REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2".
4. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
5. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. FRAME MATERIAL: EXTRUDED ALUMINUM 6063–T6.
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 9 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS WHEN INSTALLED AT 30FT OR HIGHER ABOVE GROUND LEVEL.
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE 1/2" LAG SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO GROUT FILLED MASONRY OR CONCRETE USE 1/2" WEDGE BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 6'' MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE 1/2–13 SMS WITH LOCKWASHER AND NUT. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
    D. METAL STRUCTURE: STEEL 1/4" THICK MINIMUM FY=33KSI/FU=52KSI

SIGNED: 09/04/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 4	ELEVATIONS AND RATING CHARTS
5 – 8	CROSS SECTIONS
9	GLAZING DETAILS
10 – 21	INSTALLATION DETAILS
22 – 24	COMPONENTS

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
NOTES

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 1 OF 24

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

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

REVISIONS			
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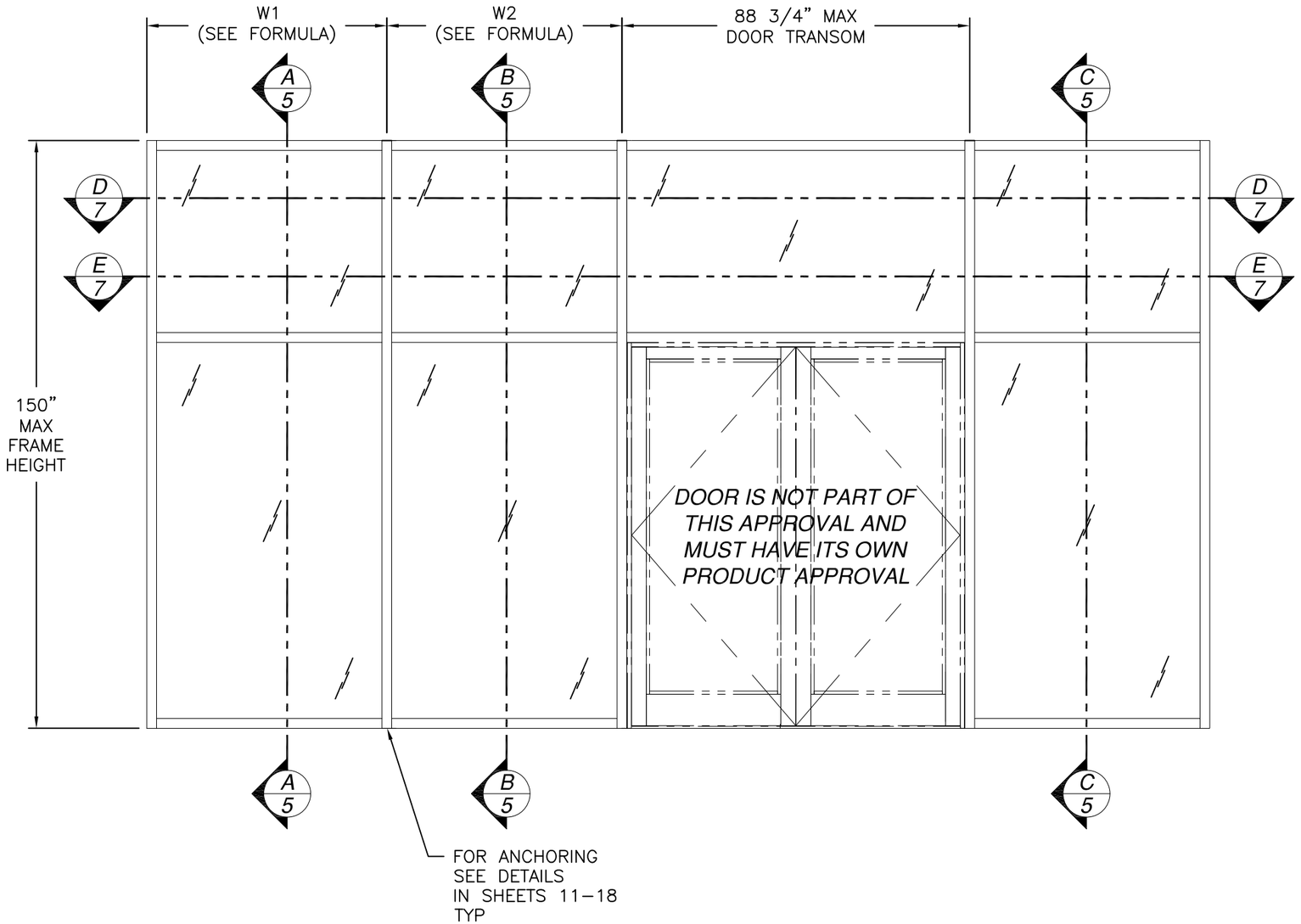

PROCEDURE TO DETERMINE RATING:

1. *DETERMINE TRIBUTARY WIDTH PER FORMULA BELOW*
2. *SELECT JAMB AND MULLION PROFILES TO BE USED FROM SHEET 7.*
3. *REFER TO CHARTS IN SHEET 4 TO DETERMINE RATINGS FOR JAMB AND MULLION SELECTED IN STEP 2.*
4. *DETERMINE THE TYPE OF ANCHOR CLIP AND SUBSTRATE WHERE PRODUCT IS TO BE INSTALLED. SEE SHEETS 10 - 17*
5. *REFER TO CHARTS IN SHEETS 18 AND 19 TO DETERMINE RATING OF ANCHORING SELECTED IN STEP 4.*
6. *SELECT GLASS TO BE USED, REFER TO SHEET 9*
7. *REFER TO CHART #5 IN SHEET 9 TO DETERMINE RATING OF GLASS SELECTED IN STEP 6.*
8. *THE MINIMUM OF ALL RATINGS WILL DETERMINE THE RATING OF THE TOTAL PRODUCT.*

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

STORM WALL XL HURRICANE RESISTANT CURTAN WALL SINGLE SPAN

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IS ALLOWED AS LONG AS INDIVIDUAL PANELS AREA DO NOT EXCEED 52.25 FT²
AND USE VERTICAL CONDITIONS AS SHOWN

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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
SINGLE SPAN ELEVATION

DRAWN:	DWG NO.	REV
R.L.	08–03021	B

SCALE	DATE	SHEET
NTS	12/07/16	2 OF 24

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

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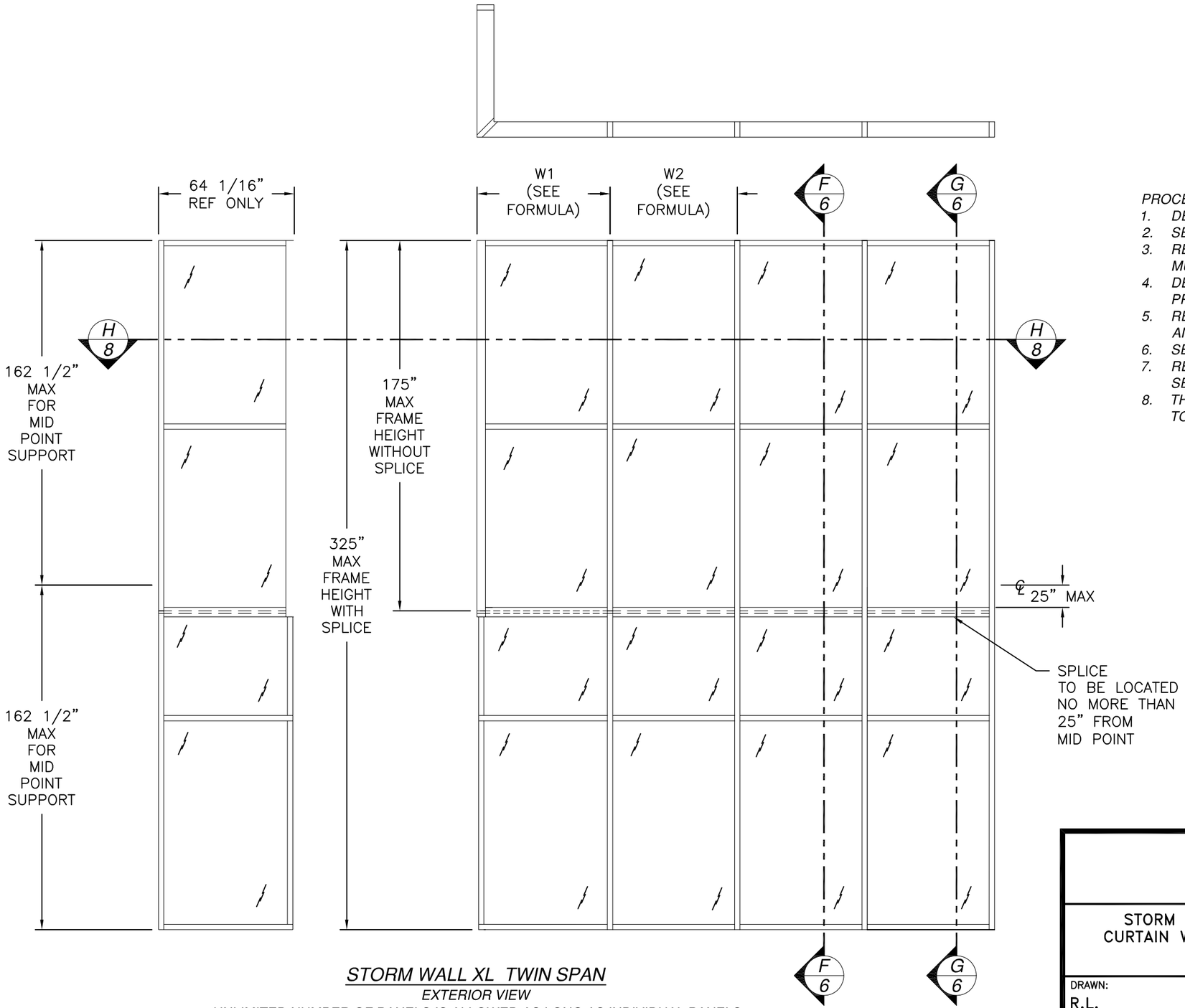

STORM WALL XL TWIN SPAN

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IS ALLOWED AS LONG AS INDIVIDUAL PANELS AREA DO NOT EXCEED 52.25 FT²

AND USE VERTICAL CONDITIONS AS SHOWN

PROCEDURE TO DETERMINE RATING:

1. *DETERMINE TRIBUTARY WIDTH PER FORMULA BELOW*
2. *SELECT JAMB AND MULLION PROFILES TO BE USED FROM SHEET 7.*
3. *REFER TO CHARTS IN SHEET 4 TO DETERMINE RATINGS FOR JAMB AND MULLION SELECTED IN STEP 2.*
4. *DETERMINE THE TYPE OF ANCHOR CLIP AND SUBSTRATE WHERE PRODUCT IS TO BE INSTALLED. SEE SHEETS 10 - 17*
5. *REFER TO CHARTS IN SHEETS 18 AND 19 TO DETERMINE RATING OF ANCHORING SELECTED IN STEP 4.*
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7. *REFER TO CHART #5 IN SHEET 9 TO DETERMINE RATING OF GLASS SELECTED IN STEP 6.*
8. *THE MINIMUM OF ALL RATINGS WILL DETERMINE THE RATING OF THE TOTAL PRODUCT.*

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

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WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
TWIN SPAN ELEVATION

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 3 OF 24

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434-688-0609 rllomas@lrlomaspe.com

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B	ADDED CORROSION CHART	09/04/26	R.L.

Chart #1
Design pressure for Mullion "A", "B" and "C" (psf)
Design pressure for Jamb "B" and "C" (psf)

Frame Height (in)	Design pressures are positive and negative Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	90.6
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.8
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	83.3

SMALL MISSILE IMPACT AND HVHZ

Chart #2
Design pressure for Mullion "D" (psf)
Design pressure for Jamb "A" (psf)

Frame Height (in)	Design pressures are positive and negative Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
72.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	60.2
78.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	60.6	55.6
84.0	65.0	65.0	65.0	65.0	65.0	65.0	61.9	56.3	51.6
90.0	65.0	65.0	65.0	65.0	65.0	64.2	57.8	52.5	48.2
96.0	65.0	65.0	65.0	65.0	65.0	60.2	54.2	49.3	45.1
102.0	65.0	65.0	65.0	65.0	63.7	56.7	51.0	46.4	42.5
108.0	65.0	65.0	65.0	65.0	57.4	51.1	46.0	41.8	38.3
114.0	65.0	65.0	65.0	55.8	48.8	43.4	39.1	35.5	32.6
120.0	65.0	65.0	55.8	47.9	41.9	37.2	33.5	30.5	27.9

SMALL MISSILE IMPACT AND HVHZ

Chart #3
Design pressure for Mullion "A", "B" and "G" (psf)
Design pressure for Jamb "C" and Corner (psf)

Frame Height (in)	Design pressures are positive and negative Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.2
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	90.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.8
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.4	83.8
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	83.3

SMALL MISSILE IMPACT AND HVHZ
FULL LENGTH WITHOUT SPLICE

Chart #4
Design pressure for Mullion "A", "B" and "G" with splice (psf)
Design pressure for Jamb "C" and Corner with splice (psf)

Frame Height (in)	Design pressures are positive and negative Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
210.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
216.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
222.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
228.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
234.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
240.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
246.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
252.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
258.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
264.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
270.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
276.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.1
282.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0
288.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0
294.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1
300.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.5	90.3
306.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	88.5
312.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	86.8
318.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.9	85.2
324.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.2	83.6
325.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	83.3

SMALL MISSILE IMPACT AND HVHZ
FULL LENGTH WITH SUPPORT AT MIDDLE POINT AND SPLICE
DISTANCE BETWEEN SPLICE AND MID POINT MUST NOT EXCEED 25"

