

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. 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. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
6. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
7. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
8. ALL FASTENERS TO BE CORROSION RESISTANT.
9. 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 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f'm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
10. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
11. SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY EASTERN ARCHITECTURAL SYSTEMS.
12. DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.

SIGNED: 08/13/2020

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION AND DESIGN PRESSURE CHARTS
3 – 7	INSTALLATION DETAILS
8	COMPONENTS



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
NOTES

DRAWN: TJH

DWG NO. 08-00805

REV C

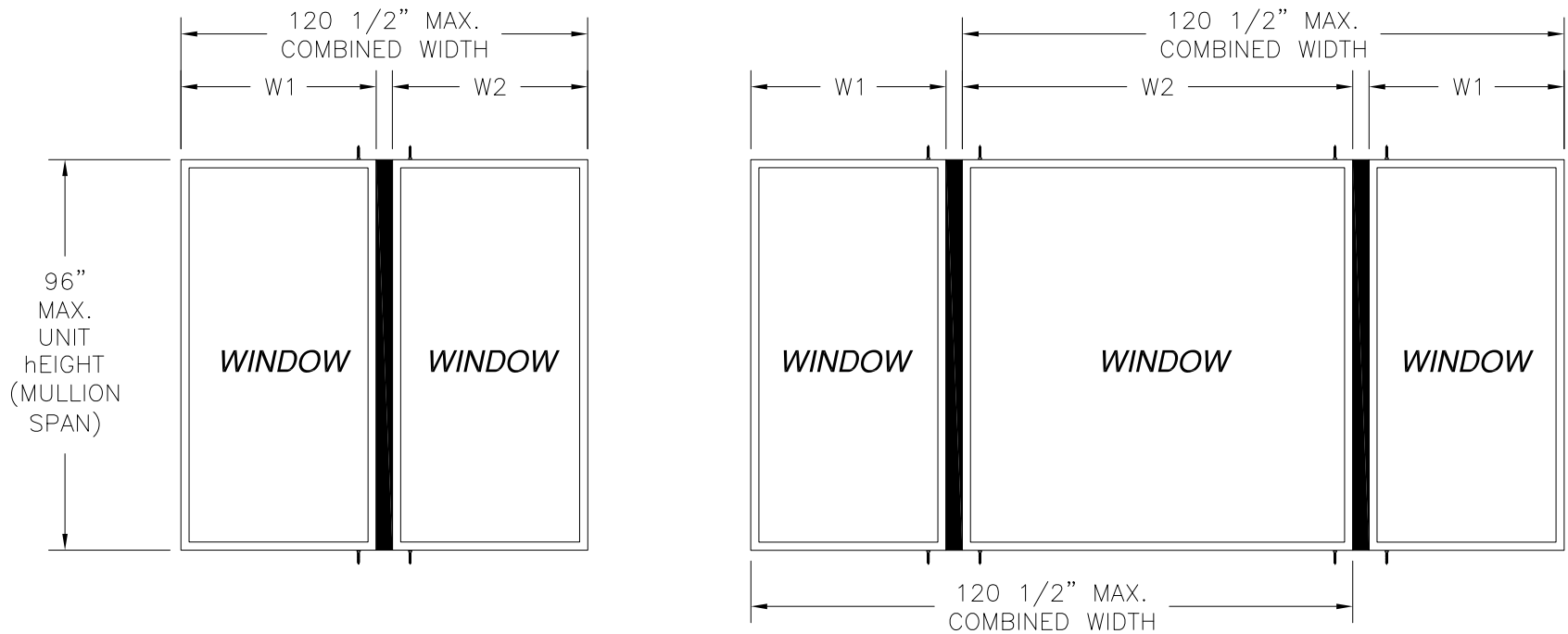
SCALE NTS

DATE 07/29/09

SHEET 1 OF 8

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

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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.

10300085 ALUMINUM VERTICAL MULLION NON REINFORCED
LMI WIND ZONE 3

Design pressure rating (psf)
Design pressures are positive and negative

Mullion span (in)	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
48.00	150.0	148.4	136.1	129.6	127.6	127.6	127.6
54.00	145.8	125.6	113.4	106.0	102.0	100.8	100.8
60.00	126.0	104.7	91.4	82.9	77.6	74.7	73.8
66.00	93.6	77.2	66.9	60.0	55.5	52.6	50.9
72.00	71.5	58.7	50.5	45.0	41.2	38.6	36.9
78.00	55.8	45.7	39.1	34.6	31.5	29.2	27.7
84.00	44.5	36.3	30.9	27.2	24.6	22.7	21.3
90.00	36.0	29.3	24.9	21.9	19.7	18.1	16.9
96.00	29.6	24.0	20.3	17.8	16.0	-	-

IMPACT RATED UP TO WIND ZONE 3

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 WIDTH.
- 3) LOCATE MULLION SPAN (UNIT HEIGHT) AND TRIBUTARY WIDTH. AT THE INTERSECTION OF ROW AND COLUMN 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.

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



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
ELEVATION AND DESIGN PRESSURE CHART

