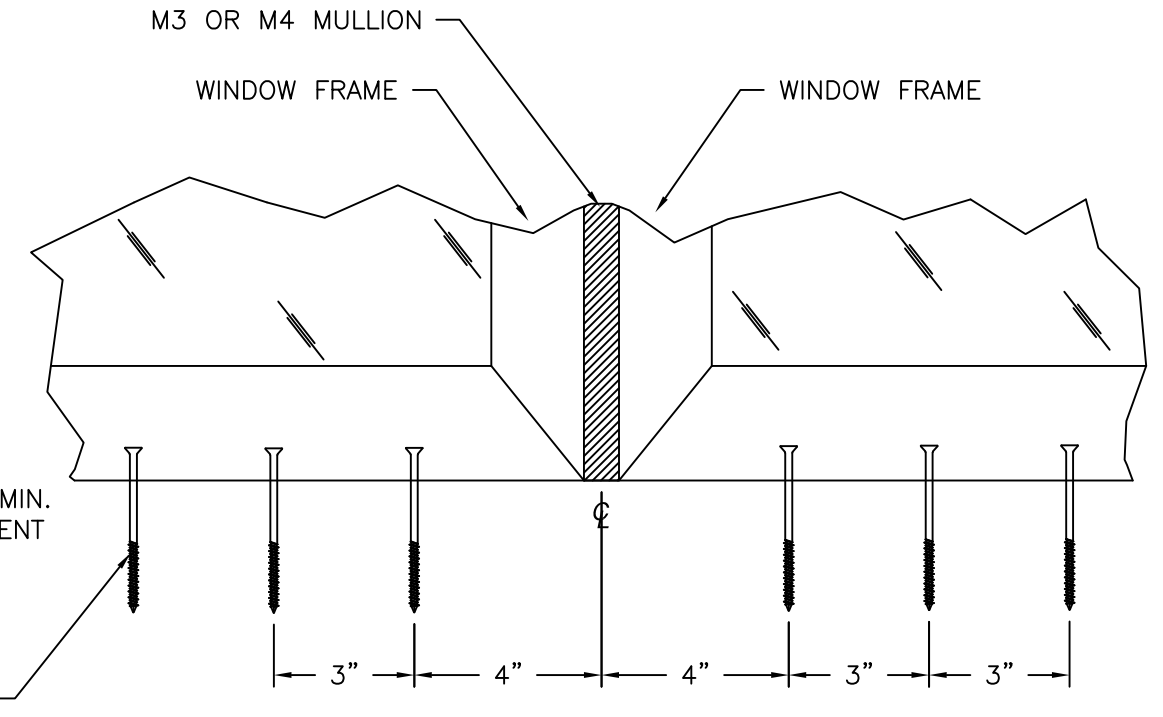
Luis R. Lomas P.E.
FL No.: 62514



M3 HORIZONTAL MULLION DETAIL
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITHOUT 1X BUCK REFER TO
 VERTICAL MULLION



M3 OR M4 VERTICAL MULLION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HORIZONTAL MULLION



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.

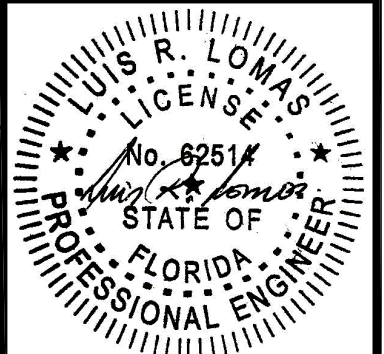
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 901 BURMAN BLVD.
 CALVERTON, NY 11933

X-MULLION
 IMPACT
 INSTALLATION DETAILS M3 OR M4 MULLION

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SCALE NTS	DATE 07/28/2023	SHEET 13 OF 15

