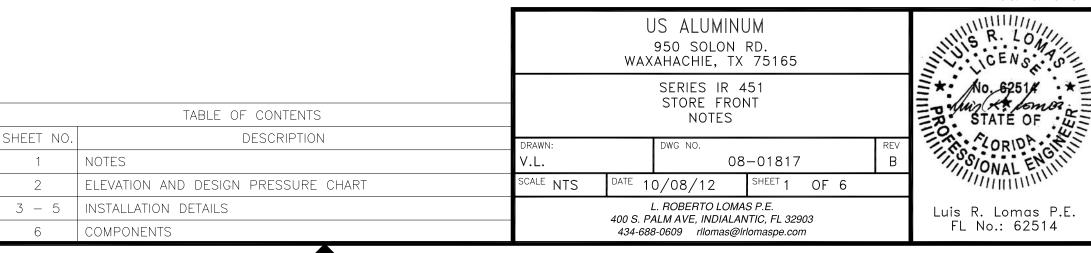
	REVISIONS								
REV	DESCRIPTION	DATE	APPROVED						
В	CHANGE MANUFACTURER'S NAME	03/28/2023	R.L.						

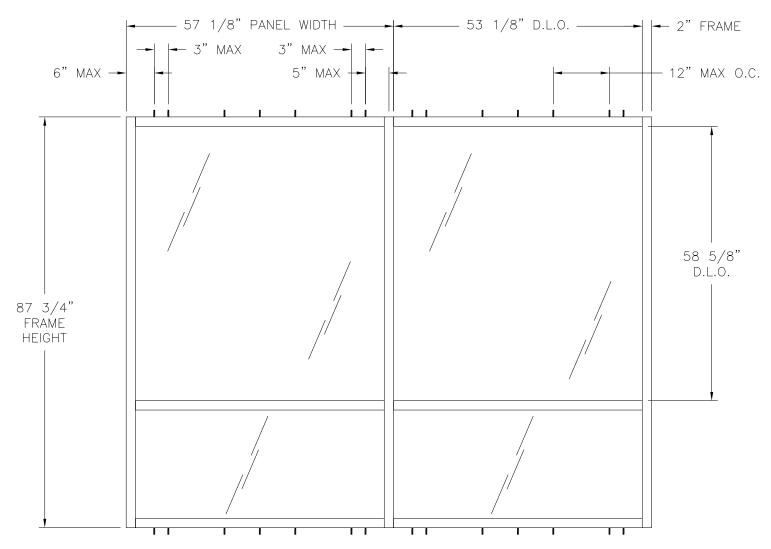
NOTES:

- 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. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
- 4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 7. 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 1/4".
- 8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T5.
- 11. UNITS MUST BE GLAZED PER ASTM E1300.
- 12. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE, LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

- 14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS
- 15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. ALL FASTENERS TO BE CORROSION RESISTANT.
- 17. 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 Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM



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SERIES IT 451 STORE FRONT

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATION ARE APPROVED AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USES VERTICAL CONDITIONS AS SHOWN.

