

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. WHEN THE PRODUCT SPECIFIED HEREIN IS INSTALLED WITHIN 3000 FEET OF A SALTWATER COASTLINE, ALL ANCHORS AND CLIPS MUST COMPLY WITH SALTWATER ENVIRONMENT CORROSION RESISTANCE REQUIREMENTS OF FBC CHAPTER 17.
10. 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
11. DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
12. 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.
13. 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.     |
| D         | CURRENT FBC                  | 08/07/26   | LMH      |

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EASTERN ARCHITECTURAL SYSTEMS  
A DIVISION OF  
CORNERSTONE BUILDING BRANDS

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 D

SCALE NTS

DATE 07/29/09

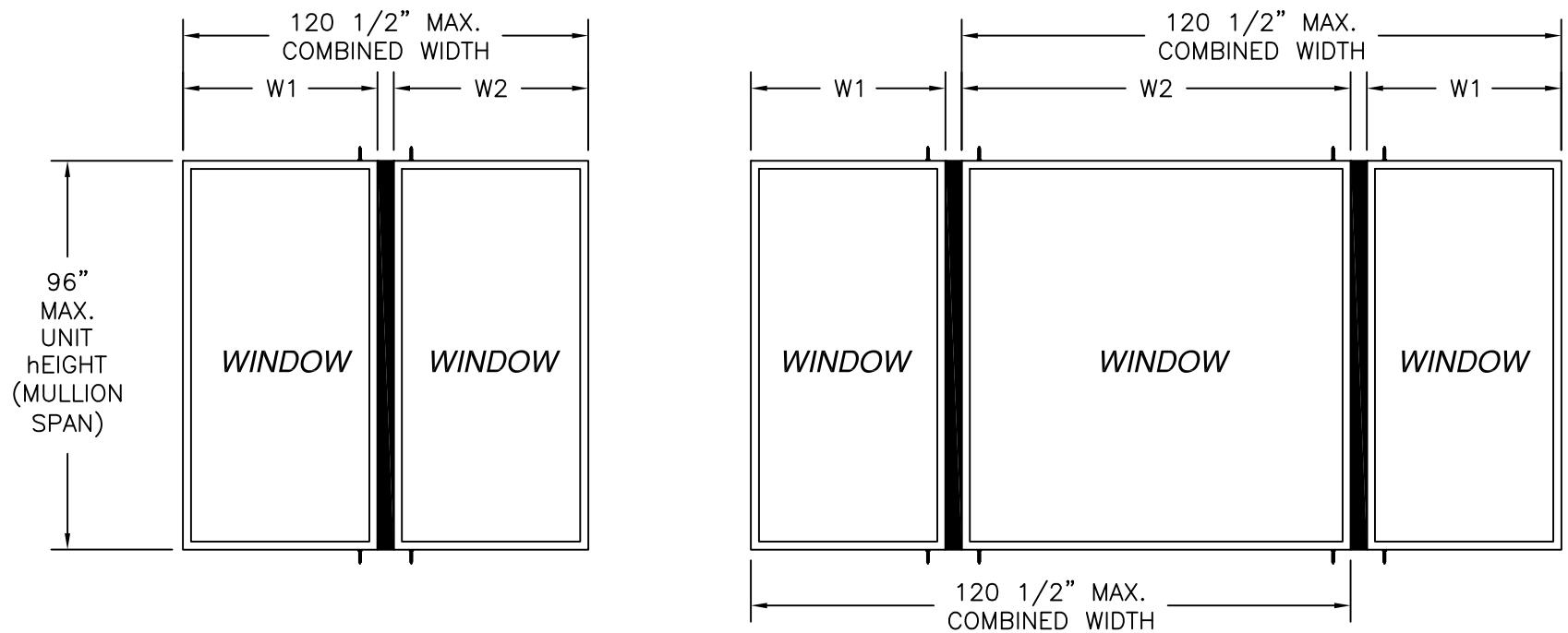
SHEET 1 OF 8

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

SIGNED: 08/07/2026

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

FL 14632



| REVISIONS |                              |            |          |
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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.

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



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

DRAWN: TJH

DWG NO. 08-00805

REV D

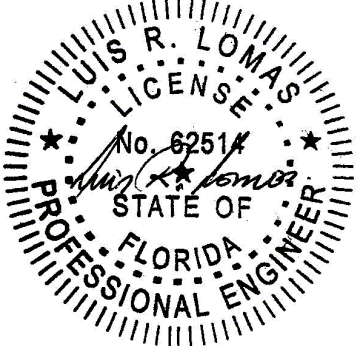
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DATE 07/29/09