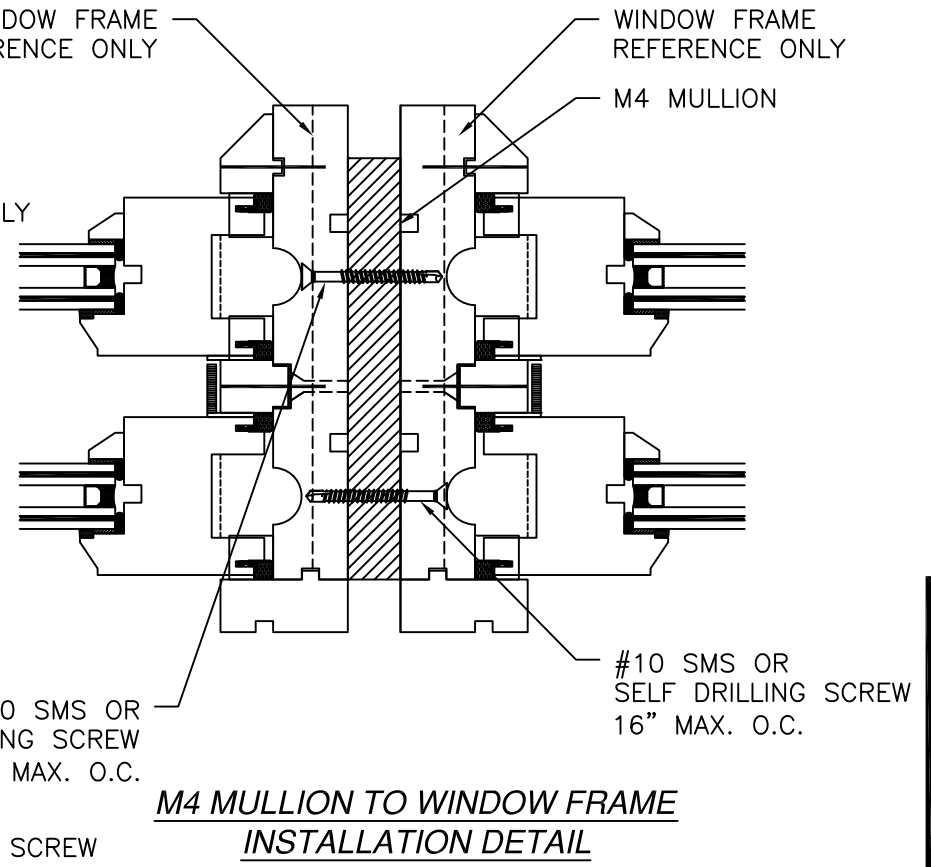
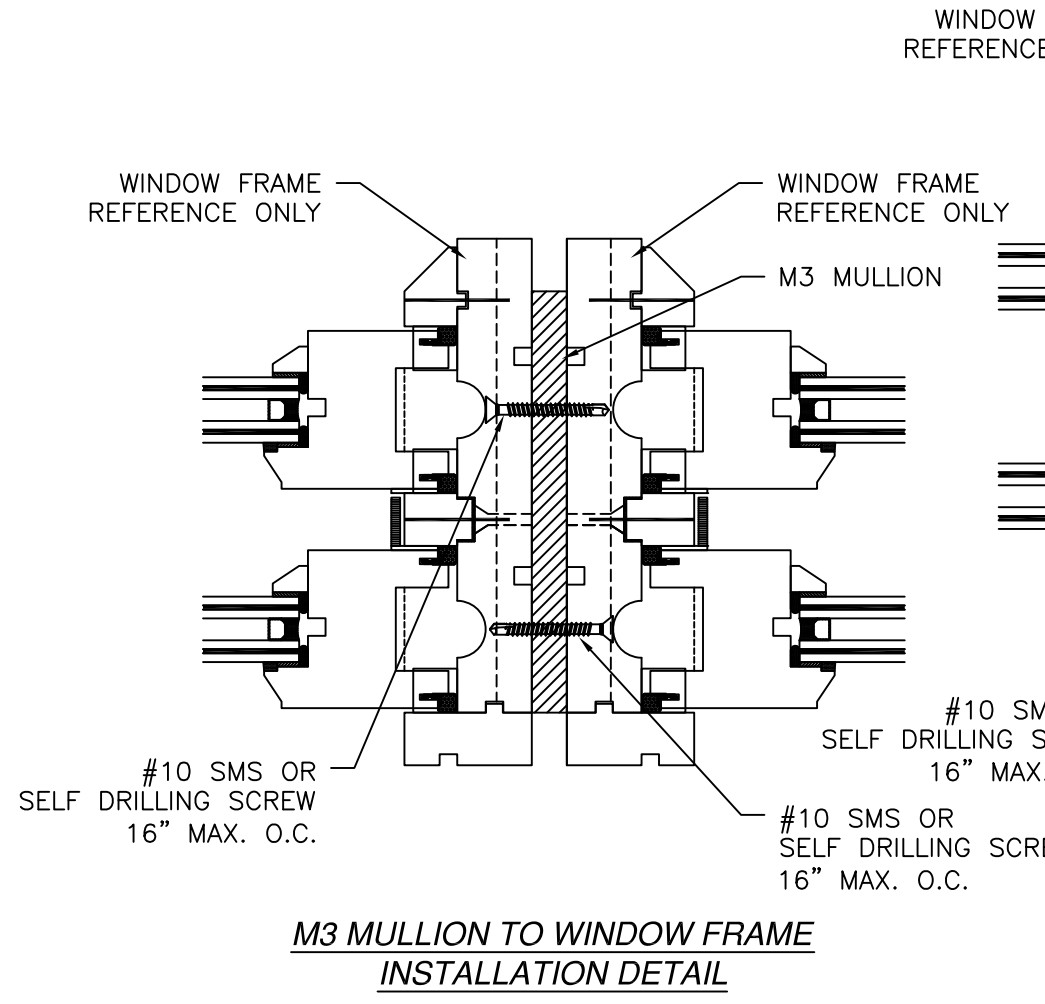
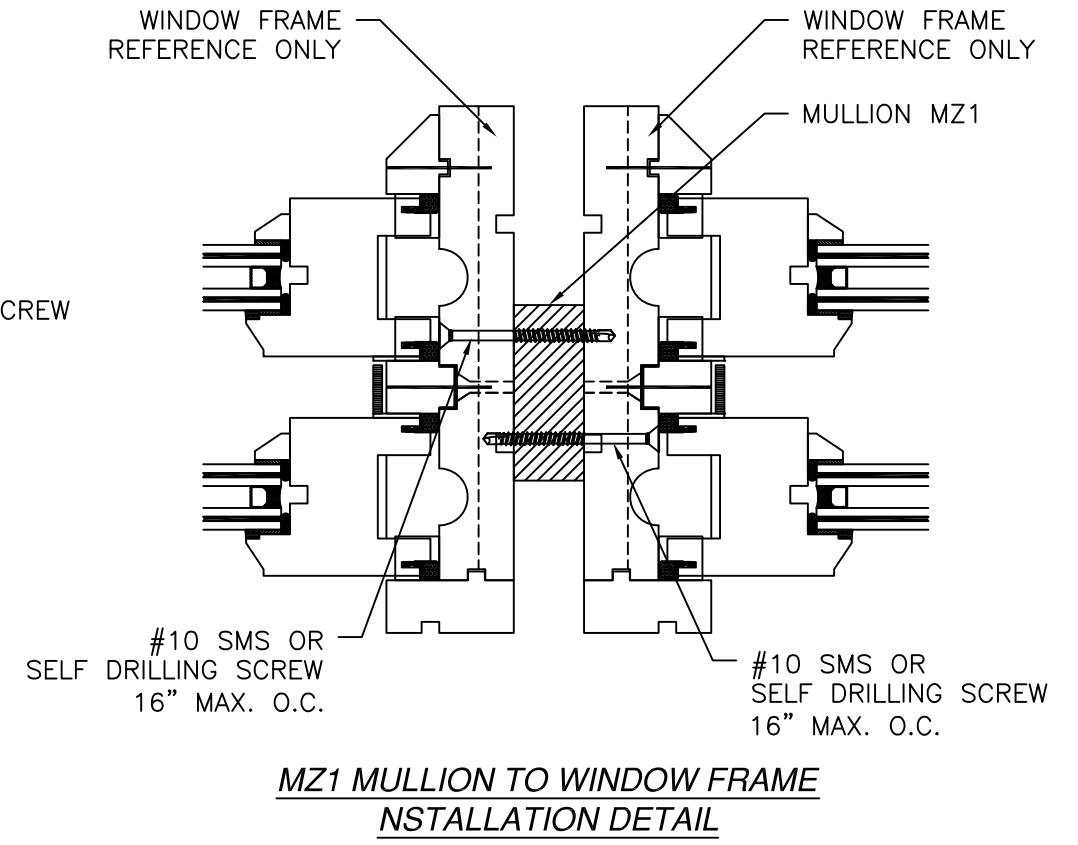
