

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	02/25/2021	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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW 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.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. 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".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T5.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. 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.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f'm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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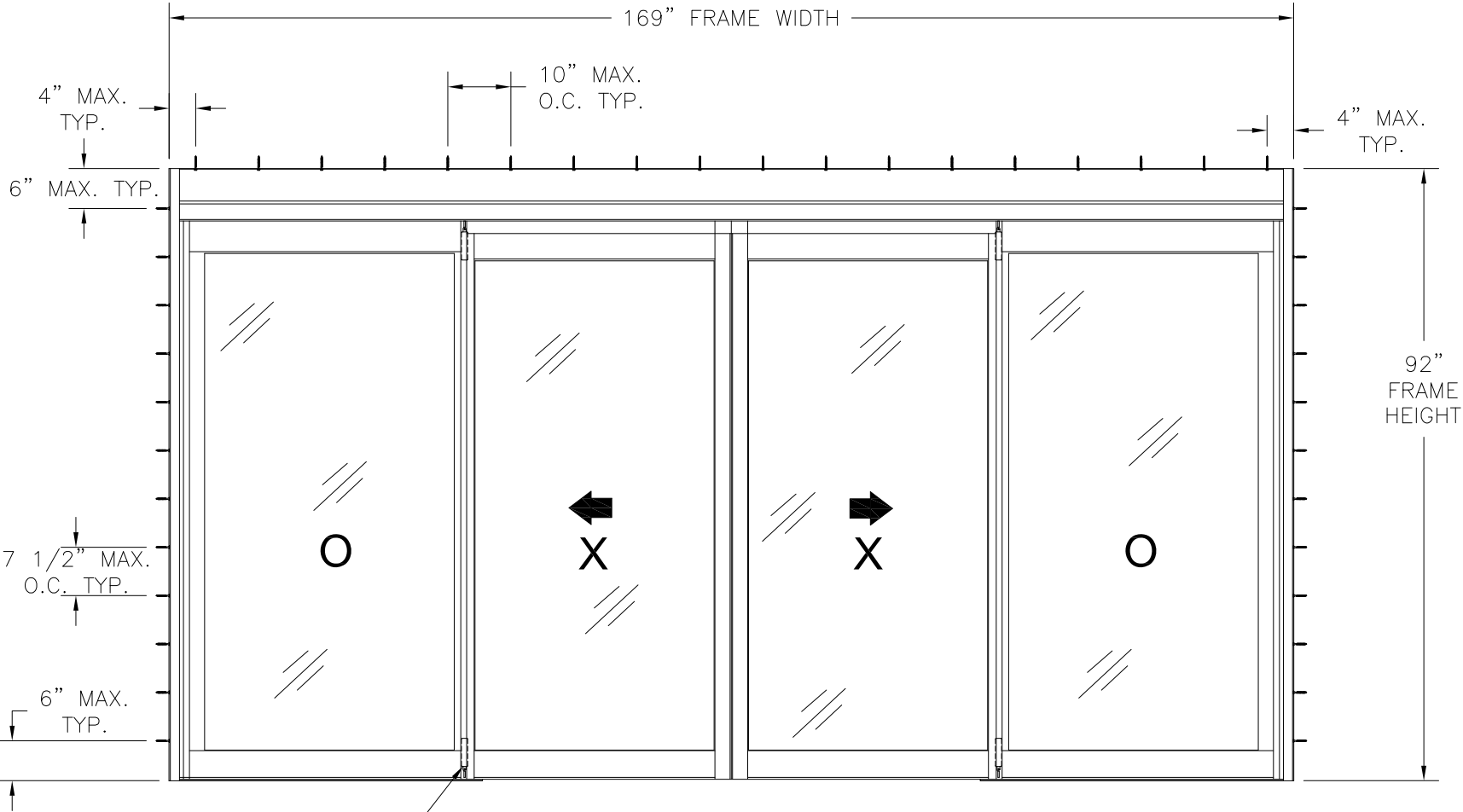
PORTALP USA INC. 2318 J AND C BLVD NAPLES, FL 34109		
"DIVA" ALUMINUM AUTOMATIC SLIDING DOOR IMPACT - HVHZ NOTES		
DRAWN: TJH	DWG NO. 08-00989	REV C
SCALE NTS	DATE 04/27/10	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 03/01/2021



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

REVISIONS			
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SLIDING PANEL SIZE: 41 3/16" x 81 1/4"
FIXED PANEL SIZE: 43 5/8" x 82 1/2"
SLIDING PANEL D.L.O.: 35 15/16" x 73 7/16"
FIXED PANEL D.L.O.: 36 7/16" x 74 9/16"

"DIVA" ALUMINUM AUTOMATIC SLIDING DOOR
EXTERIOR VIEW

FLUSH BOLT
TOP AND BOTTOM
EXTERIOR PANELS, TYP.

DESIGN PRESSURE RATING	IMPACT RATING
±55PSF	
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

MAXIMUM OF 4 PANELS ARE APPROVED IN UNLIMITED CONFIGURATIONS
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 24.99 FT² AND
FRAME DOES NOT EXCEED DIMENSIONS LISTED ABOVE

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2318 J AND C BLVD
NAPLES, FL 34109

