

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/03/2025	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" FENESTRATION 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. FENESTRATION 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: CELLULAR PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR 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 #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. 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. 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 Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .058" THICK MINIMUM
19. APPROVED CONFIGURATIONS: O/XX, XX/O, O/X, X/O, O/XO, XO/O, O/OX, OX/O, XX, X.

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10	CONNECTIONS DETAILS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

6'11" OUTSWING HINGED PATIO DOOR

IMPACT HVHZ

NOTES

DRAWN:
V.L.

DWG NO.
08-02985

REV
A

SCALE NTS

DATE 01/04/17

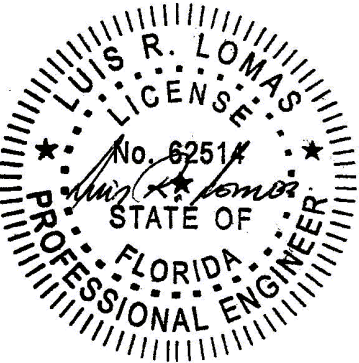
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L. ROBERTO LOMAS P.E.

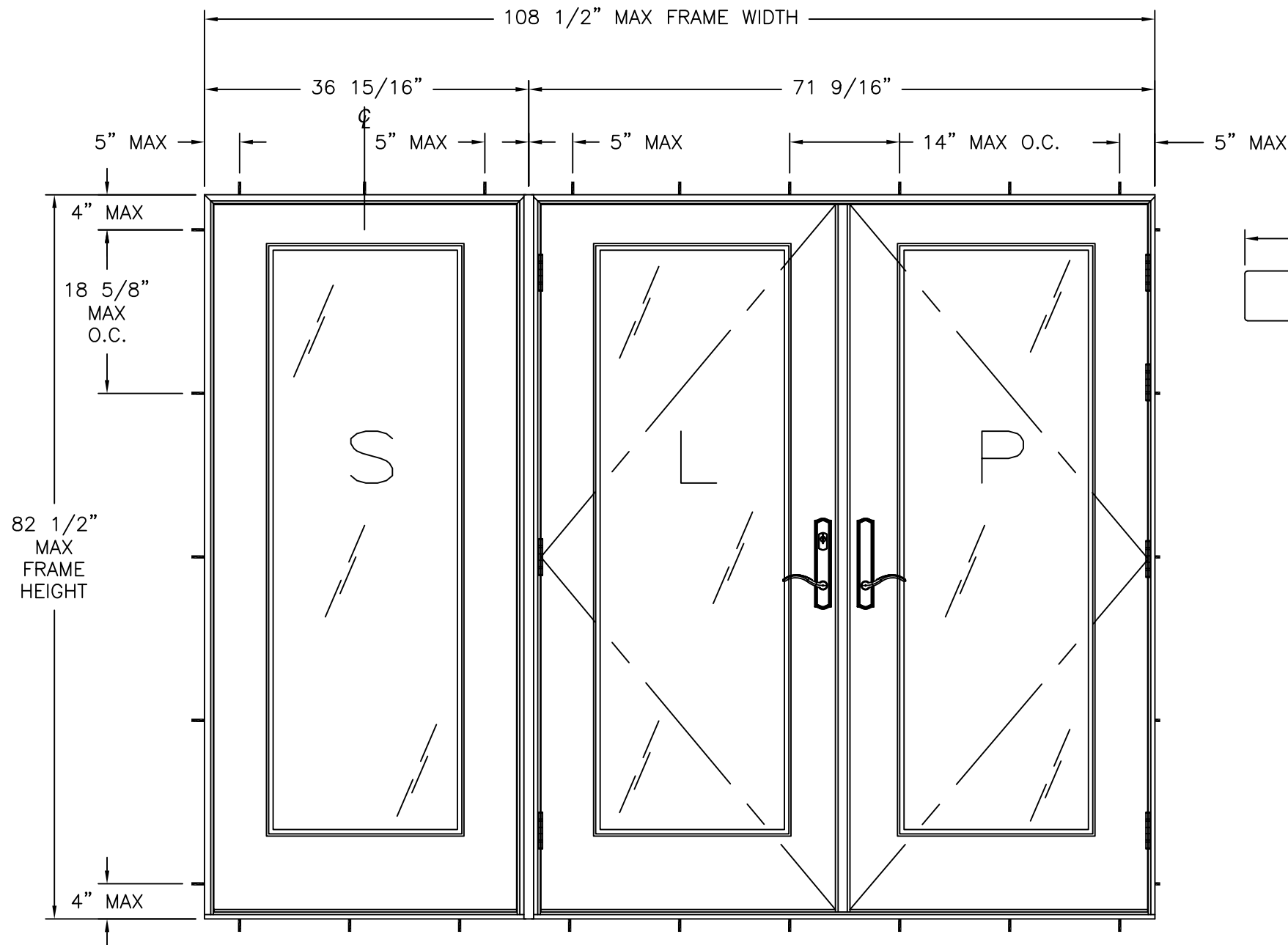
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/03/2025



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



6'11" OUTSWING HINGED PATIO DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE AND SMALL MISSILE IMPACT

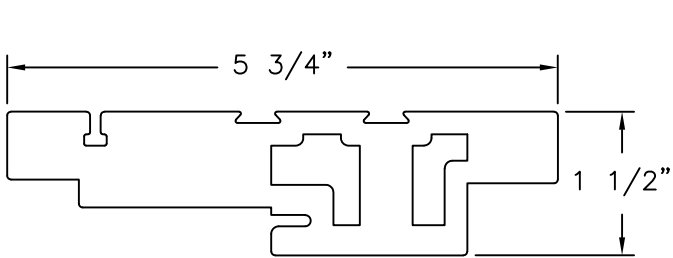
MISSILE LEVEL D, WIND ZONE 4 & HVHZ

HARDWARE SCHEDULE

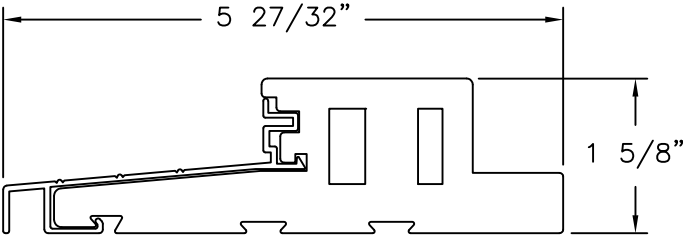
A.	(1) MULTIPOINT LOCK WITH KEEPERS (SS9300 BY MICOTA TECH AT EACH LOCK STILE
B.	(2) BAR KEEPERS AT FRAME HEAD & SILL
C.	(1) TOP/BOTTOM DRIVE BAR (SS916) BY MICOTA TECH AT EACH PANEL
D.	(1) ALUMINUM MULLION 6063-T5
E.	(3) 4X4 HINGES BY MIKOTA TECH AT 10", 41" AND 73" FROM TOP OF PANEL

- NOTES:
- MAXIMUM DOOR PANEL SIZE: 34 1/2" X 80 5/16"
 - MAXIMUM DOOR D.L.O.: 25" X 63"

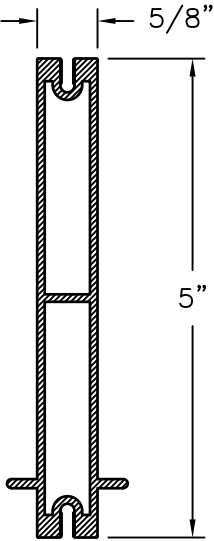
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HEAD FRAME & JAMB
FOAM PVC CO-EX



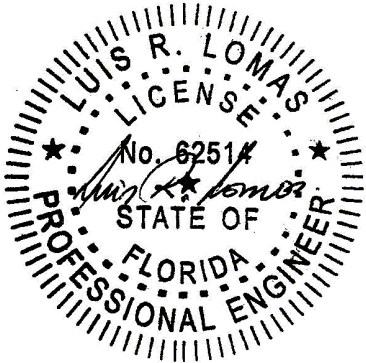
OUTSWING SILL
FOAM PVC CO-EX & ALUMINUM



MULLION
ALUMINUM 6063-T5 (.078" THICK)