DRAWN:
TJH

DWG NO.
08-00805

REV
C

SCALE
NTS

DATE
07/29/09

SHEET
2 OF 8

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

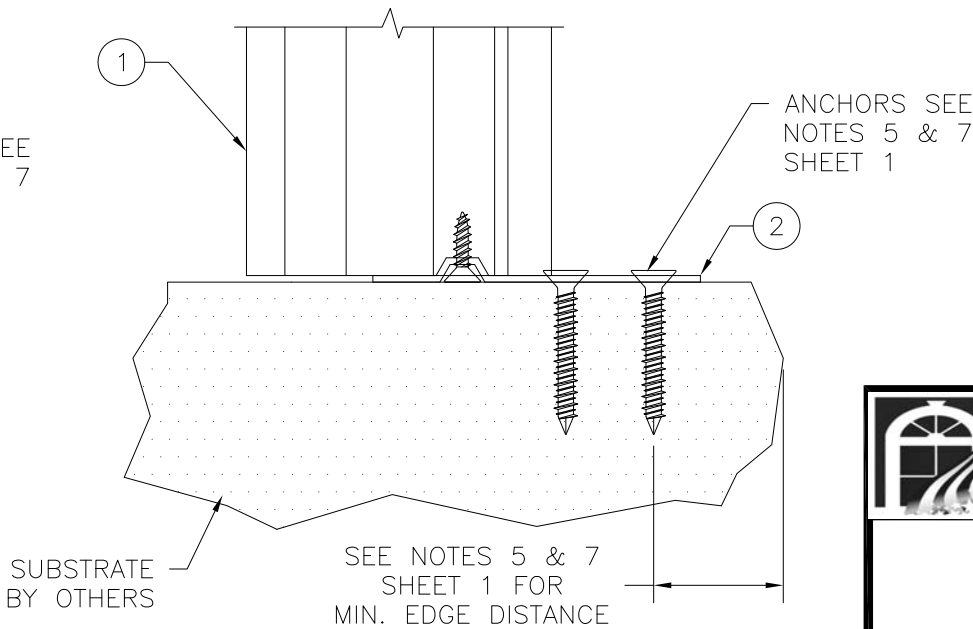
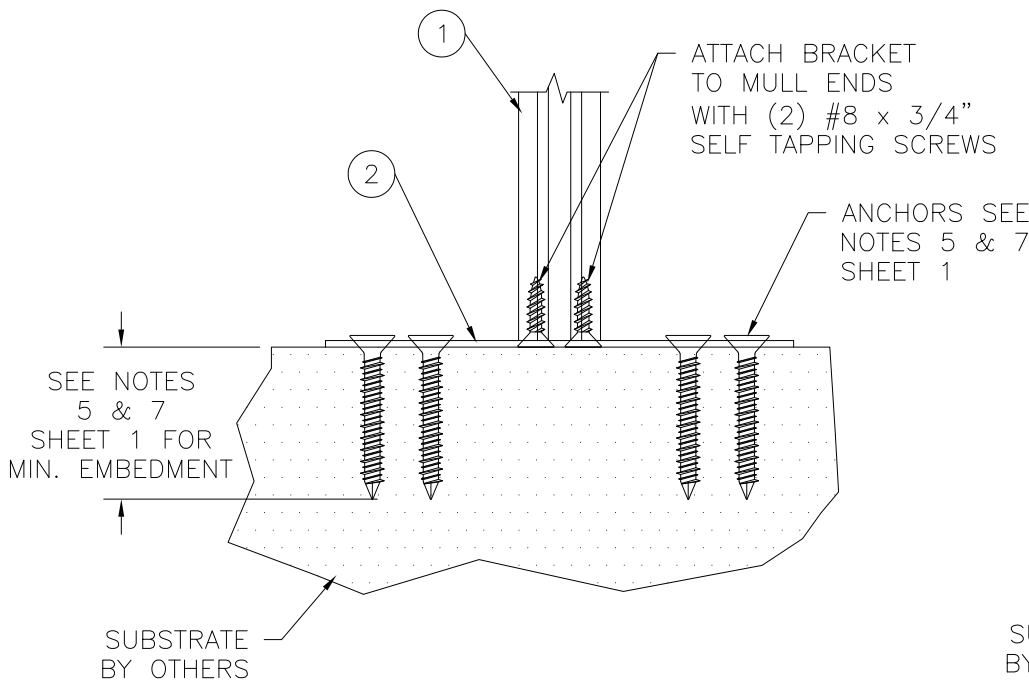
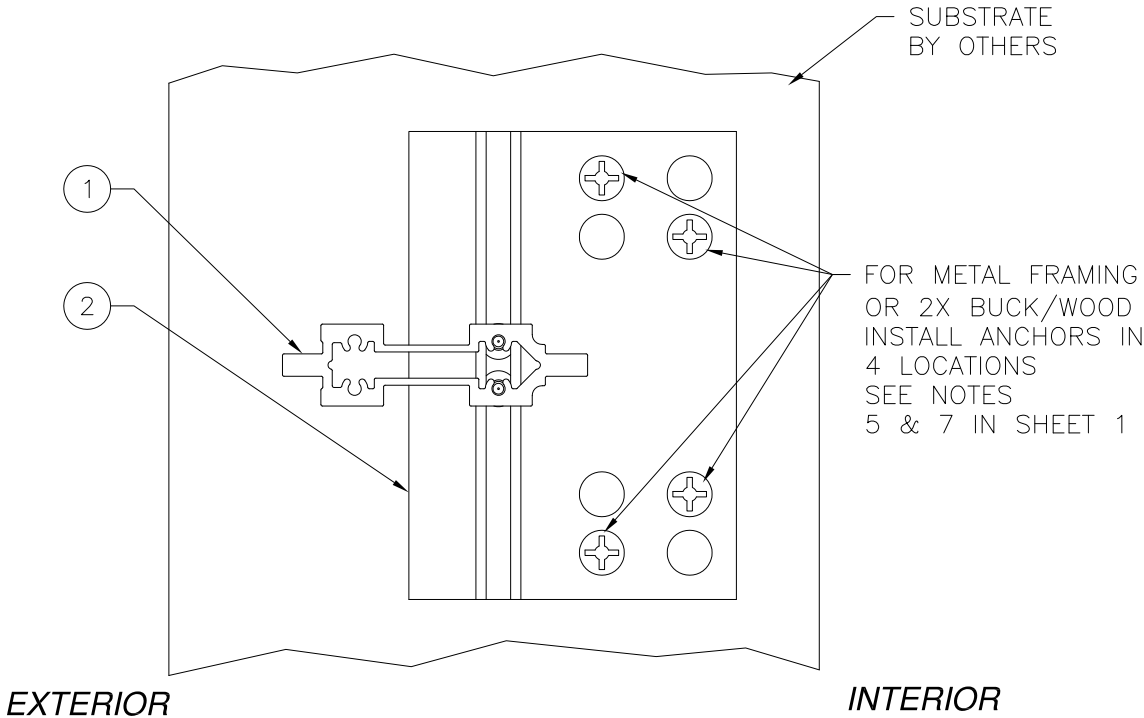
SIGNED: 08/13/2020



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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4	FS-02354	MULLION CLIP		ALUMINUM 6063-T5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