"DIVA" ALUMINUM AUTOMATIC SLIDING DOOR
IMPACT – HVHZ
ELEVATION AND ANCHORING

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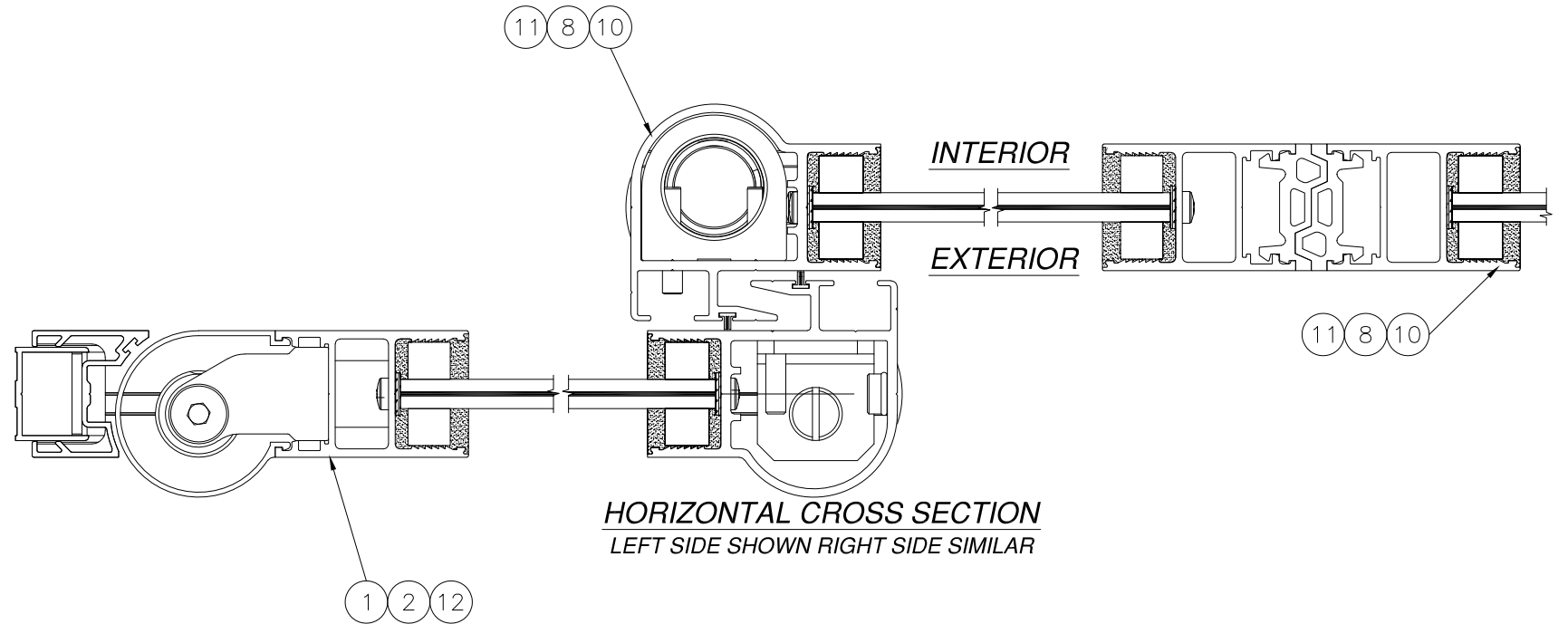
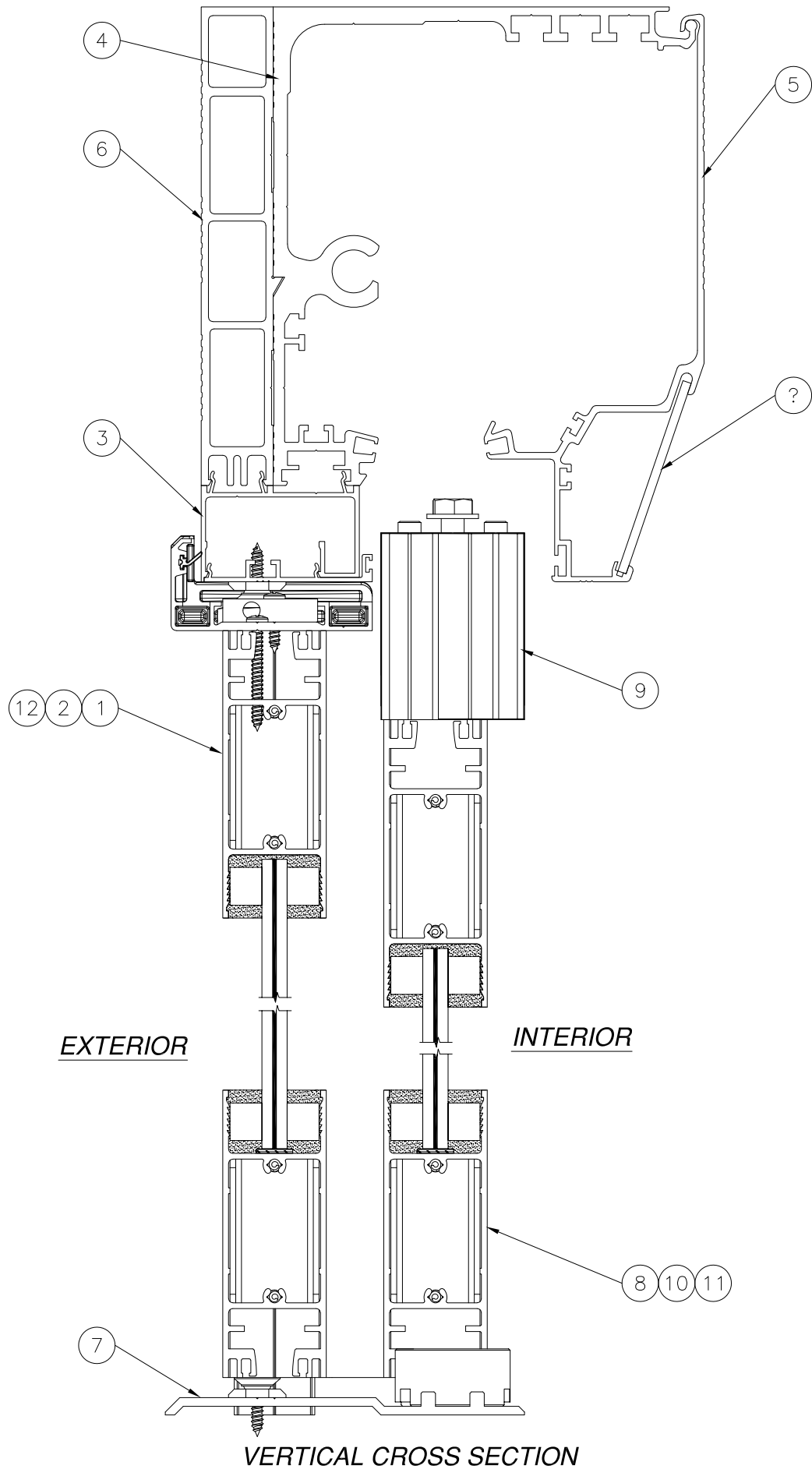
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SHEET
2 OF 8

