

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/12/16	R.L.
B	REVISED ANCHORS	09/19/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	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. 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. GROUT FILLED.
 - D. METAL STRUCTURE: STEEL 16GA (.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.

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

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

10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
NOTES

DRAWN: TJH

DWG NO. 08-00809

REV C

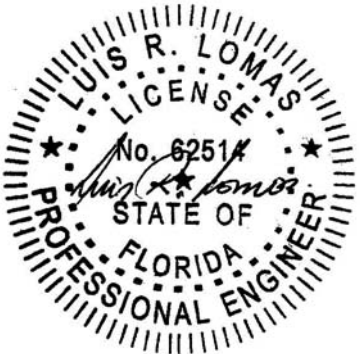
SCALE NTS

DATE 07/30/09

SHEET 1 OF 9

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

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Maximum design pressure capacity chart (psf)
Units with a transom height of: 18"

Design pressures are positive and negative

Height (in)		Unit width (in)							
Window	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
24.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.0
30.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	148.4	129.6
36.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	139.5	120.9
42.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	133.8	115.0
48.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	130.6	111.1
54.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.8
60.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.1
66.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.1
72.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.1
78.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.1
84.0	18.0	150.0	150.0	150.0	150.0	150.0	150.0	129.6	108.1

IMPACT RATED UP TO WIND ZONE 3

Maximum design pressure capacity chart (psf)
Units with a transom height of: 24"

Design pressures are positive and negative

Height (in)		Unit width (in)							
Window	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
24.0	24.0	150.0	150.0	150.0	150.0	150.0	150.0	145.8	127.6
30.0	24.0	150.0	150.0	150.0	150.0	150.0	150.0	134.9	117.5
36.0	24.0	150.0	150.0	150.0	150.0	150.0	150.0	127.6	110.3
42.0	24.0	150.0	150.0	150.0	150.0	150.0	147.1	122.8	105.3
48.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	120.1	102.0
54.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	100.2
60.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	99.6
66.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	99.6
72.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	99.6
78.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	99.6
84.0	24.0	150.0	150.0	150.0	150.0	150.0	145.8	119.2	99.6

IMPACT RATED UP TO WIND ZONE 3

Maximum design pressure capacity chart (psf)
Units with a transom height of: 30"

Design pressures are positive and negative

Height (in)		Unit width (in)							
Window	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
24.0	30.0	150.0	150.0	150.0	150.0	150.0	150.0	134.9	117.5
30.0	30.0	150.0	150.0	150.0	150.0	150.0	148.4	125.6	108.8
36.0	30.0	150.0	150.0	150.0	150.0	150.0	142.0	119.2	102.7
42.0	30.0	150.0	150.0	150.0	150.0	150.0	138.4	115.0	98.4
48.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	112.6	95.5
54.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.8
60.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.3
66.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.3
72.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.3
78.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.3
84.0	30.0	150.0	150.0	150.0	150.0	150.0	137.2	111.8	93.3

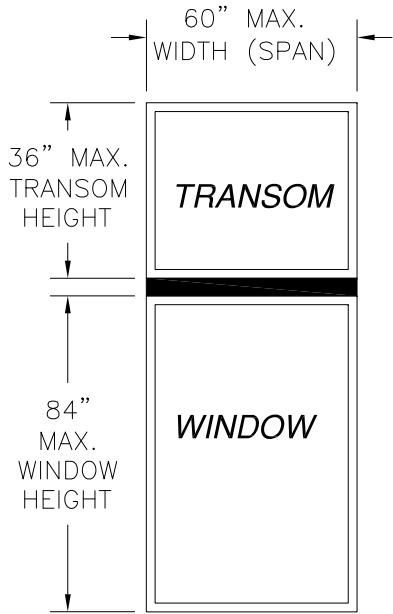
IMPACT RATED UP TO WIND ZONE 3

Maximum design pressure capacity chart (psf)
Units with a transom height of: 36"

Design pressures are positive and negative

Height (in)		Unit width (in)							
Window	Transom	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0
24.0	36.0	150.0	150.0	150.0	150.0	150.0	150.0	127.6	110.3
30.0	36.0	150.0	150.0	150.0	150.0	150.0	142.0	119.2	102.7
36.0	36.0	150.0	150.0	150.0	150.0	150.0	136.1	113.4	97.2
42.0	36.0	150.0	150.0	150.0	150.0	150.0	132.7	109.6	93.3
48.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	107.4	90.7
54.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	89.2
60.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	88.7
66.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	88.7
72.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	88.7
78.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	88.7
84.0	36.0	150.0	150.0	150.0	150.0	150.0	131.7	106.7	88.7

IMPACT RATED UP TO WIND ZONE 3



10300085 ALUMINUM HORIZONTAL MULLION
REINFORCED LMI WIND ZONE 3

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 T MULLION
REINFORCED LMI WIND ZONE 3
DP CHARTS SINGLE W/TRANSOM

DRAWN:
TJH

DWG NO.
08-00809

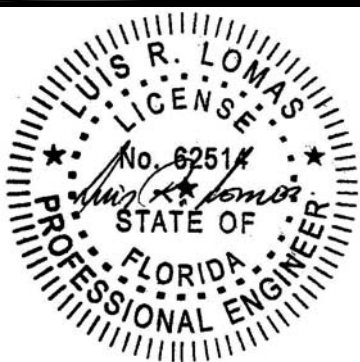
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SCALE
NTS

DATE
07/30/09

SHEET
2 OF 9

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



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

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Maximum design pressure capacity chart (psf)

Units with transom height of: 18 in

Design pressures are positive and negative

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	106.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	53.00
24.00	18.00	150.0	150.0	142.0	114.2	74.1	49.2	36.4
30.00	18.00	150.0	150.0	129.6	103.3	65.6	43.5	32.1
36.00	18.00	150.0	150.0	120.1	95.5	59.1	39.1	28.8
42.00	18.00	150.0	147.1	111.8	87.4	54.1	35.7	26.3
48.00	18.00	150.0	137.2	104.7	80.6	49.9	32.9	24.2
54.00	18.00	150.0	128.6	98.4	74.7	46.3	30.6	22.5
60.00	18.00	150.0	120.9	92.8	69.7	43.2	28.6	21.0
66.00	18.00	150.0	114.2	87.8	65.2	40.5	26.8	19.7
72.00	18.00	150.0	108.1	83.3	61.4	38.2	25.3	18.6
78.00	18.00	143.2	102.7	79.3	57.9	36.0	23.9	17.6
84.00	18.00	136.1	97.8	75.6	54.8	34.1	22.6	16.7

IMPACT RATED UP TO WIND ZONE 3

Maximum design pressure capacity chart (psf)