SIGNED: 06/03/2025

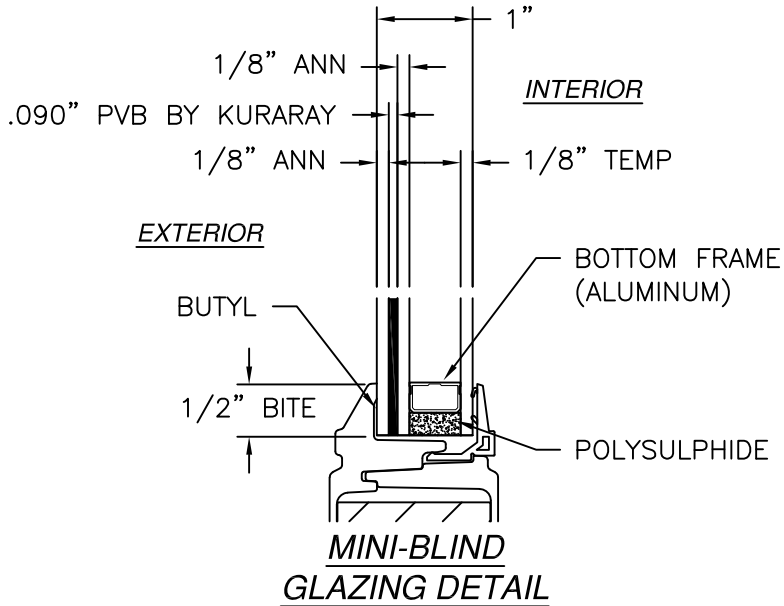
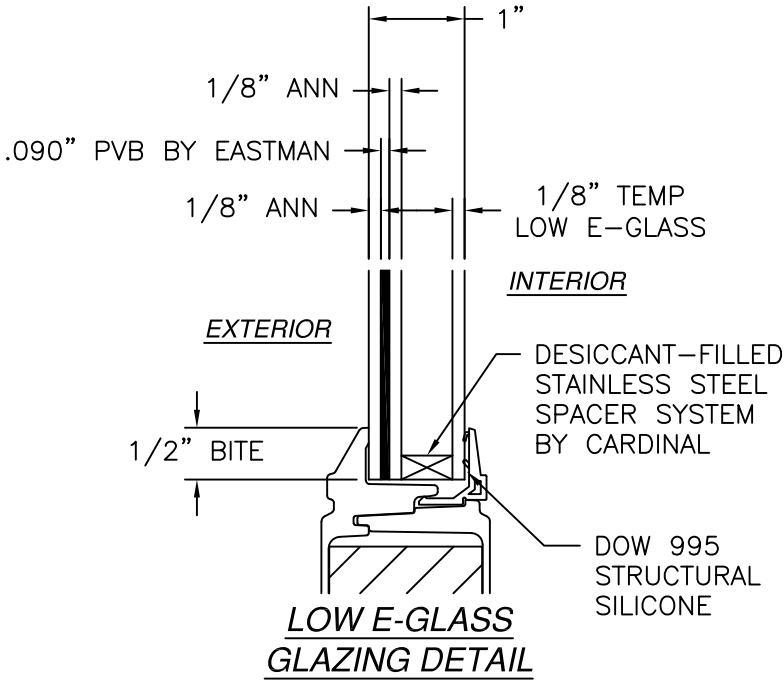
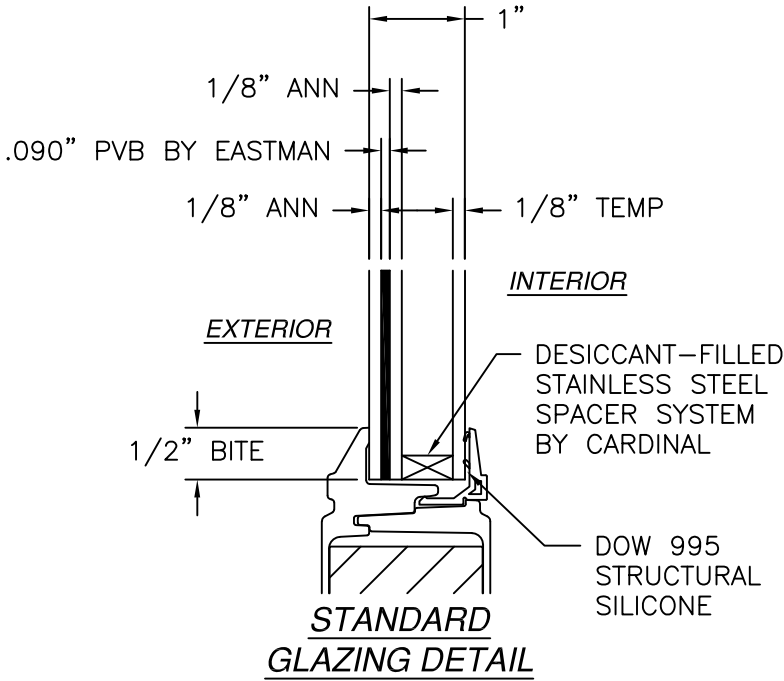
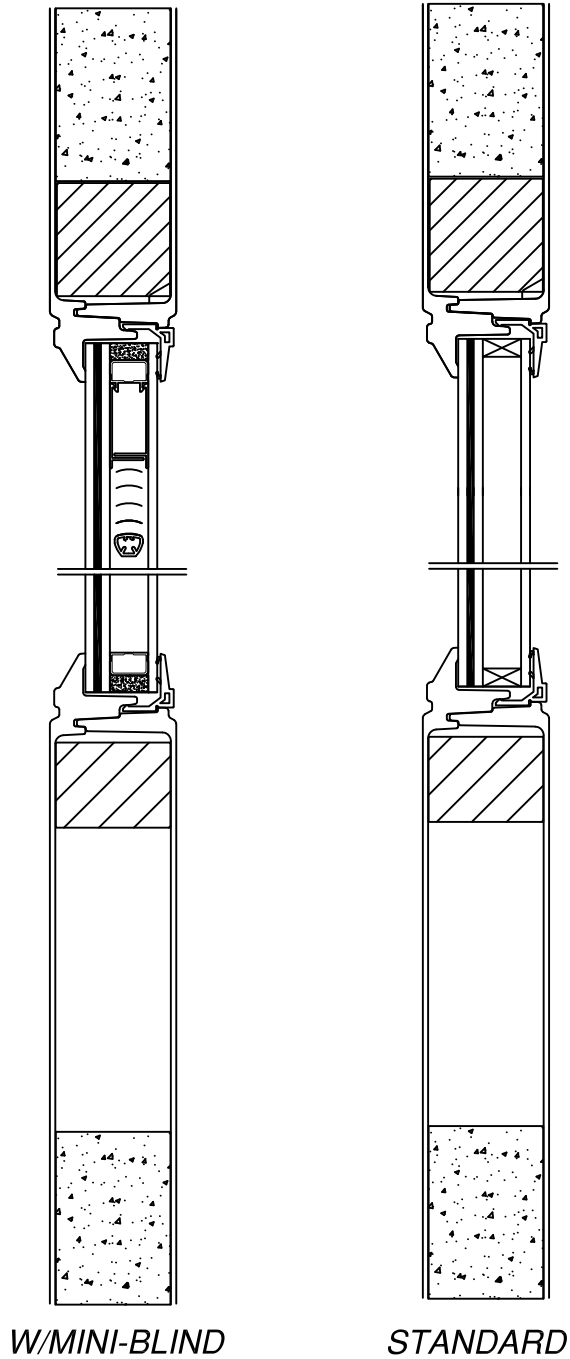
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
6'11" OUTSWING HINGED PATIO DOOR IMPACT HVHZ ELEVATION		
DRAWN: V.L.	DWG NO. 08-02985	REV A
SCALE NTS	DATE 01/04/17	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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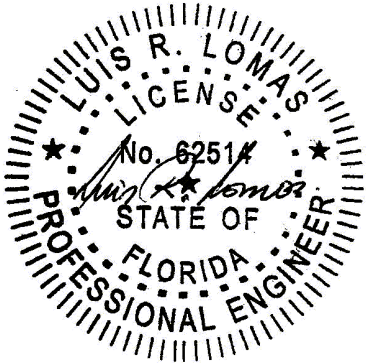
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APPROVED PANEL CONFIGURATIONS