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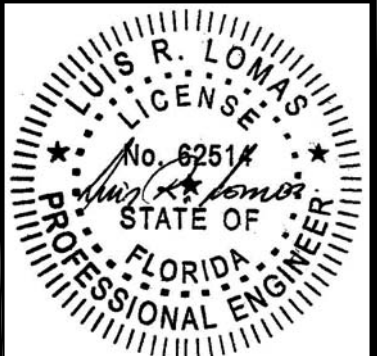
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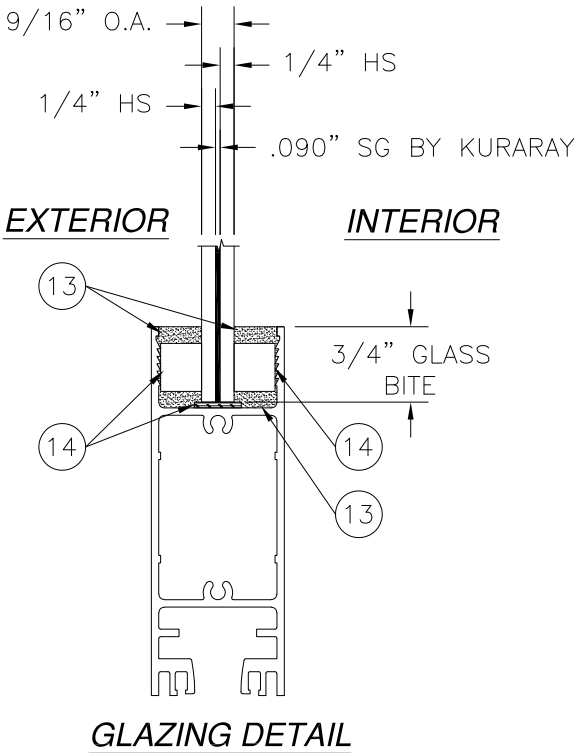
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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	PD 05742	SEMI-FIXED LEAF ASSEMBLY	PORTALP	
2	PE 4671	PIVOT SEMI-FIXED	PORTALP	
3	BAS 052544	FRAME HEADER SEMI FIXED LEAF	PORTALP	ALUMINUM 6063-T5
4	EQU 051800	MOTOR BOX BASE	PORTALP	ALUMINUM 6063-T5
5	CAP 050002	MOTOR BOX CLOSER	PORTALP	ALUMINUM 6063-T5
6	REN 052546	MOTOR BOX REINFORCEMENT	PORTALP	ALUMINUM 6063-T5
7	PRO 000707	SEMI-FIXED LEAF SILL	PORTALP	ALUMINUM 6063-T5
8	PD 5805	SLIDING LEAF ASSEMBLY	PORTALP	
9	PE 4667	BEAM CHISEL	PORTALP	ALUMINUM 6063-T5
10	PE 4672	LOW PIVOT, SLIDING	PORTALP	
11	PE 4673	TOP PIVOT, SLIDING	PORTALP	
12	PE 4668	FLUSH BOLT	PORTALP	
13	DOW 995	GLAZING COMPOUND	DOW CORNING	SILICONE
14	V1510	GLAZING SETTING BLOCK	FRANK LOWE	VINYL FOAM



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NAPLES, FL 34109

"DIVA" ALUMINUM AUTOMATIC SLIDING DOOR
IMPACT - HVHZ
GLAZING DETAIL AND B.O.M.