Units with transom height of: 24 in

Design pressures are positive and negative

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	106.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	53.00
24.00	24.00	150.0	150.0	127.6	102.0	65.4	43.4	32.1
30.00	24.00	150.0	150.0	117.5	93.3	58.7	38.9	28.7
36.00	24.00	150.0	145.8	109.6	86.5	53.5	35.4	26.1
42.00	24.00	150.0	136.1	102.7	79.8	49.3	32.5	23.9
48.00	24.00	150.0	127.6	96.6	74.0	45.8	30.2	22.2
54.00	24.00	150.0	120.1	91.2	69.1	42.8	28.2	20.7
60.00	24.00	150.0	113.4	86.4	64.7	40.1	26.5	19.5
66.00	24.00	150.0	107.4	82.0	60.9	37.8	25.0	18.4
72.00	24.00	144.5	102.0	78.1	57.5	35.7	23.6	17.4
78.00	24.00	137.2	97.2	74.6	54.5	33.9	22.4	16.5
84.00	24.00	130.6	92.8	71.3	51.7	32.2	21.3	15.7

IMPACT RATED UP TO WIND ZONE 3

Maximum design pressure capacity chart (psf)

Units with transom height of: 30 in

Design pressures are positive and negative

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	106.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	53.00
24.00	30.00	150.0	150.0	117.5	93.3	58.9	39.0	28.8
30.00	30.00	150.0	147.1	108.8	85.9	53.4	35.3	26.0
36.00	30.00	150.0	137.2	102.0	79.5	49.0	32.4	23.8
42.00	30.00	150.0	128.6	96.0	73.8	45.5	30.0	22.0
48.00	30.00	150.0	120.9	90.7	68.9	42.5	28.0	20.6
54.00	30.00	150.0	114.2	85.9	64.6	39.9	26.3	19.3
60.00	30.00	150.0	108.1	81.6	60.7	37.6	24.8	18.2
66.00	30.00	148.4	102.7	77.7	57.4	35.5	23.5	17.2
72.00	30.00	140.8	97.8	74.2	54.3	33.7	22.3	16.4
78.00	30.00	133.8	93.3	71.0	51.6	32.0	21.2	15.6
84.00	30.00	127.6	89.2	68.0	49.1	30.5	20.2	-

IMPACT RATED UP TO WIND ZONE 3

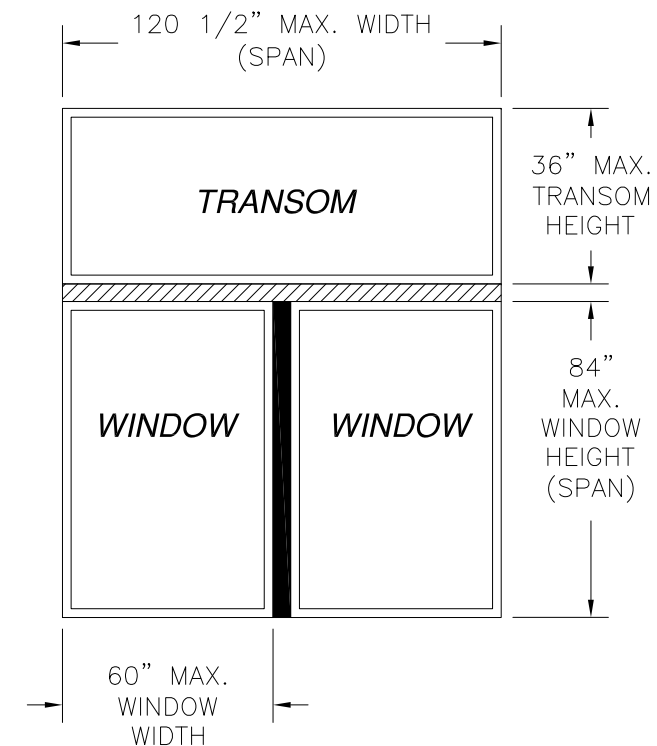
Maximum design pressure capacity chart (psf)

Units with transom height of: 36 in

Design pressures are positive and negative

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	106.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	53.00
24.00	36.00	150.0	150.0	110.3	86.8	53.9	35.6	26.2
30.00	36.00	150.0	140.8	102.7	80.0	49.3	32.5	23.9
36.00	36.00	150.0	131.7	96.6	74.1	45.5	30.0	22.0
42.00	36.00	150.0	123.7	91.2	69.1	42.5	27.9	20.5
48.00	36.00	150.0	116.6	86.4	64.8	39.8	26.2	19.2
54.00	36.00	150.0	110.3	82.0	60.9	37.5	24.7	18.1
60.00	36.00	150.0	104.7	78.1	57.5	35.5	23.4	17.1
66.00	36.00	147.1	99.6	74.6	54.5	33.6	22.2	16.3
72.00	36.00	139.5	94.9	71.3	51.8	32.0	21.1	15.5
78.00	36.00	132.7	90.7	68.3	49.3	30.5	20.1	-
84.00	36.00	126.6	86.8	65.6	47.0	29.1	19.2	-

IMPACT RATED UP TO WIND ZONE 3



10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3

SIGNED: 08/13/2020



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

10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
DP CHARTS TWIN W/TRANSOM

DRAWN:
TJH

DWG NO.
08-00809

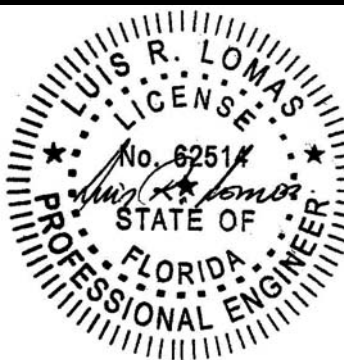
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SCALE NTS