STEEL MULLION BRACKET 10203000
INSTALLATION DETAILS
SILL AND HEAD TYP.
WOOD AND METAL INSTALLATION



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN:
TJH

DWG NO.
08-00805

REV
C

SCALE NTS

DATE 07/29/09

SHEET 3 OF 8

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

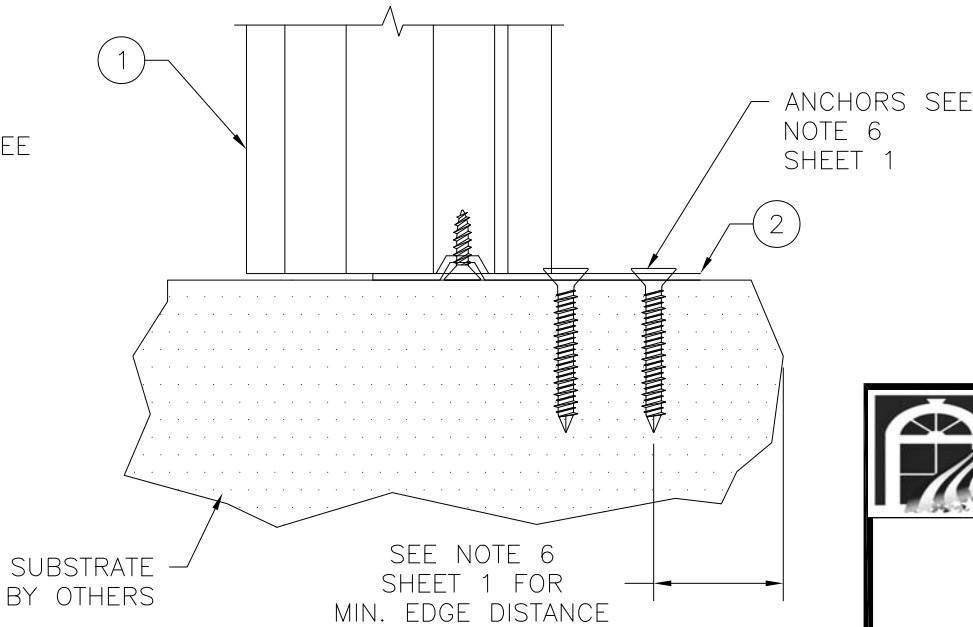
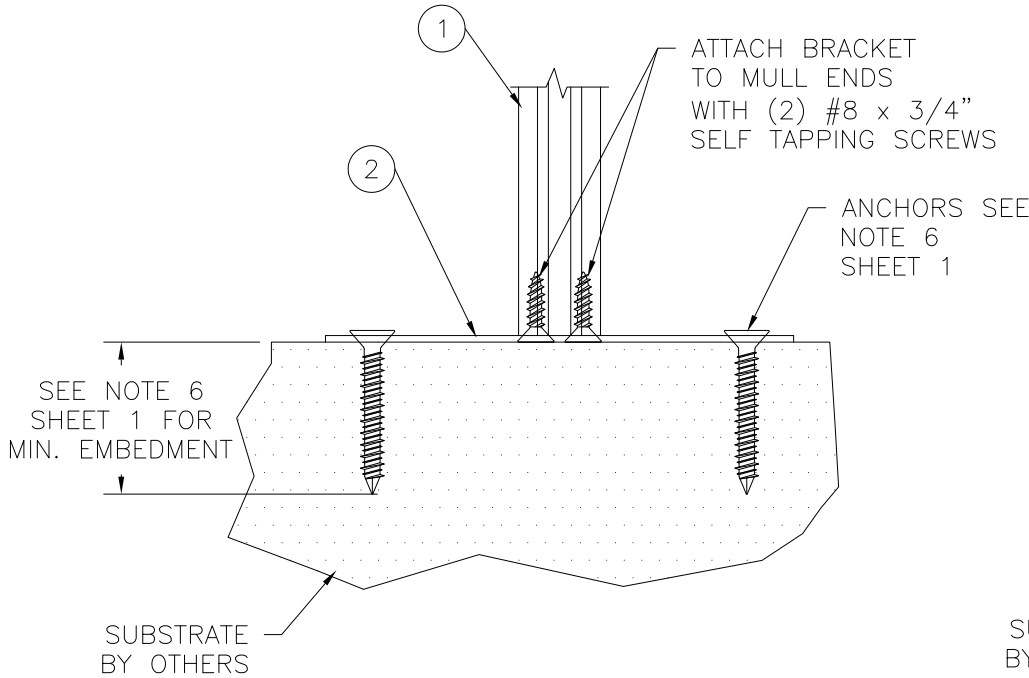
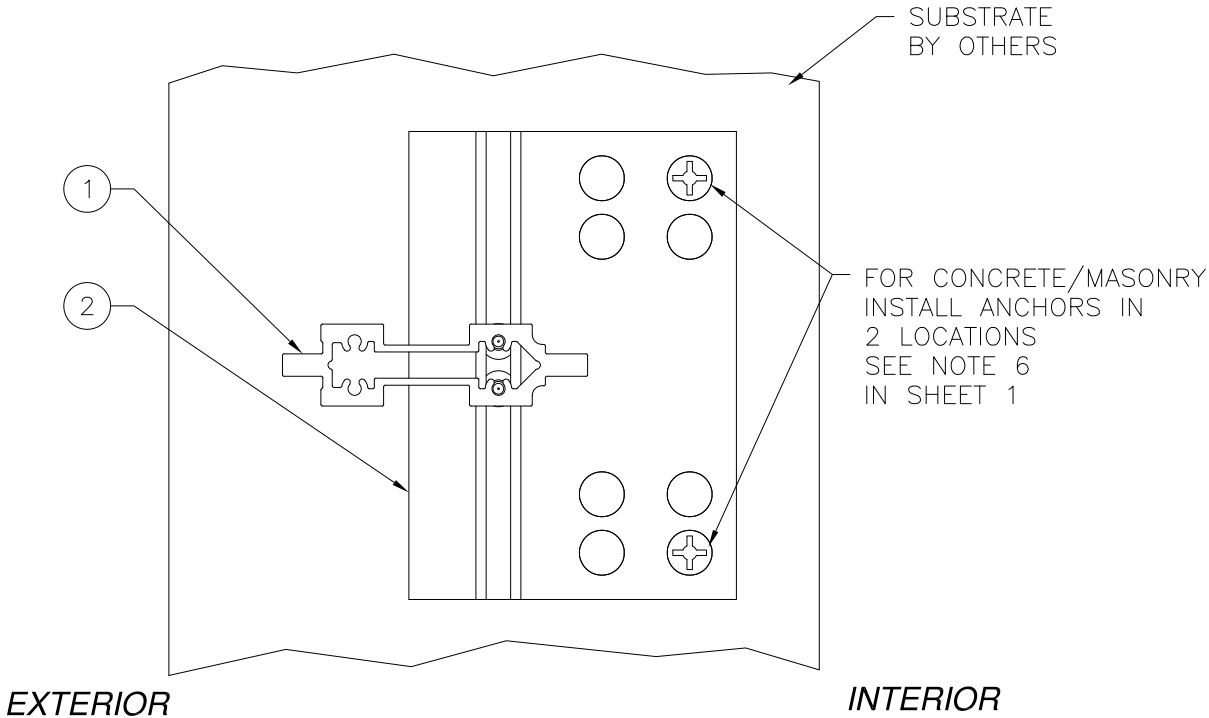
SIGNED: 08/13/2020