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
MULLION AND JAMB CHARTS

DRAWN:	DWG NO.	REV
R.L.	08-03021	B
SCALE NTS	DATE 12/07/16	SHEET 4 OF 24

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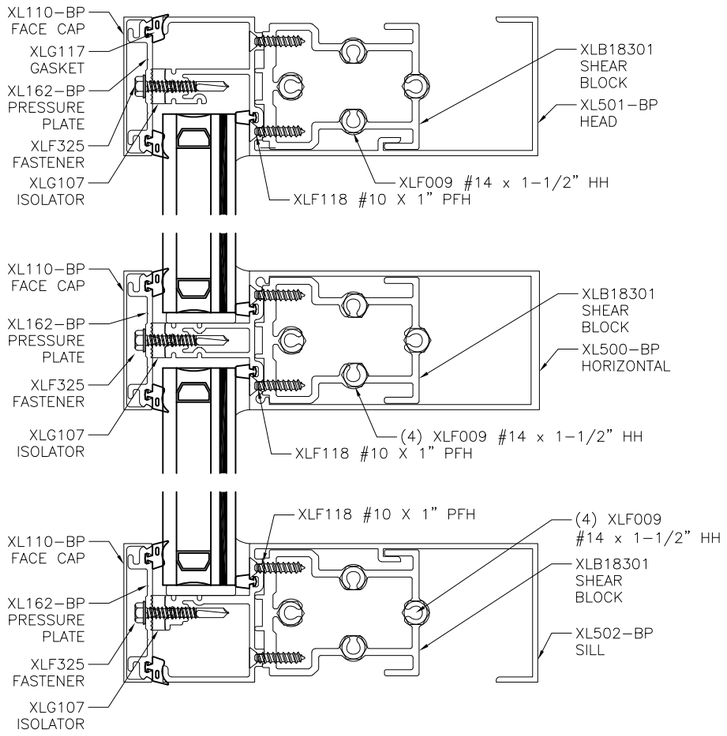
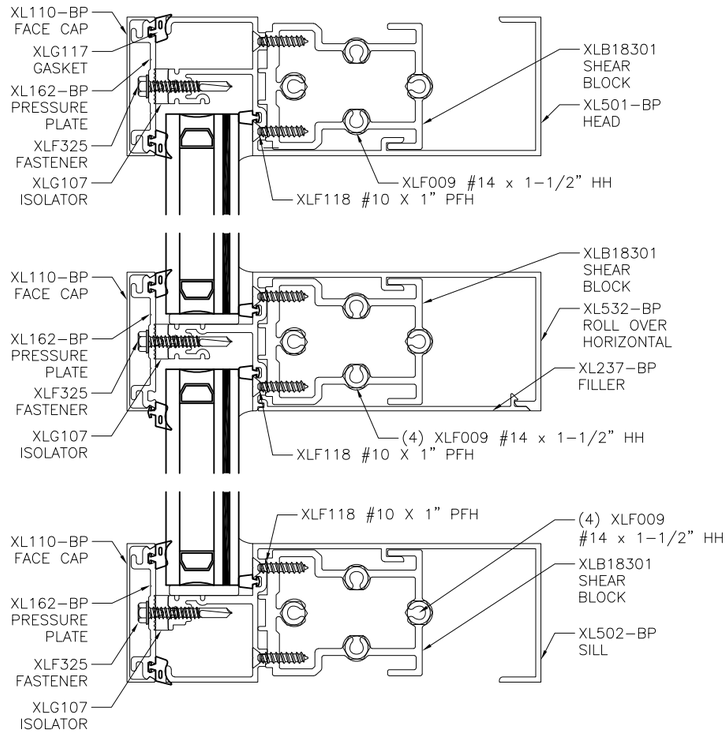
FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS SEE SHEETS 10 - 17



A/5 *VERTICAL CROSS SECTION*



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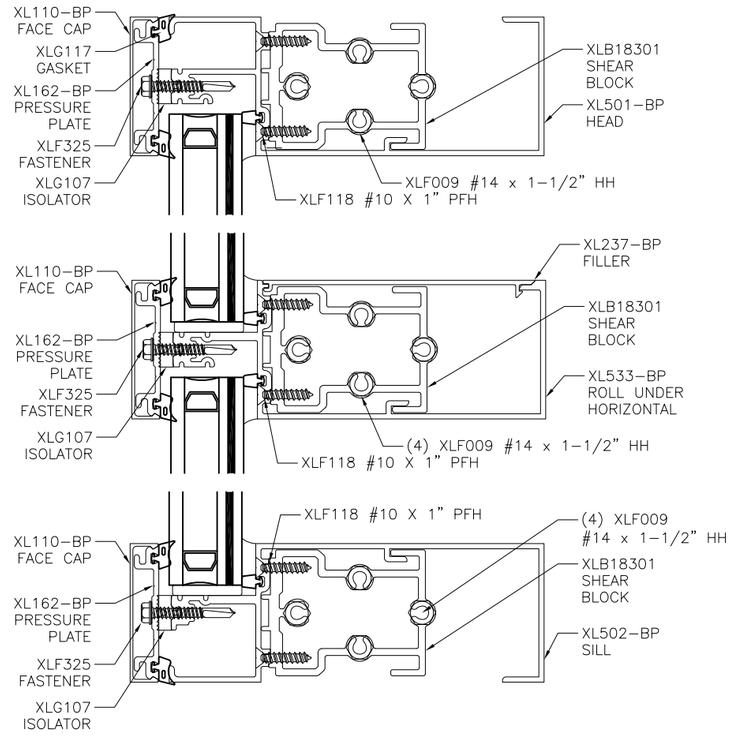

C/5 *VERTICAL CROSS SECTION*

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CURTAIN WALL – WET GLAZED – SMI HVHZ
VERTICAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 5 OF 24

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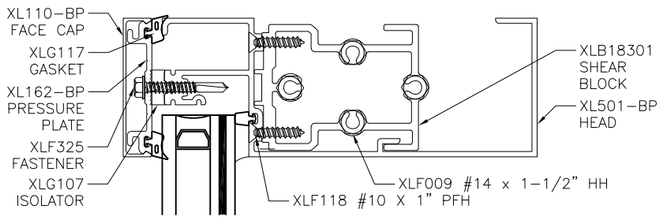
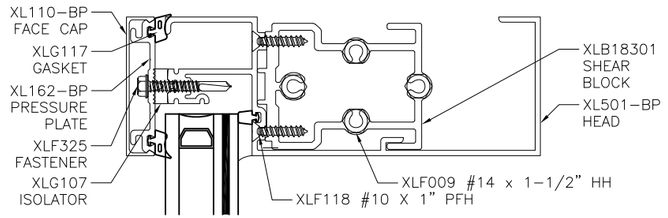
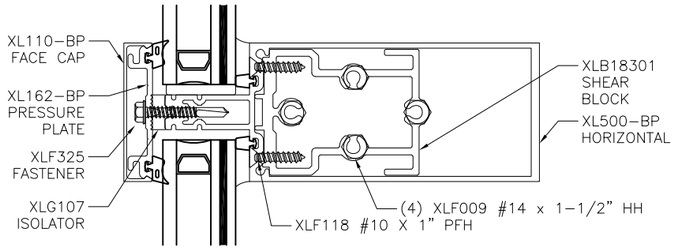
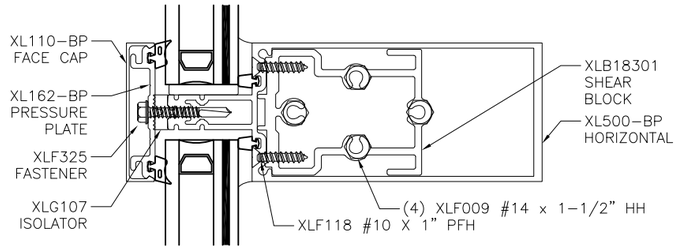
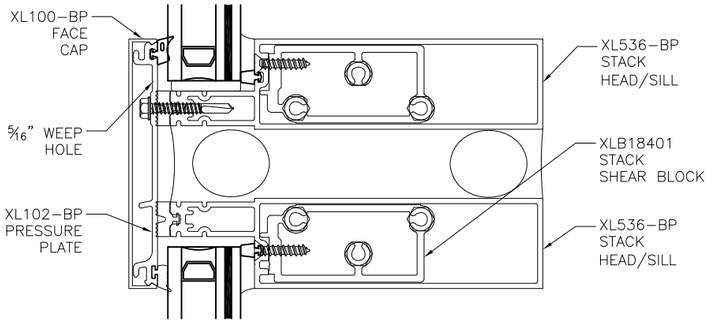
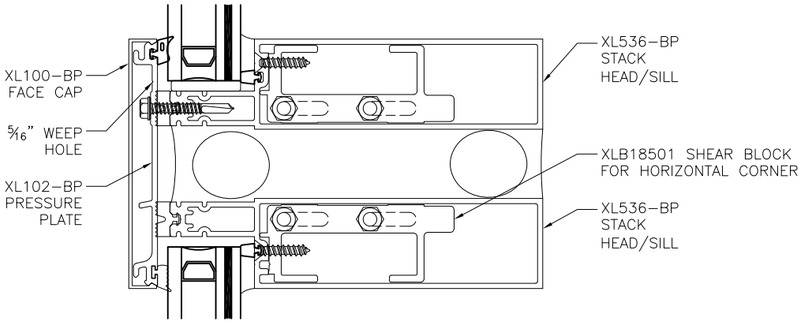


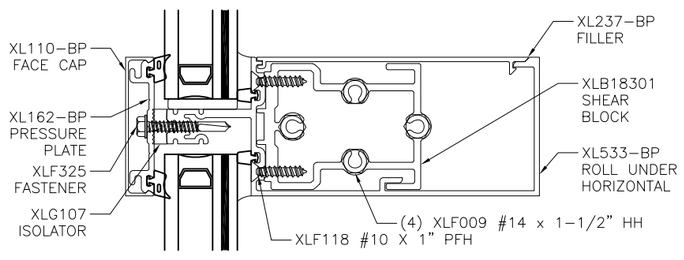


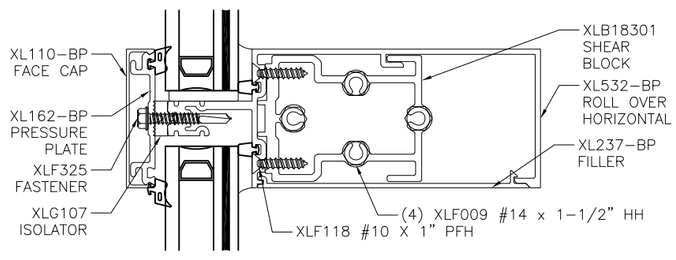


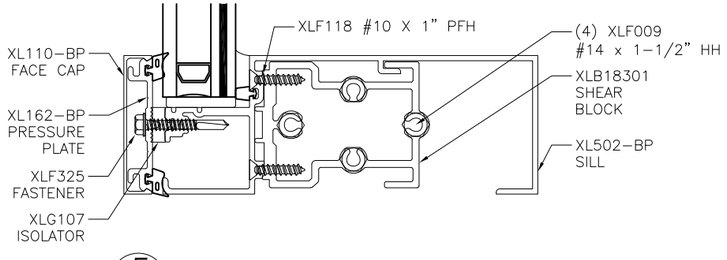


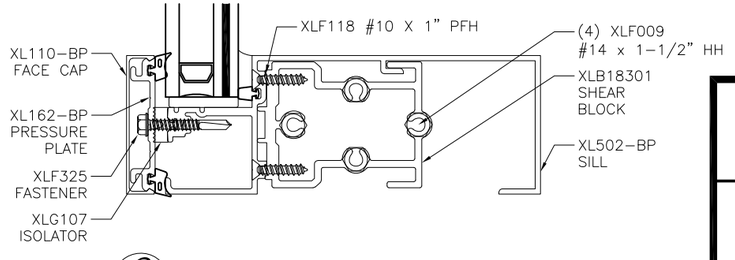












F/6 *VERTICAL CROSS SECTION*

G/6 *VERTICAL CROSS SECTION*

FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS SEE SHEETS 10 - 17

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
VERTICAL CROSS SECTIONS

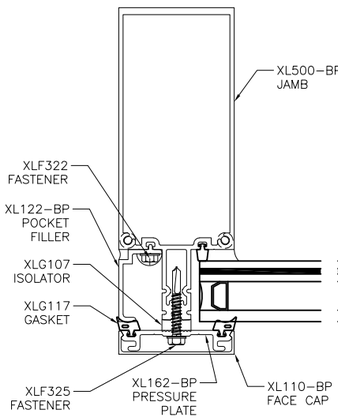
DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 6 OF 24

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

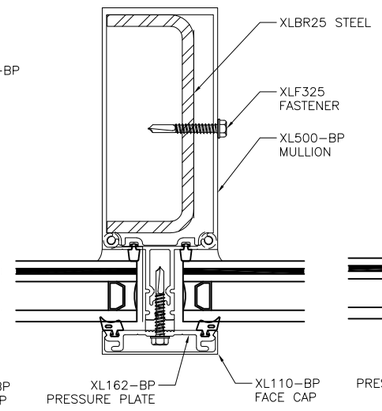
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

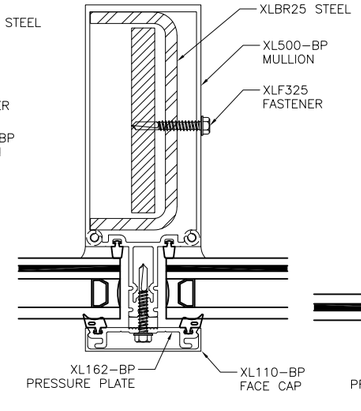
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



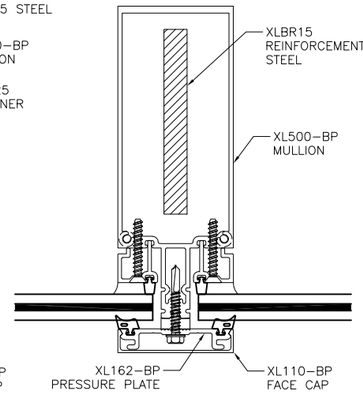
JAMB "A"
FOR RATINGS SEE CHART #2
SHEET 4



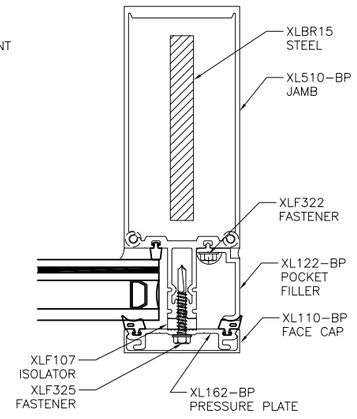
MULLION "A"
FOR RATINGS SEE CHART #1
SHEET 4