DATE 07/30/09

SHEET 3 OF 9

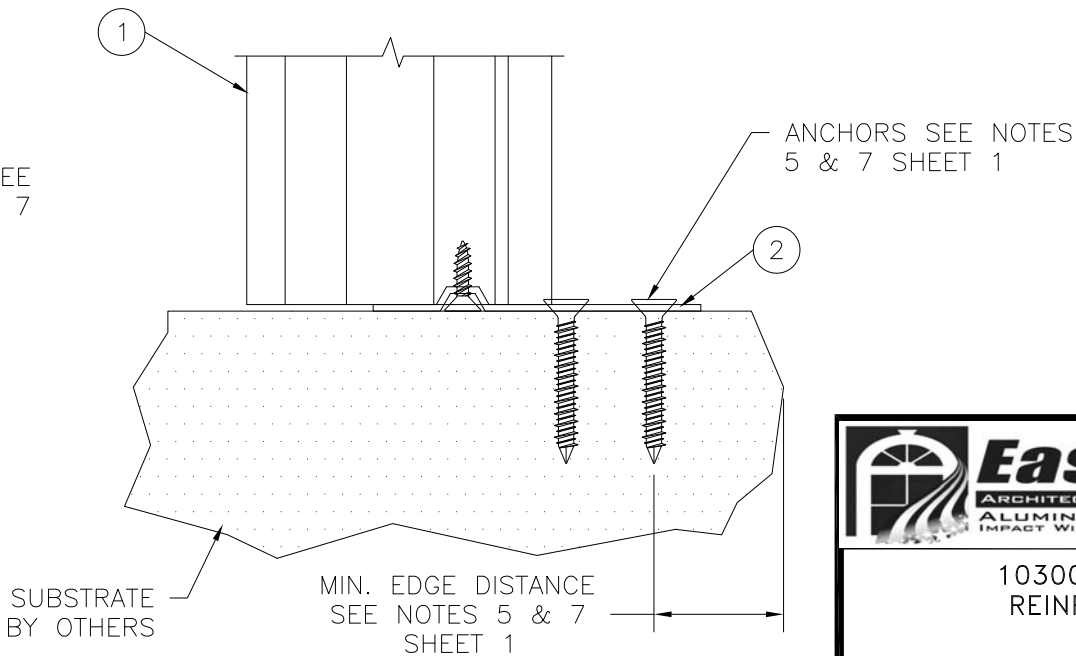
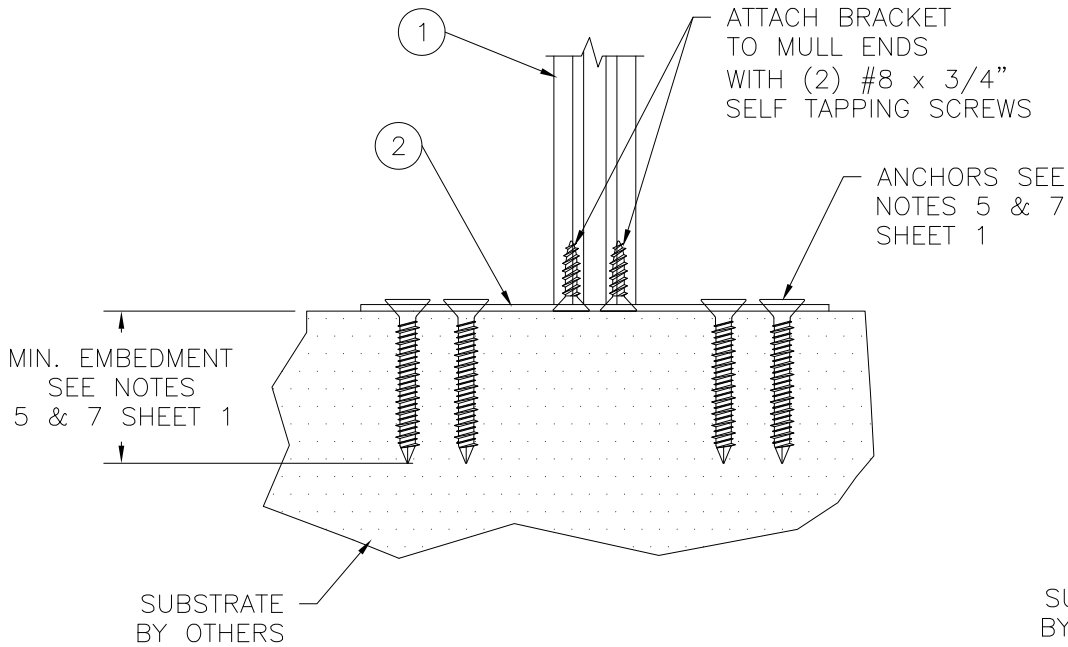
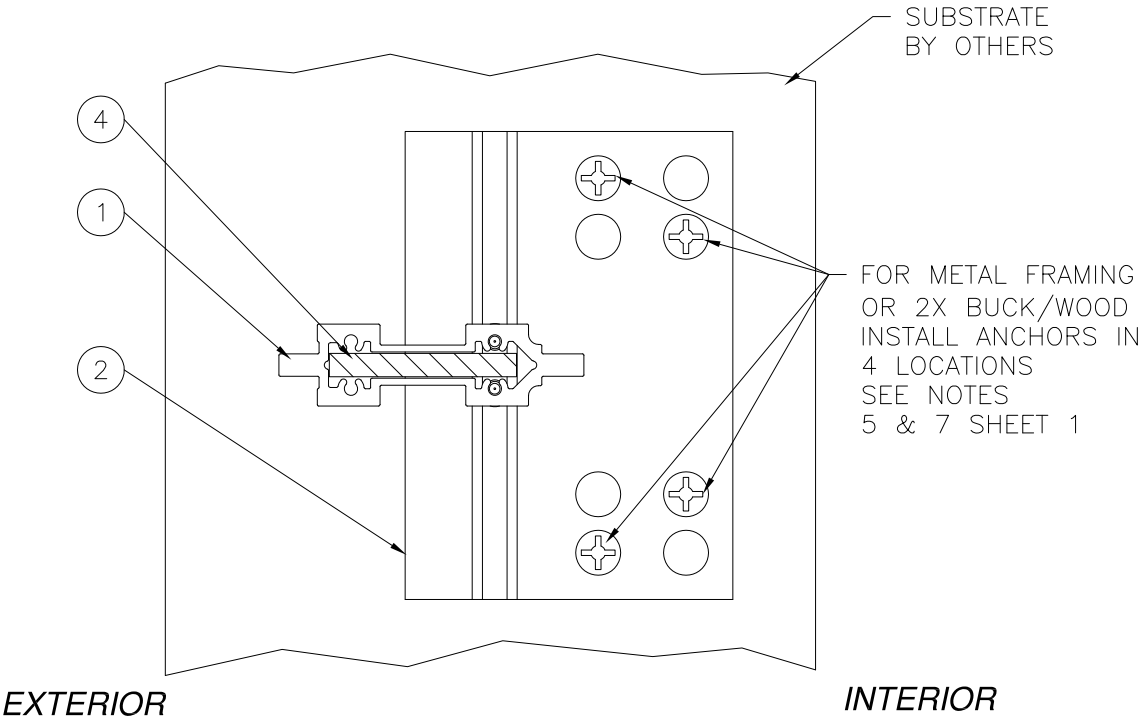
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434-688-0609 rllomas@lrlomaspe.com



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		MULLION REINFORCEMENT		STEEL
5	FS-02354	MULLION CLIP		ALUMINUM 6063-T6

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



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

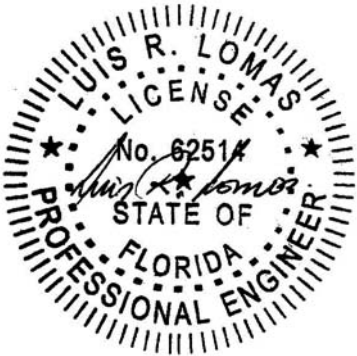
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00809	REV C
SCALE NTS	DATE 07/30/09	SHEET 4 OF 9