DESIGN PRESSURE RATING	IMPACT RATING
±25PSF	NONE

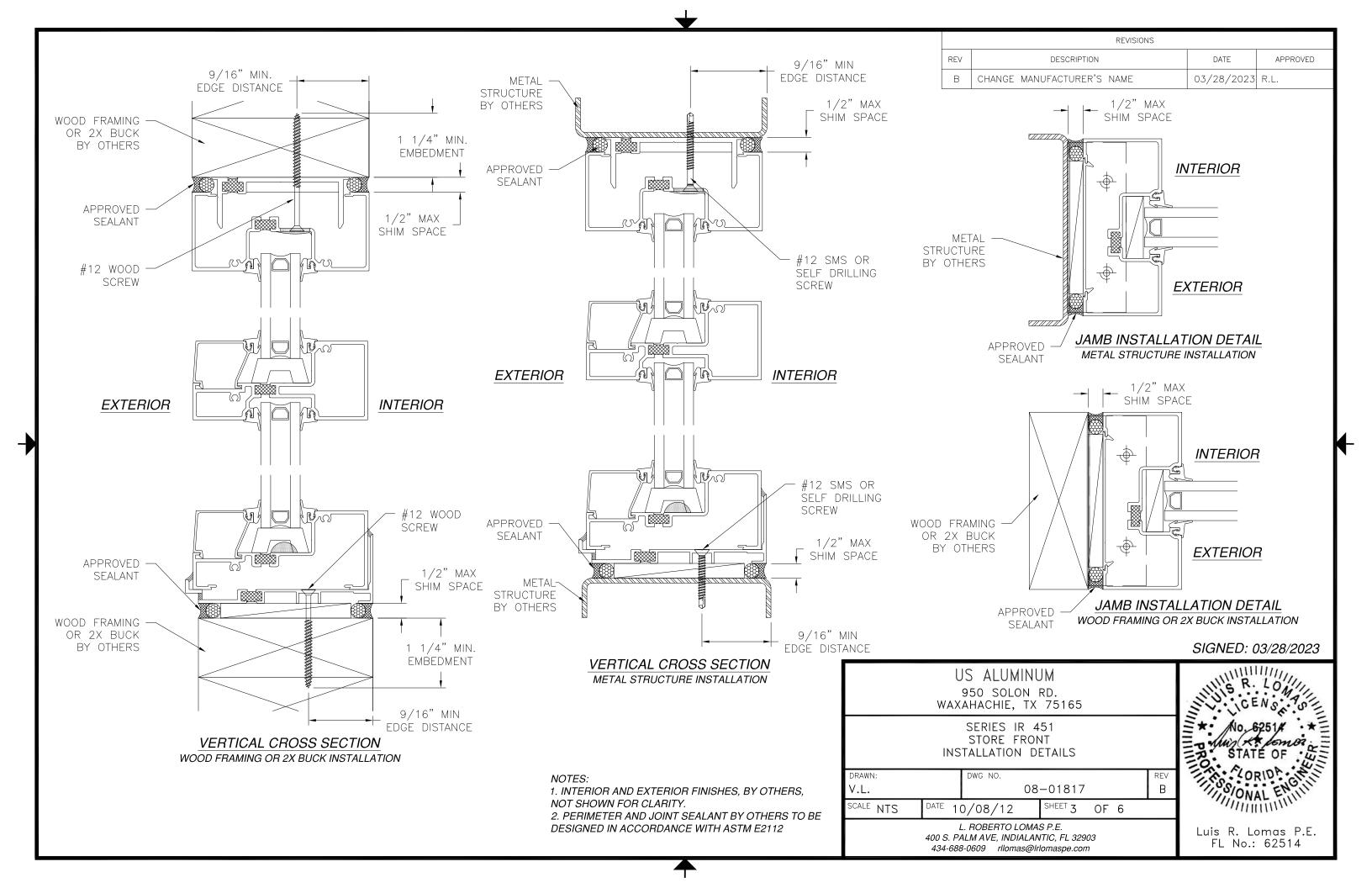
OTHER SIZES APPROVED, SEE CHART #1 THIS SHEET