SHEET 2 OF 8

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

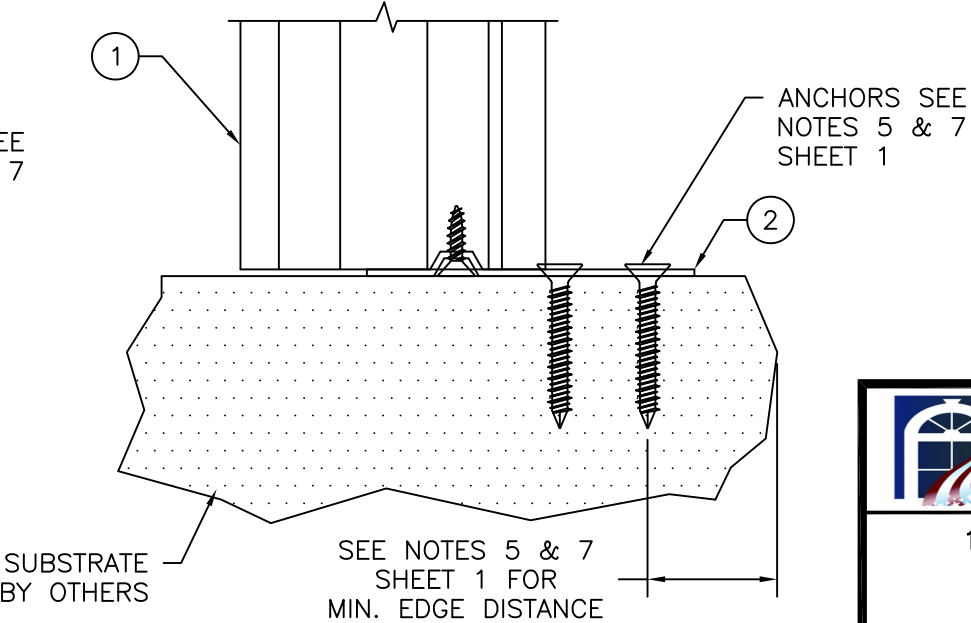
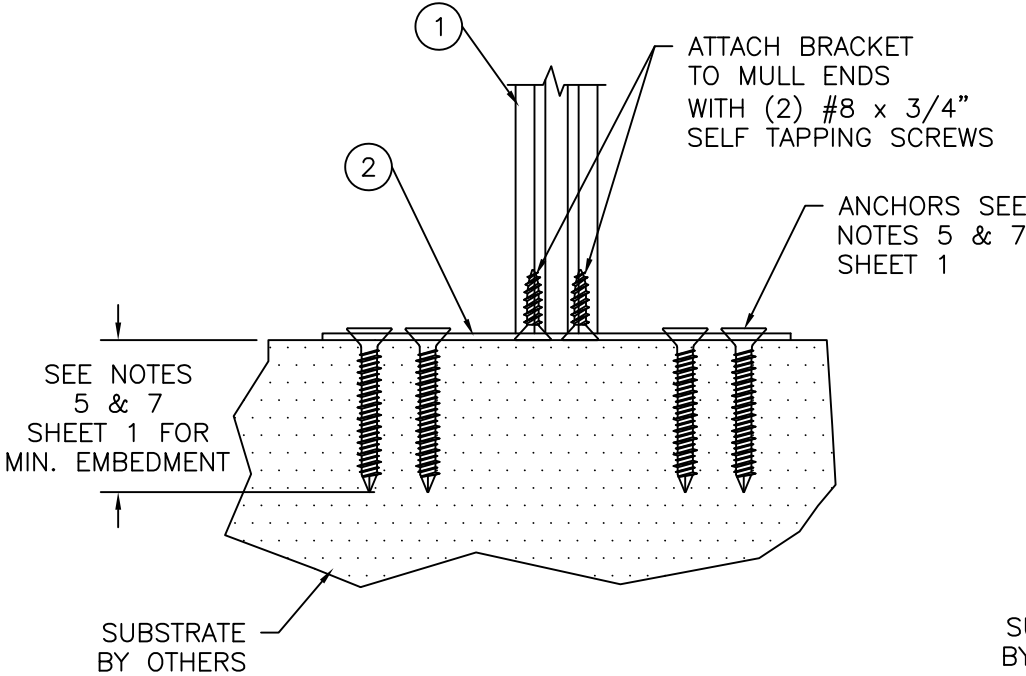
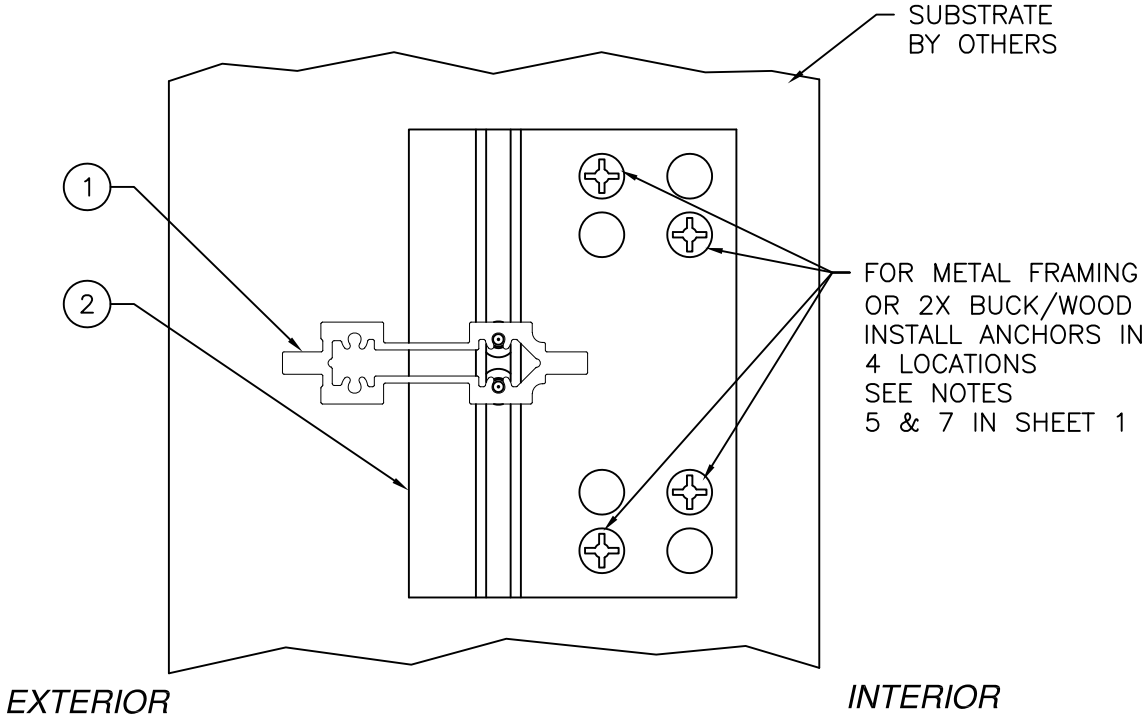
SIGNED: 08/07/2026



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



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

DRAWN:  
TJH

DWG NO.  
08-00805

REV  
D

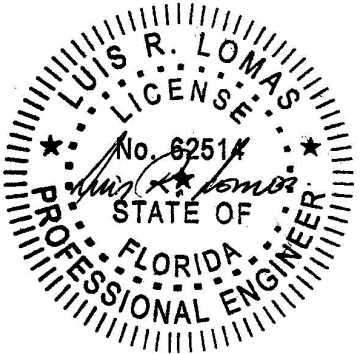
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SHEET  
3 OF 8