MULLION "B"
FOR RATINGS SEE CHART #1
SHEET 4

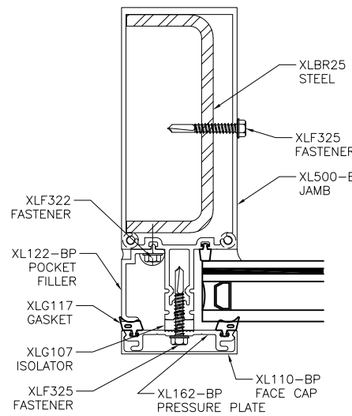


MULLION "C"
FOR RATINGS SEE CHART #1
SHEET 4

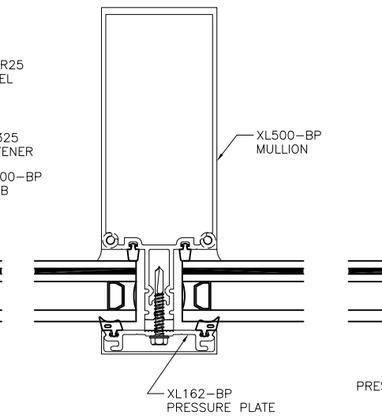


JAMB "B"
FOR RATINGS SEE CHART #1
SHEET 4

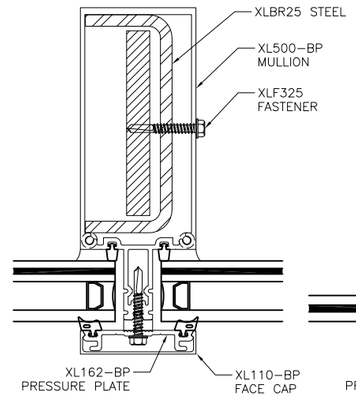
D/7 *HORIZONTAL CROSS SECTION*



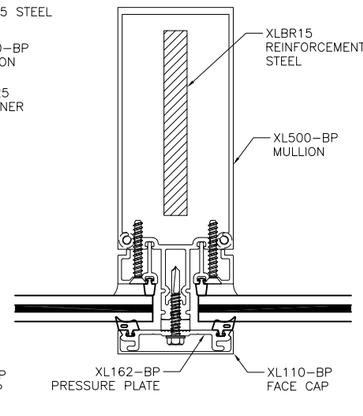
JAMB "C"
FOR RATINGS SEE CHART #1
SHEET 4



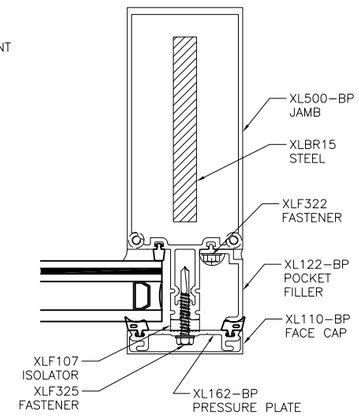
MULLION "D"
FOR RATINGS SEE CHART #2
SHEET 4



MULLION "B"
FOR RATINGS SEE CHART #1
SHEET 4



MULLION "C"
FOR RATINGS SEE CHART #1
SHEET 4



JAMB "D"
FOR RATINGS SEE CHART #1
SHEET 4

E/7 *HORIZONTAL CROSS SECTION*

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SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
HORIZONTAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B

SCALE	DATE	SHEET
NTS	12/07/16	7 OF 24

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

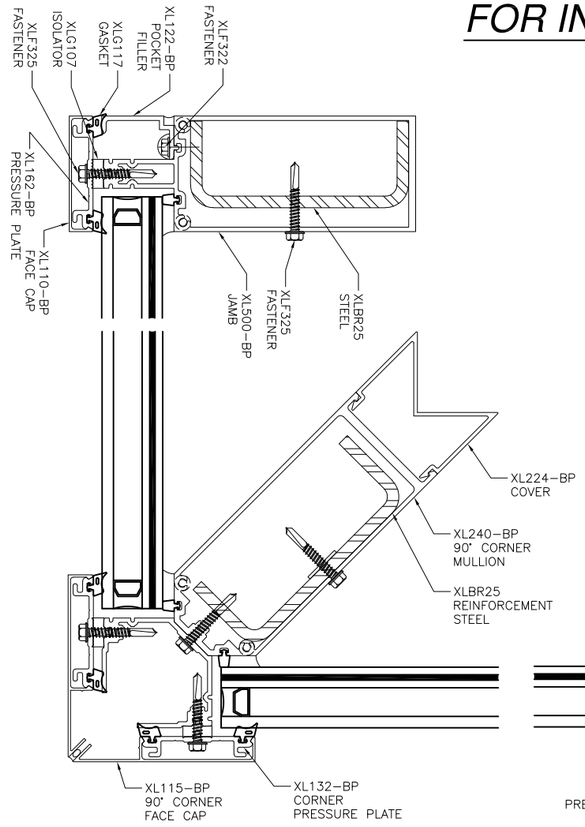
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

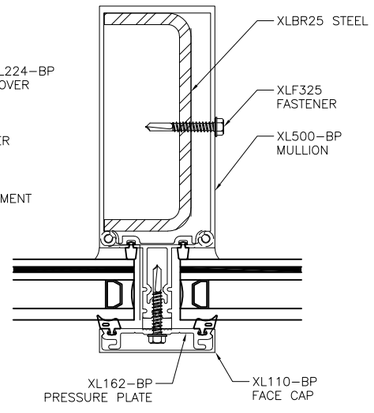
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.

FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS SEE SHEETS 10 - 17

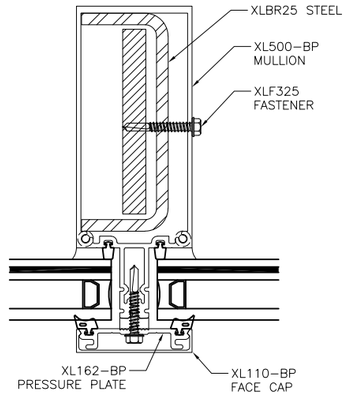
JAMB "C"
FOR RATINGS
SEE
CHARTS #5 & #6
SHEET 4



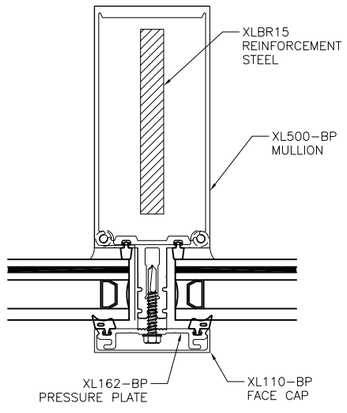
CORNER MULLION
FOR RATINGS SEE CHARTS #3 & #4



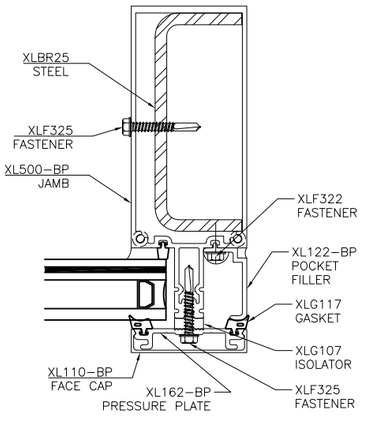
MULLION "A"
FOR RATINGS SEE CHARTS #3 & #4



MULLION "B"
FOR RATINGS SEE CHARTS #3 & #4



MULLION "G"
FOR RATINGS SEE CHARTS #3 & #4



JAMB "C"
FOR RATINGS SEE CHARTS #3 & #4

H/8 *HORIZONTAL CROSS SECTION*

SIGNED: 09/04/2026

US ALUMINUM
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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
HORIZONTAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
R.L.	08-03021	B
SCALE NTS	DATE 12/07/16	SHEET 8 OF 24

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

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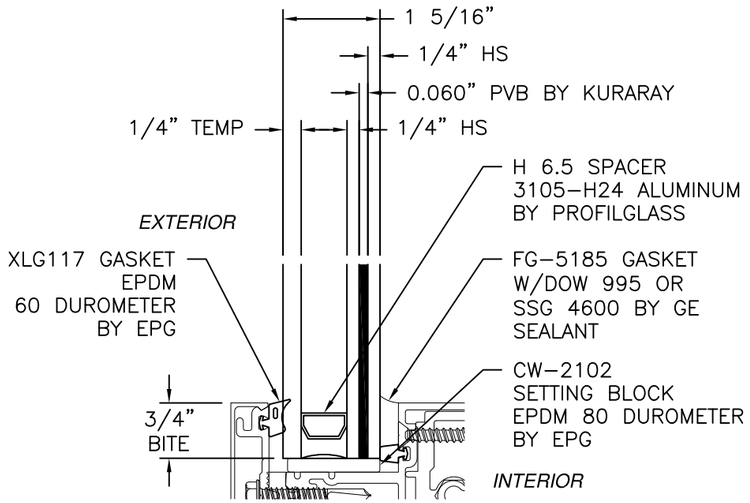
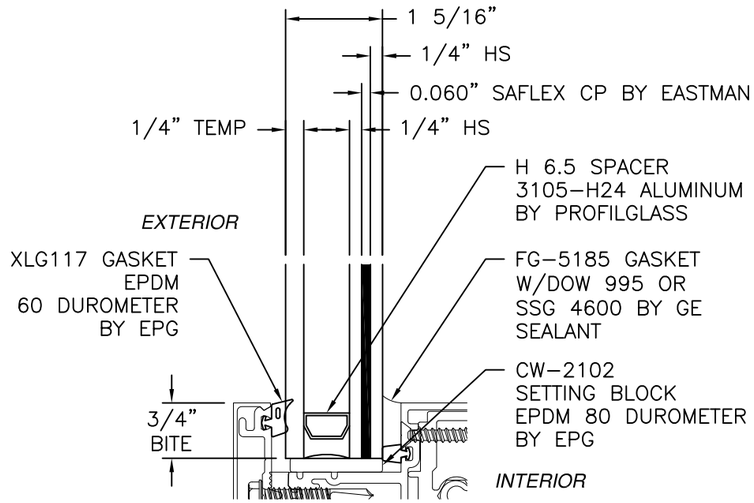


GLAZING "A"

SEE CHART #5 FOR RATINGS



GLAZING "B"

SEE CHART #5 FOR RATINGS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.

Chart #5

Design pressure per glass "A" and "B" (psf)

D.L.O. Height (in)	D.L.O. width (in)								
	21.5	27.5	33.5	39.5	45.5	51.5	57.5	63.5	69.5
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.6
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	88.2
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.6	82.7

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950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
GLAZING DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B

SCALE	DATE	SHEET
NTS	12/07/16	9 OF 24

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

LUIS R. LOMAS
LICENSE
No. 62514
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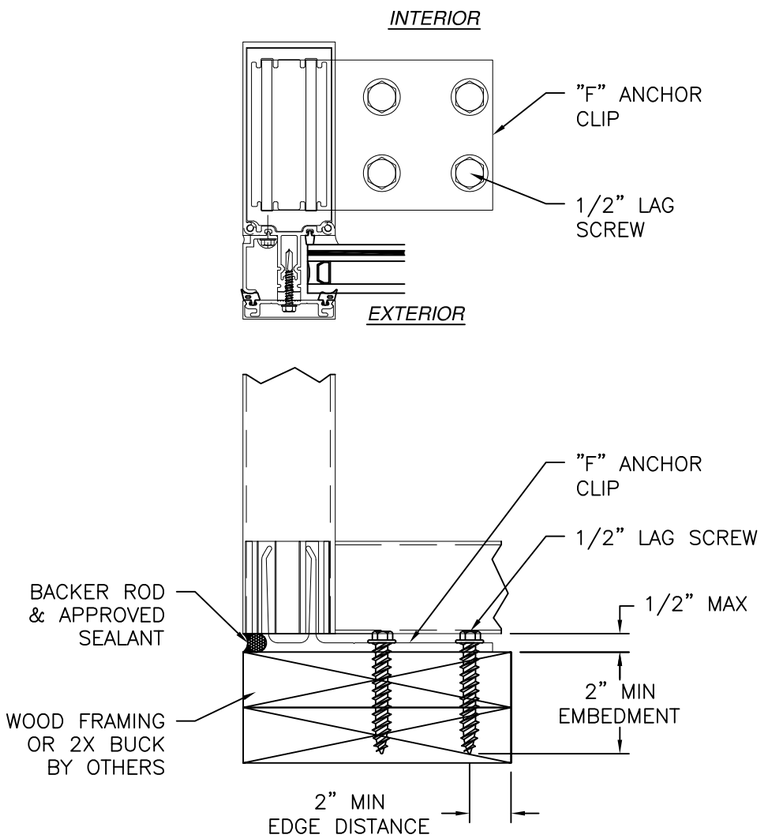
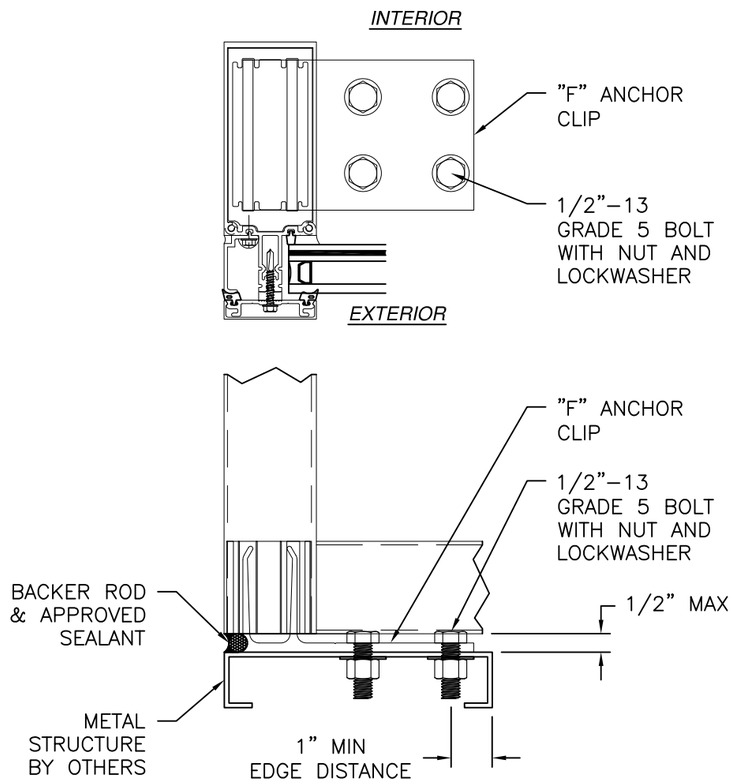
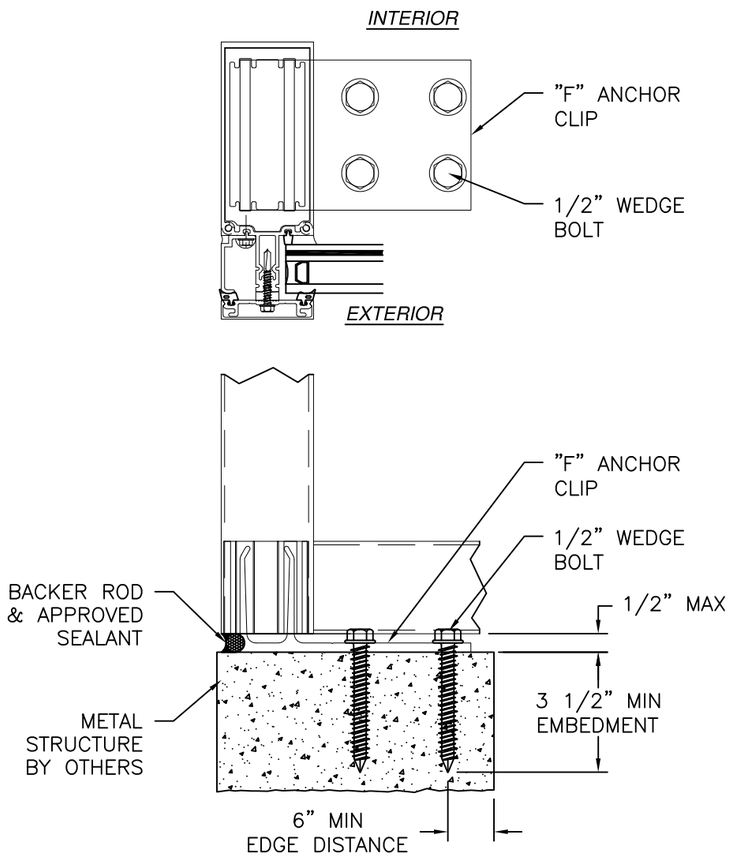
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