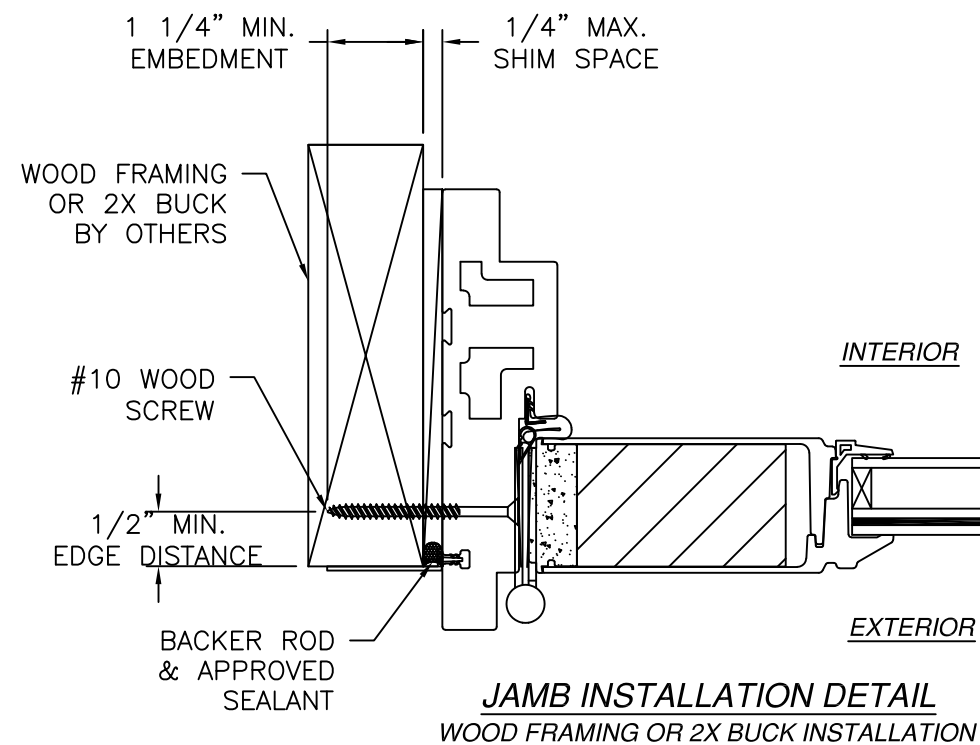
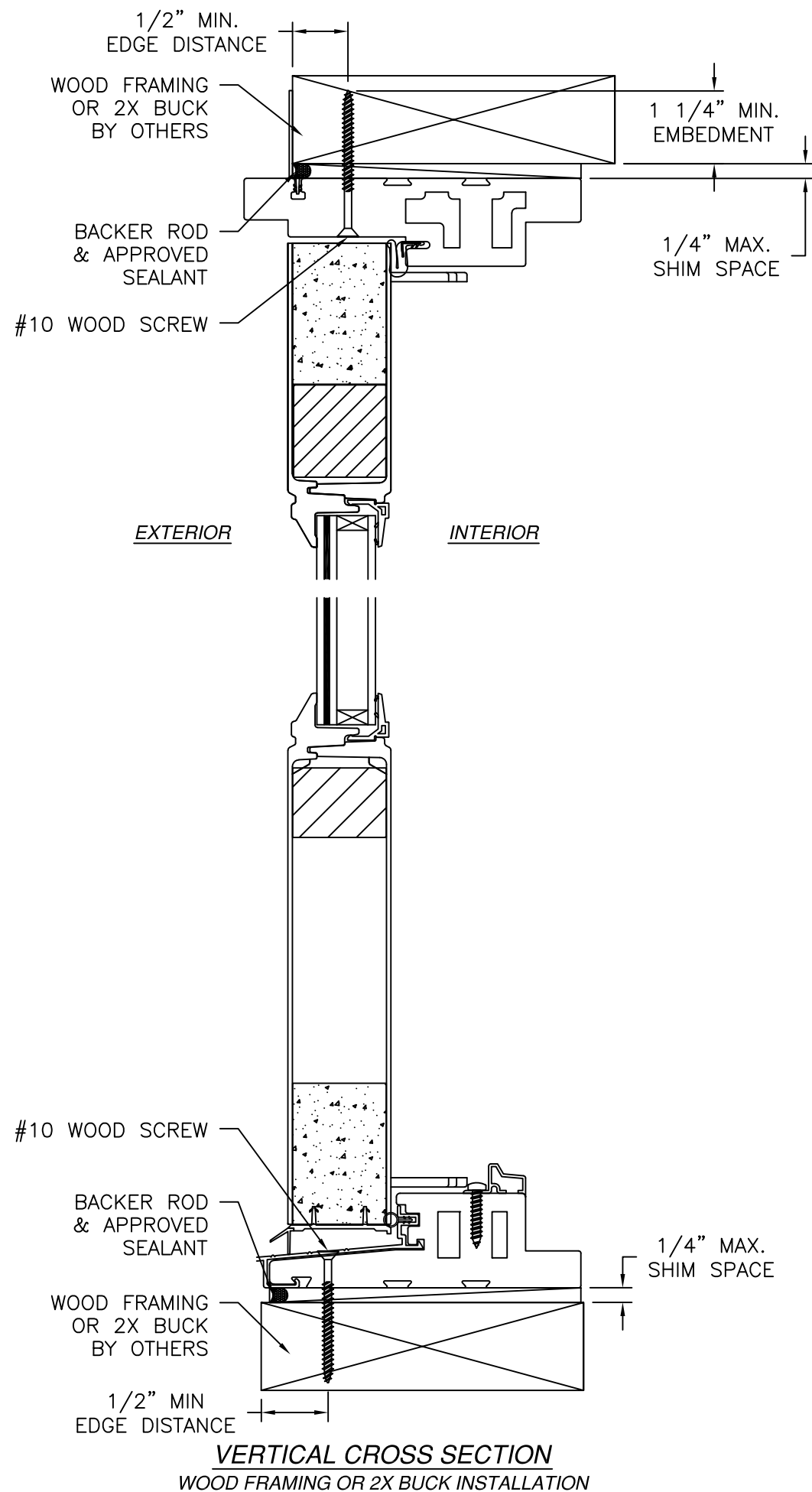


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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrllomaspe.com		



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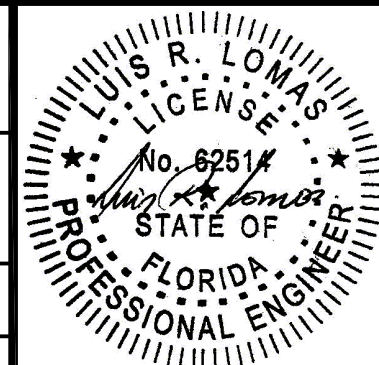


- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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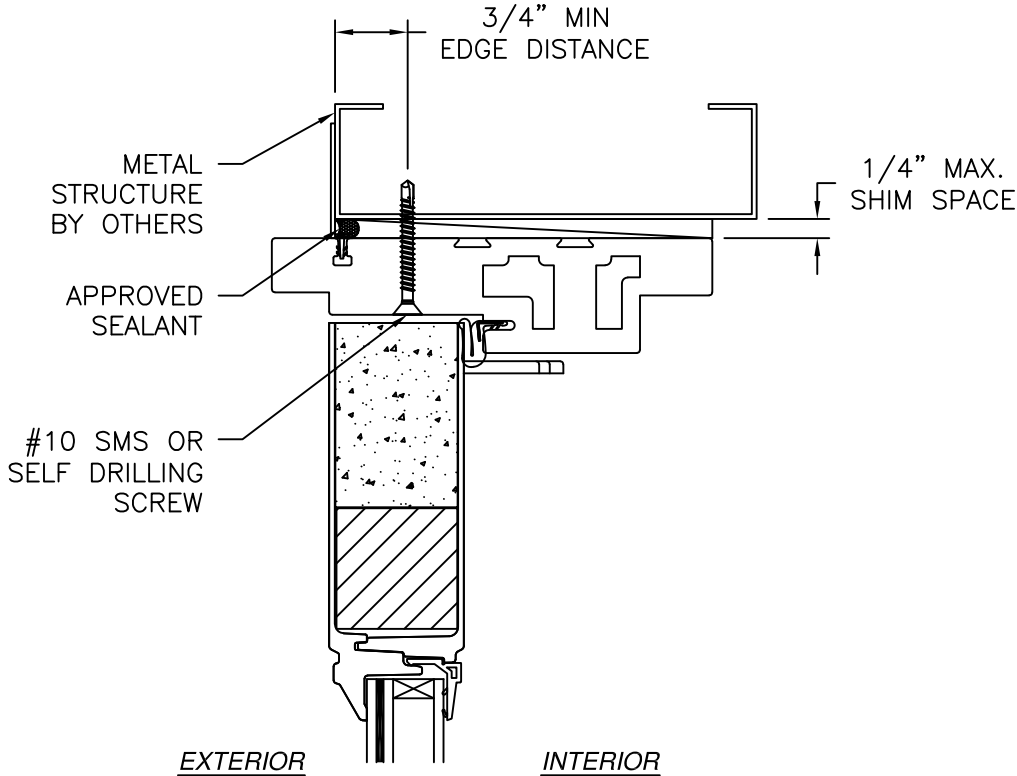
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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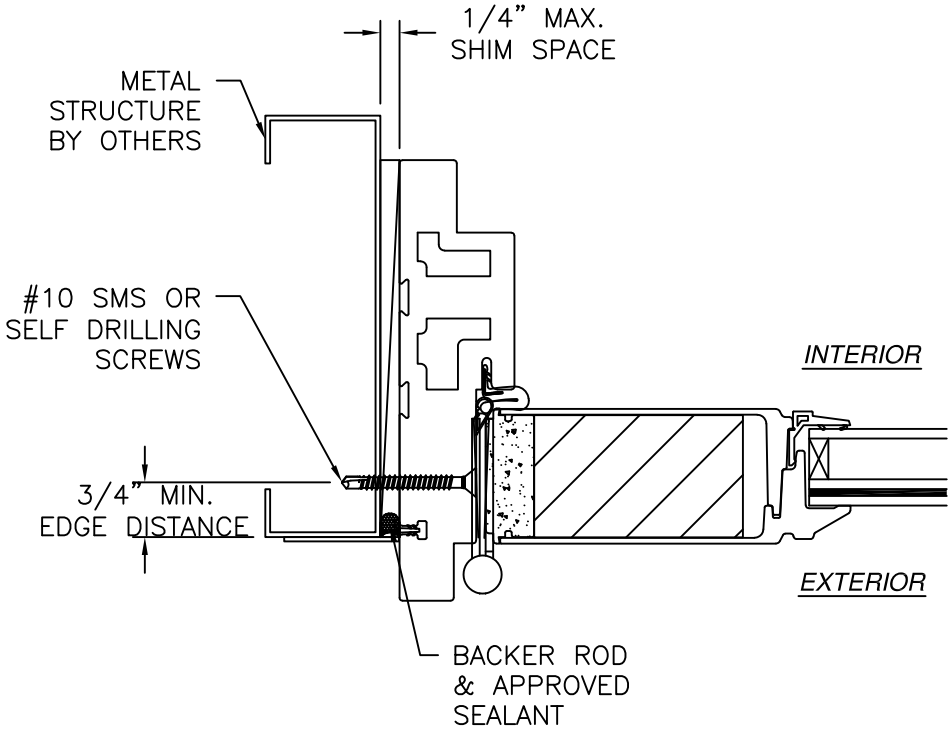