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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

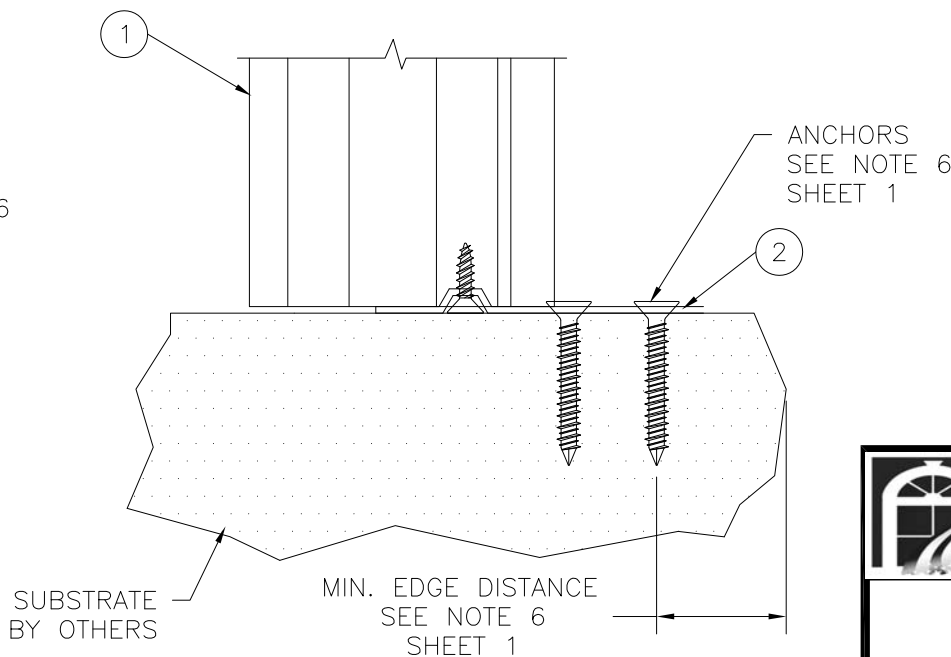
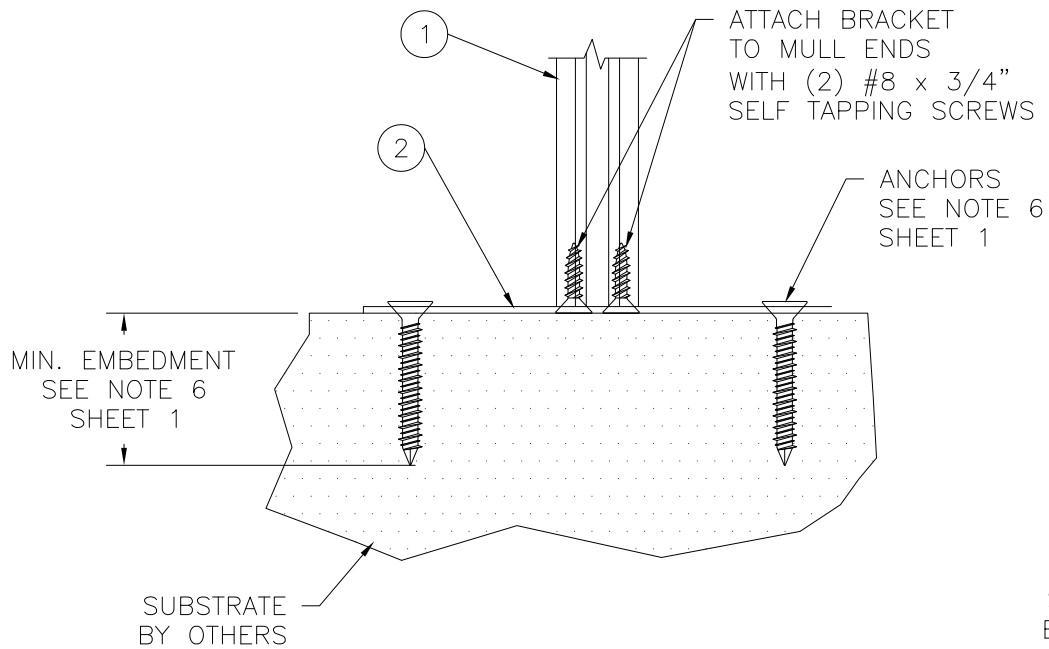
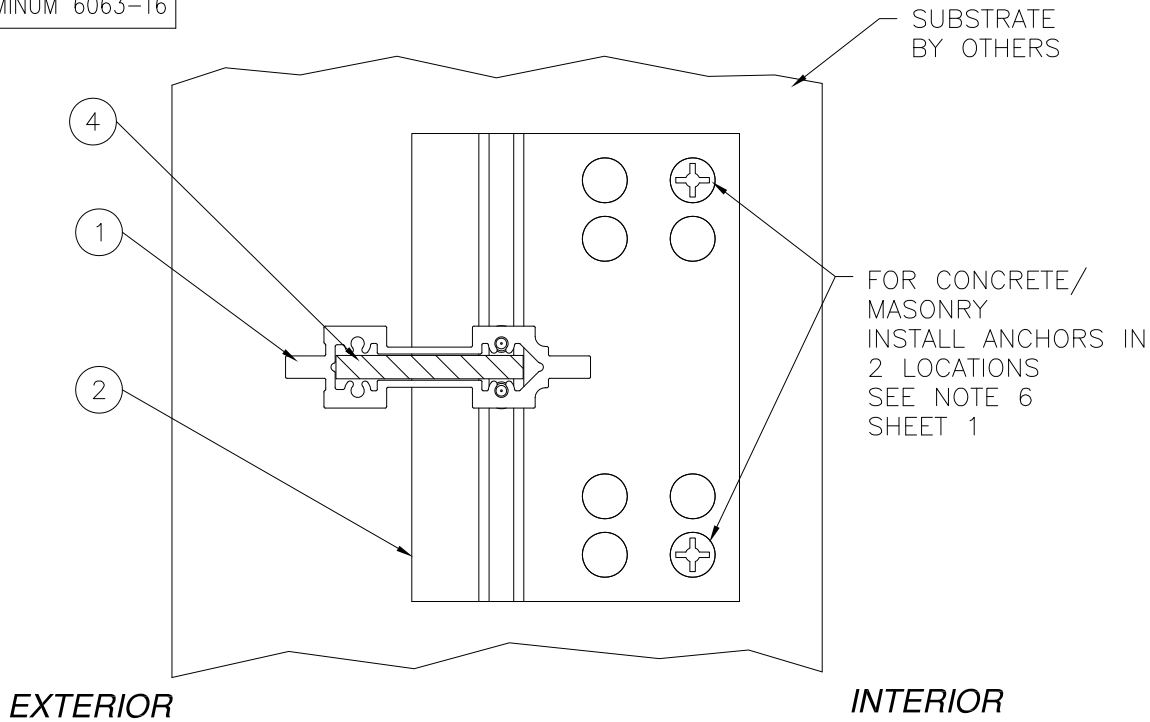
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NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	10300085	ALUMINUM VERTICAL MULLION	DECEUNINCK	ALUMINUM 6005-T5
2	10203000	15GA. STEEL MULLION BRACKET	DECEUNINCK	GALVANIZED STEEL
3	10300093	MULL CLIP	DECEUNINCK	ALUMINUM 6005-T5
4		MULLION REINFORCEMENT		STEEL
5	FS-02354	MULLION CLIP		ALUMINUM 6063-T6