JAMB INSTALLATION DETAIL
WITH "F" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #7 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "F" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #8 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "F" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #9 FOR RATINGS

NOTES:
1. *INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.*
2. *PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112*

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 10 OF 24

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

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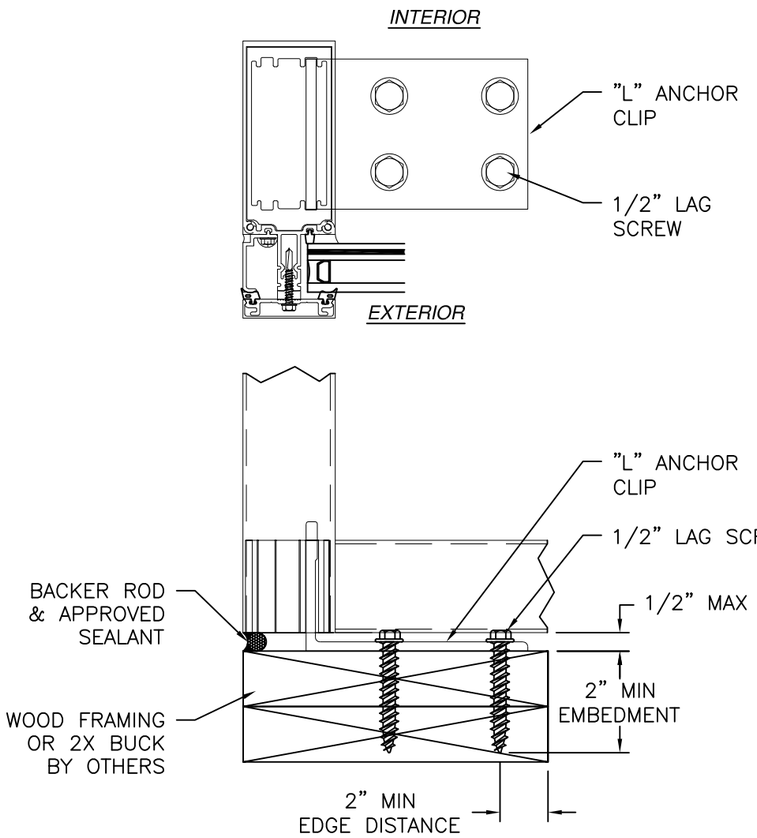
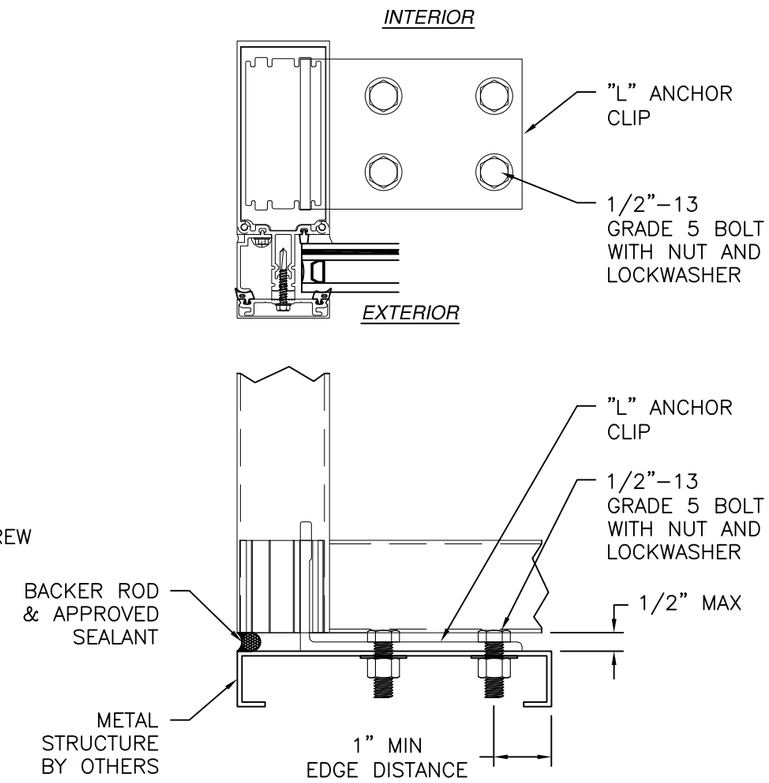
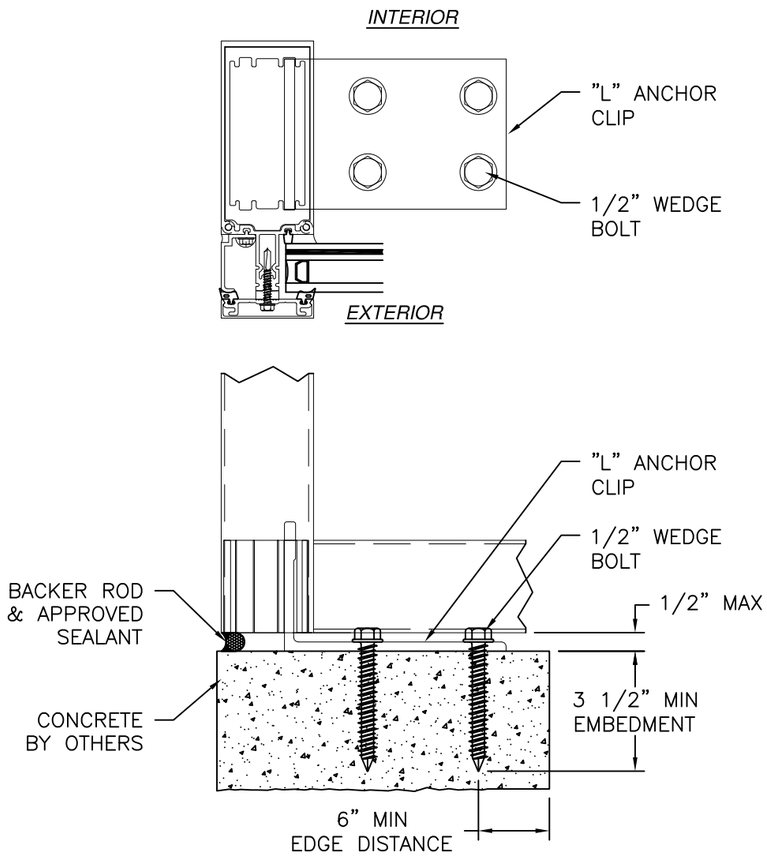


JAMB INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #7 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #8 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #9 FOR RATINGS

SIGNED: 09/04/2026

NOTES:
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US ALUMINUM
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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 11 OF 24

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

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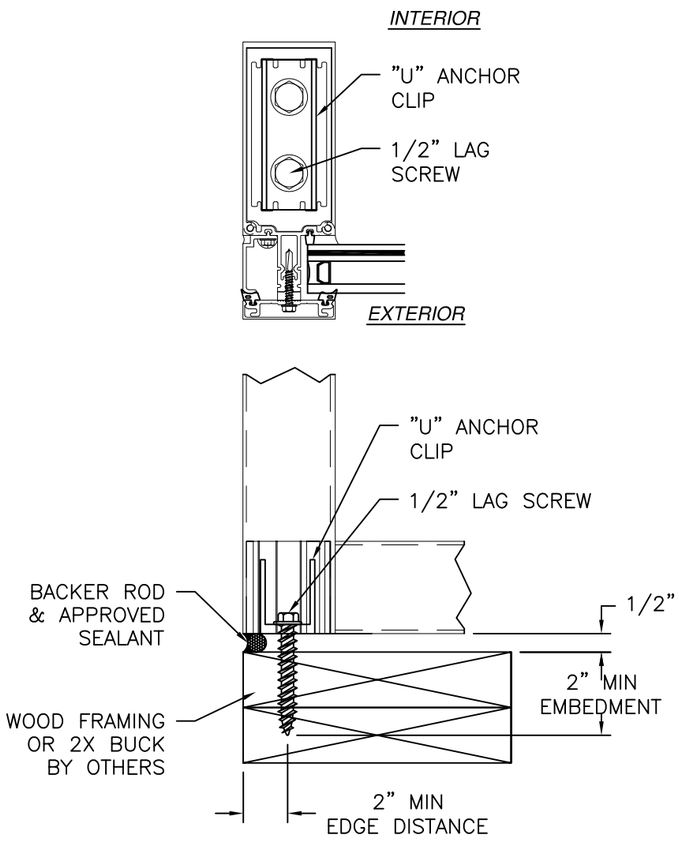
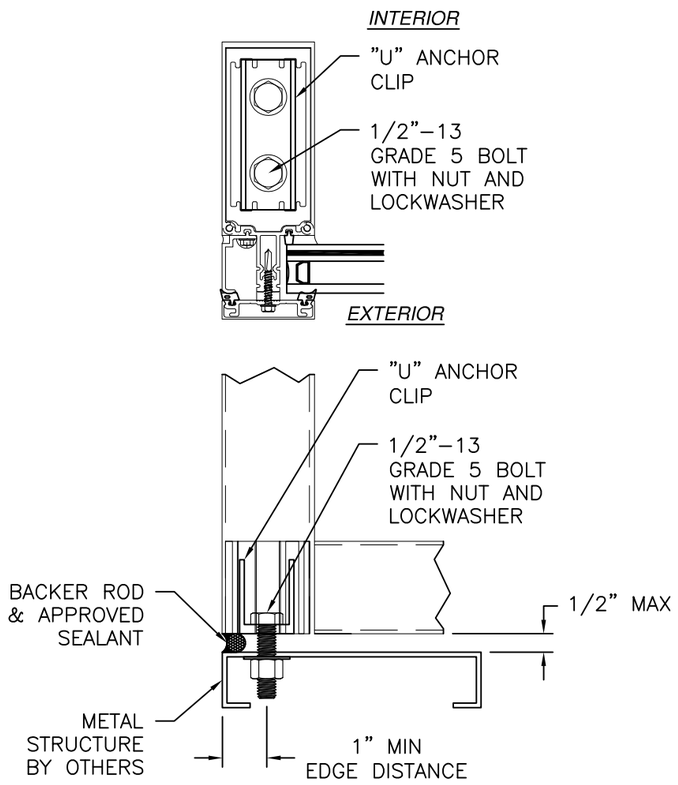
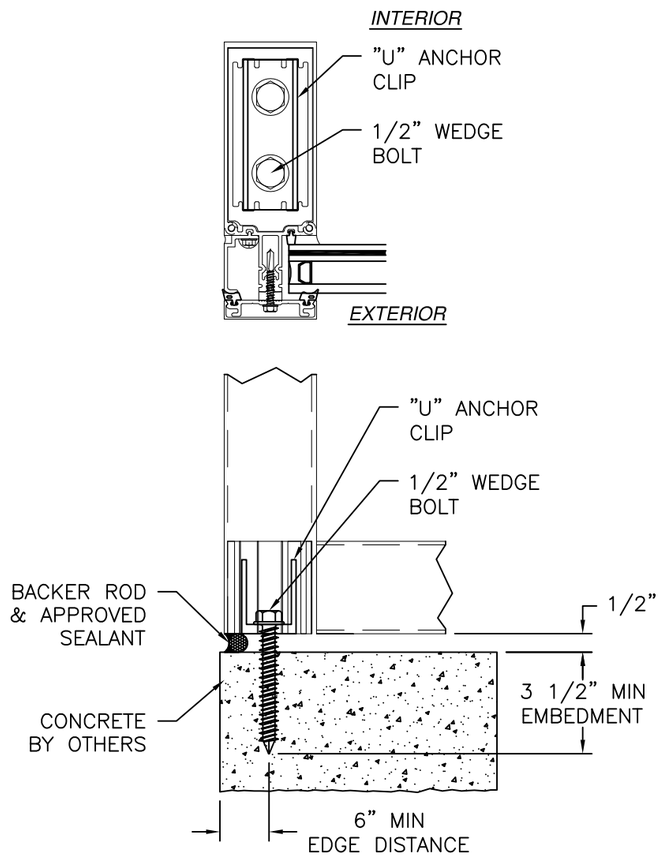
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



JAMB INSTALLATION DETAIL
WITH "U" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #6 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "U" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #8 FOR RATINGS



JAMB INSTALLATION DETAIL
WITH "U" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #9 FOR RATINGS

NOTES:
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SIGNED: 09/04/2026

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WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 12 OF 24