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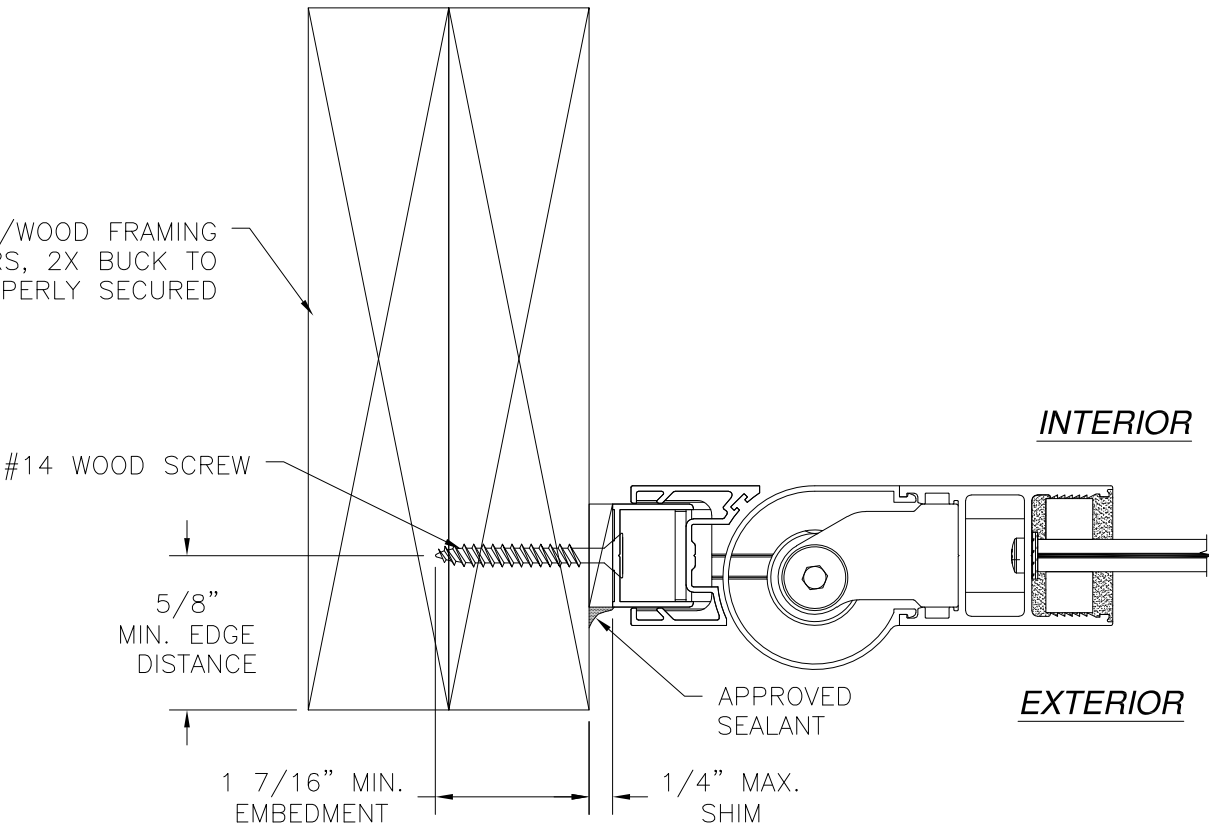
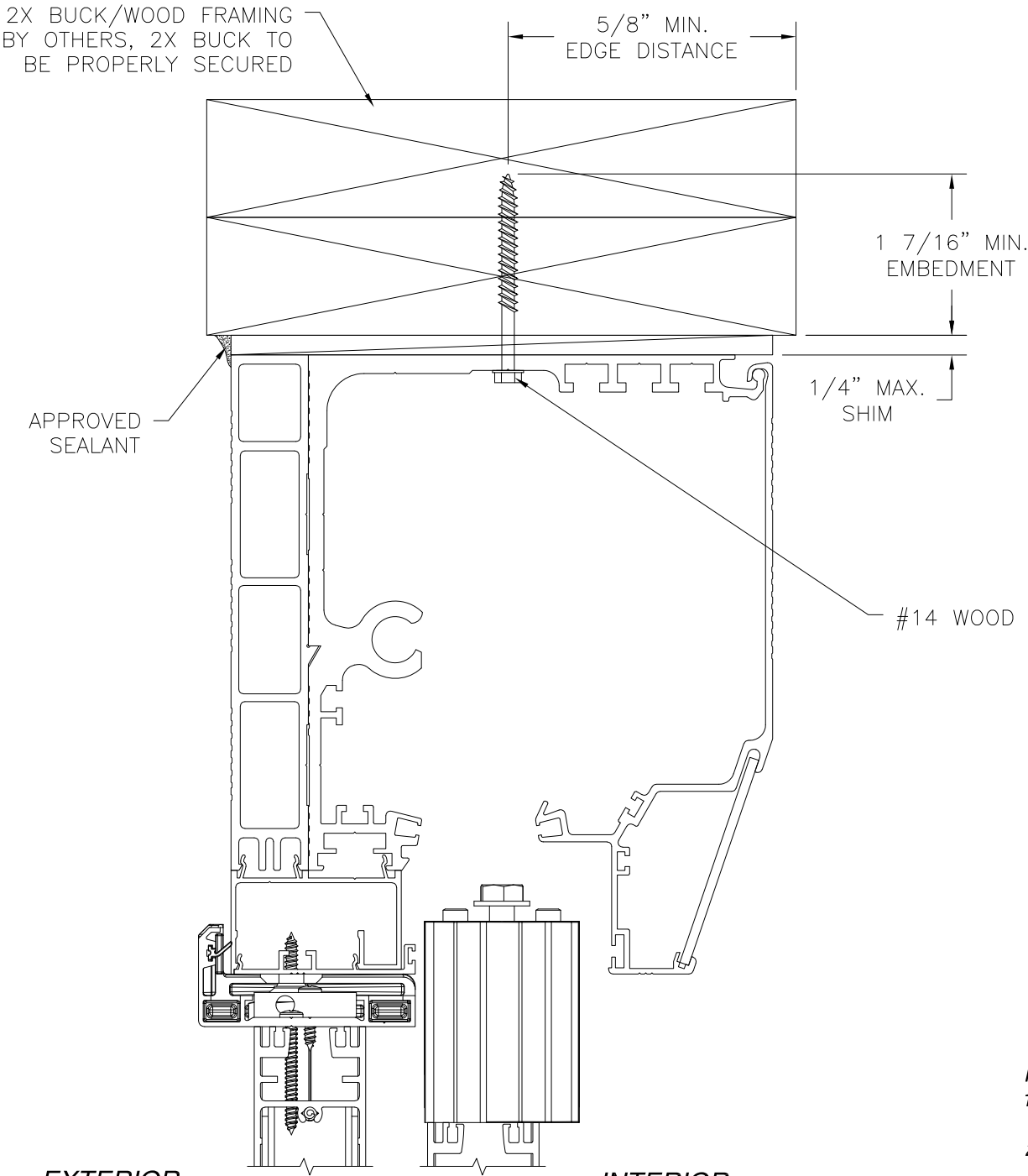
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SHEET 4 OF 8

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- 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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2318 J AND C BLVD
NAPLES, FL 34109