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



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16341 DOMESTIC AVE
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10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

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DWG NO.
08-00809

REV
C

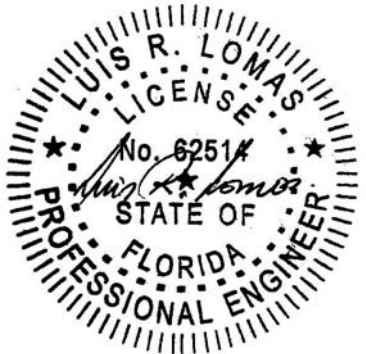
SCALE NTS

DATE 07/30/09

SHEET 5 OF 9

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

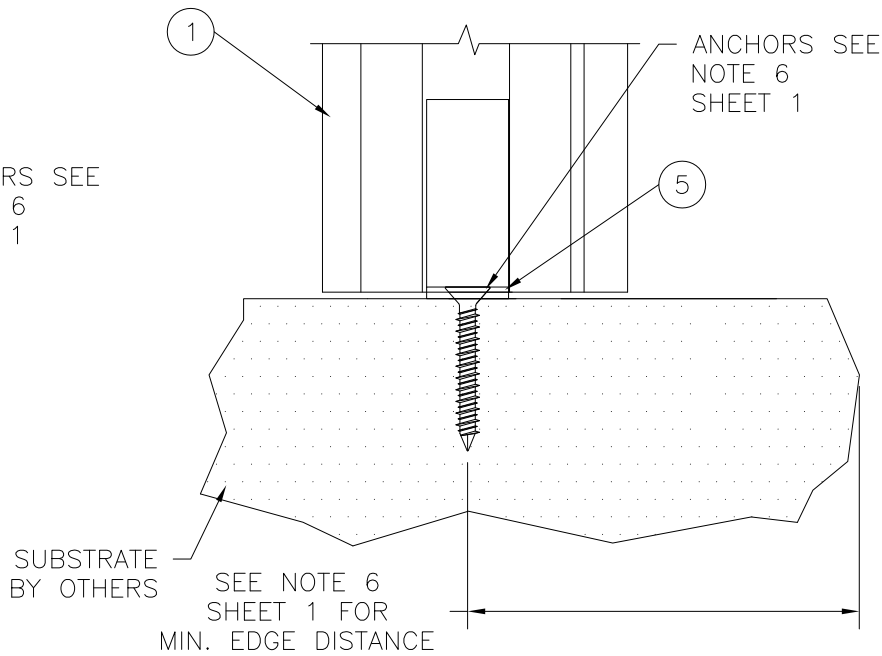
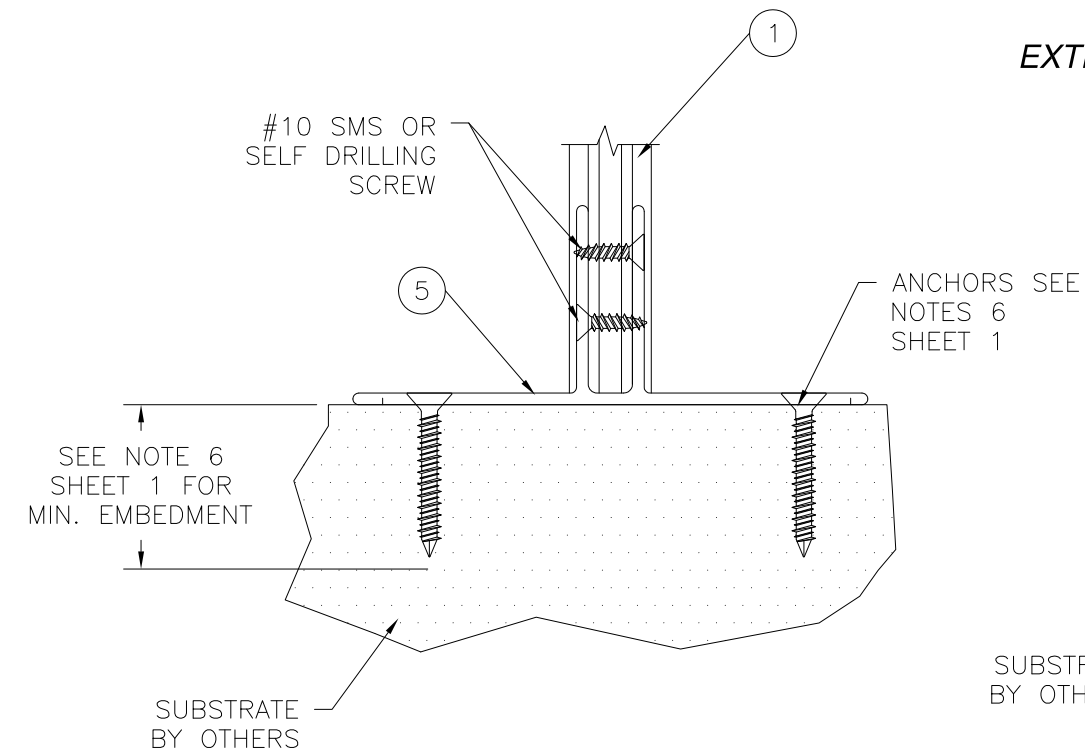
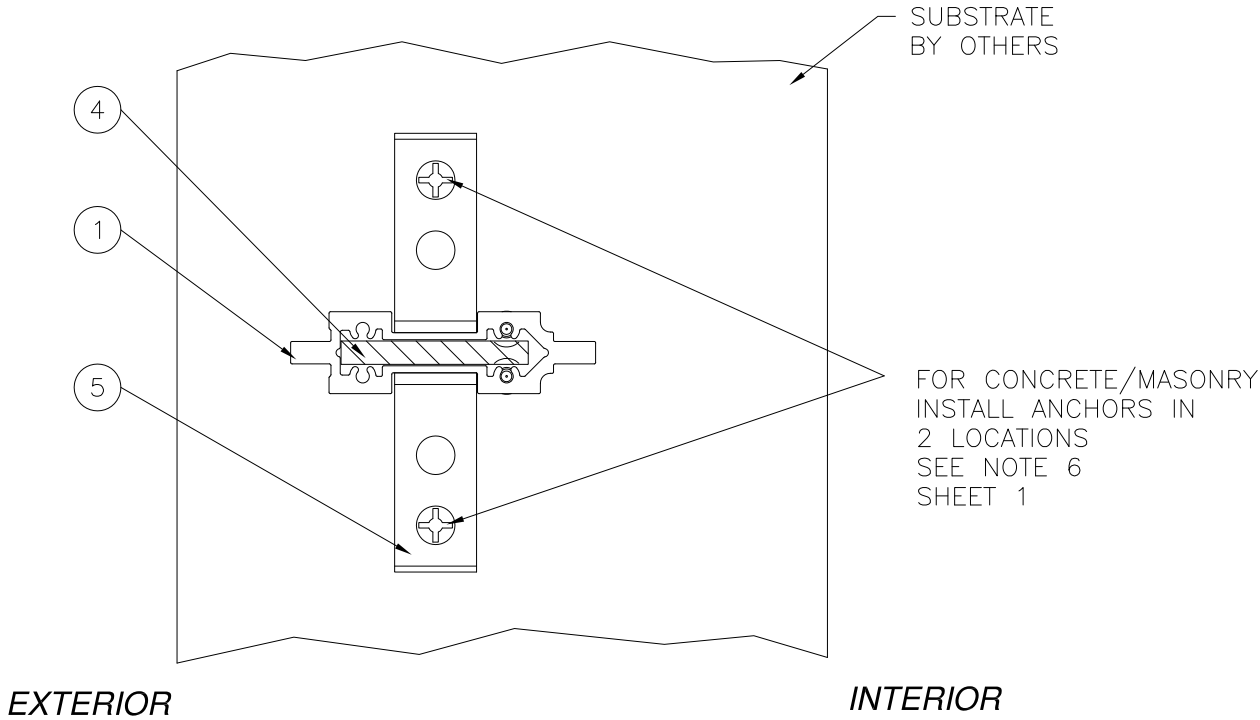
SIGNED: 08/13/2020