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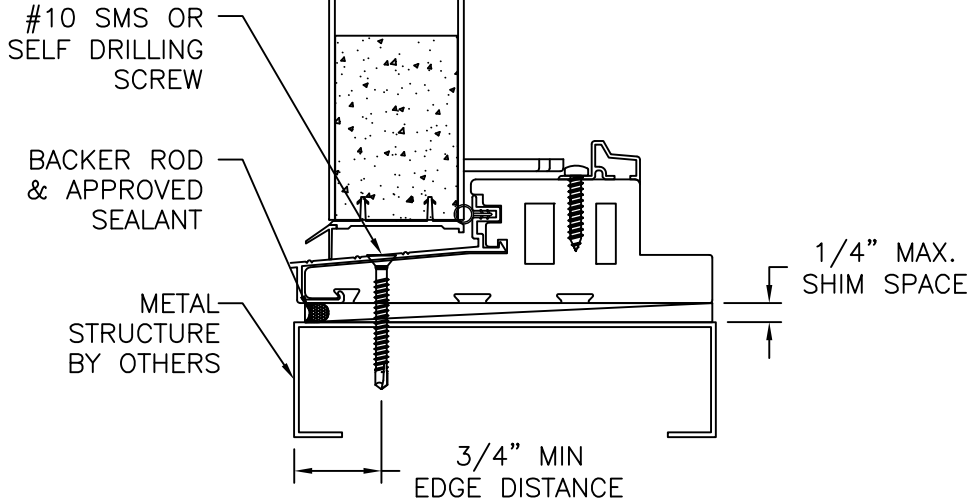
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



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8989 NORTH LOOP EAST
HOUSTON, TX 77029

6'11" OUTSWING HINGED PATIO DOOR

IMPACT HVHZ

DOOR INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-02985

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SCALE

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DATE

01/04/17

SHEET

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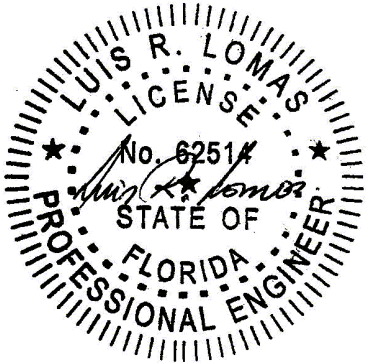
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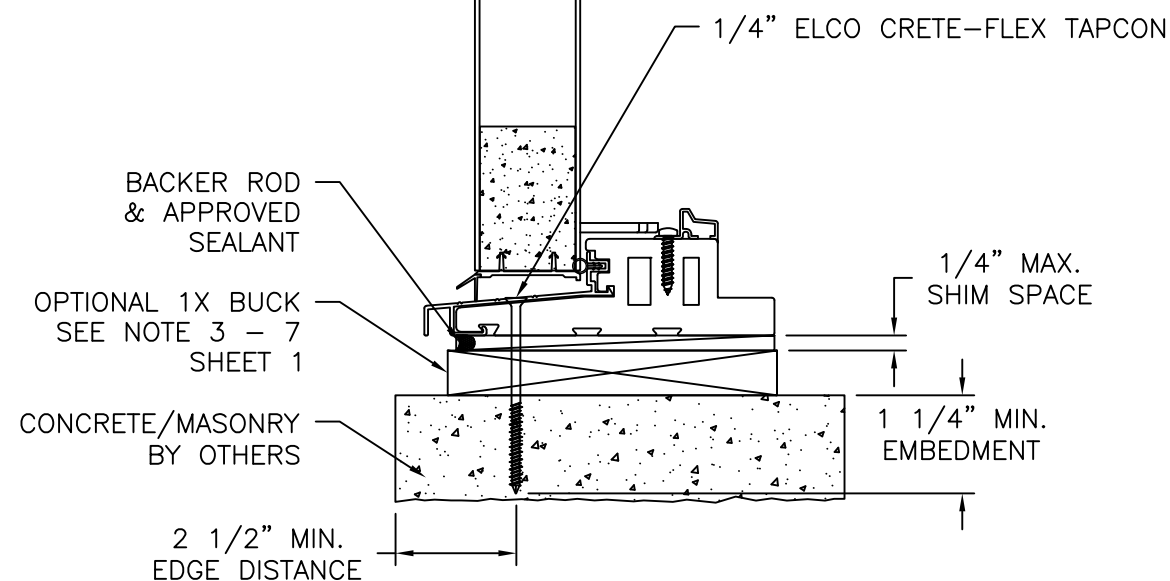
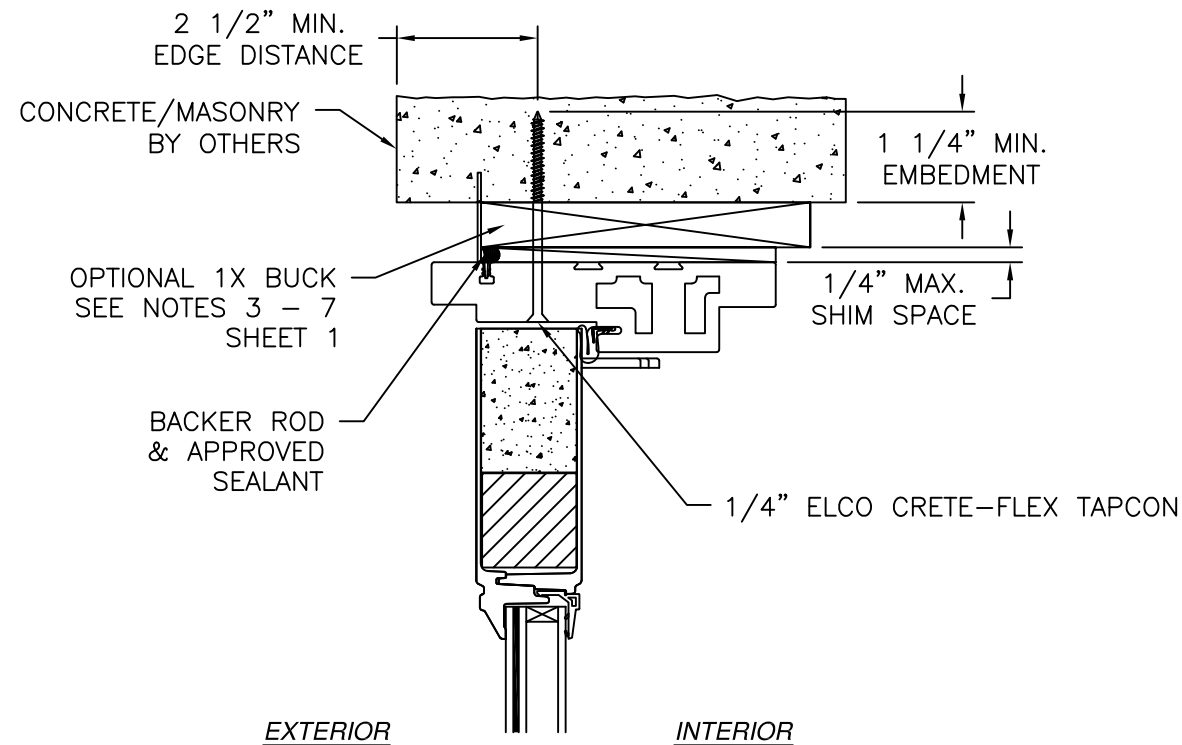
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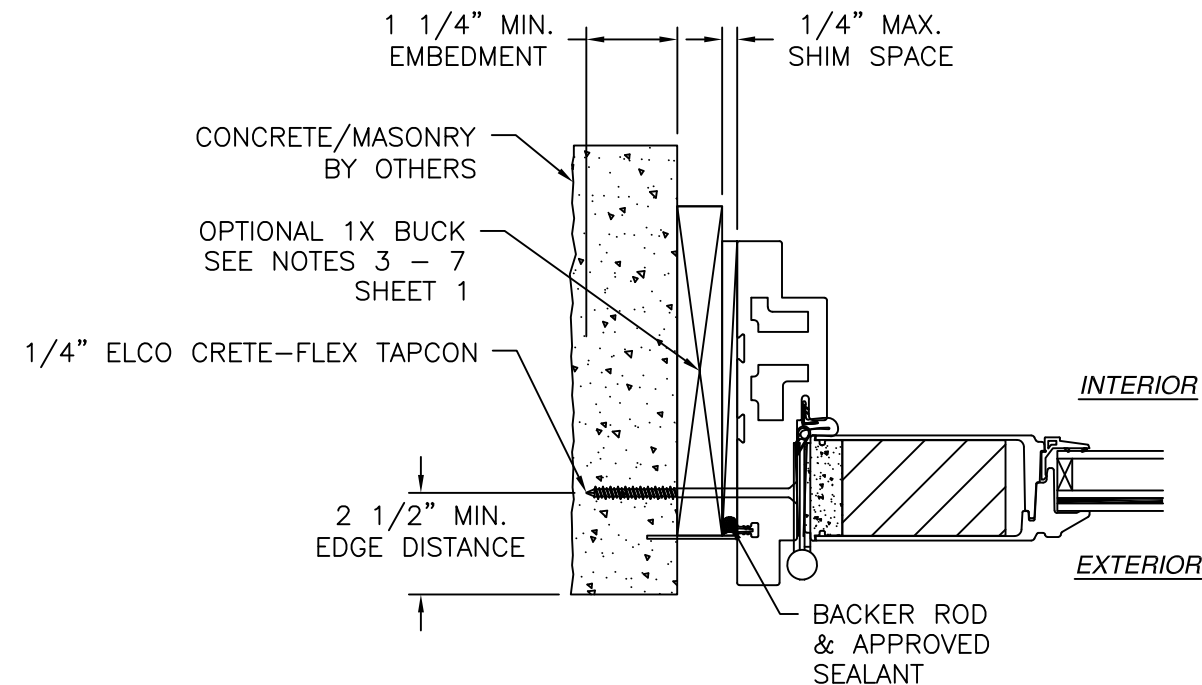