"DIVA" ALUMINUM AUTOMATIC SLIDING DOOR
IMPACT - HVHZ
INSTALLATION DETAILS

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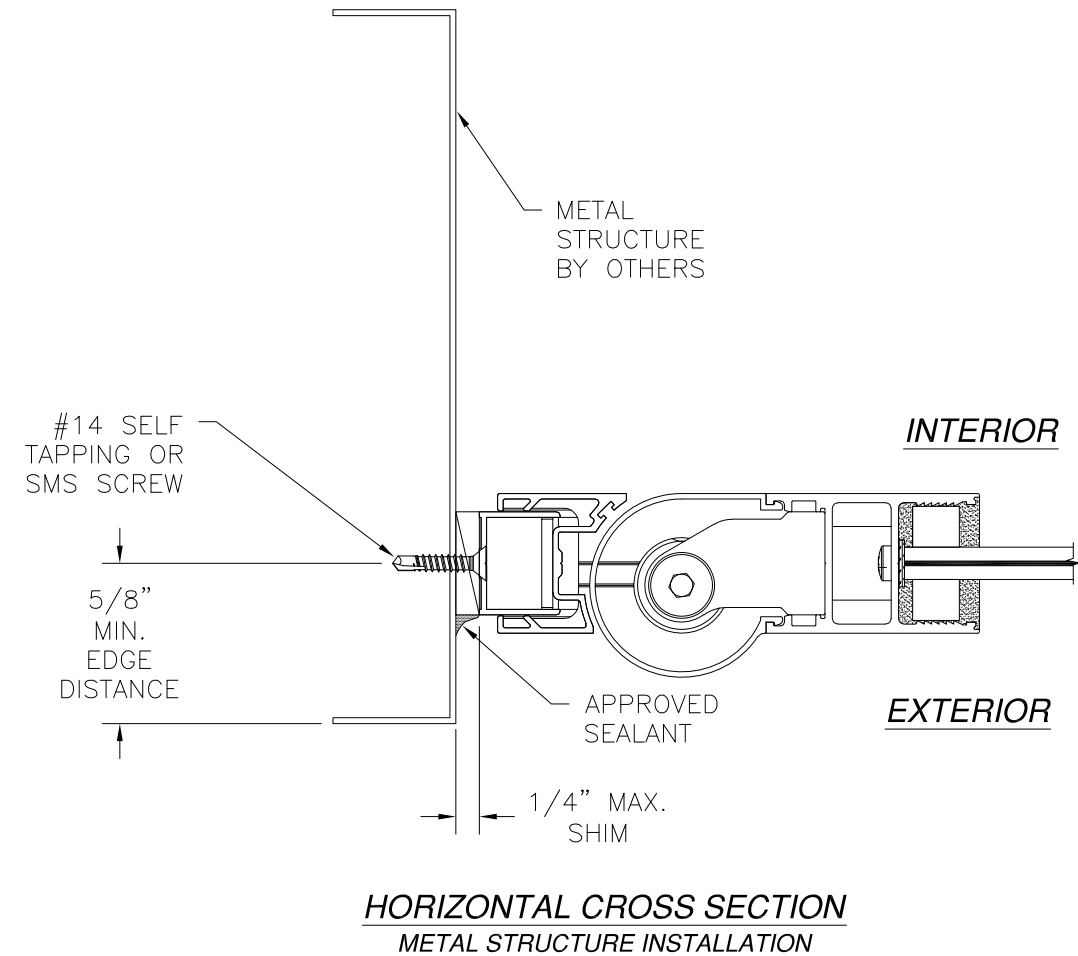
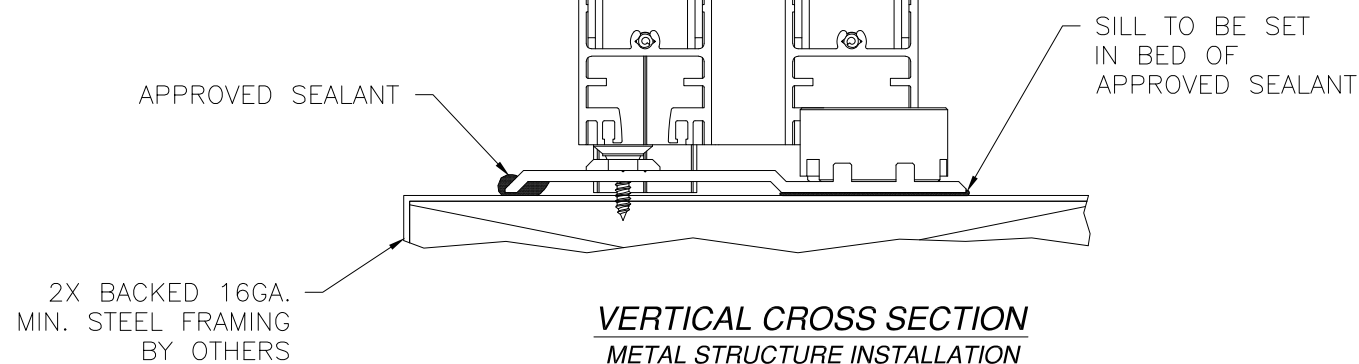
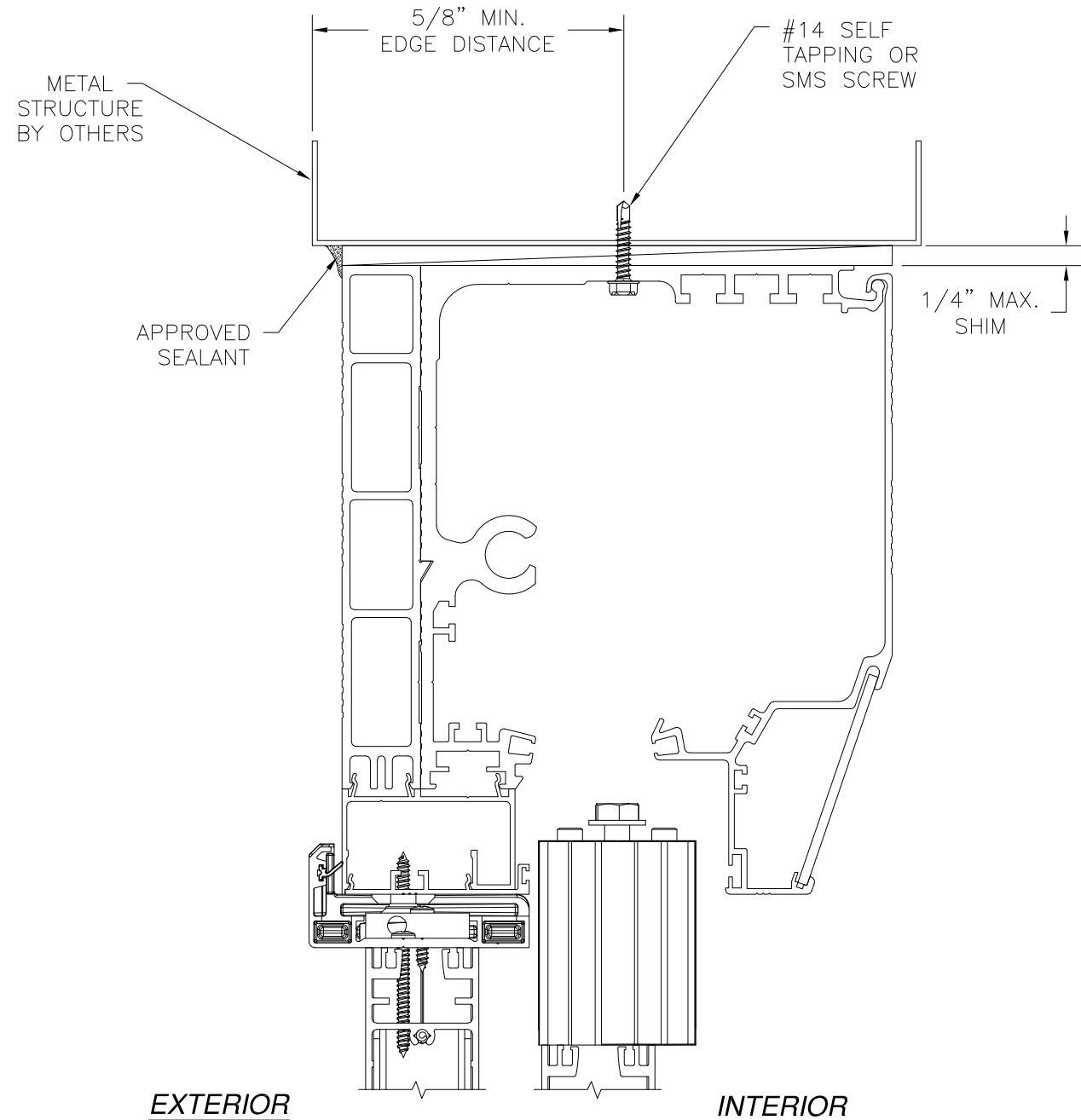
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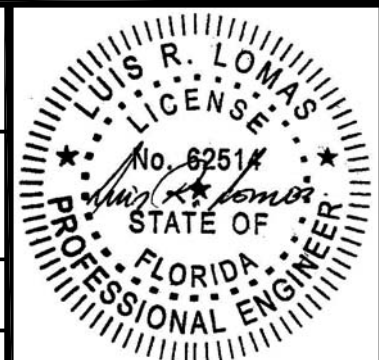