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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4	FS-02354	MULLION CLIP		ALUMINUM 6063-T5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



STEEL MULLION BRACKET 10203000
INSTALLATION DETAILS
SILL AND HEAD TYP.
CONCRETE/MASONRY INSTALLATION



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN:
TJH

DWG NO.
08-00805

REV
C

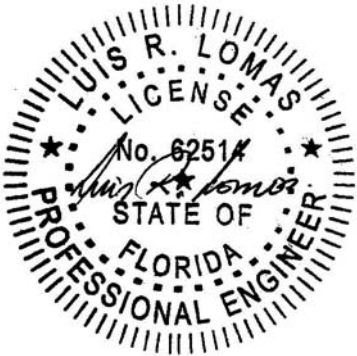
SCALE NTS

DATE 07/29/09

SHEET 4 OF 8

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

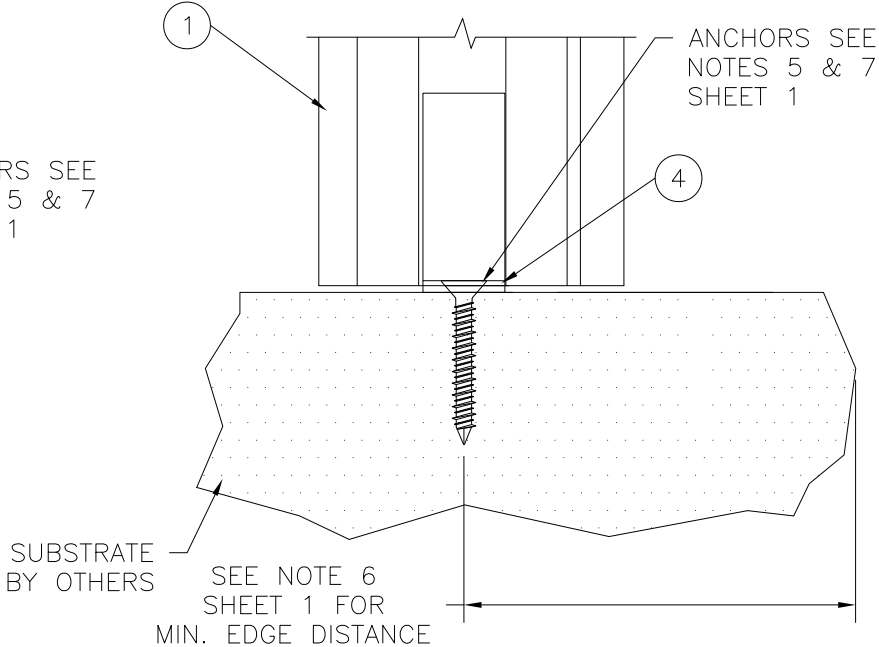
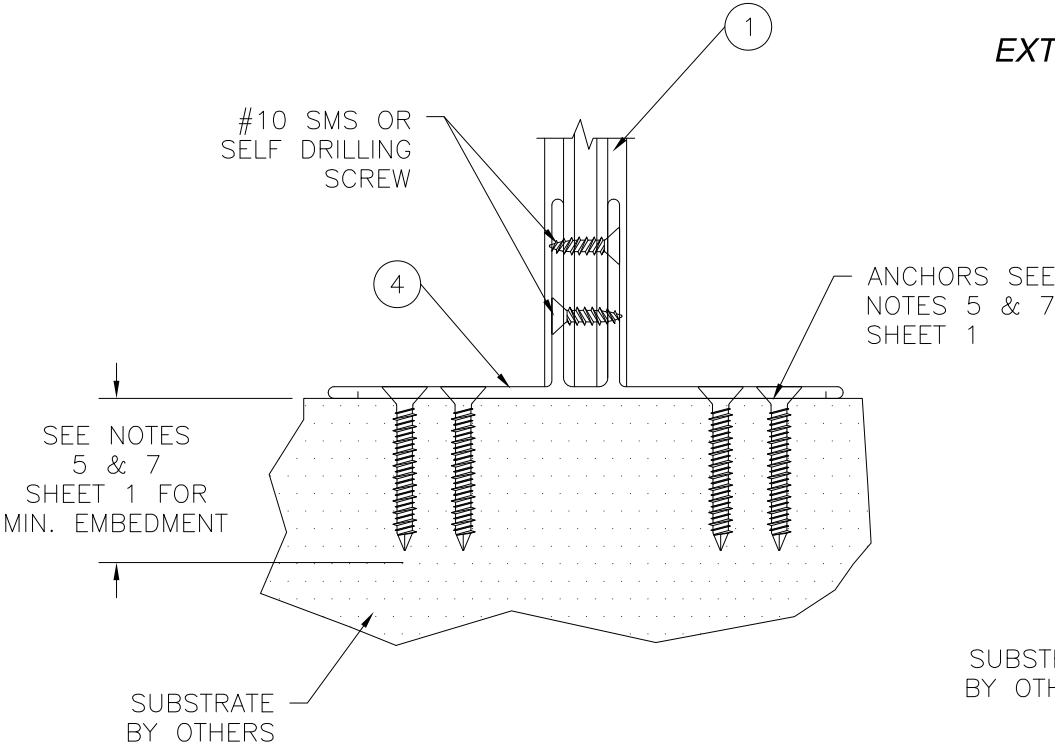
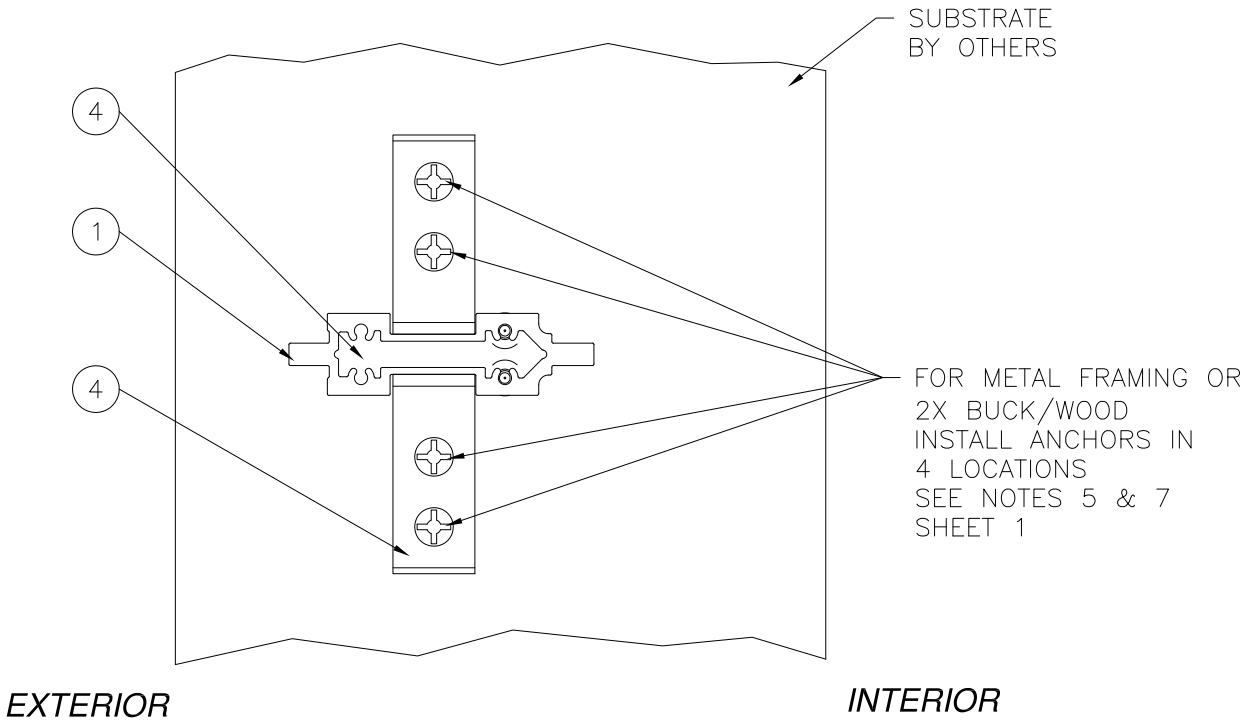
SIGNED: 08/13/2020