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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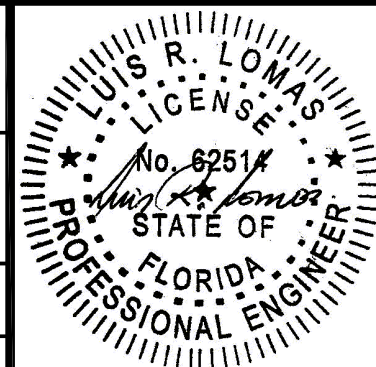
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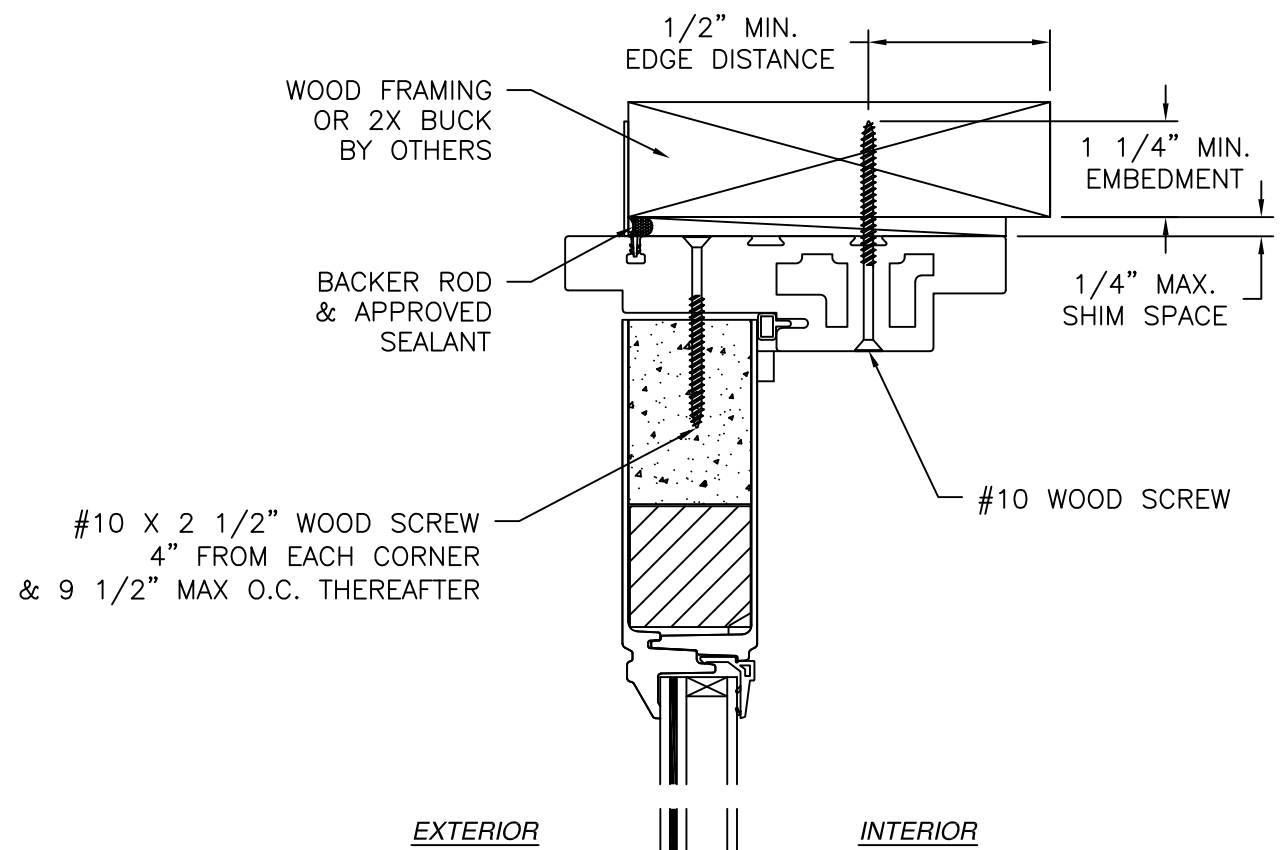
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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6'11" OUTSWING HINGED PATIO DOOR IMPACT HVHZ DOOR INSTALLATION DETAILS		
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SCALE NTS	DATE 01/04/17	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