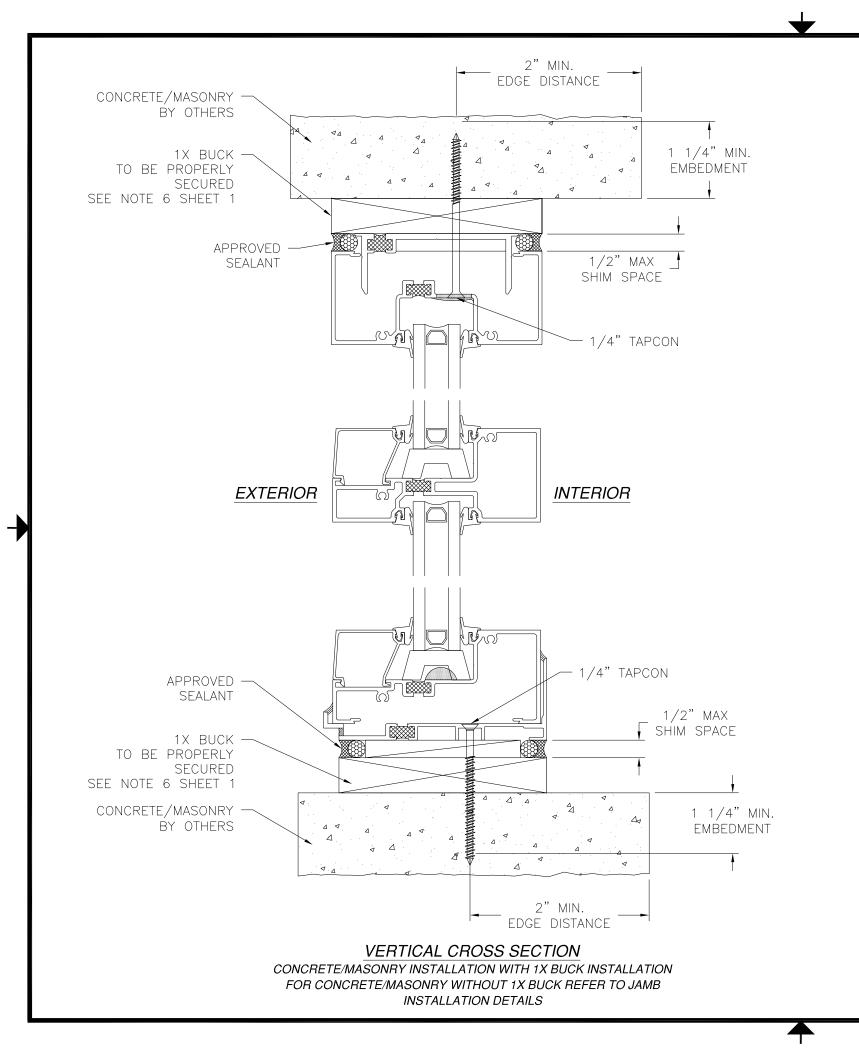
CHART #1

Maximum design pressure capacity chart (psf)

waxiii desigii pressure capacity chart (psi)														
Frame	Single Panel Width (in)													
Height	24.00		30.00		36.00		42.00		48.00		54.00		57.13	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.00	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
30.00	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
36.00	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
42.00	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
48.00	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
54.00	66.7	66.7	66.7	66.7	65.2	65.2	61.0	61.0	58.7	58.7	58.0	58.0	58.0	58.0
60.00	66.7	66.7	62.6	62.6	55.9	55.9	51.6	51.6	48.9	48.9	47.4	47.4	47.1	47.1
66.00	65.2	65.2	55.2	55.2	48.9	48.9	44.7	44.7	41.9	41.9	40.1	40.1	39.5	39.5
72.00	58.7	58.7	49.4	49.4	43.5	43.5	39.5	39.5	36.7	36.7	34.8	34.8	34.1	34.1
78.00	53.4	53.4	44.7	44.7	39.1	39.1	35.3	35.3	32.6	32.6	30.7	30.7	29.9	29.9
84.00	48.9	48.9	40.8	40.8	35.6	35.6	31.9	31.9	29.3	29.3	27.5	27.5	26.7	26.7
87.75	46.5	46.5	38.7	38.7	33.7	33.7	30.2	30.2	27.6	27.6	25.8	25.8	25.0	25.0

) WAW	IN CENSON				
ELEVATION A	No. 62514 * No. 62514 * STATE OF				
DRAWN: V.L.	DWG NO.	-01817		REV B	SONAL ENGINE
SCALE NTS DATE 1	0/08/12	SHEET 2	OF 6		MANIMAN
400 S. P. 434-686	Luis R. Lomas P.E. FL No.: 62514				

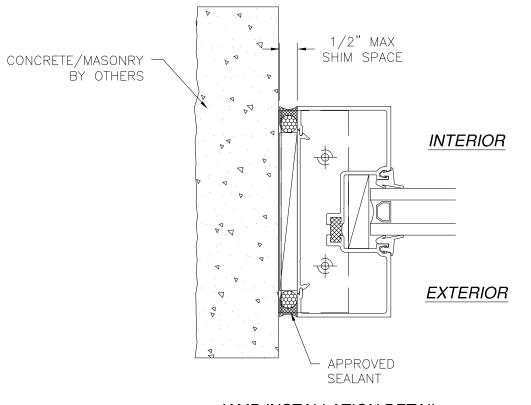




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REV DESCRIPTION DATE APPROVED

B CHANGE MANUFACTURER'S NAME 03/28/2023 R.L.