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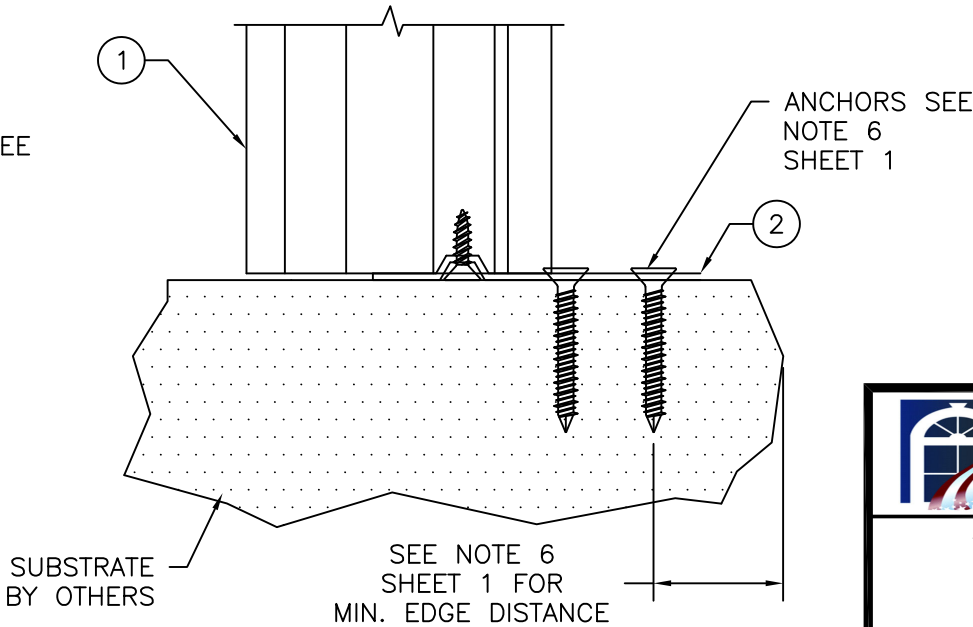
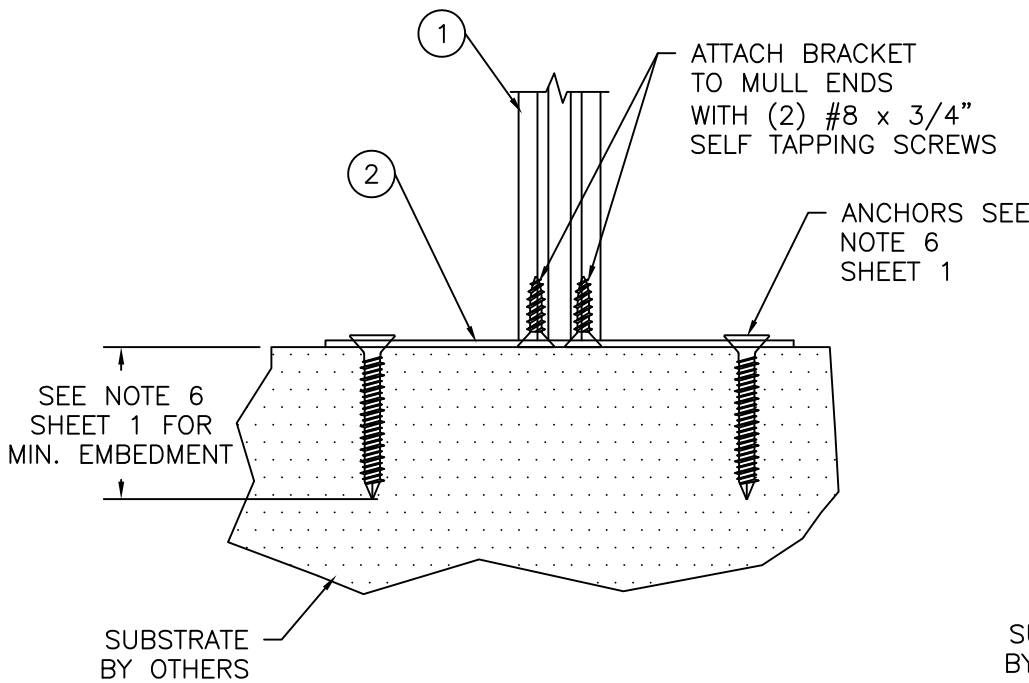
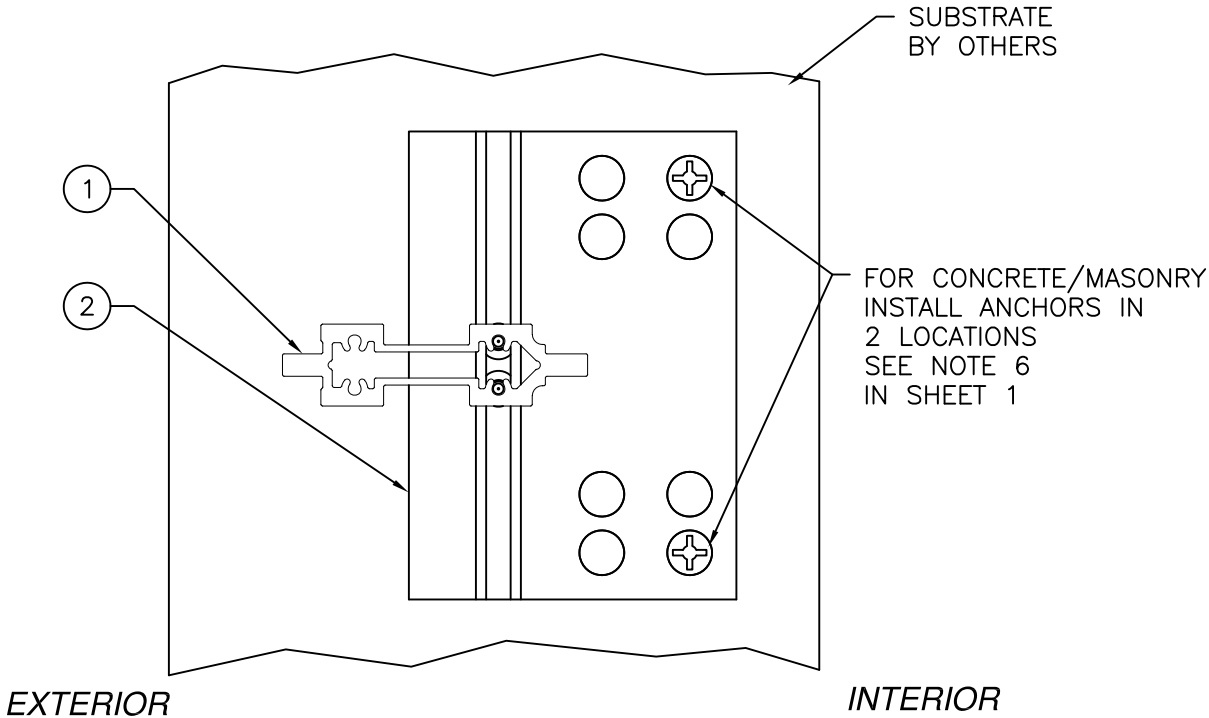
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| 3          | 10300093    | MULL CLIP                   | DECEUNINCK   | ALUMINUM 6005-T5 |
| 4          | FS-02354    | MULLION CLIP                |              | ALUMINUM 6063-T5 |