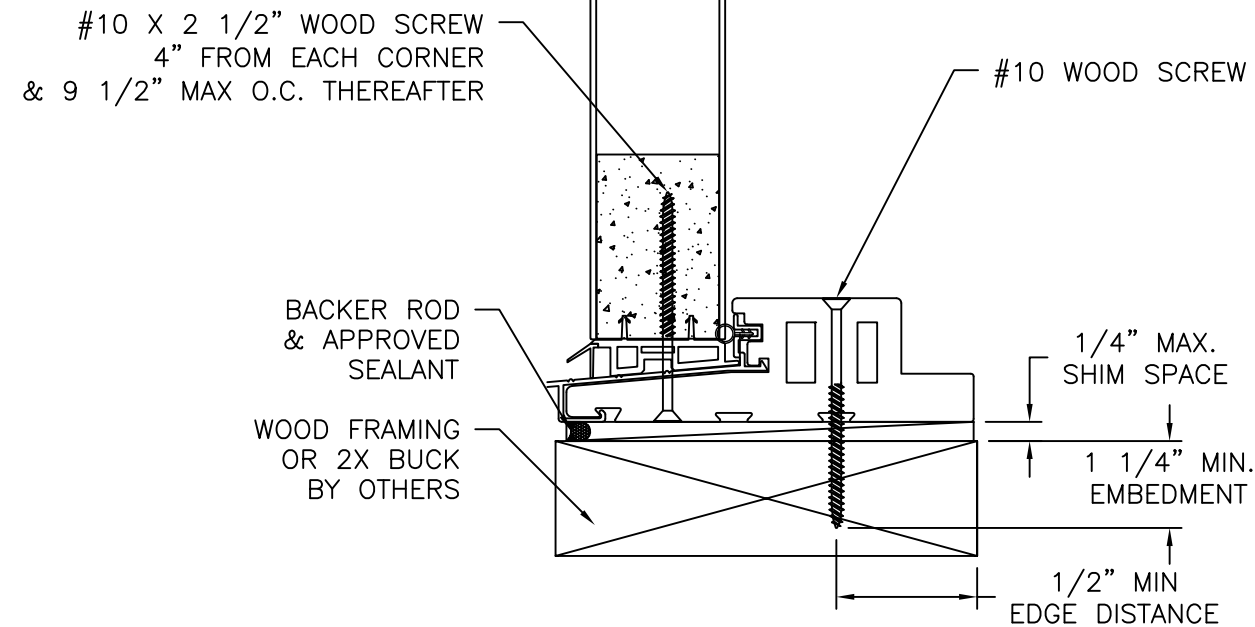
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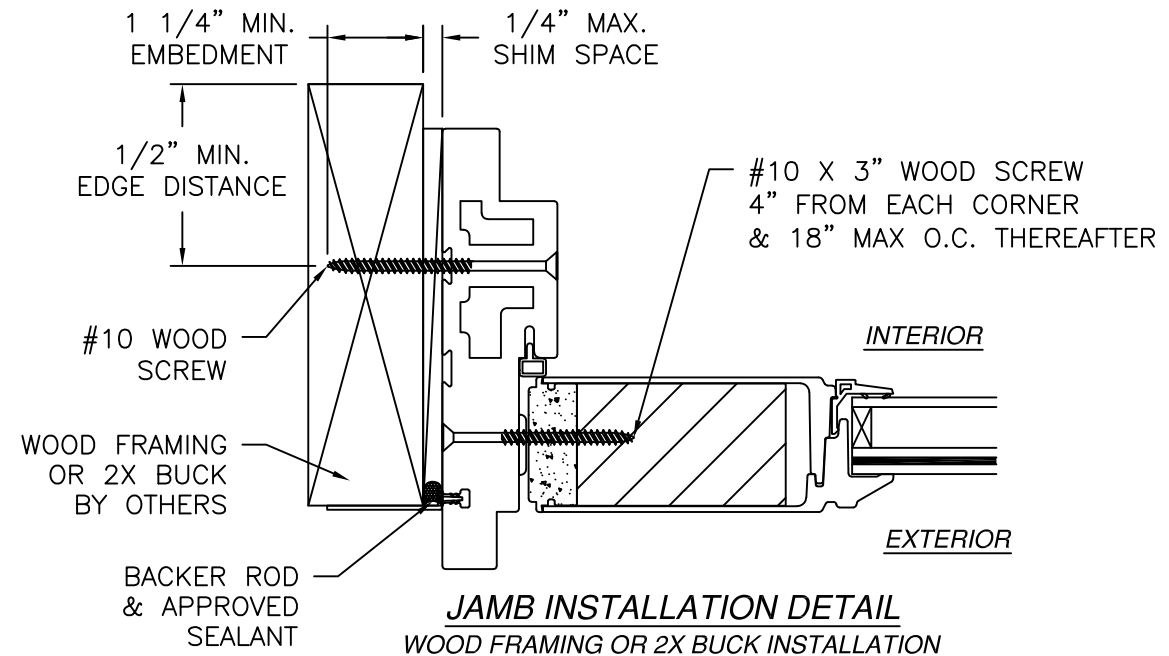
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



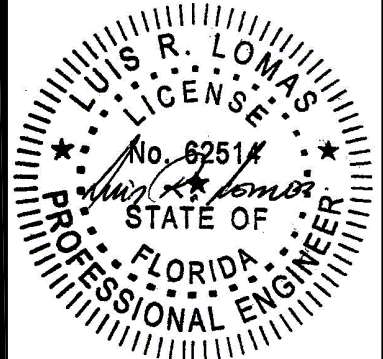
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WOOD FRAMING OR 2X BUCK INSTALLATION

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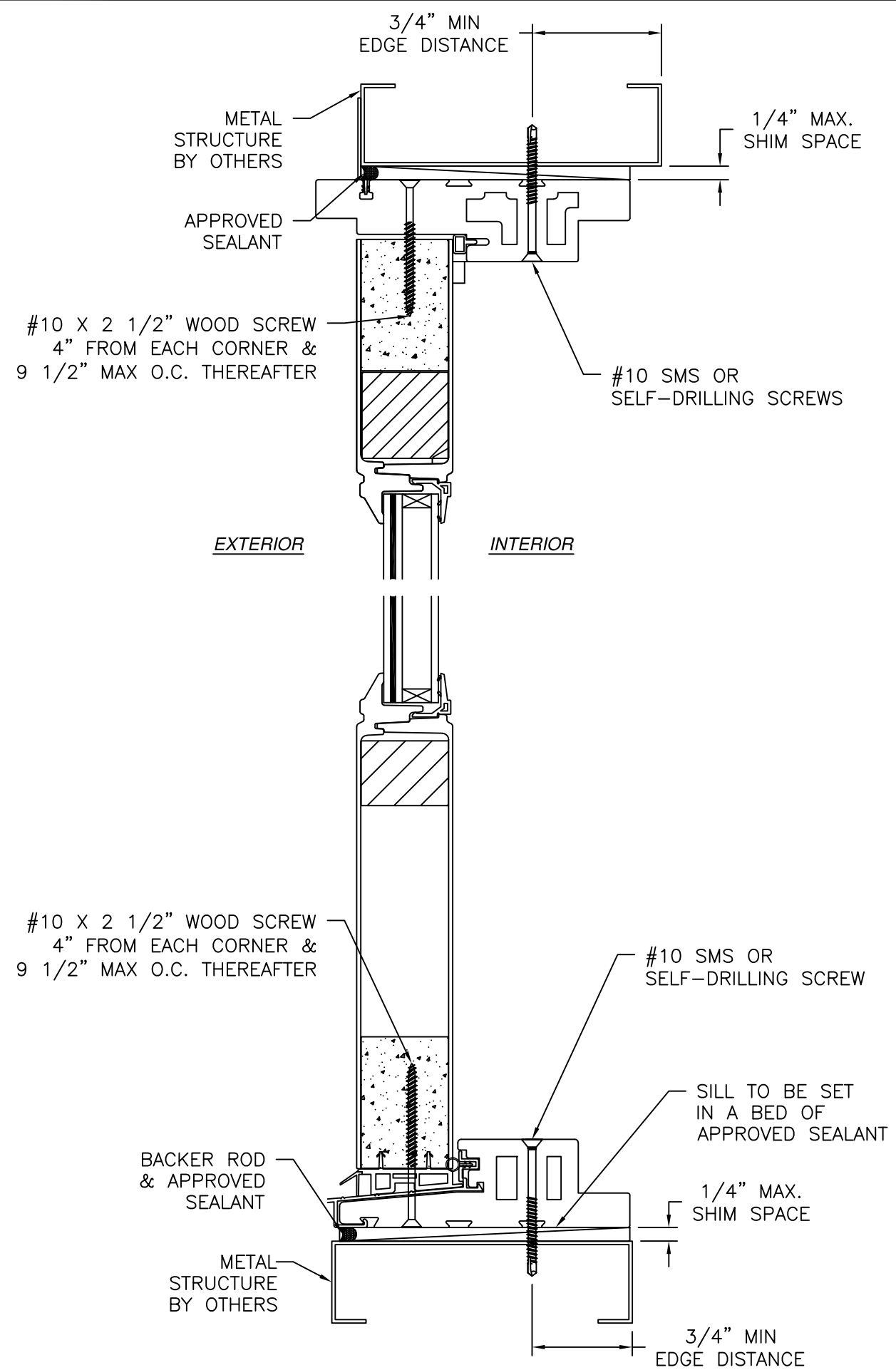
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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
6'11" OUTSWING HINGED PATIO DOOR IMPACT HVHZ SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02985	REV A
SCALE NTS	DATE 01/04/17	SHEET 7 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