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		MULLION REINFORCEMENT		STEEL
5	FS-02354	MULLION CLIP		ALUMINUM 6063-T6

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/12/16	R.L.
B	REVISED ANCHORS	09/19/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



FS-02354 MULLION CLIP
INSTALLATION DETAILS
SILL, HEAD AND JAMBS 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 T MULLION
REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN:
TJH

DWG NO.
08-00809

REV
C

SCALE NTS

DATE 07/30/09

SHEET 7 OF 9

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

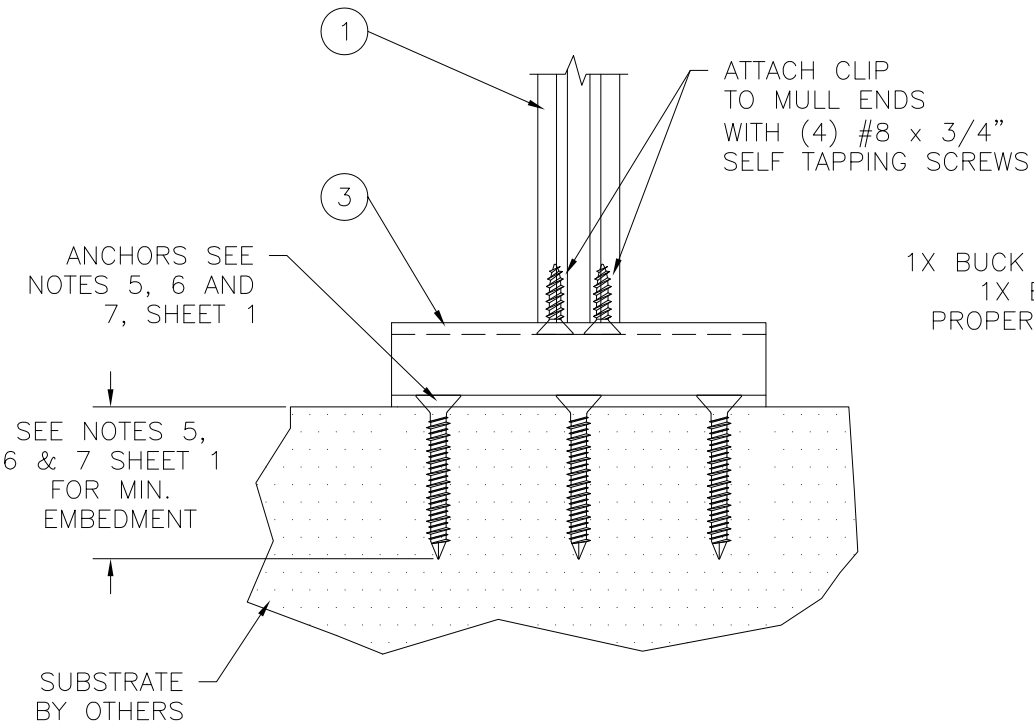
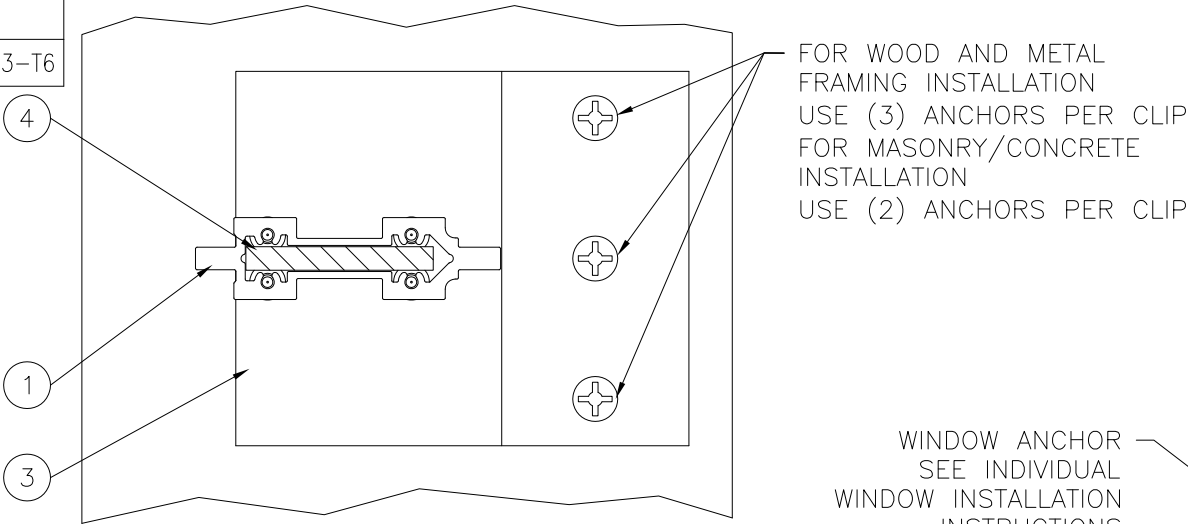
SIGNED: 08/13/2020