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



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**NON REINFORCED LMI WIND ZONE 3**  
**INSTALLATION DETAILS**

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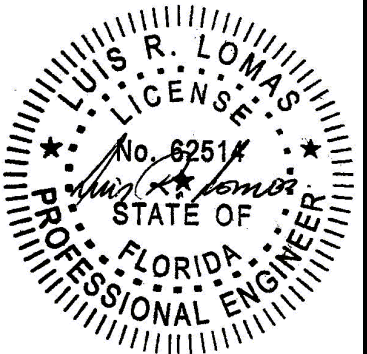
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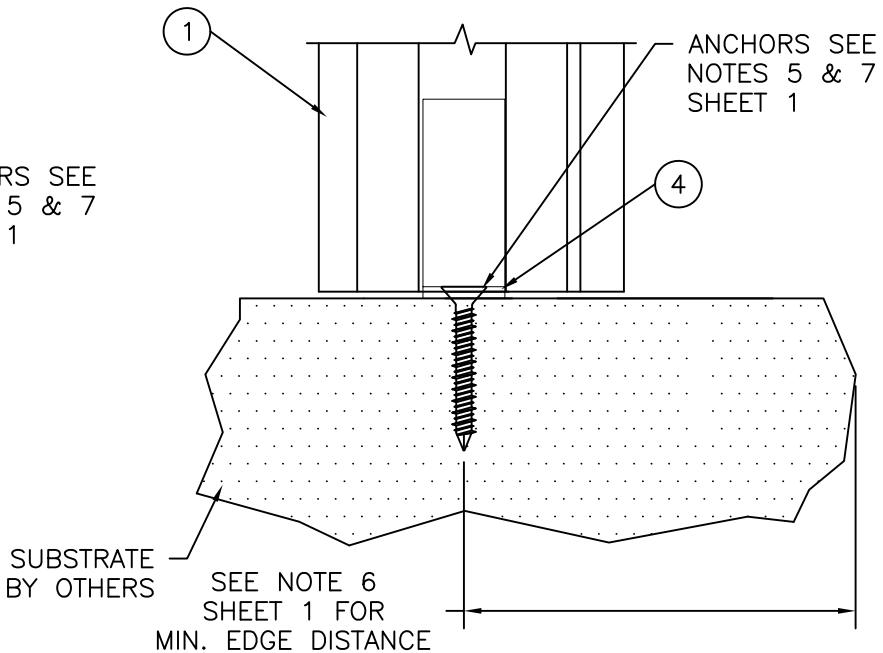
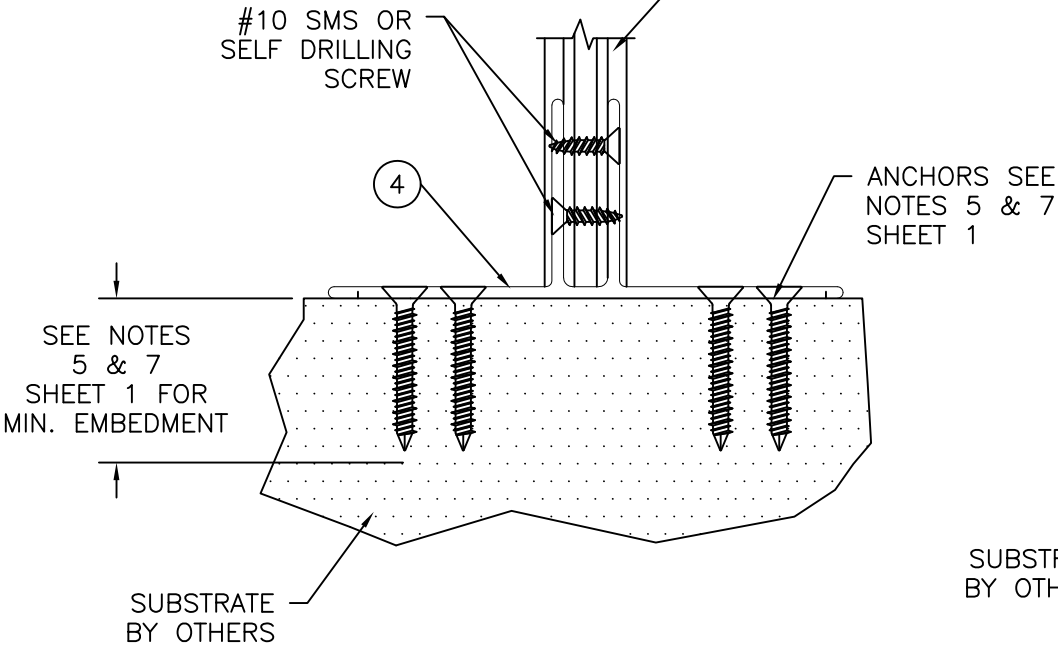
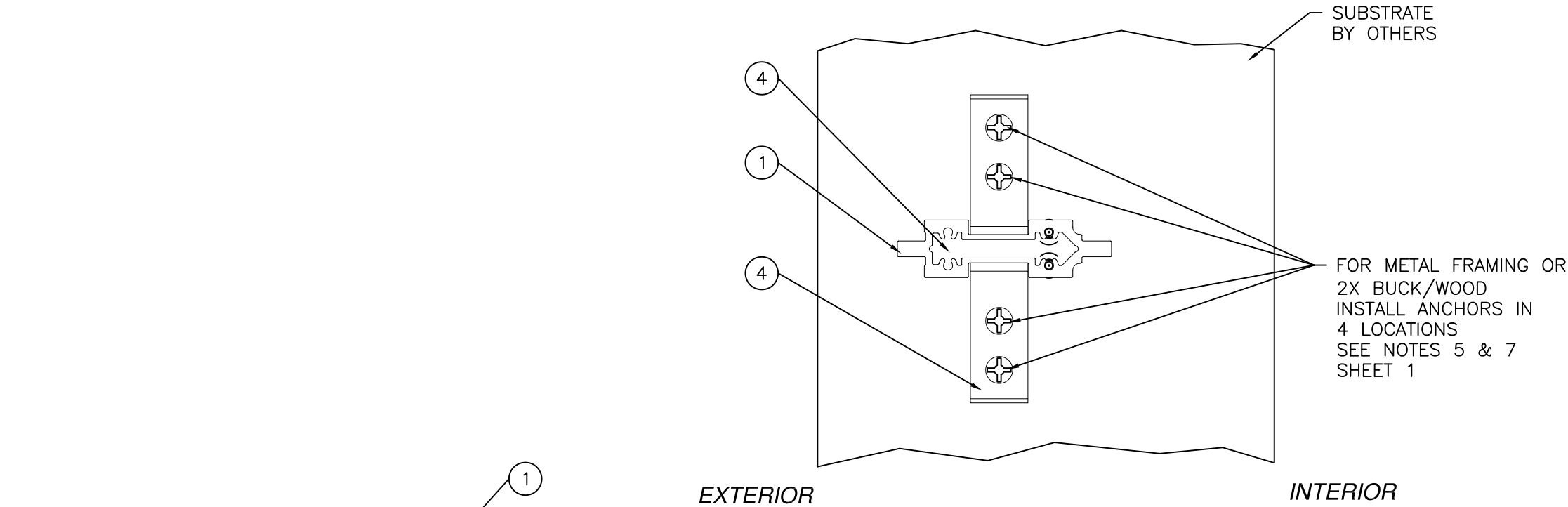
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| 3          | 10300093    | MULL CLIP                   | DECEUNINCK   | ALUMINUM 6005-T5 |
| 4          | FS-02354    | MULLION CLIP                |              | ALUMINUM 6063-T5 |