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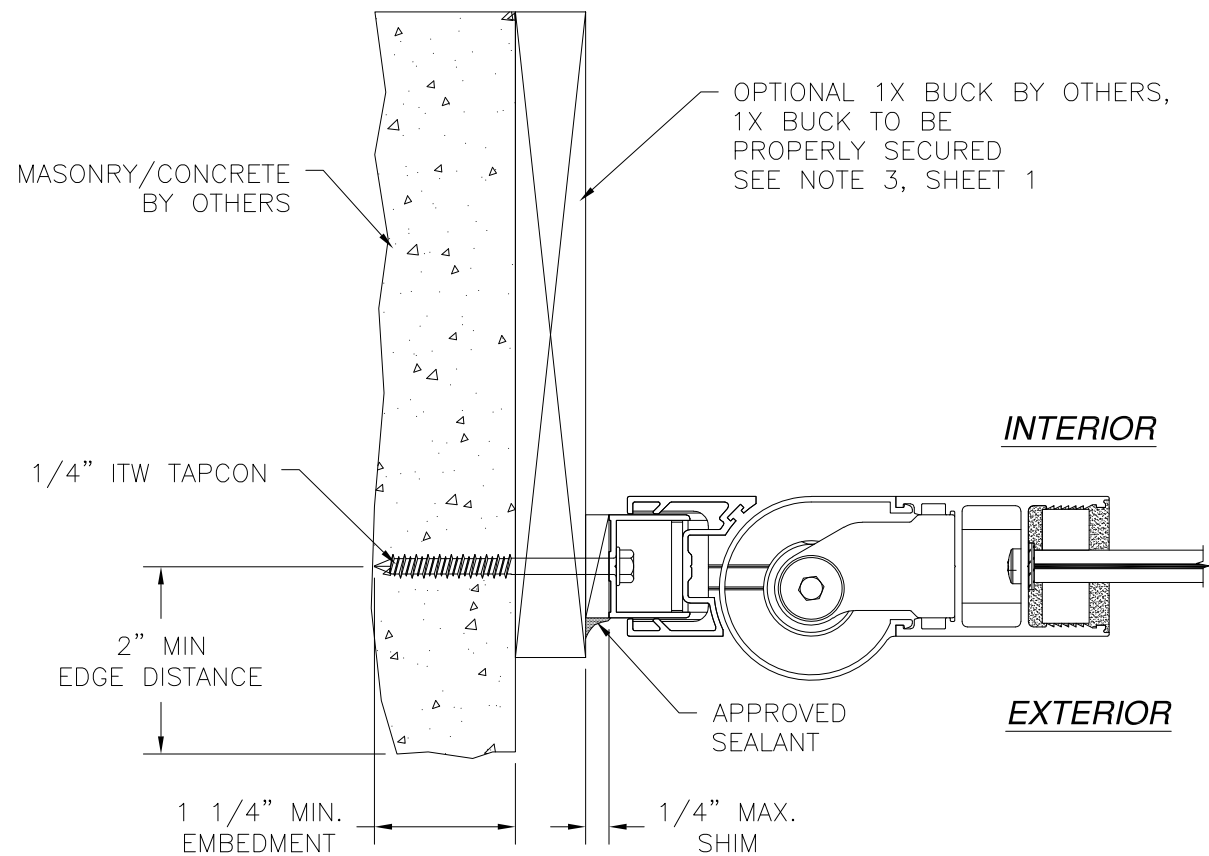
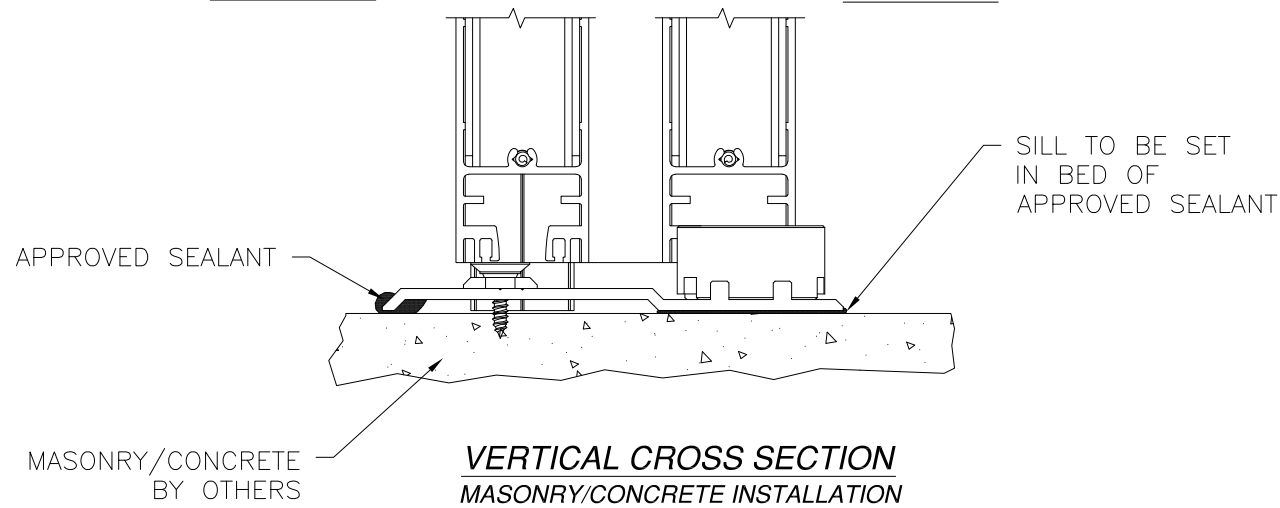
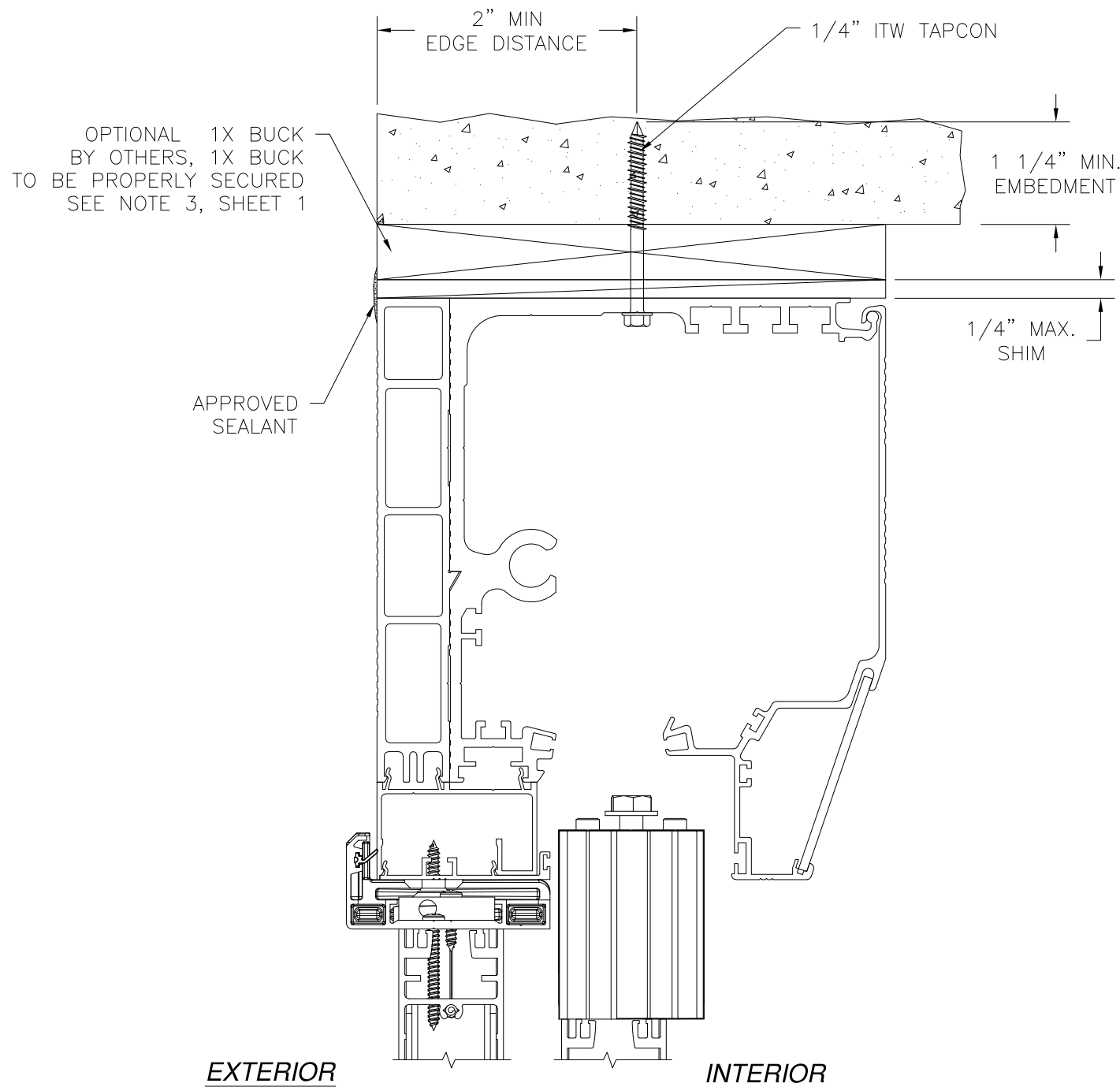
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HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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IMPACT – HVHZ