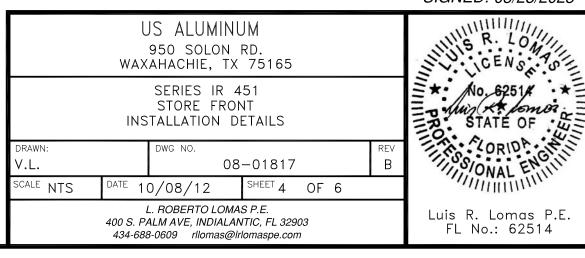


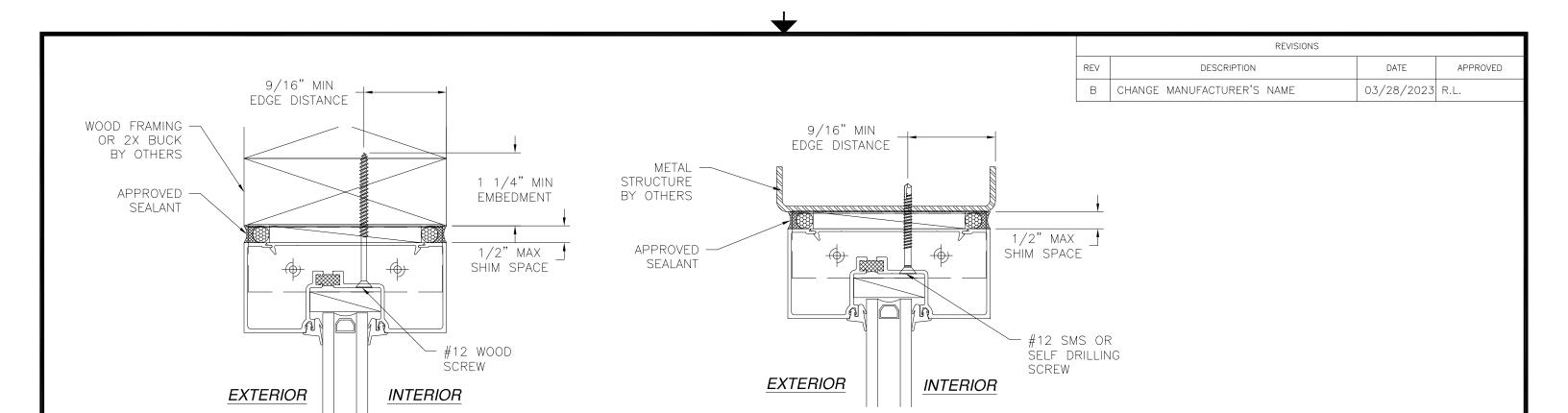
JAMB INSTALLATION DETAIL

CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO HEAD AND SILL INSTALLATION DETAILS

NOTES:

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

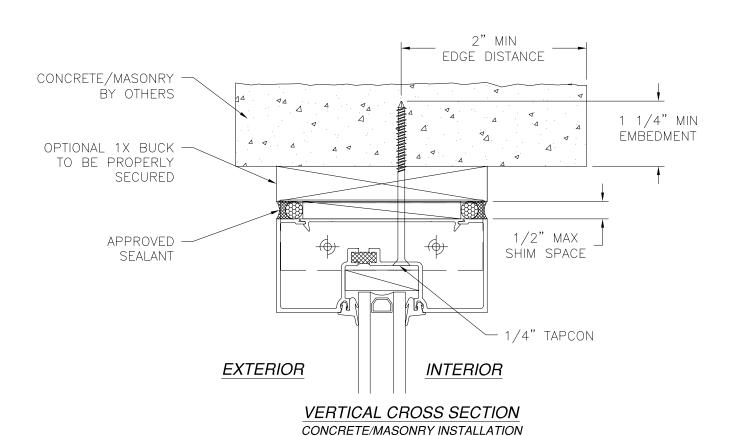




VERTICAL CROSS SECTION

METAL STRUCTURE INSTALLATION

OPTIONAL HEAD CONFIGURATION



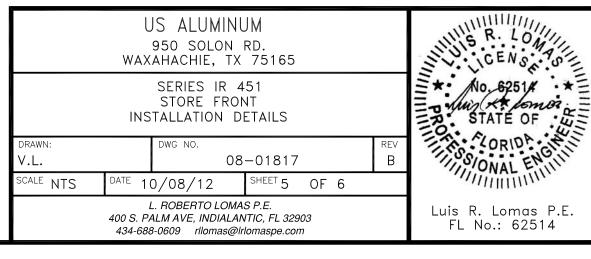
OPTIONAL HEAD CONFIGURATION

VERTICAL CROSS SECTION

WOOD FRAMING OR 2X BUCK INSTALLATION

OPTIONAL HEAD CONFIGURATION

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



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