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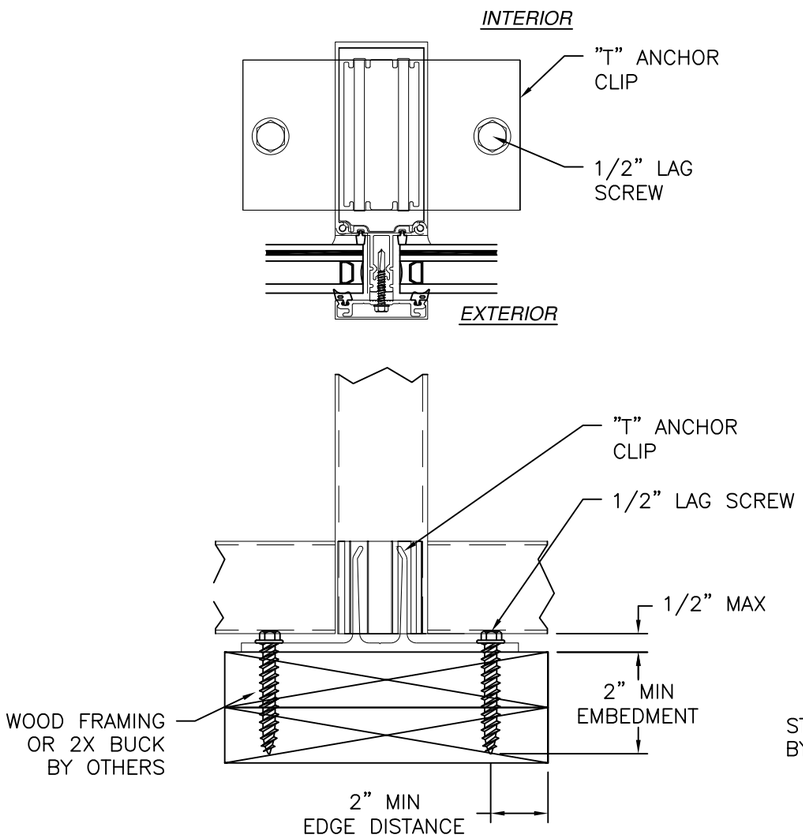
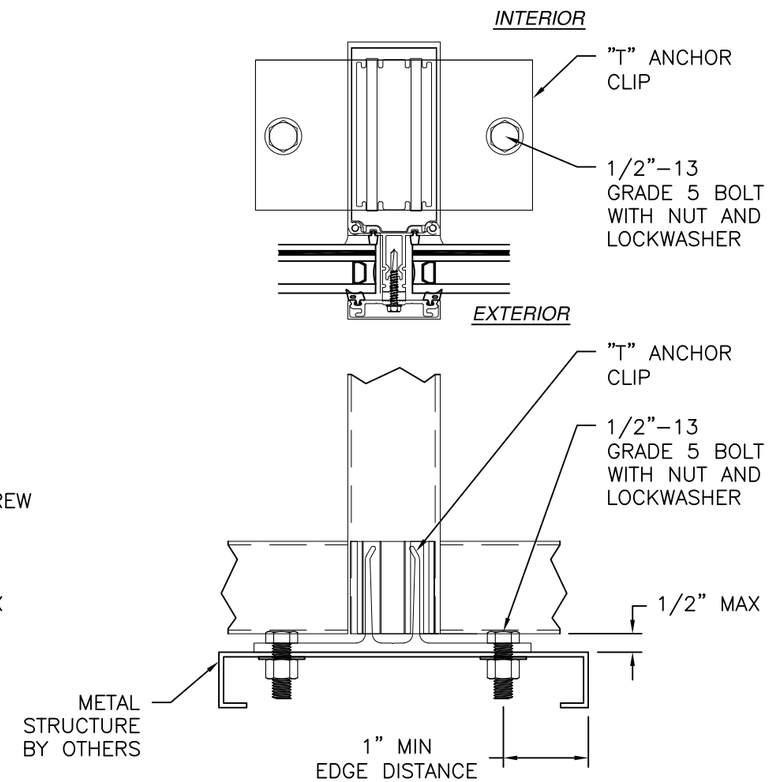
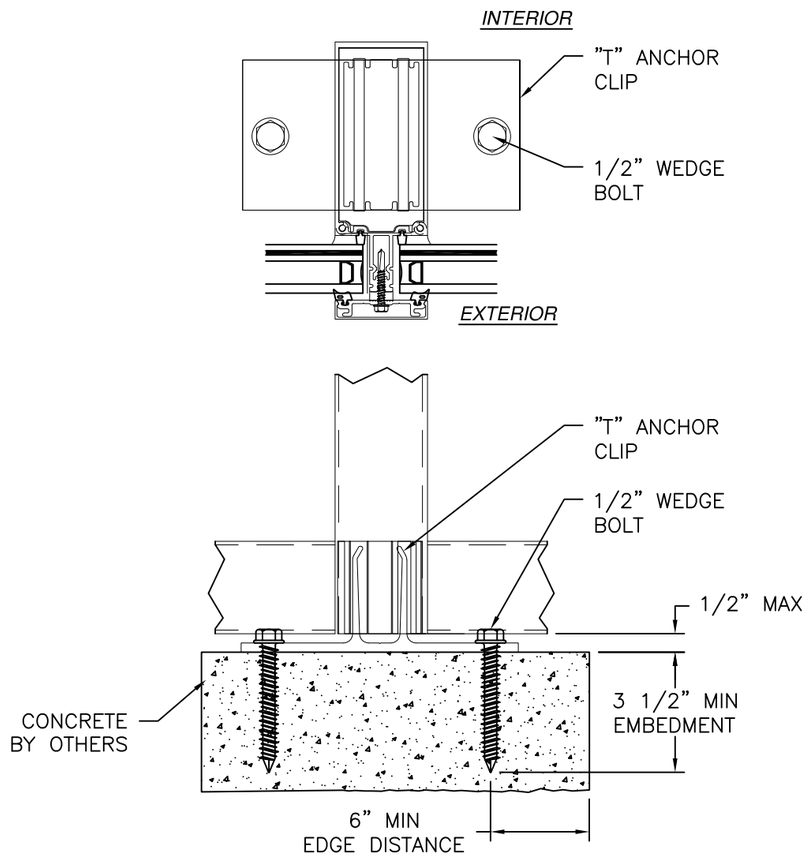
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #10 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #12 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #13 FOR RATINGS

SIGNED: 09/04/2026

NOTES:
1. *INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.*
2. *PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112*

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

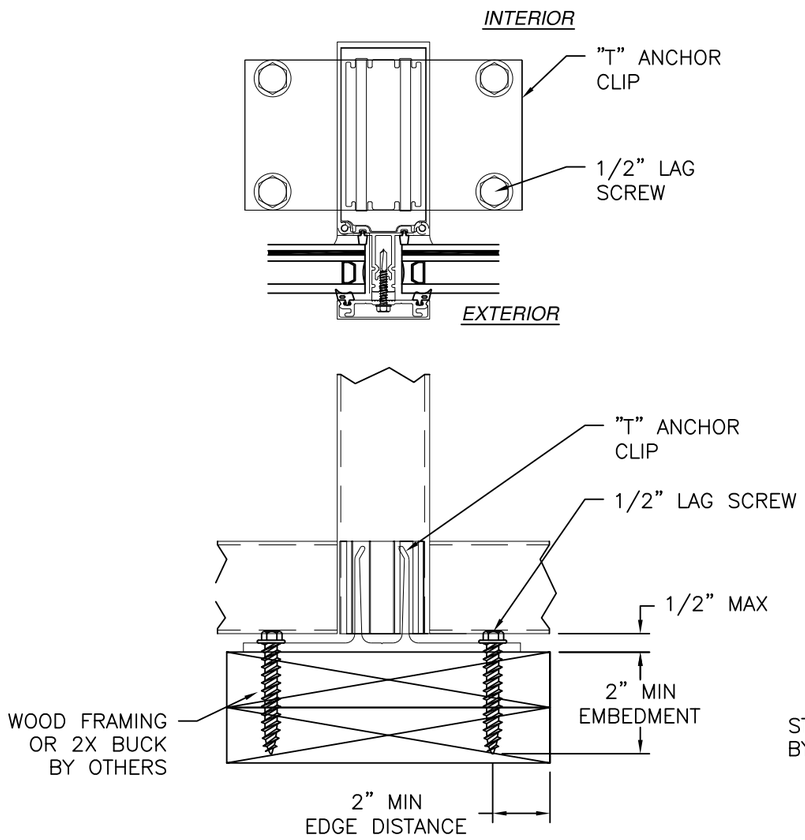
DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 13 OF 24

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

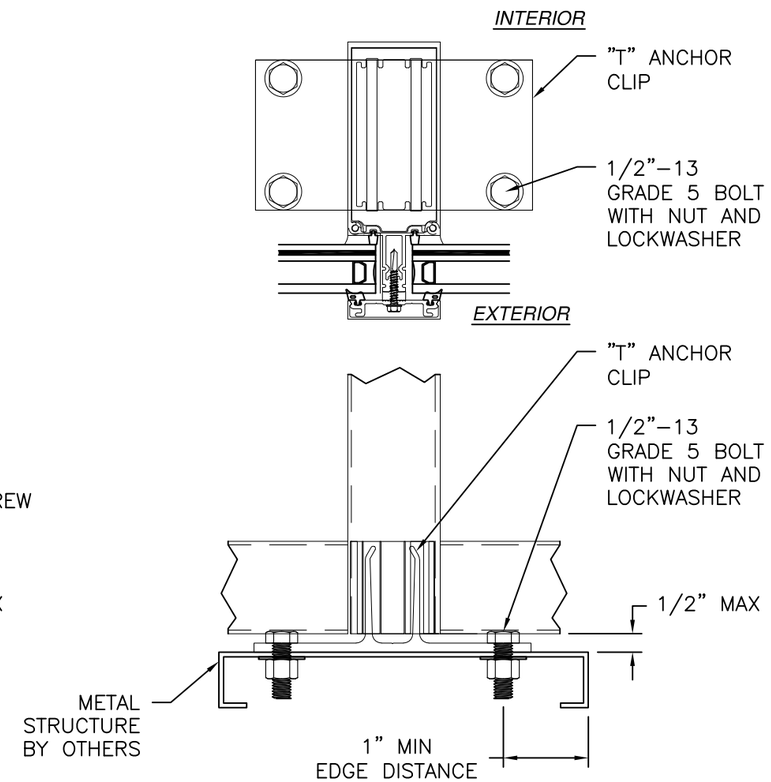
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

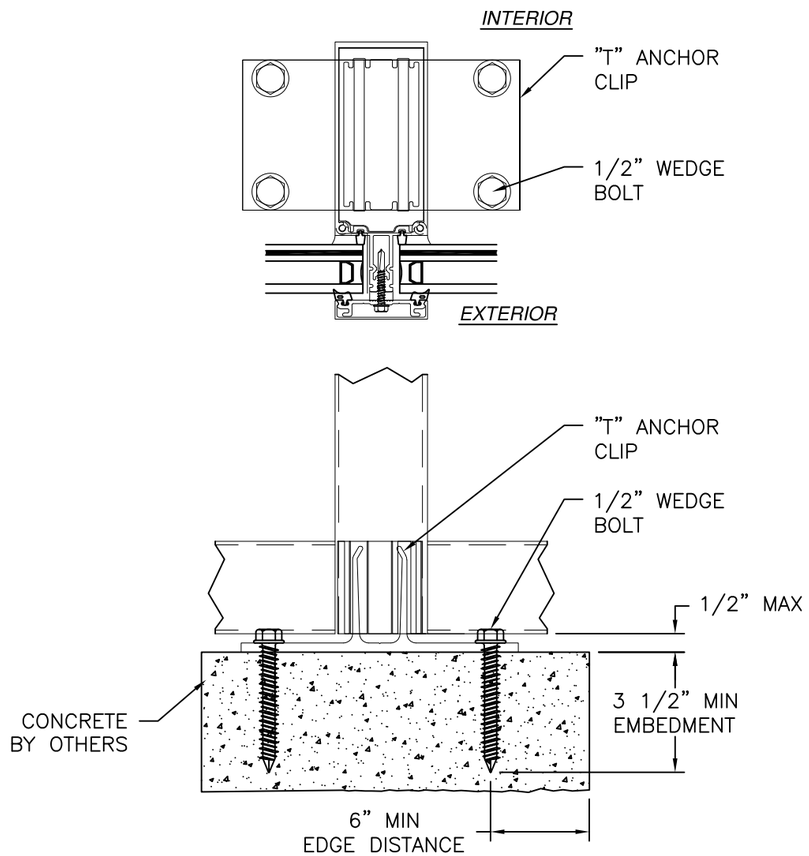
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #11 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #12 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #14 FOR RATINGS

SIGNED: 09/04/2026

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WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 14 OF 24