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



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

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08-00805

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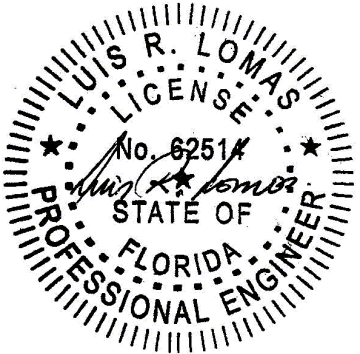
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5 OF 8

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434-688-0609 rllomas@lrlomaspe.com

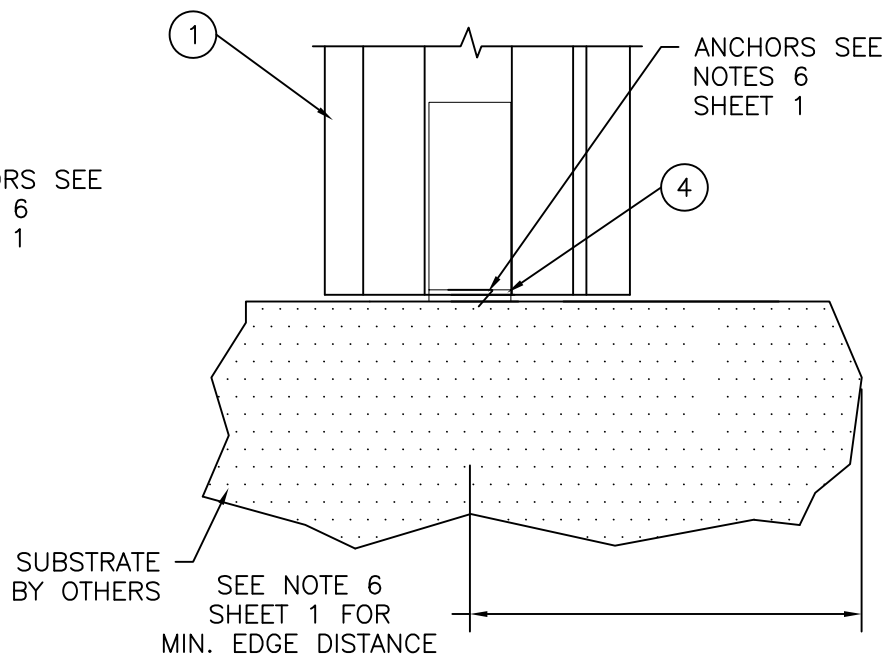
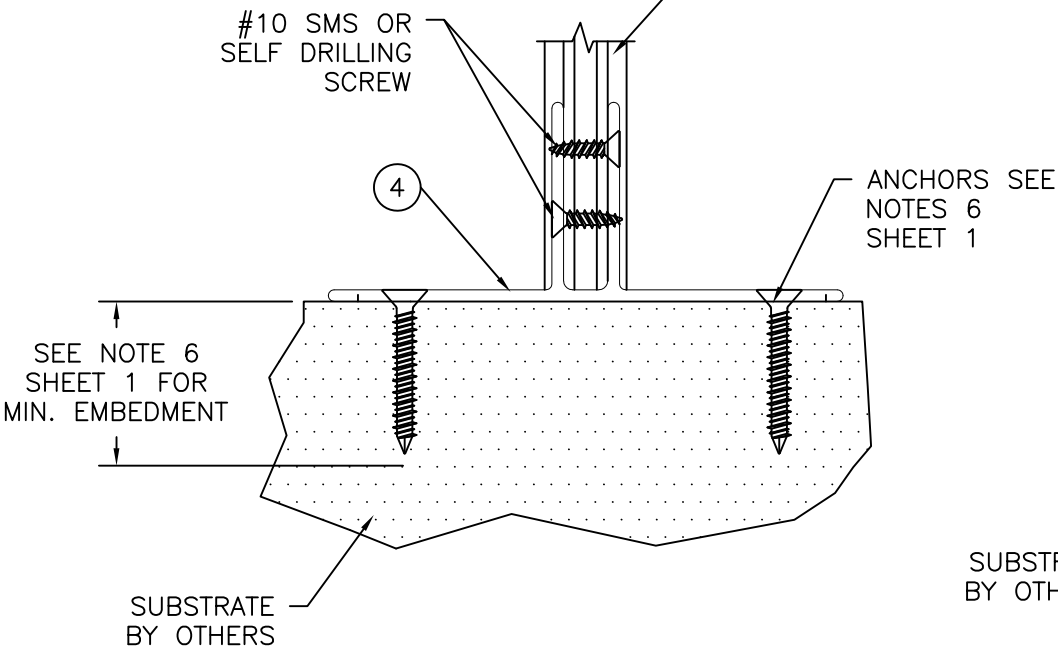
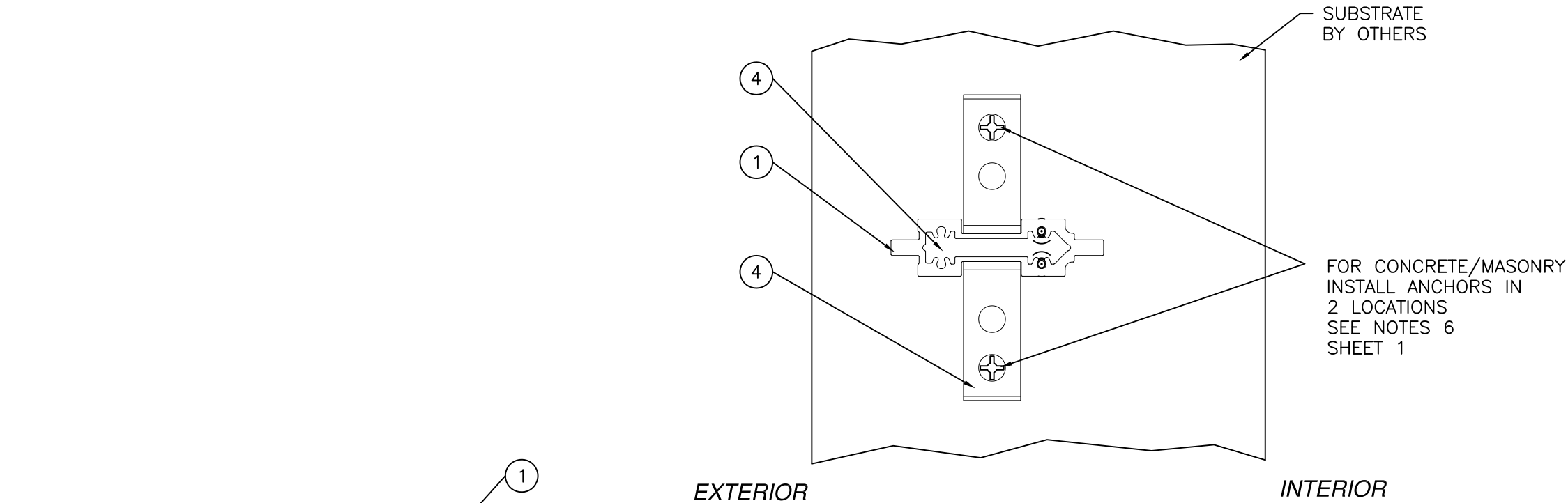
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**FS-02354 MULLION CLIP  
INSTALLATION DETAILS**