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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4	FS-02354	MULLION CLIP		ALUMINUM 6063-T5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



FS-02354 MULLION CLIP
INSTALLATION DETAILS
SILL AND HEAD TYP.
FOR WOOD AND METAL INSTALLATION



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN:
TJH

DWG NO.
08-00805

REV
C

SCALE
NTS

DATE
07/29/09

SHEET
5 OF 8

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

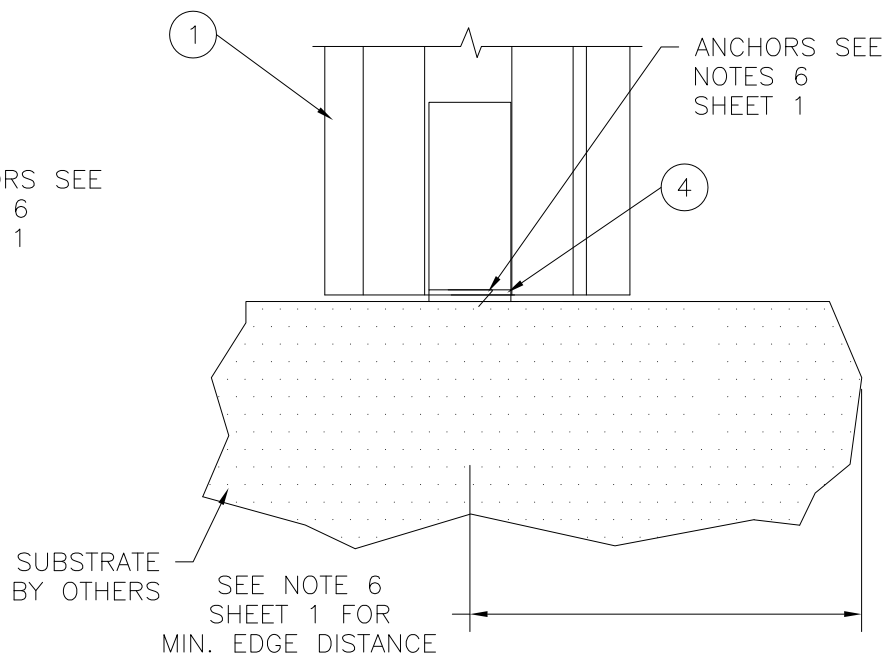
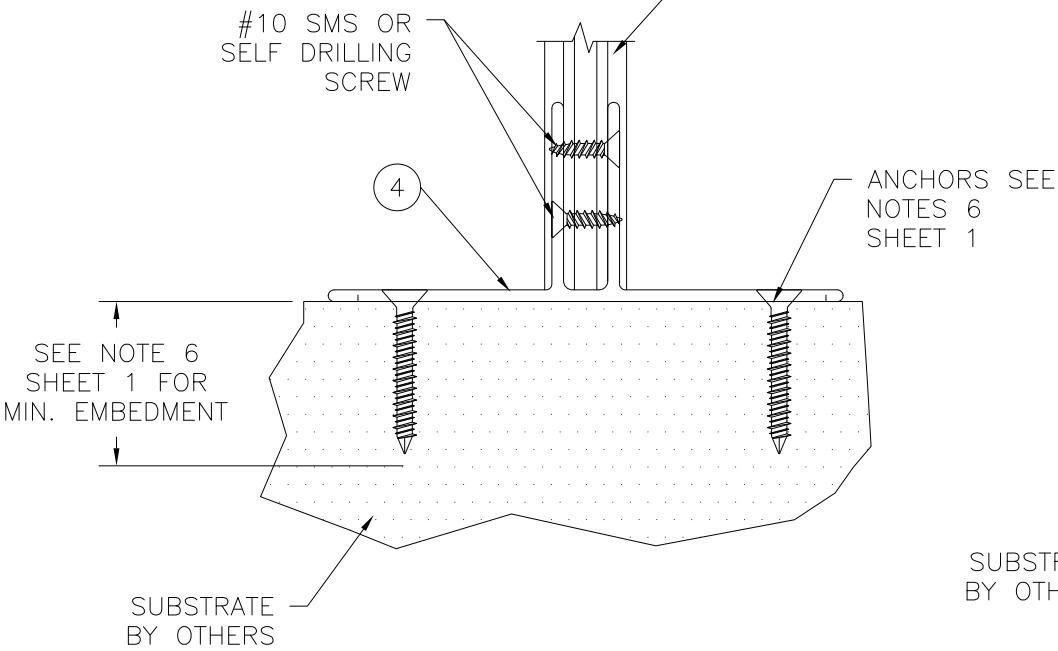
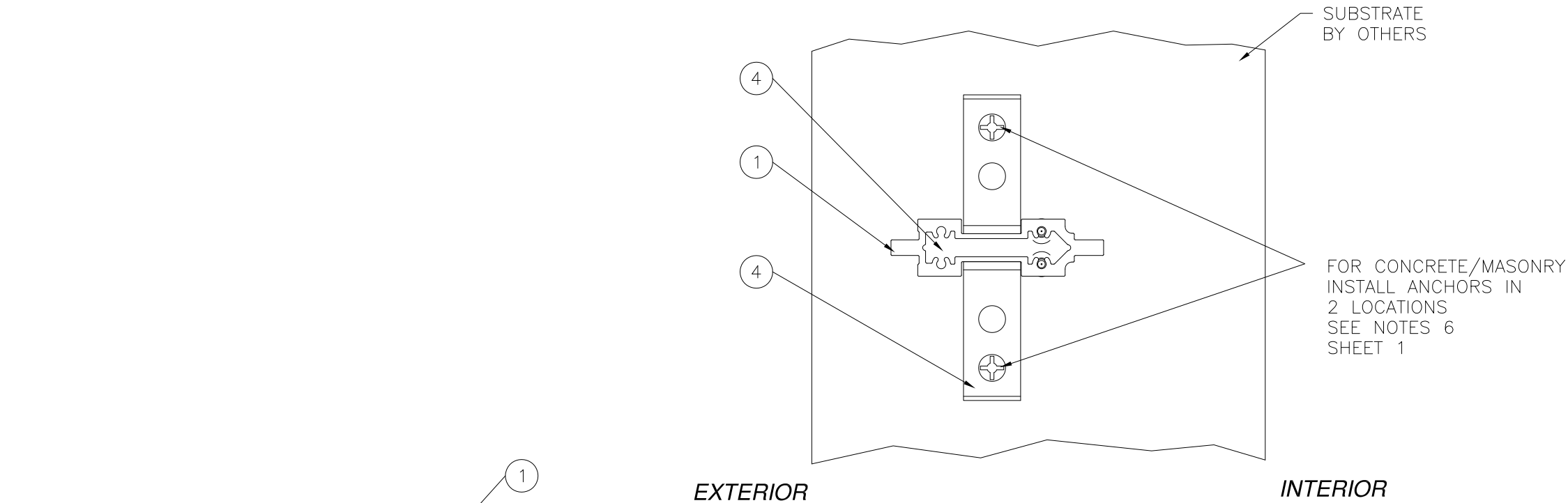
SIGNED: 08/13/2020