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

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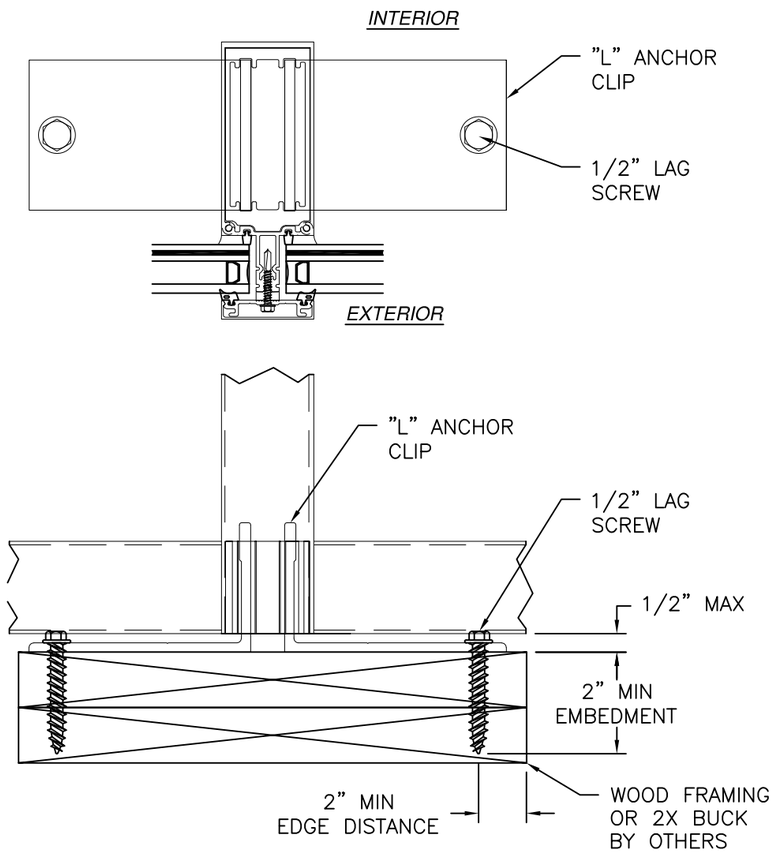
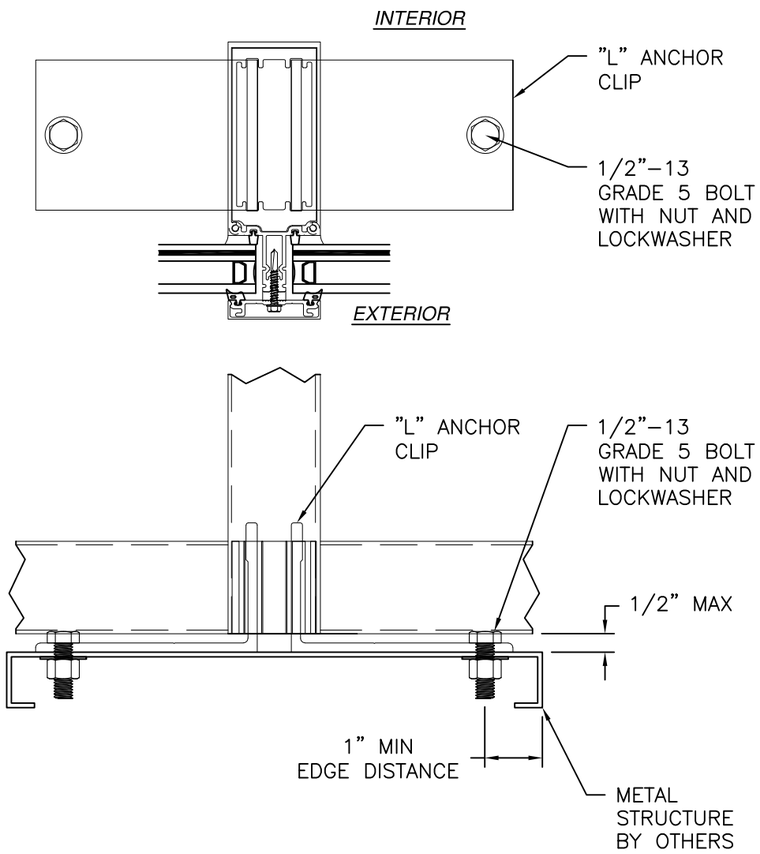
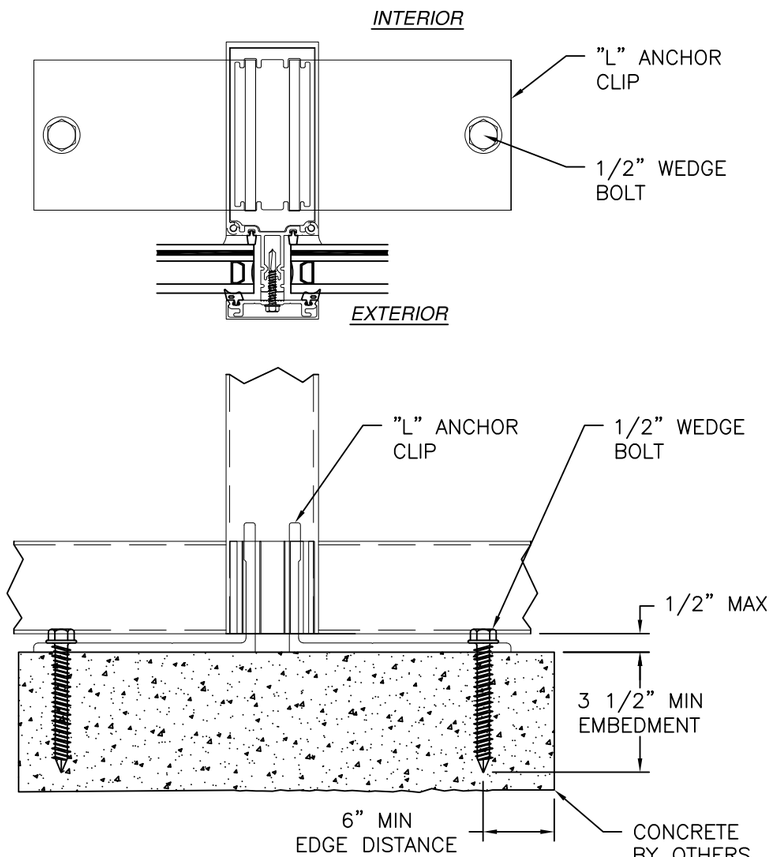
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #10 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #12 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #13 FOR RATINGS

SIGNED: 09/04/2026

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US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 15 OF 24

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

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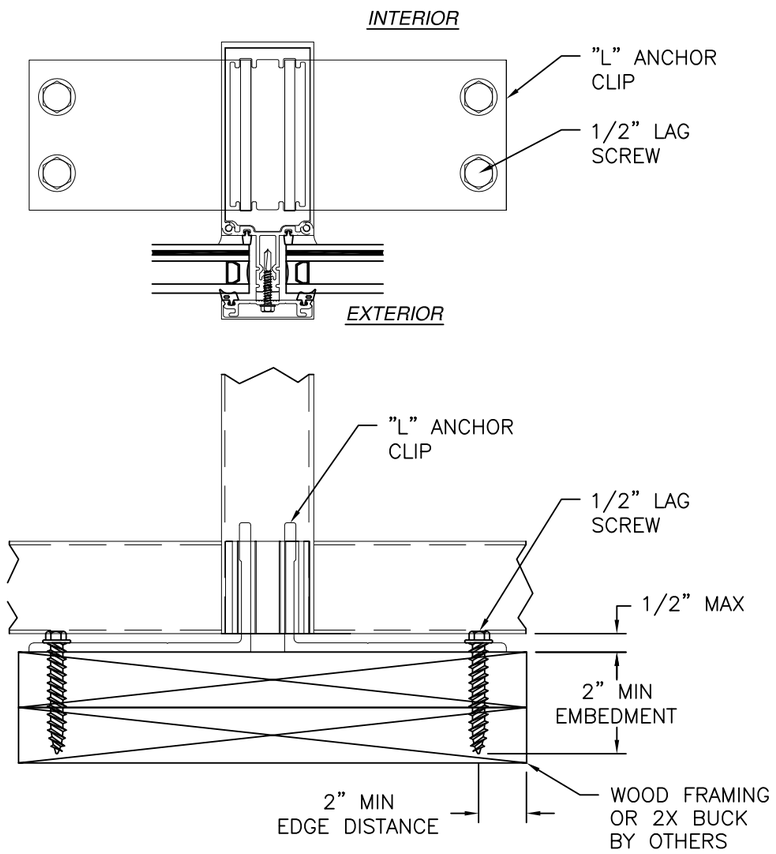
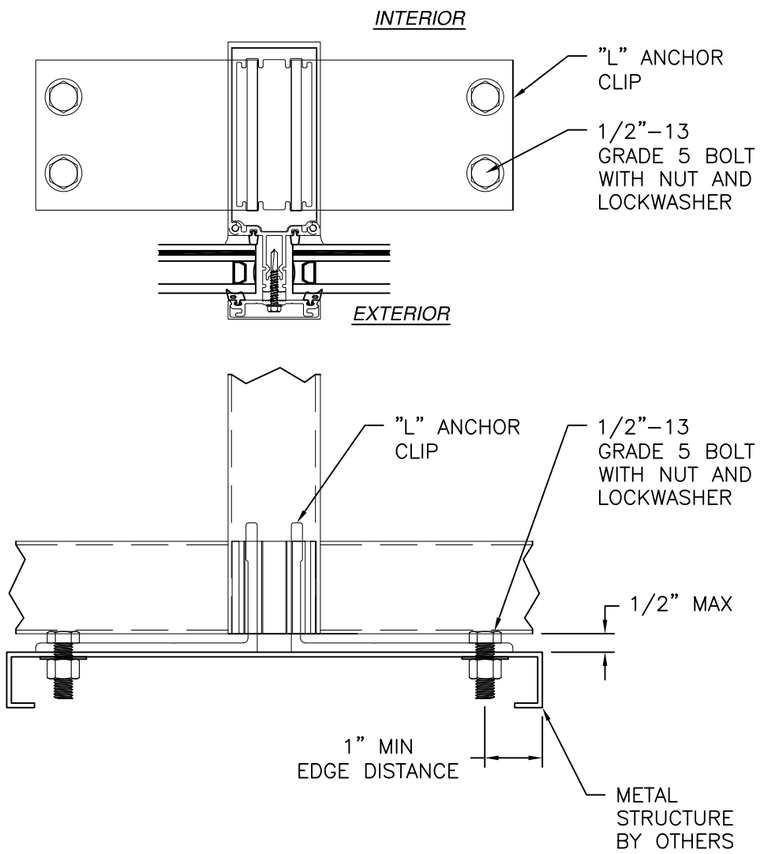
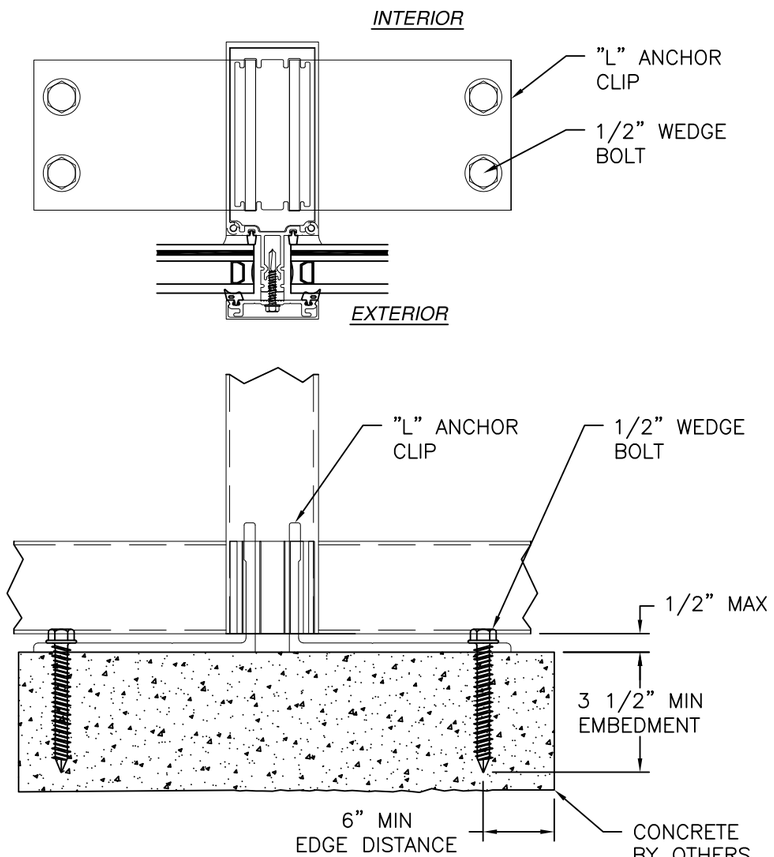
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #11 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #12 FOR RATINGS



MULLION INSTALLATION DETAIL
WITH "L" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #14 FOR RATINGS

SIGNED: 09/04/2026

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WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 16 OF 24

L. ROBERTO LOMAS P.E.
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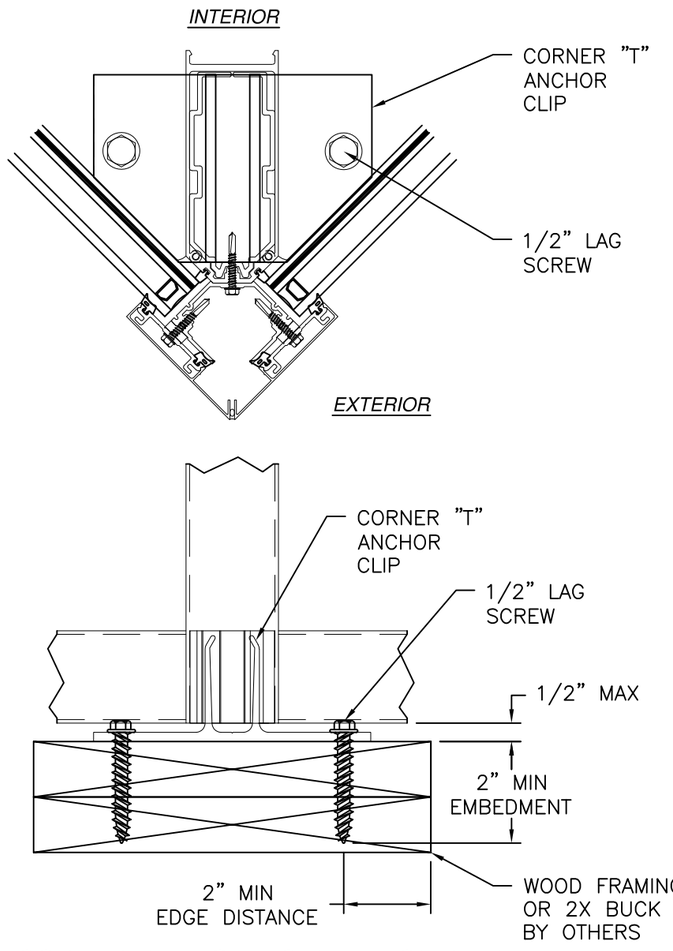
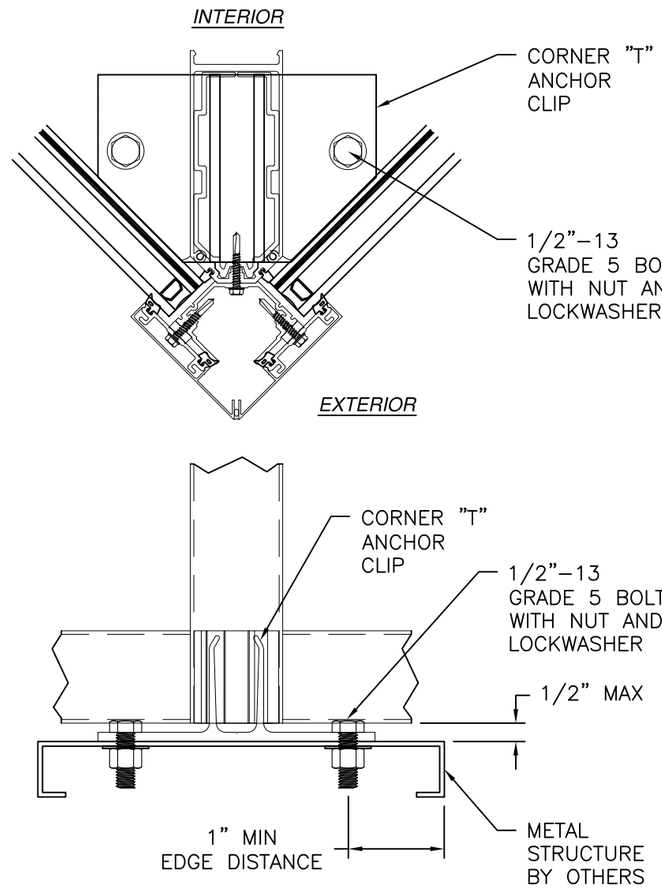
FL No.: 62514

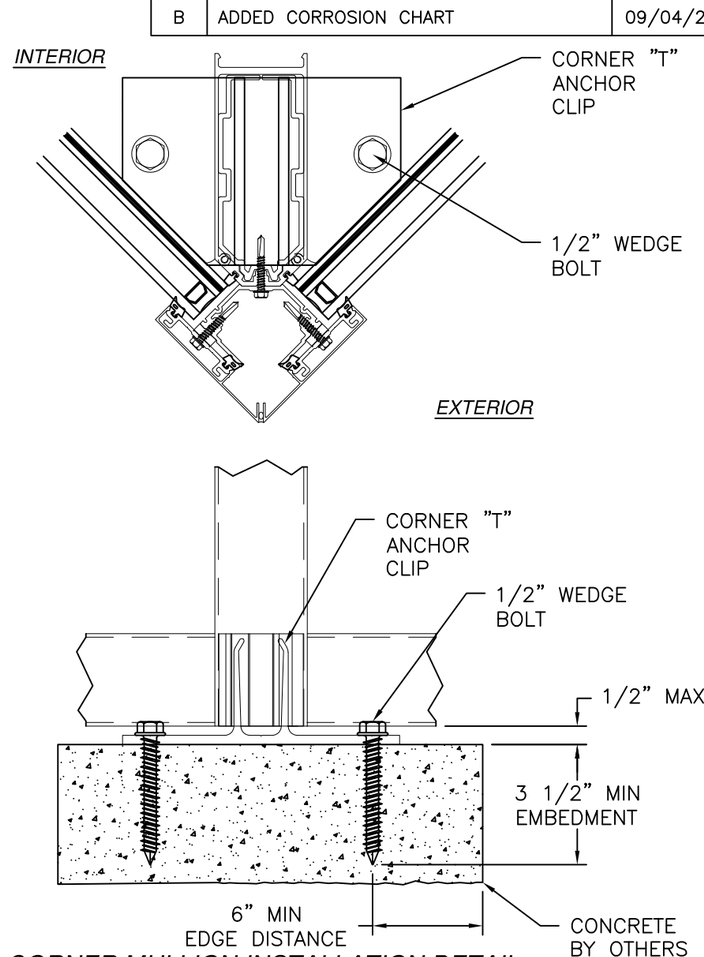
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



CORNER MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
WOOD FRAMING OR 2X BUCK INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #10 FOR RATINGS



CORNER MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
METAL STRUCTURE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #12 FOR RATINGS



CORNER MULLION INSTALLATION DETAIL
WITH "T" ANCHOR CLIP
CONCRETE INSTALLATION
SILL SHOWN, HEAD SIMILAR
SEE CHART #13 FOR RATINGS

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SIGNED: 09/04/2026

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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 17 OF 24

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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.