SILL AND HEAD TYP.  
FOR CONCRETE/MASONRY INSTALLATION

FL 14632



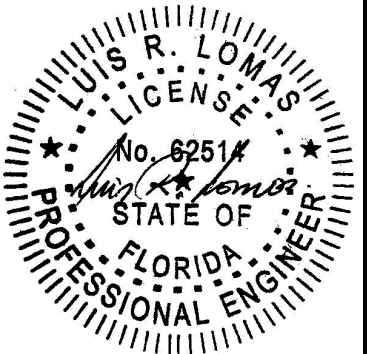
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FORT MYERS, FL 33912  
800-432-2204

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

|               |                     |                 |
|---------------|---------------------|-----------------|
| DRAWN:<br>TJH | DWG NO.<br>08-00805 | REV<br>D        |
| SCALE<br>NTS  | DATE<br>07/29/09    | SHEET<br>6 OF 8 |

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208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

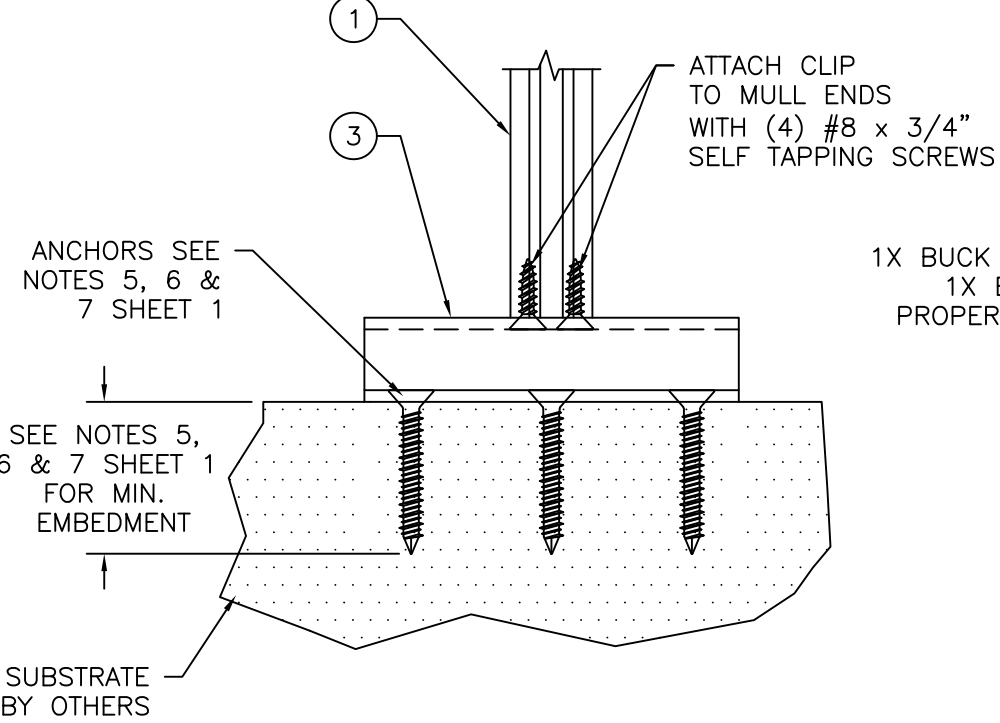
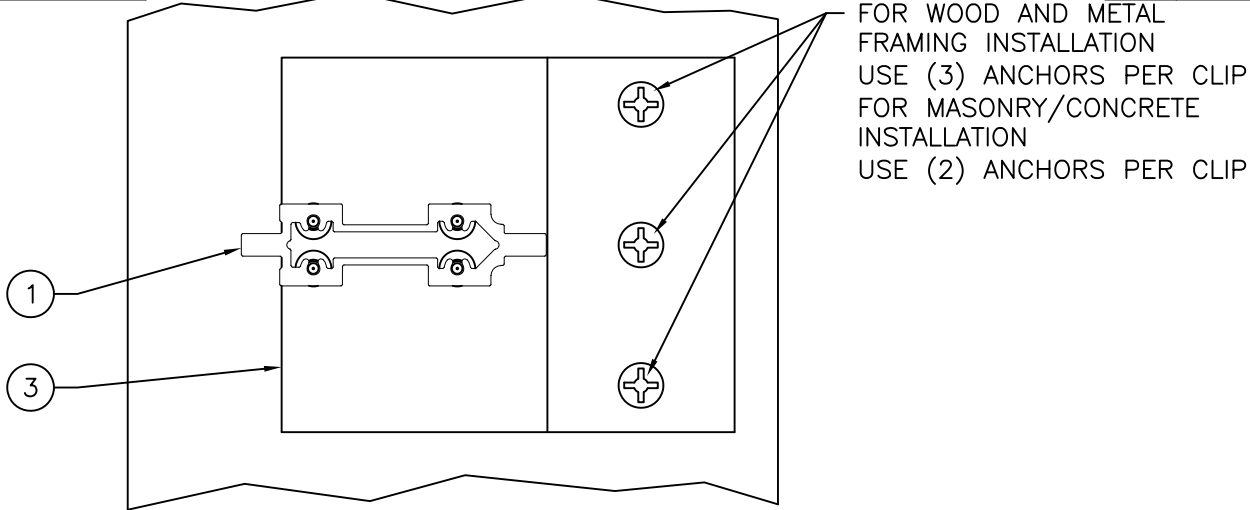
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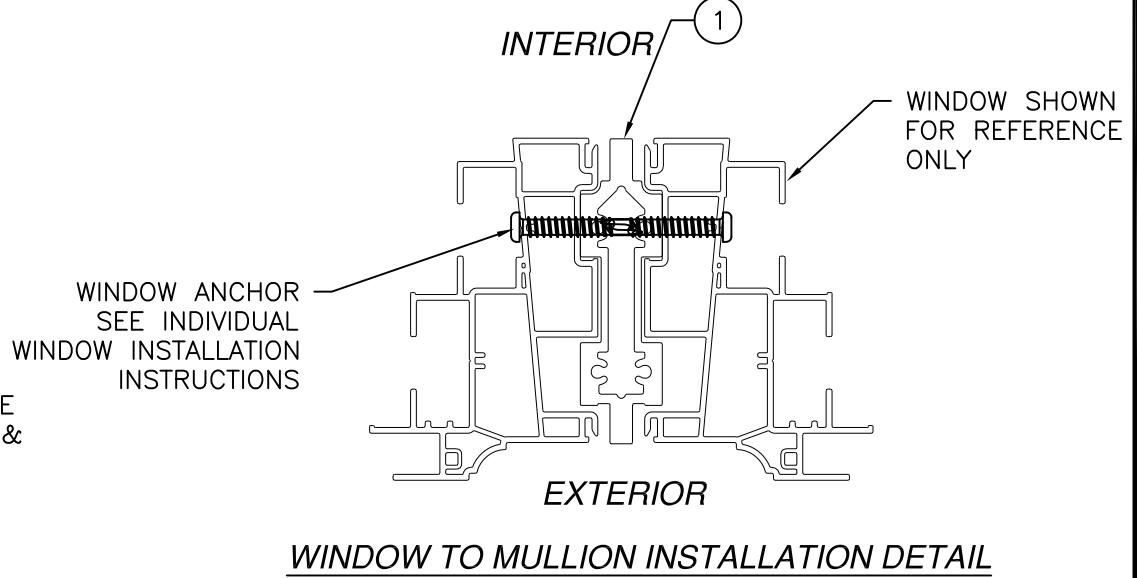
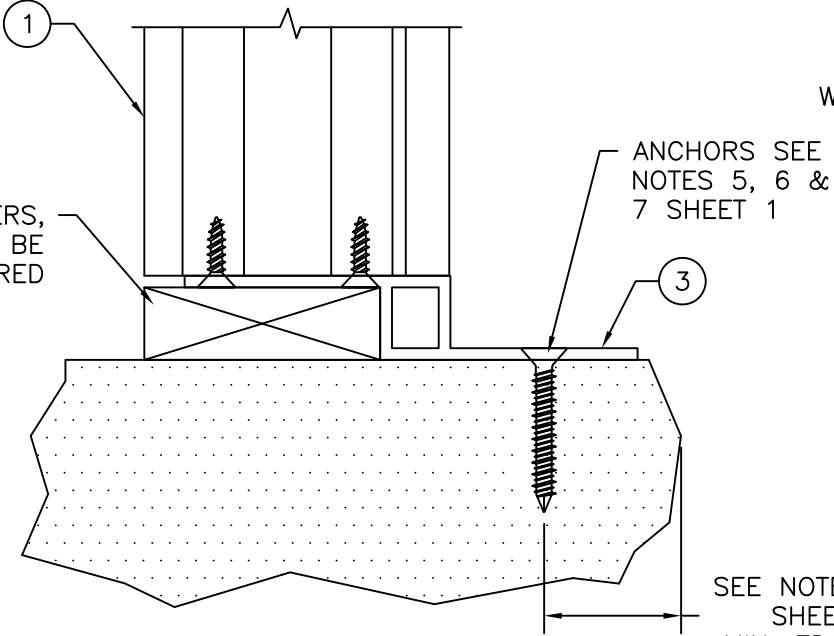
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| D         | CURRENT FBC                  | 08/07/26   | LMH      |