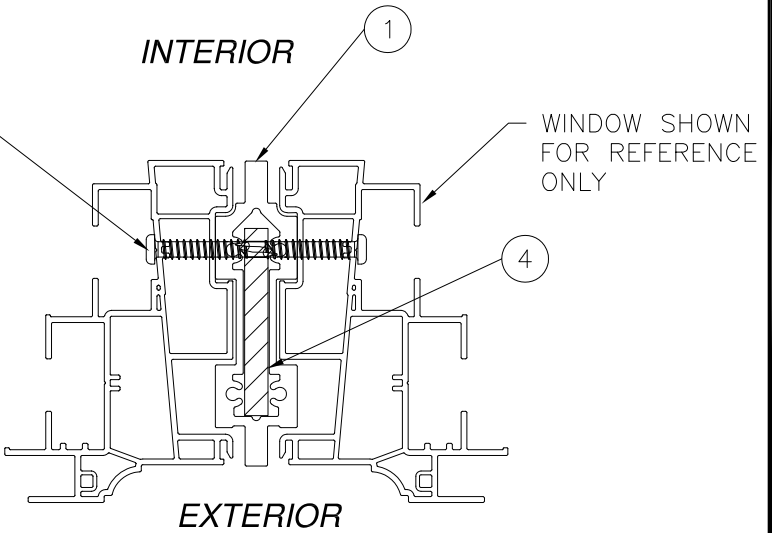
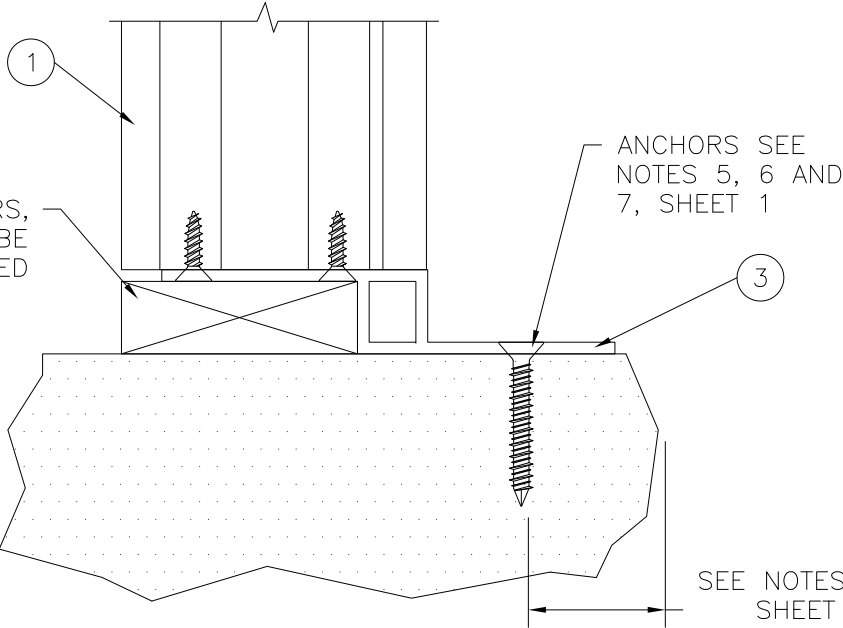
Luis R. Lomas P.E.
FL No.: 62514

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		MULLION REINFORCEMENT		STEEL
5	FS-02354	MULLION CLIP		ALUMINUM 6063-T6

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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1X BUCK BY OTHERS,
1X BUCK TO BE PROPERLY SECURED



WINDOW TO MULLION INSTALLATION DETAIL

MULL CLIP 10300093
INSTALLATION DETAILS
SILL, HEAD AND JAMBS TYP.

SIGNED: 08/13/2020



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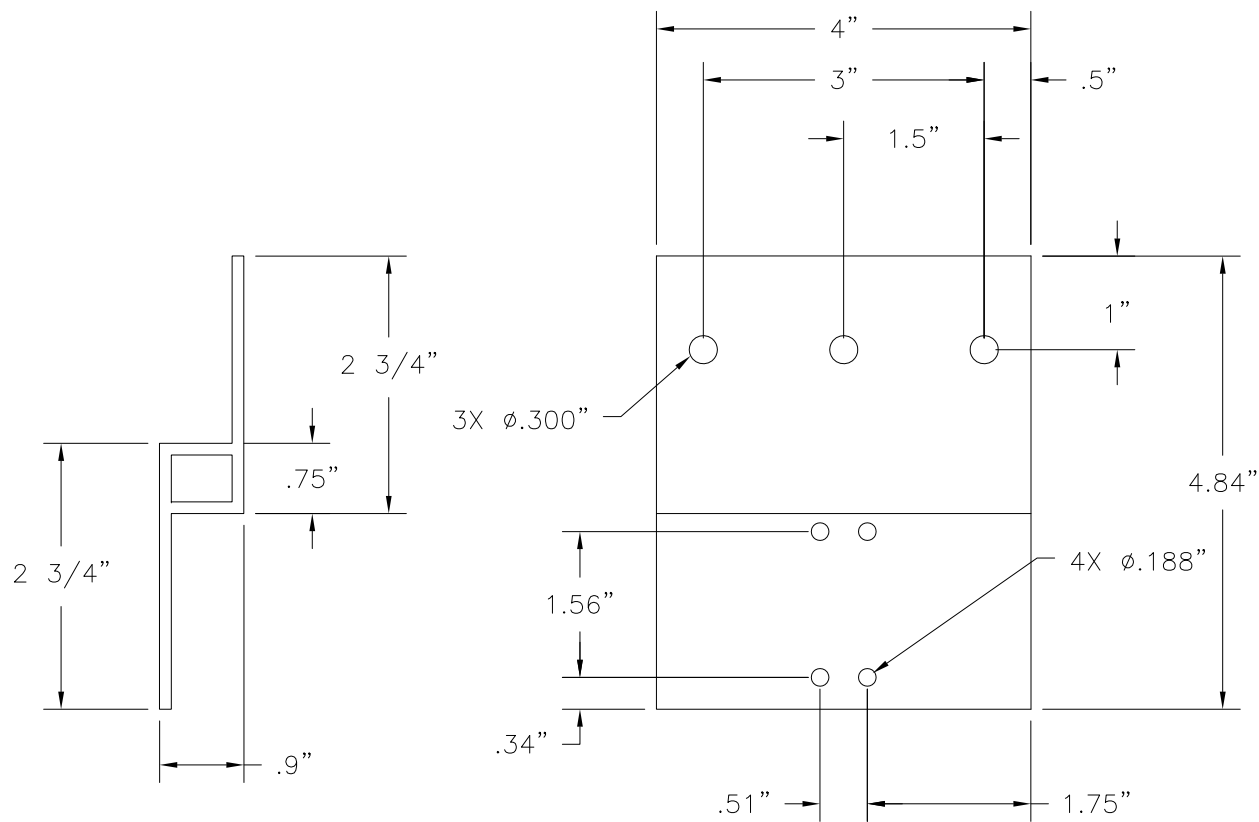
10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00809	REV C
SCALE NTS	DATE 07/30/09	SHEET 8 OF 9