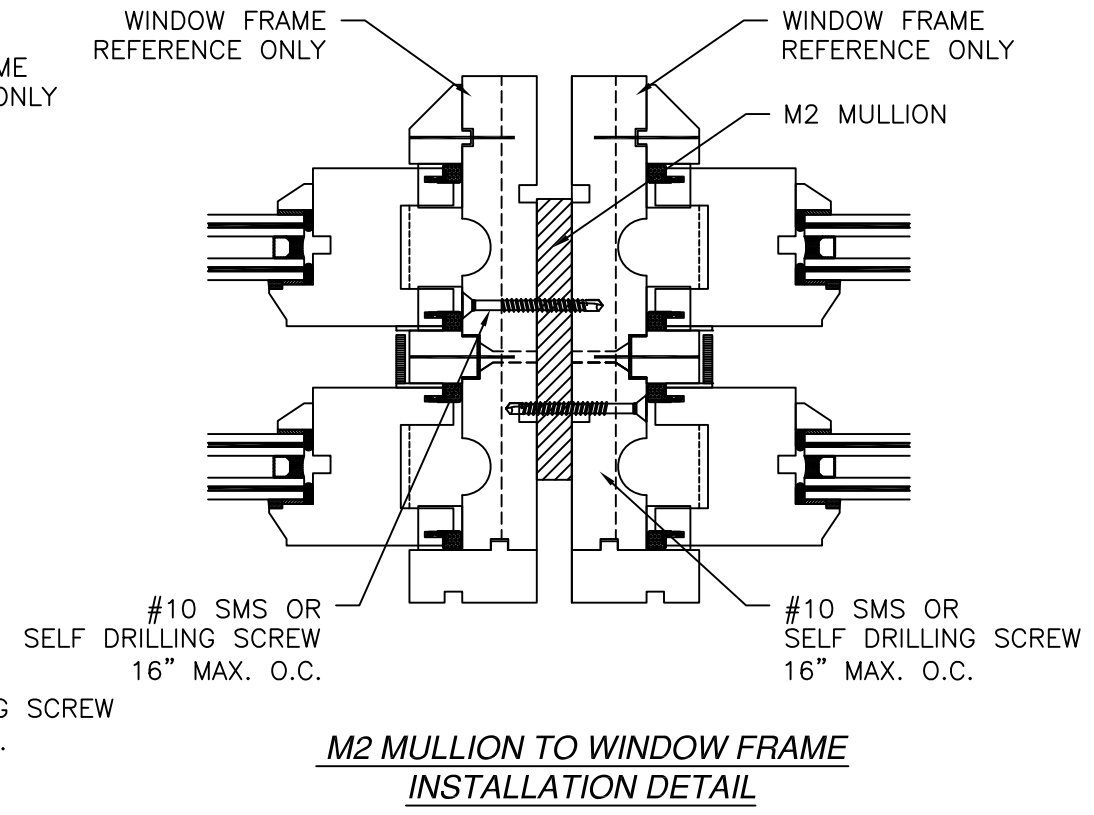
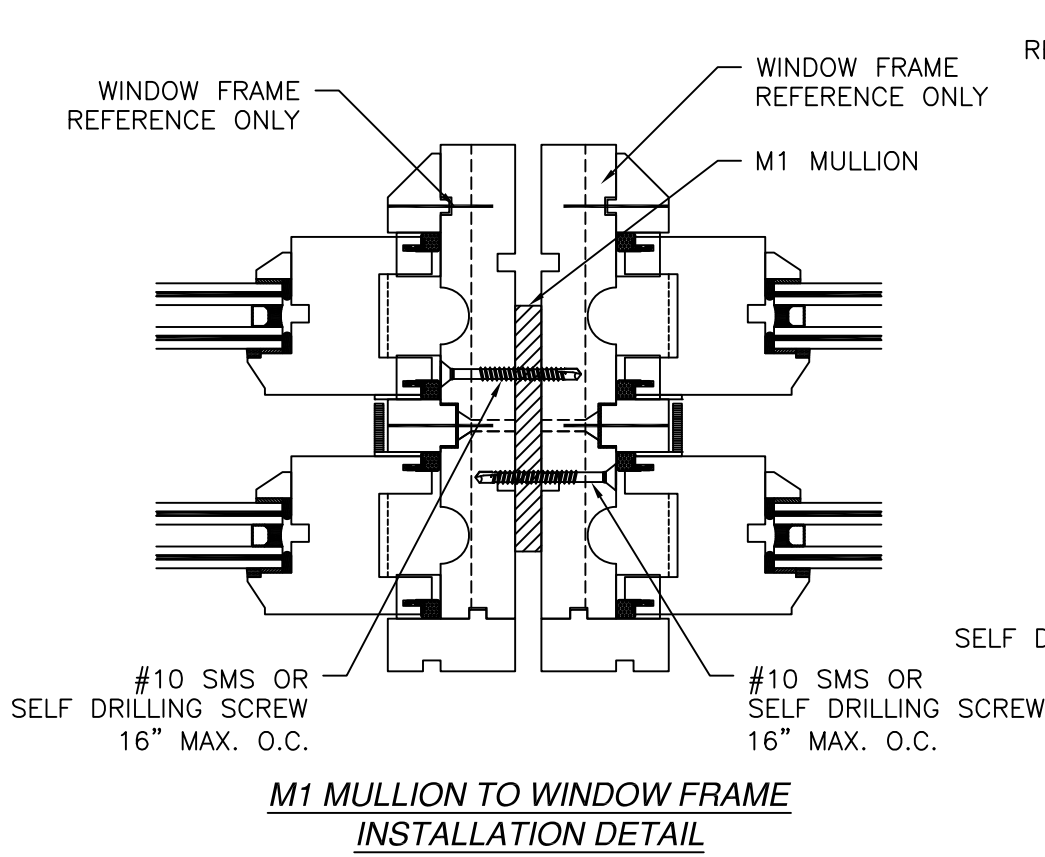
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SIGNED: 07/20/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