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



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

SIGNED: 08/07/2026



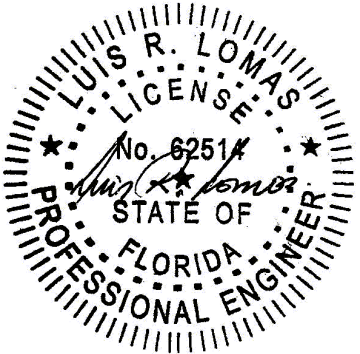
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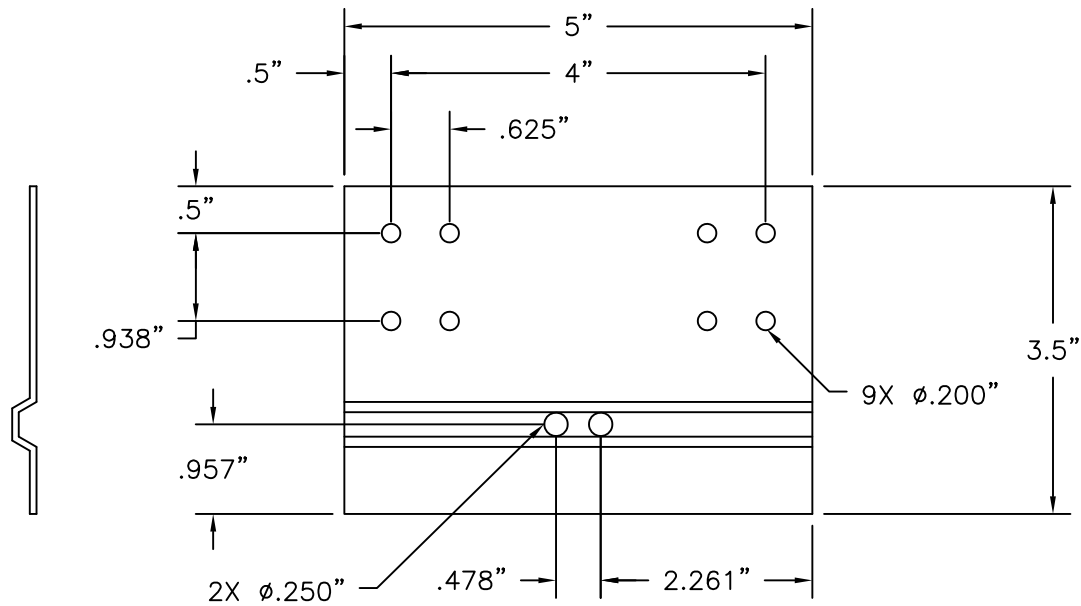
10300085 ALUMINUM VERTICAL MULLION  
NON REINFORCED LMI WIND ZONE 3  
INSTALLATION DETAILS

|               |                     |                 |
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| DRAWN:<br>TJH | DWG NO.<br>08-00805 | REV<br>D        |
| SCALE<br>NTS  | DATE<br>07/29/09    | SHEET<br>7 OF 8 |