INSTALLATION DETAILS

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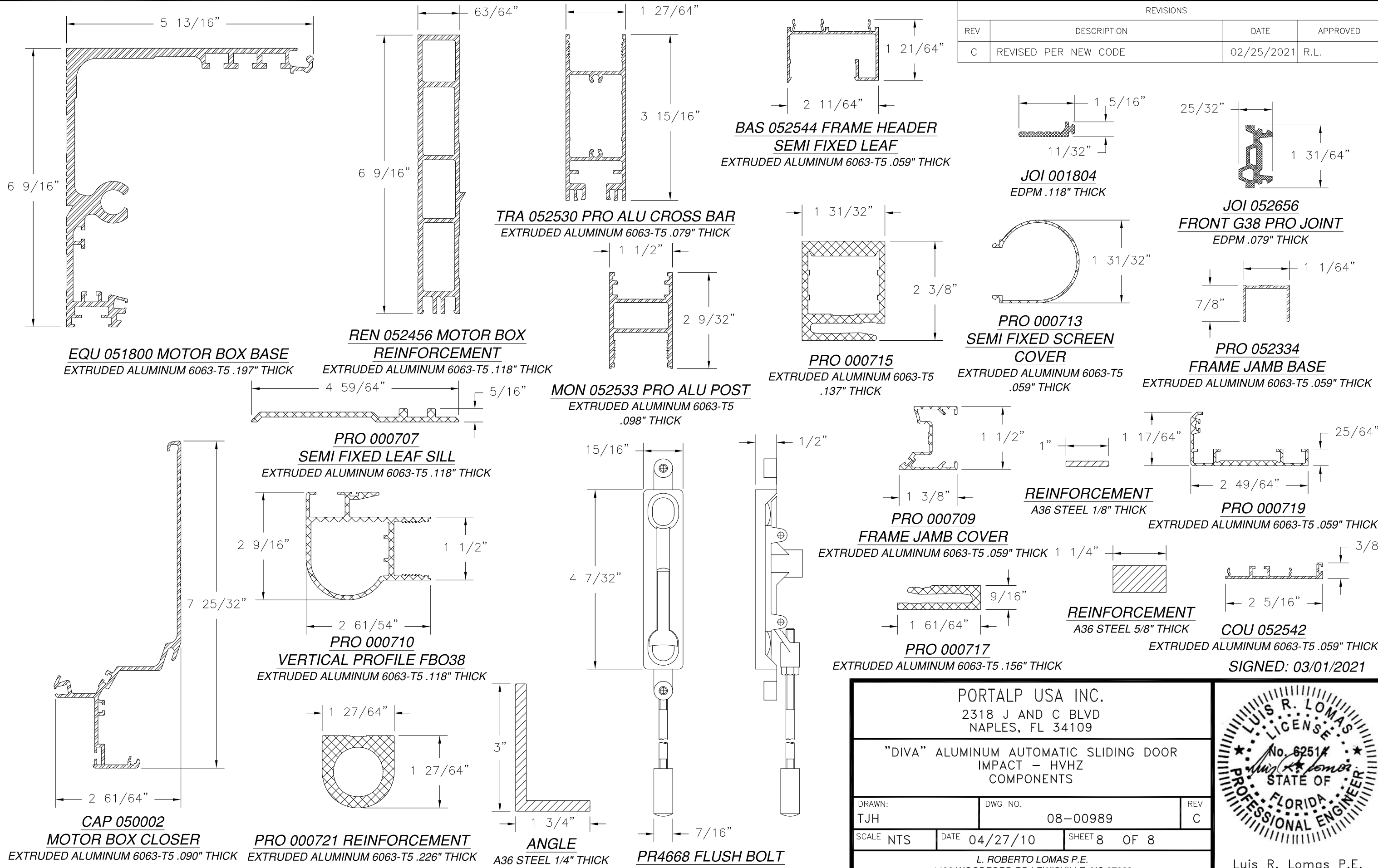
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STATE OF FLORIDA

PROFESSIONAL ENGINEER

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