Chart #6
Design pressure for anchoring into wood with (2) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	89.9
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9	86.1
150.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	90.2	82.7
156.0	100.0	100.0	100.0	100.0	100.0	100.0	95.4	86.7	79.5
162.0	100.0	100.0	100.0	100.0	100.0	100.0	91.9	83.5	76.5
168.0	100.0	100.0	100.0	100.0	100.0	98.4	88.6	80.5	73.8
174.0	100.0	100.0	100.0	100.0	100.0	95.0	85.5	77.7	71.3
175.0	100.0	100.0	100.0	100.0	100.0	94.5	85.0	77.3	70.9

Chart #7
Design pressure for anchoring into wood with (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Chart #8
Design pressure for anchoring into metal structure with (2) or (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Chart #9
Design pressure for anchoring into concrete with (2) or (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Anchors and anchor connectors corrosion resistance chart

Exposure	Distance from coastal shoreline	
	0' up to 300'	>300' up to 3000'
Exterior - partially sheltered	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Exterior - open exposed	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-vented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-unvented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS RATING CHARTS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 18 OF 24

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

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.

Chart #10
Design pressure for anchoring into wood with (2) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9	86.1
78.0	100.0	100.0	100.0	100.0	100.0	100.0	95.4	86.7	79.5
84.0	100.0	100.0	100.0	100.0	100.0	98.4	88.6	80.5	73.8
90.0	100.0	100.0	100.0	100.0	100.0	91.9	82.7	75.2	68.9
96.0	100.0	100.0	100.0	100.0	96.9	86.1	77.5	70.5	64.6
102.0	100.0	100.0	100.0	100.0	91.2	81.0	72.9	66.3	60.8
108.0	100.0	100.0	100.0	98.4	86.1	76.5	68.9	62.6	57.4
114.0	100.0	100.0	100.0	93.2	81.6	72.5	65.3	59.3	54.4
120.0	100.0	100.0	100.0	88.6	77.5	68.9	62.0	56.4	51.7
126.0	100.0	100.0	98.4	84.4	73.8	65.6	59.0	53.7	49.2
132.0	100.0	100.0	93.9	80.5	70.5	62.6	56.4	51.2	47.0
138.0	100.0	100.0	89.9	77.0	67.4	59.9	53.9	49.0	44.9
144.0	100.0	100.0	86.1	73.8	64.6	57.4	51.7	47.0	43.1
150.0	100.0	99.2	82.7	70.9	62.0	55.1	49.6	45.1	41.3
156.0	100.0	95.4	79.5	68.1	59.6	53.0	47.7	43.4	39.7
162.0	100.0	91.9	76.5	65.6	57.4	51.0	45.9	41.8	38.3
168.0	100.0	88.6	73.8	63.3	55.4	49.2	44.3	40.3	36.9
174.0	100.0	85.5	71.3	61.1	53.4	47.5	42.8	38.9	35.6
175.0	100.0	85.0	70.9	60.7	53.1	47.2	42.5	38.6	35.4

Chart #11
Design pressure for anchoring into wood with (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	89.9
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.9	86.1
150.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	90.2	82.7
156.0	100.0	100.0	100.0	100.0	100.0	100.0	95.4	86.7	79.5
162.0	100.0	100.0	100.0	100.0	100.0	100.0	91.9	83.5	76.5
168.0	100.0	100.0	100.0	100.0	100.0	98.4	88.6	80.5	73.8
174.0	100.0	100.0	100.0	100.0	100.0	95.0	85.5	77.7	71.3
175.0	100.0	100.0	100.0	100.0	100.0	94.5	85.0	77.3	70.9

Chart #12
Design pressure for anchoring into metal structure with (2) or (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Chart #13
Design pressure for anchoring into concrete with (2) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.8
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.2	89.1
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.4	85.6
162.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	90.0	82.5
168.0	100.0	100.0	100.0	100.0	100.0	100.0	95.4	86.8	79.5
174.0	100.0	100.0	100.0	100.0	100.0	100.0	92.1	83.8	76.8
175.0	100.0	100.0	100.0	100.0	100.0	100.0	91.6	83.3	76.3

Chart #14
Design pressure for anchoring into concrete with (4) anchors per clip

Frame Height (in)	Tributary width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
126.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
132.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
138.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
144.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
156.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
162.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
168.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
174.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SIGNED: 09/04/2026

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950 SOLON RD.
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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
INSTALLATION DETAILS RATING CHARTS

DRAWN:	DWG NO.	REV
R.L.	08-03021	B
SCALE NTS	DATE 12/07/16	SHEET 19 OF 24

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

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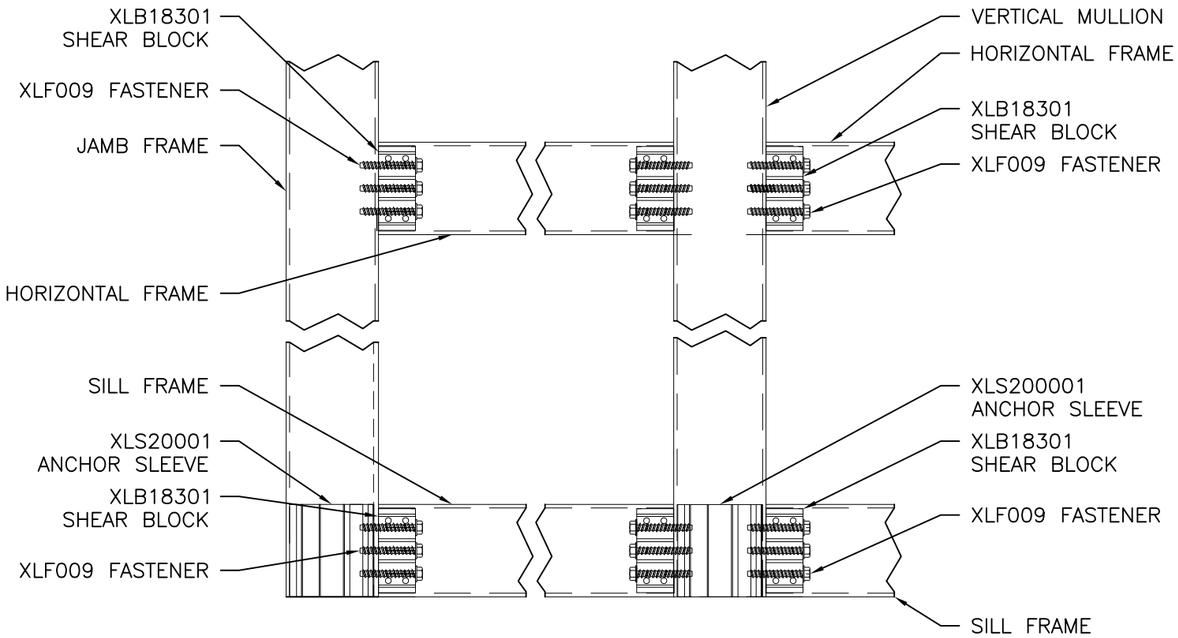
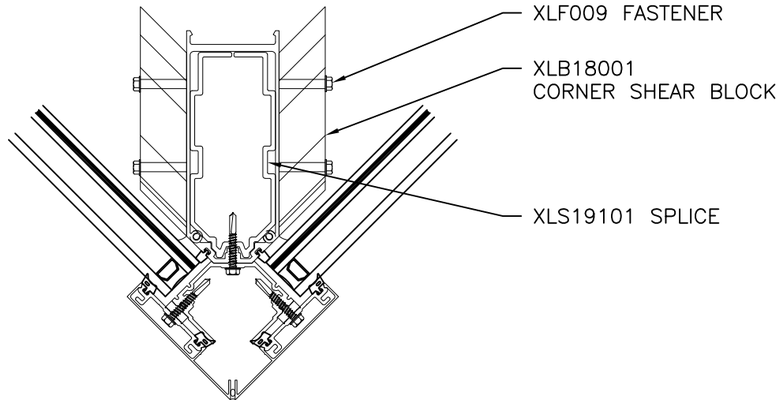
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



FRAME CONNECTION DETAIL
SILL SHOWN, HEAD SIMILAR



CORNER FRAME CONNECTION DETAIL
SILL SHOWN, HEAD SIMILAR

SIGNED: 09/04/2026

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STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
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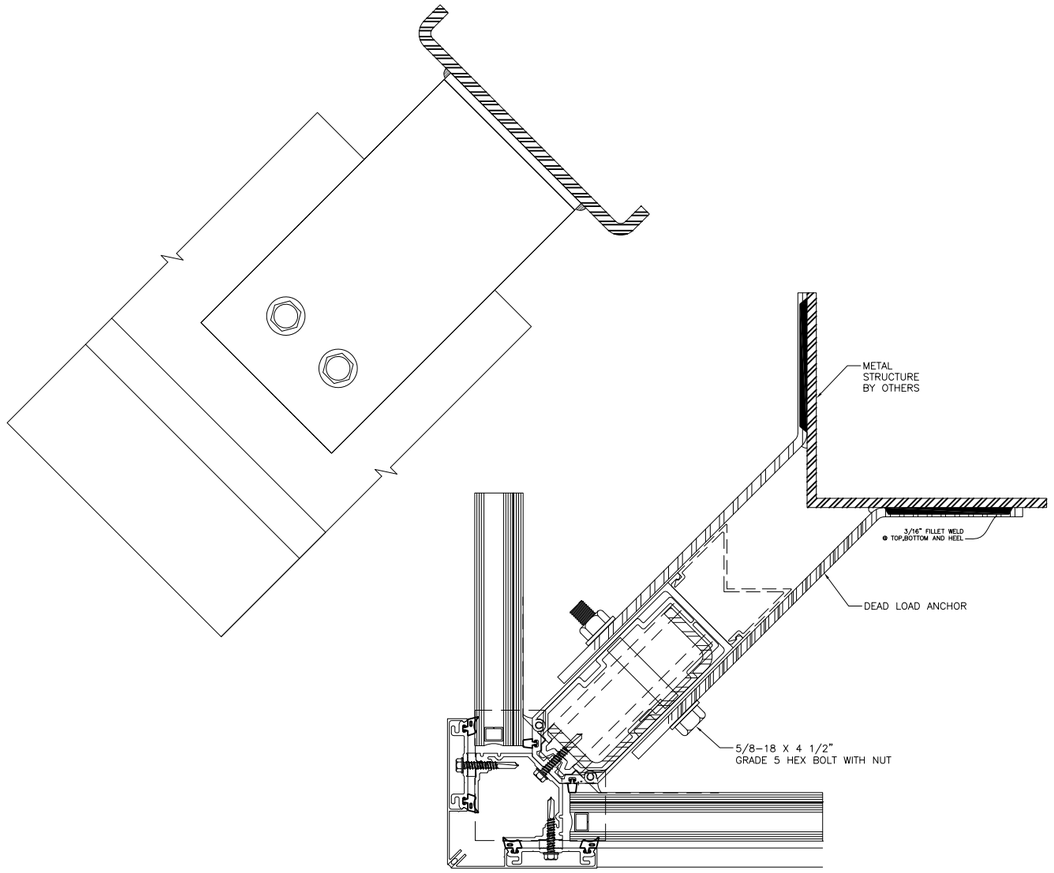
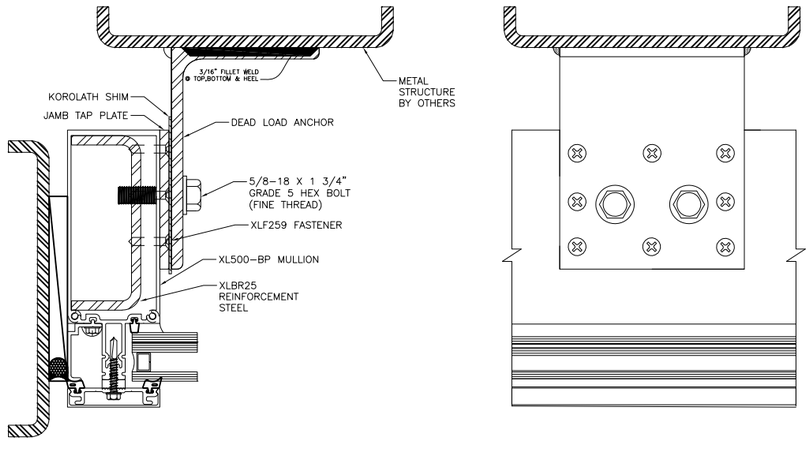
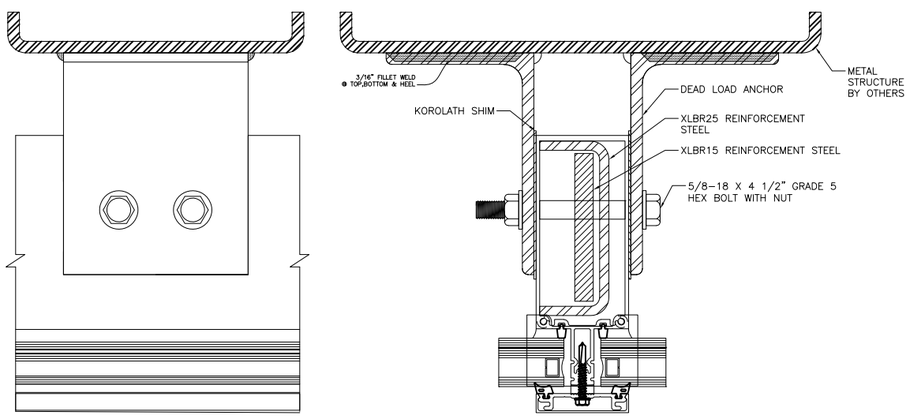