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4	FS-02354	MULLION CLIP		ALUMINUM 6063-T5

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



FS-02354 MULLION CLIP
INSTALLATION DETAILS
SILL AND HEAD TYP.
FOR CONCRETE/MASONRY INSTALLATION



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00805	REV C
SCALE NTS	DATE 07/29/09	SHEET 6 OF 8

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

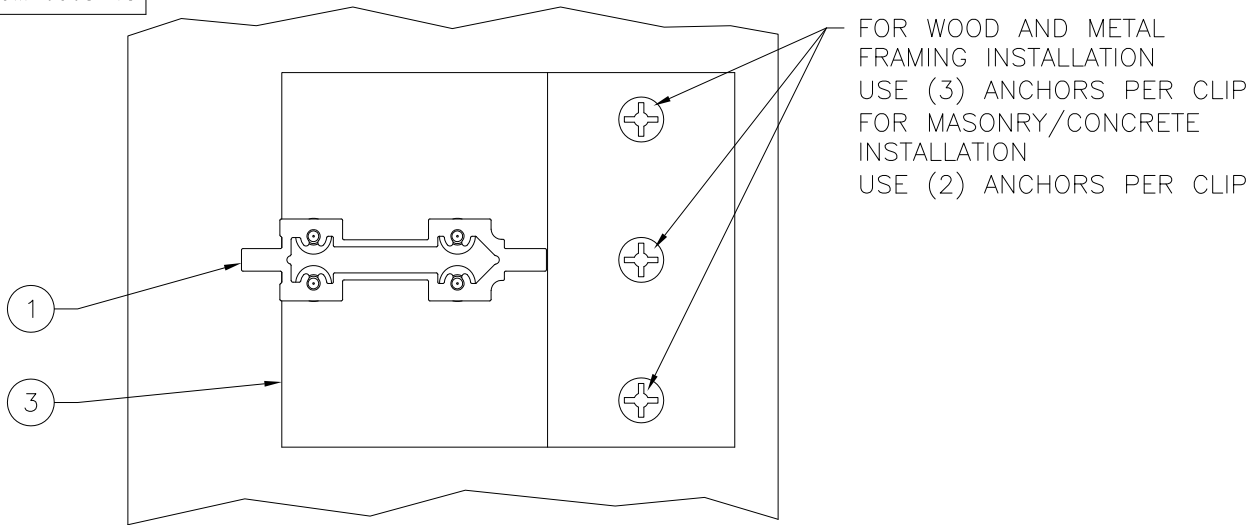
SIGNED: 08/13/2020



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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4	FS-02354	MULLION CLIP		ALUMINUM 6063-T5