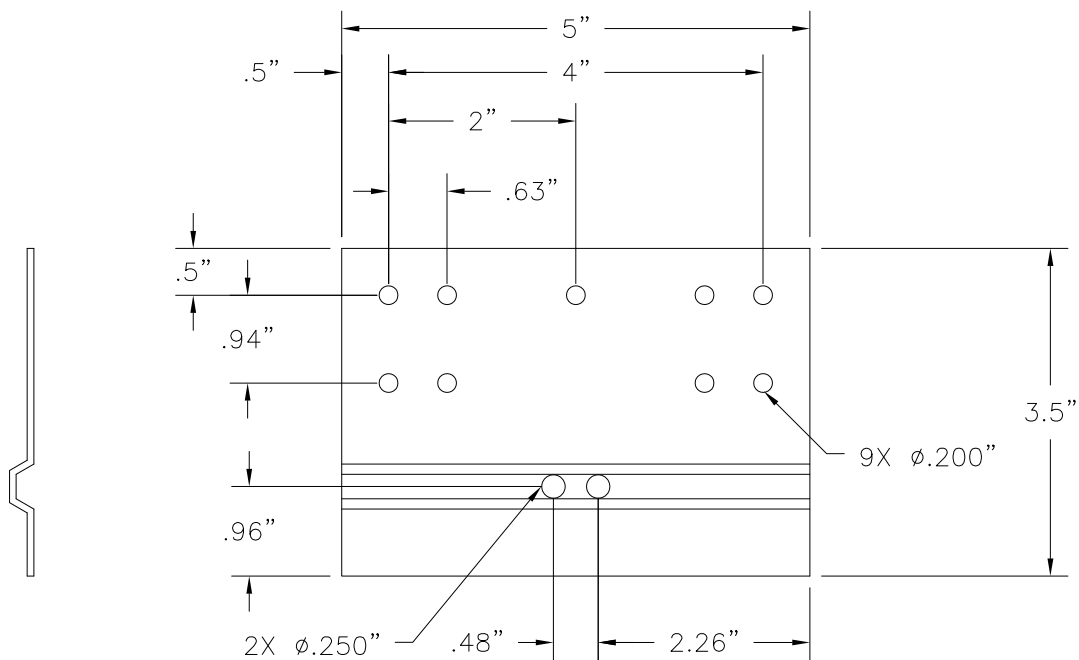
L. ROBERTO LOMAS P.E.
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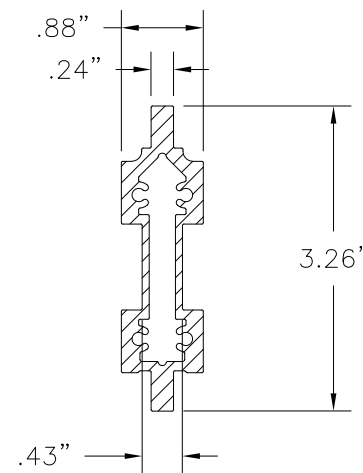
Luis R. Lomas P.E.
FL No.: 62514



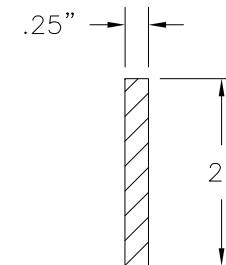
③ **MULL CLIP**
ALUMINUM 6005-T5 .125" THICK



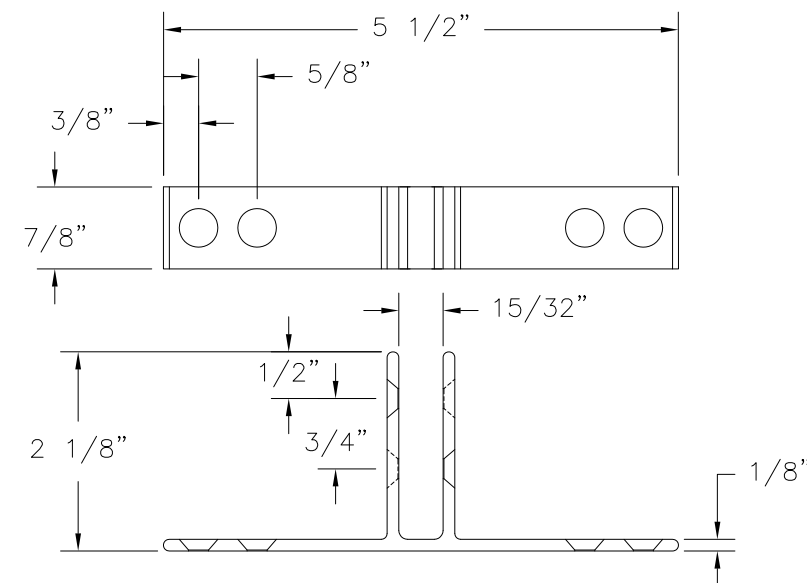
② **STEEL MULLION BRACKET**
15GA. GALVANIZED STEEL



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



④ **MULLION REINFORCEMENT**
STEEL 1/4" THICK



⑤ **FS-02354 MULLION CLIP**
ALUMINUM 6063-T6 .125" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED CHARTS	01/12/16	R.L.
B	REVISED ANCHORS	09/19/19	R.L.
C	REVISED INSTALLATION DETAILS	08/11/2020	R.L.



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EASTERN METAL SUPPLY

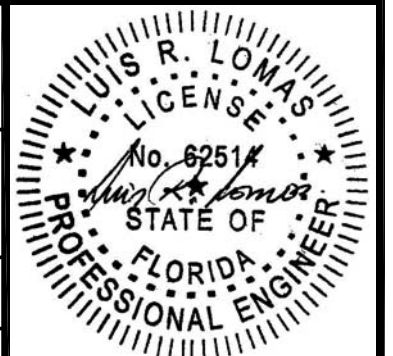
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

10300085 ALUMINUM T MULLION
REINFORCED LMI WIND ZONE 3
COMPONENTS

DRAWN: TJH	DWG NO. 08-00809	REV C
SCALE NTS	DATE 07/30/09	SHEET 9 OF 9

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