CORNER DEAD LOAD ANCHORS AT MIDSPAN DETAIL



JAMB DEAD LOAD ANCHORS AT MIDSPAN DETAIL



MULLION DEAD LOAD ANCHORS AT MIDSPAN DETAIL

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US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
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208 7th Ave, INDIALANTIC, FL 32903
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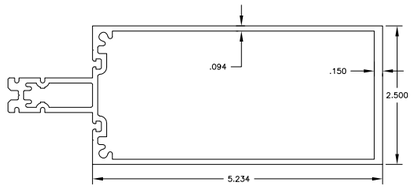
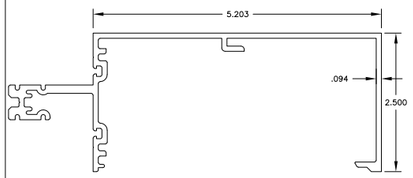
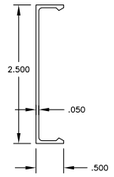
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



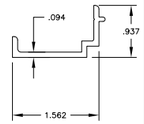
XL500-BP MULLION



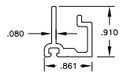
XL532-BP ROLL OVER HORIZONTAL



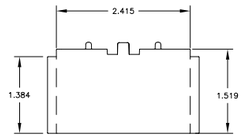
XL110-BP FACE CAP



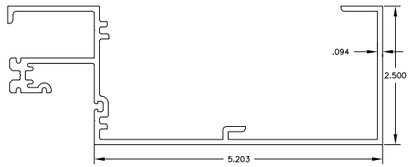
XL122-BP FILLER



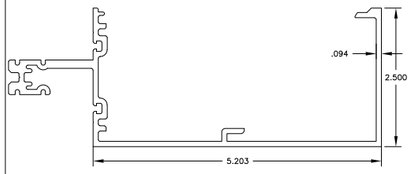
XL130-BP ADAPTOR



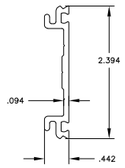
XLD350 SSG BRIDGE



XL501-BP HEAD

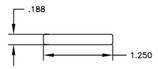


XL533-BP ROLL UNDER HORIZONTAL

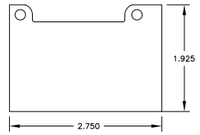


XL162-BP PRESSURE PLATE

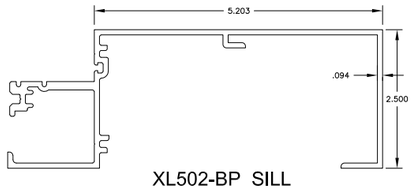
XLSB2101 SETTING BLOCK



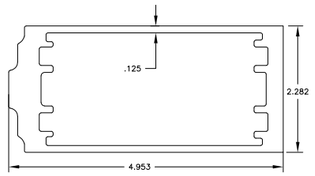
XLSB2102 SETTING BLOCK



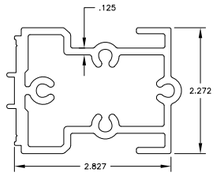
XLC338 JAMB CAP



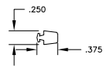
XL502-BP SILL



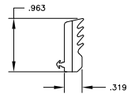
XLS200 STANDARD SLEEVE



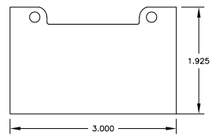
XLB18301 SHEAR BLOCK



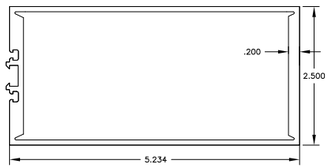
FG-5185 GASKET



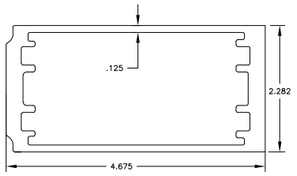
XLG1015 GASKET



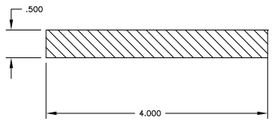
XLC325 MULL CAP



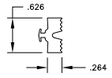
XL504-BP SSG MULLION



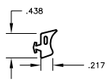
XLS20101 HEAVY SLEEVE



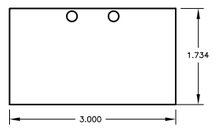
XLBR15 STEEL REINFORCEMENT



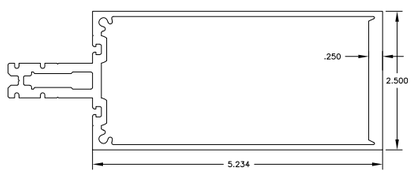
XLG107 ISOLATOR



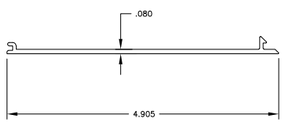
XLG117 GASKET



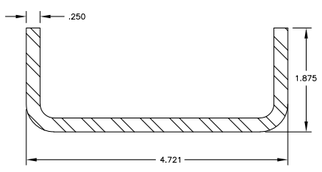
XLS358 SSG MULL CAP



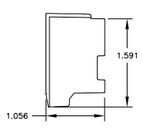
XL510-BP HEAVY MULLION



XL237-BP FILLER



XLBR25 STEEL REINFORCEMENT



XLD352 ZONE PLUG

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
COMPONENTS

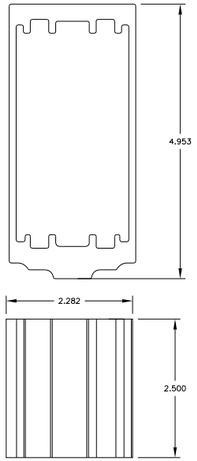
DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 22 OF 24

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

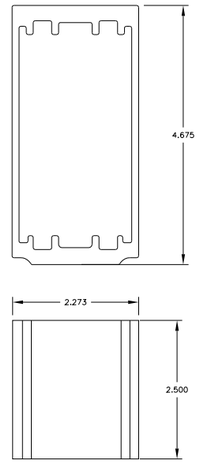
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

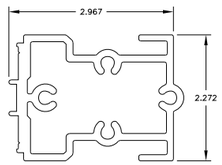
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



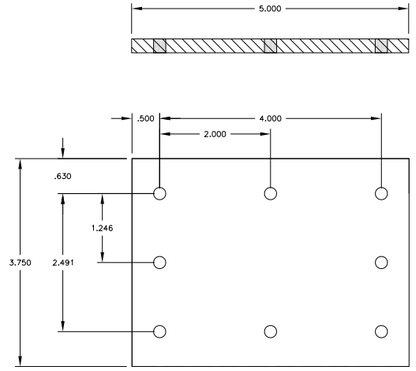
XLS20001
STANDARD ANCHOR SLEEVE



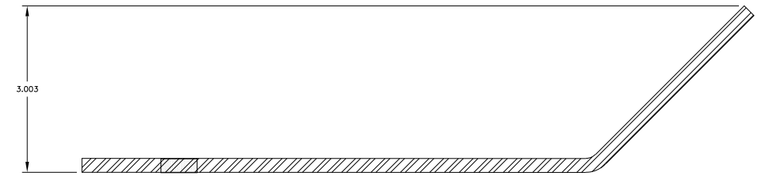
XLS20101 HEAVY
ANCHOR SLEEVE

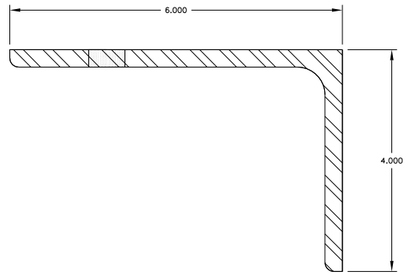


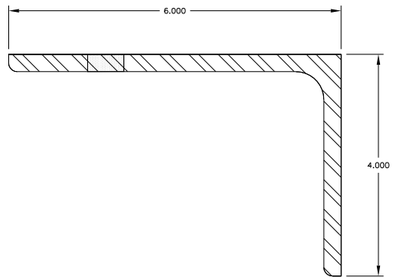
XLB18301
SHEAR BLOCK

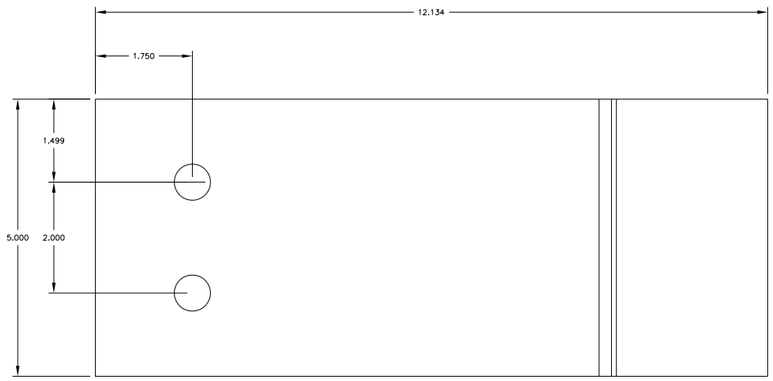


JAMB TAP PLATE
1/4" STEEL

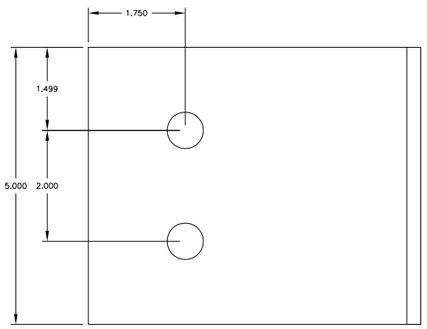




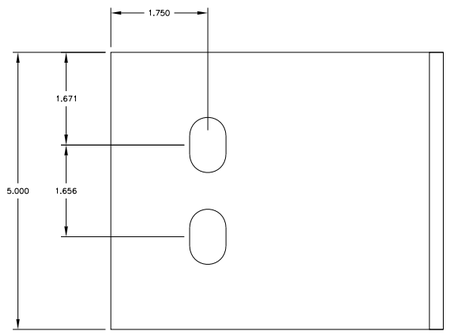




CORNER DEAD LOAD
ANCHOR
5/16" STEEL ANGLE



DEAD LOAD ANCHOR
5/16" STEEL ANGLE



WIND LOAD ANCHOR
5/16" STEEL ANGLE

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
COMPONENTS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 23 OF 24

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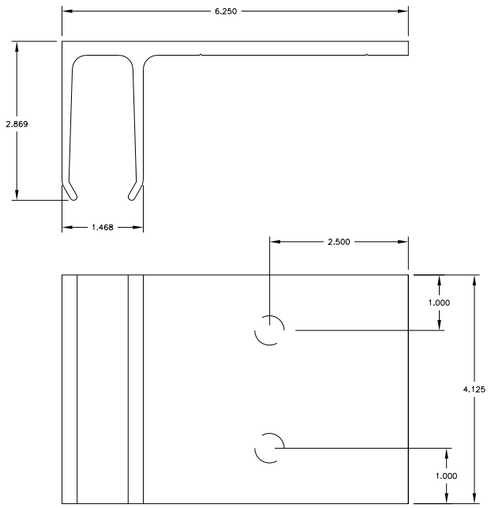
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

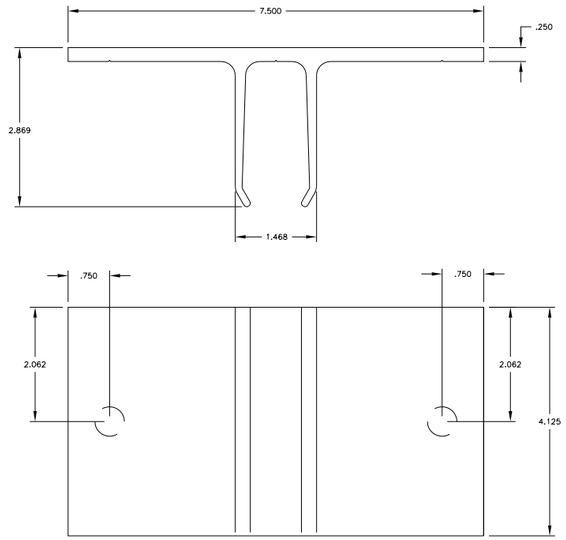
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

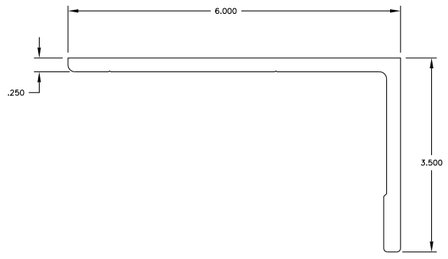
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED CORROSION CHART	09/04/26	R.L.



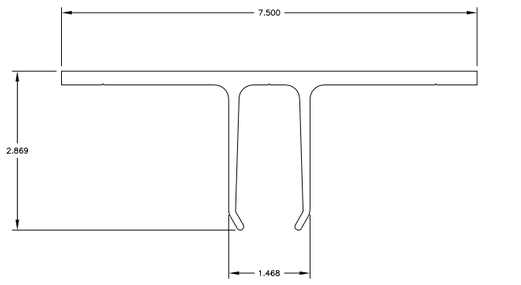
XLA10301 "F" ANCHOR CLIP
6063-T6 ALUMINUM



XLA10501 "T" ANCHOR CLIP
6063-T6 ALUMINUM



XLA17401 "L" ANCHOR CLIP
6063-T6 ALUMINUM



XLA10503 CORNER "T" ANCHOR CLIP
6063-T6 ALUMINUM

SIGNED: 09/04/2026

US ALUMINUM
950 SOLON RD.
WAXAHACHIE, TX 75165

STORM WALL XL HURRICANE RESISTANT
CURTAIN WALL – WET GLAZED – SMI HVHZ
COMPONENTS

DRAWN:	DWG NO.	REV
R.L.	08–03021	B
SCALE NTS	DATE 12/07/16	SHEET 24 OF 24

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

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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