X-MULLION
IMPACT
INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03957

REV
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SCALE
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DATE
07/28/2023

SHEET
14 OF 15

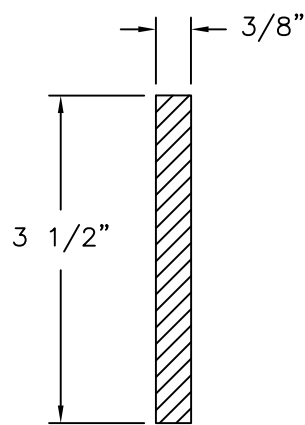
L. ROBERTO LOMAS P.E.
208 7th AVENUE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026

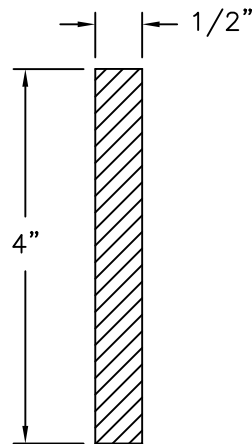
L. ROBERTO LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

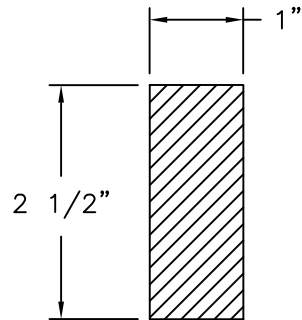
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MZ1 MULLION	08/28/2024	R.L.



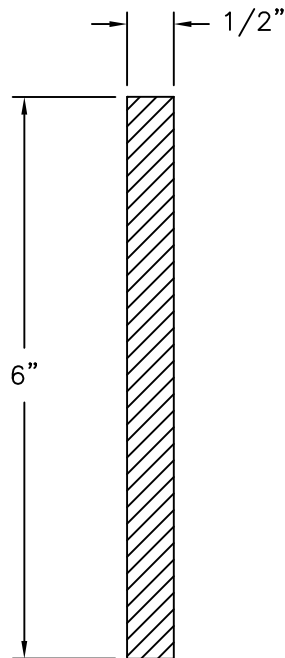
M1 MULLION
STEEL



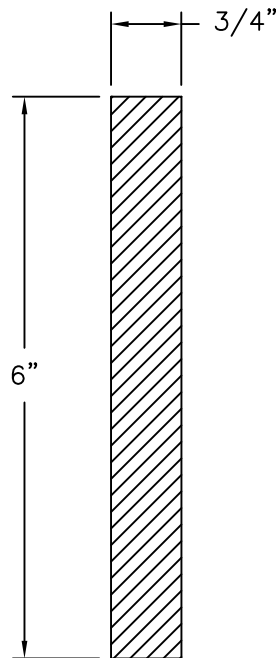
M2 MULLION
STEEL



MZ1 MULLION
STEEL



M3 MULLION
STEEL



M4 MULLION
STEEL

SIGNED: 07/20/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
X-MULLION IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03957	REV A
SCALE NTS	DATE 07/28/2023	SHEET 15 OF 15
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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