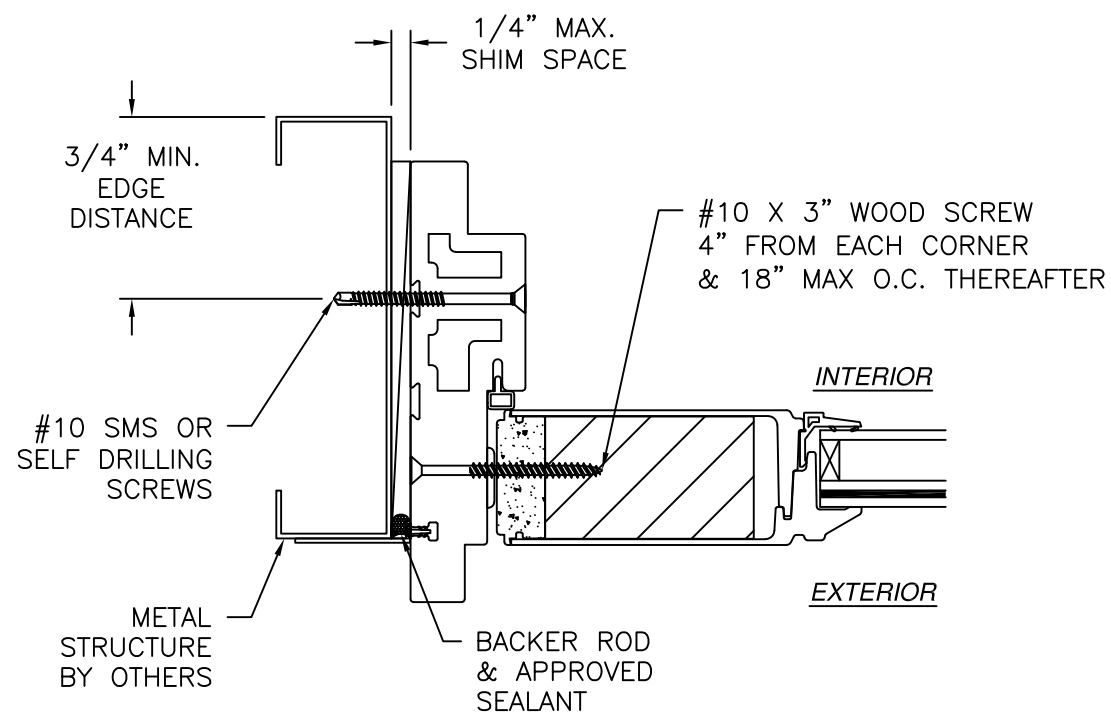


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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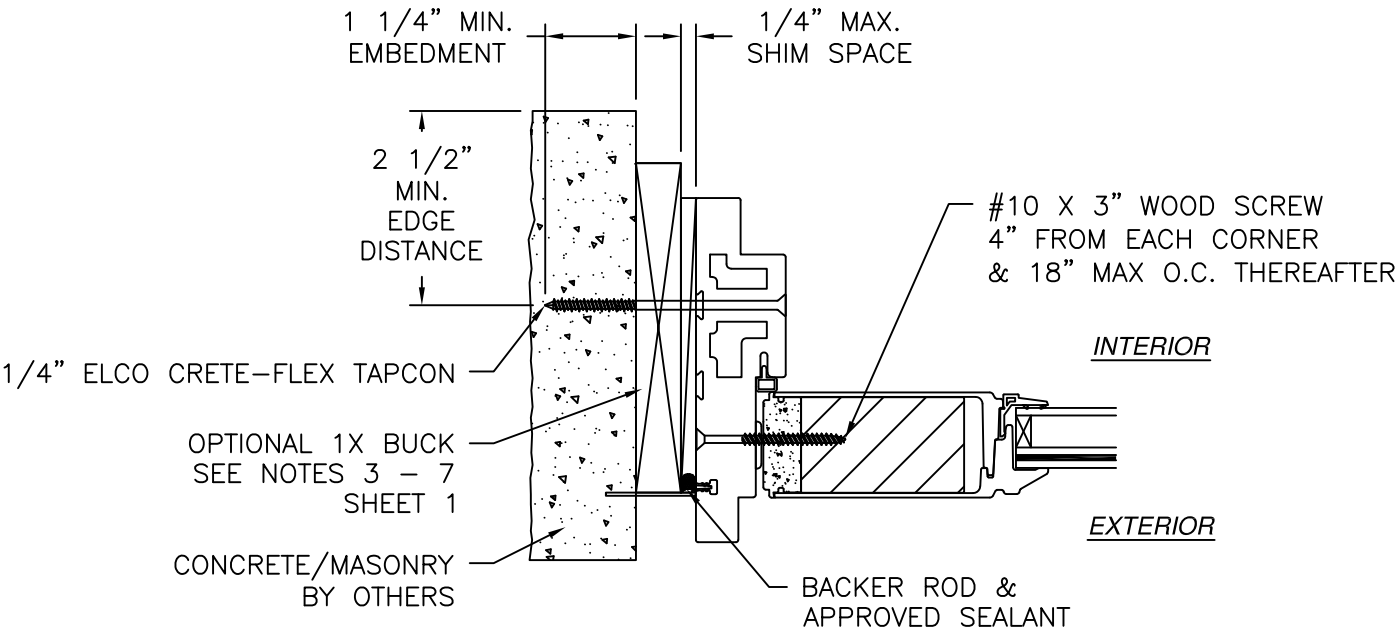
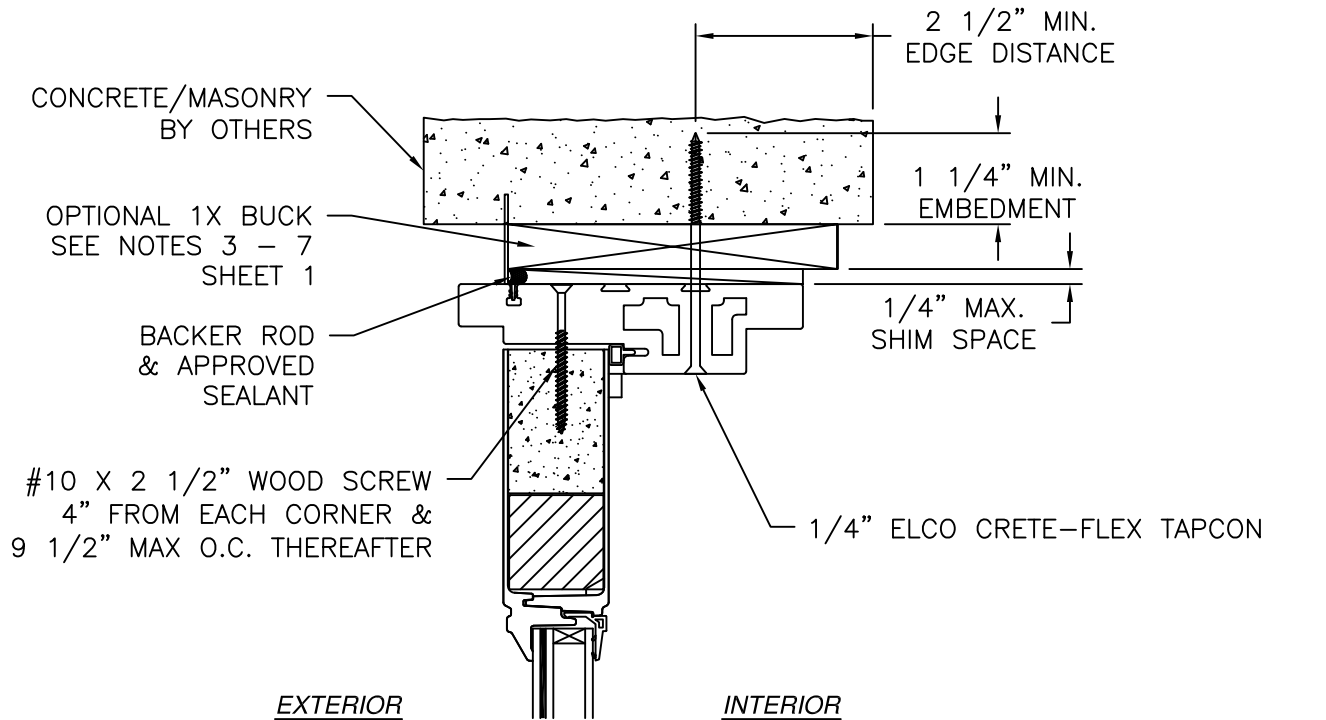
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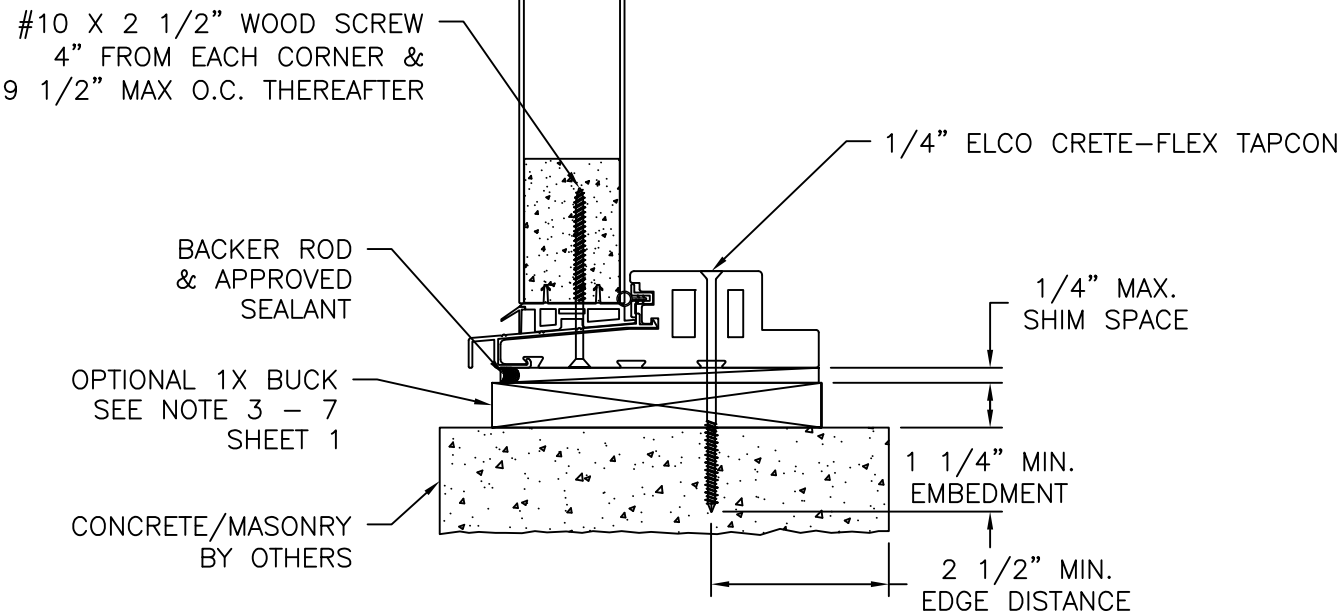
Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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8989 NORTH LOOP EAST
HOUSTON, TX 77029