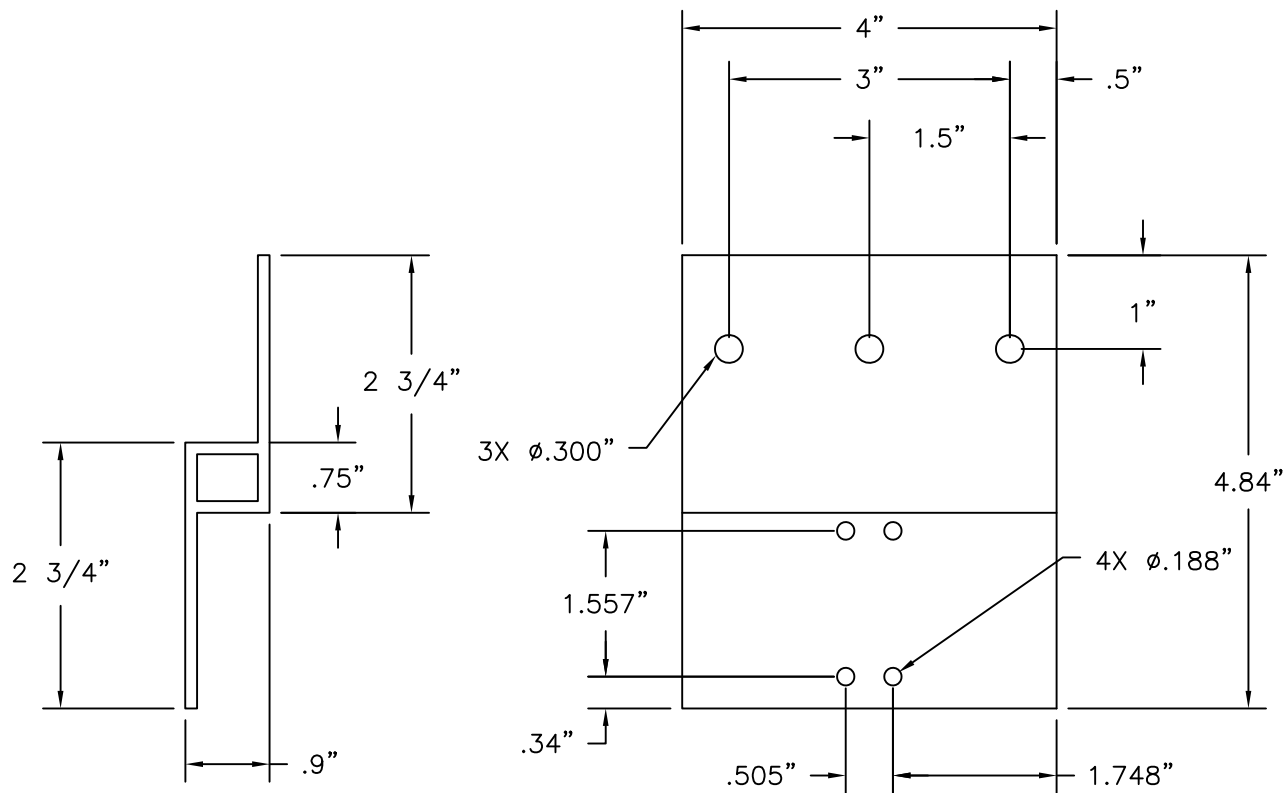
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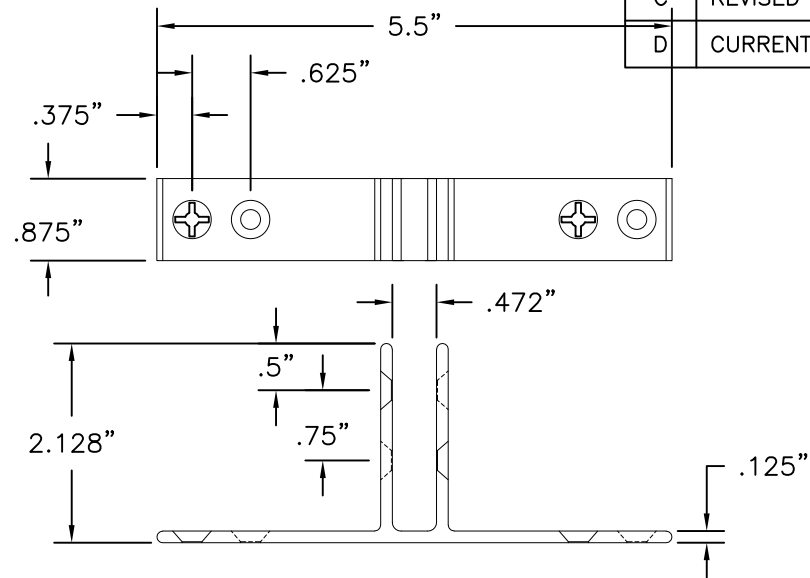
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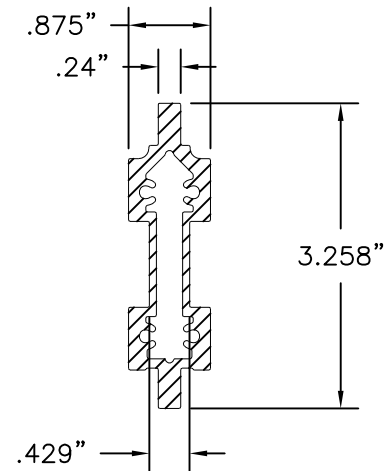
② **STEEL MULLION BRACKET**  
15GA. GALVANIZED STEEL



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



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



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

| 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.     |
| D         | CURRENT FBC                  | 08/07/26   | LMH      |

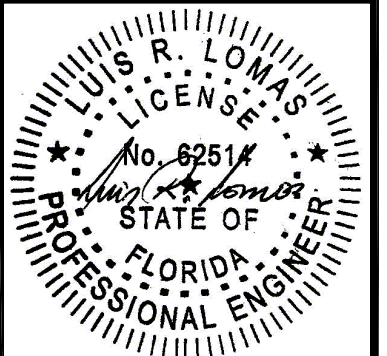


EASTERN ARCHITECTURAL SYSTEMS  
A DIVISION OF  
CORNERSTONE BUILDING BRANDS  
16341 DOMESTIC AVE  
FORT MYERS, FL 33912  
800-432-2204

**10300085 ALUMINUM VERTICAL MULLION**  
NON REINFORCED LMI WIND ZONE 3  
COMPONENTS

|                                                                                                            |                     |                 |
|------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| DRAWN:<br>TJH                                                                                              | DWG NO.<br>08-00805 | REV<br>D        |
| SCALE<br>NTS                                                                                               | DATE<br>07/29/09    | SHEET<br>8 OF 8 |
| <p>L. ROBERTO LOMAS P.E.<br/>208 7th Ave, INDIALANTIC, FL 32903<br/>434-688-0609 rllomas@lrlomaspe.com</p> |                     |                 |

SIGNED: 08/07/2026



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