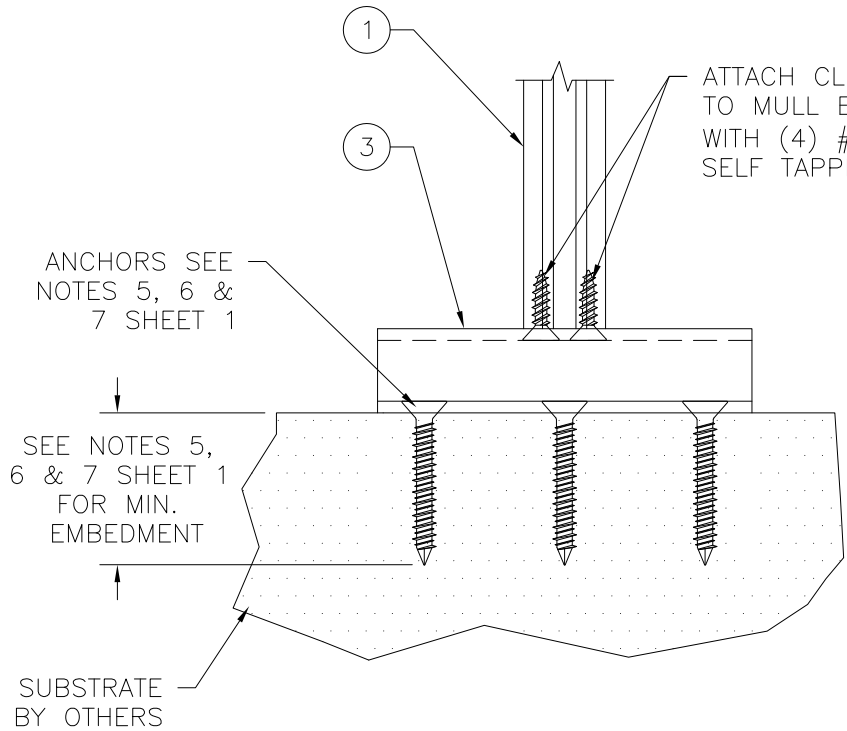
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



FOR WOOD AND METAL
FRAMING INSTALLATION
USE (3) ANCHORS PER CLIP
FOR MASONRY/CONCRETE
INSTALLATION
USE (2) ANCHORS PER CLIP

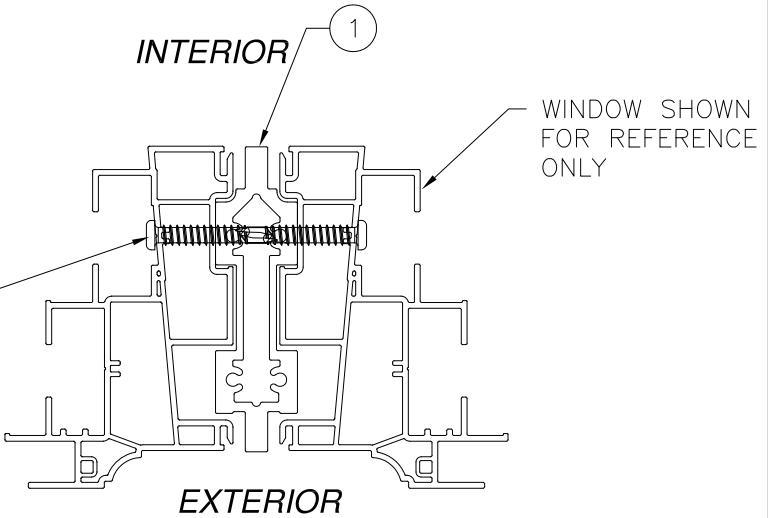
ATTACH CLIP
TO MULL ENDS
WITH (4) #8 x 3/4"
SELF TAPPING SCREWS

1X BUCK BY OTHERS,
1X BUCK TO BE
PROPERLY SECURED



**MULL CLIP 10300093
INSTALLATION DETAILS**
SILL AND HEAD TYP.

WINDOW ANCHOR
SEE INDIVIDUAL
WINDOW INSTALLATION
INSTRUCTIONS



WINDOW TO MULLION INSTALLATION DETAIL

SEE NOTES 5, 6 & 7
SHEET 1 FOR
MIN. EDGE DISTANCE

SIGNED: 08/13/2020



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

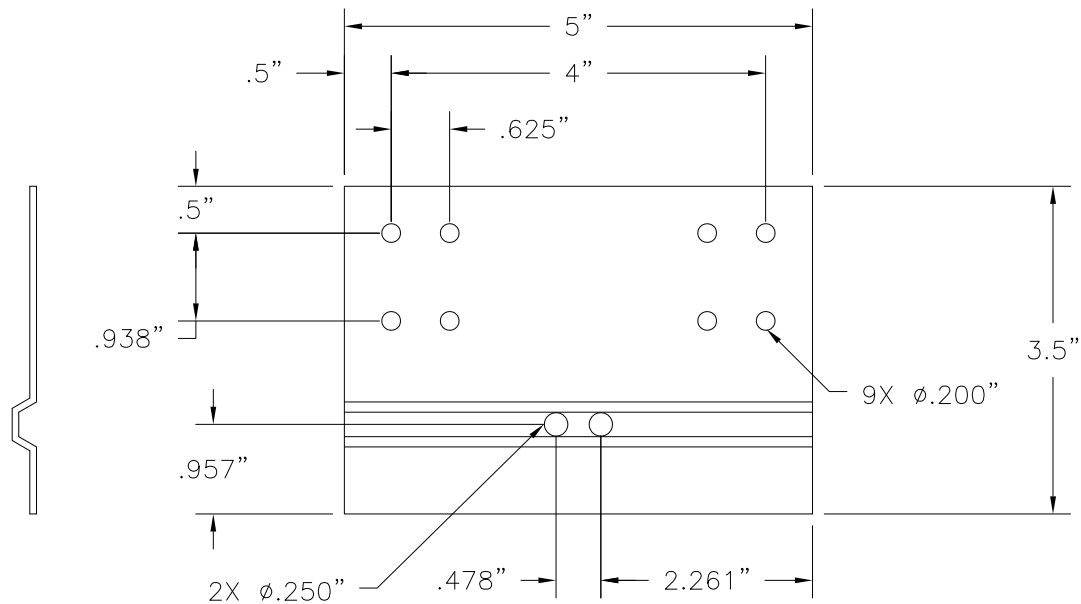
10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00805	REV C
SCALE NTS	DATE 07/29/09	SHEET 7 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

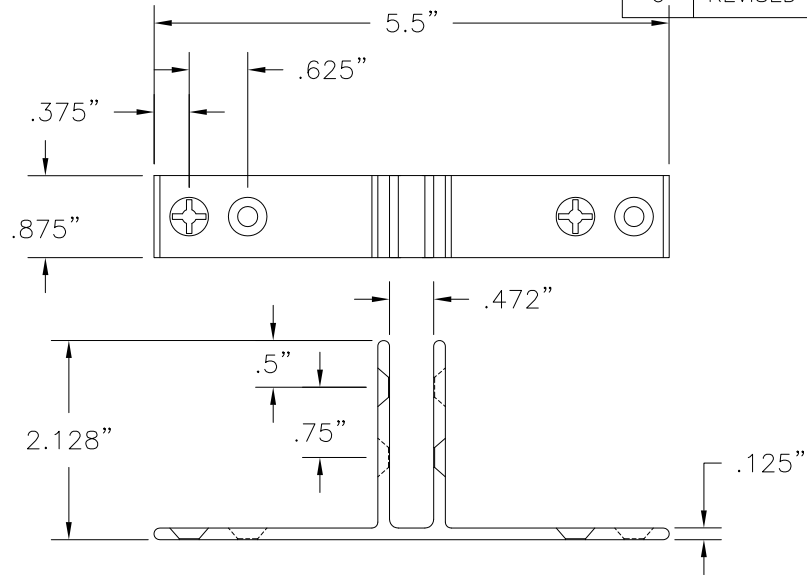


Luis R. Lomas P.E.
FL No.: 62514

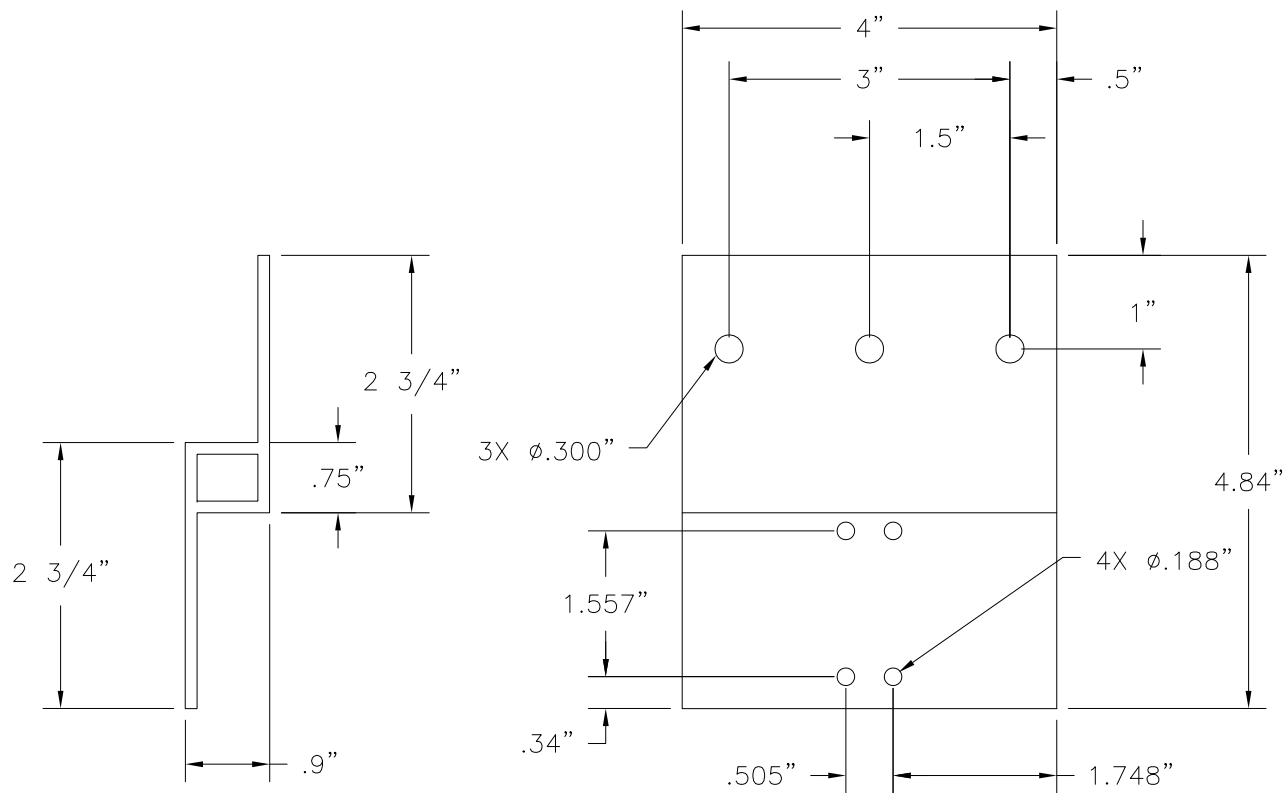
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/19/16	R.L.
B	REVISED ANCHORS	08/22/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



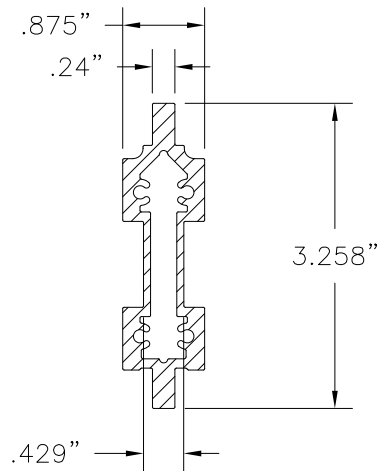
② **STEEL MULLION BRACKET**
15GA. GALVANIZED STEEL



④ **FS-02354 MULLION CLIP**
ALUMINUM 6063-T6 .125" THICK



③ **MULL CLIP**
ALUMINUM 6005-T5 .125" THICK



① **10300085 ALUMINUM VERTICAL MULLION**
ALUMINUM 6005-T5 .075" THICK MINIMUM

SIGNED: 08/13/2020



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM VERTICAL MULLION
NON REINFORCED LMI WIND ZONE 3
COMPONENTS

DRAWN: TJH	DWG NO. 08-00805	REV C
SCALE NTS	DATE 07/29/09	SHEET 8 OF 8

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



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