6'11" OUTSWING HINGED PATIO DOOR
IMPACT HVHZ
SIDELITE INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02985

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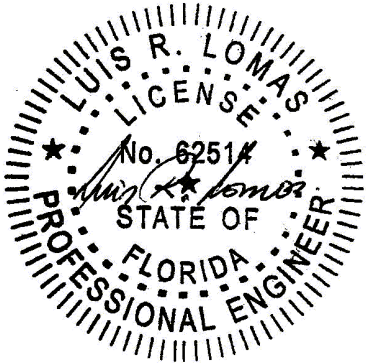
SHEET 9 OF 10

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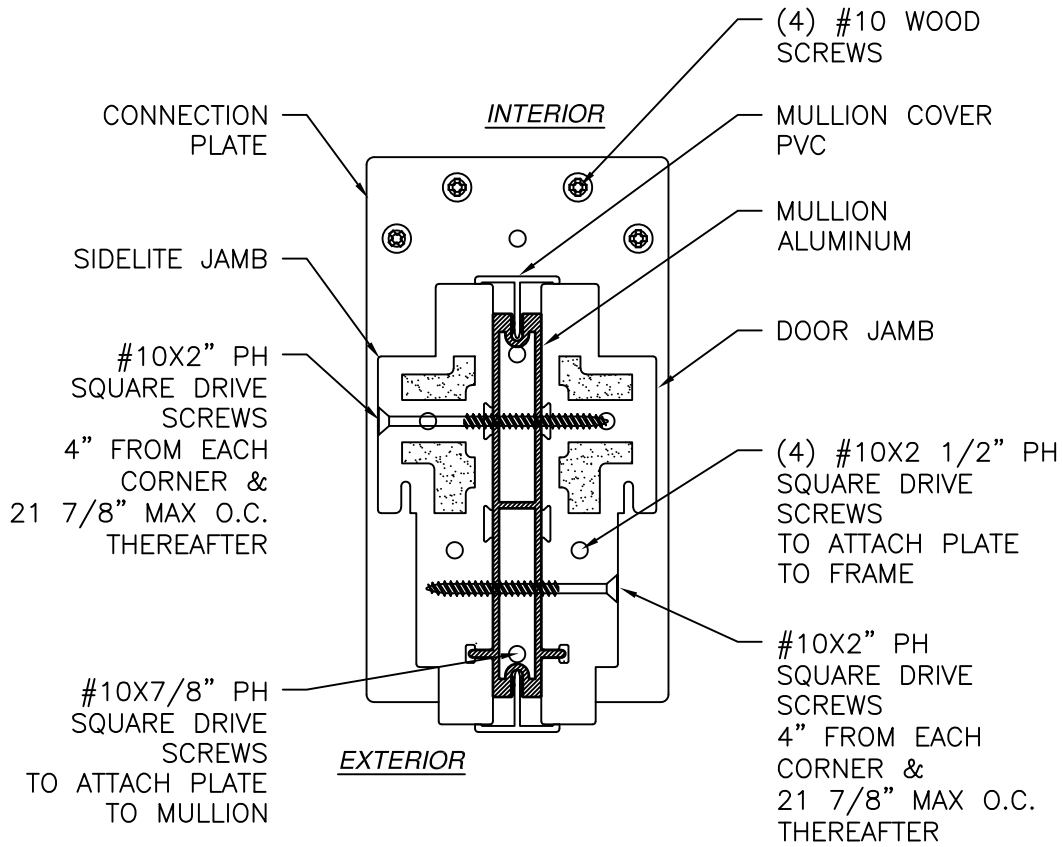
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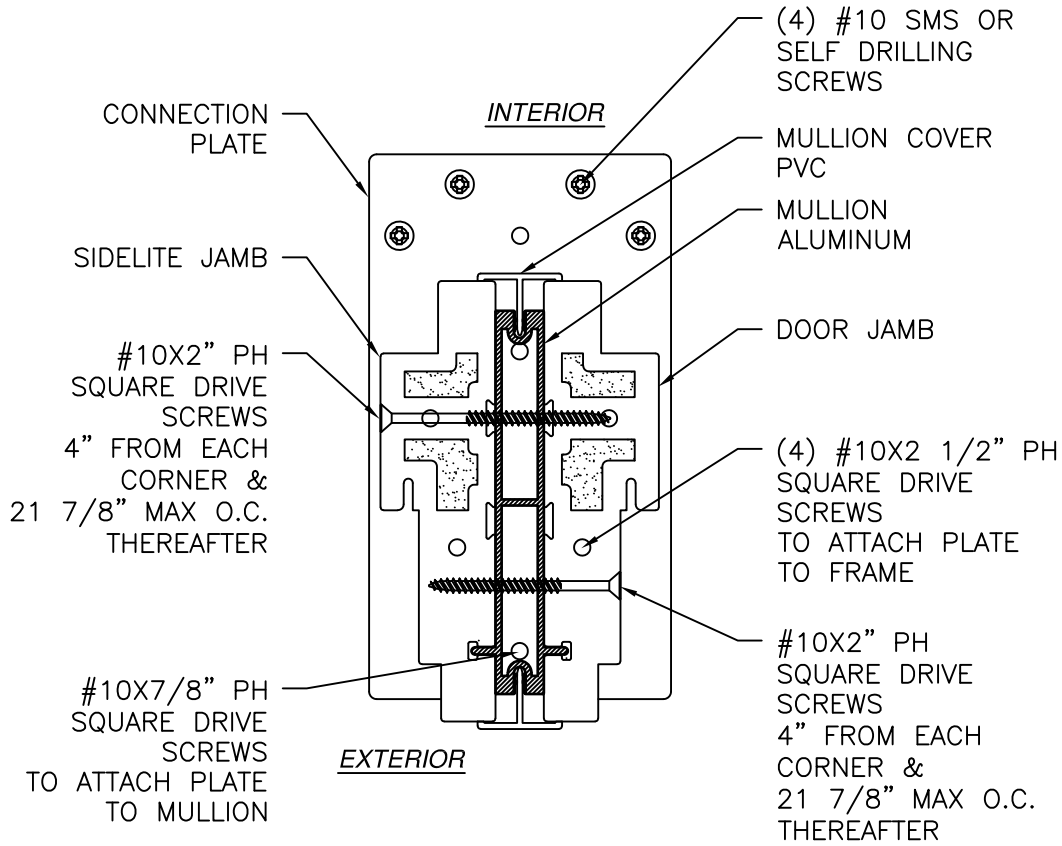
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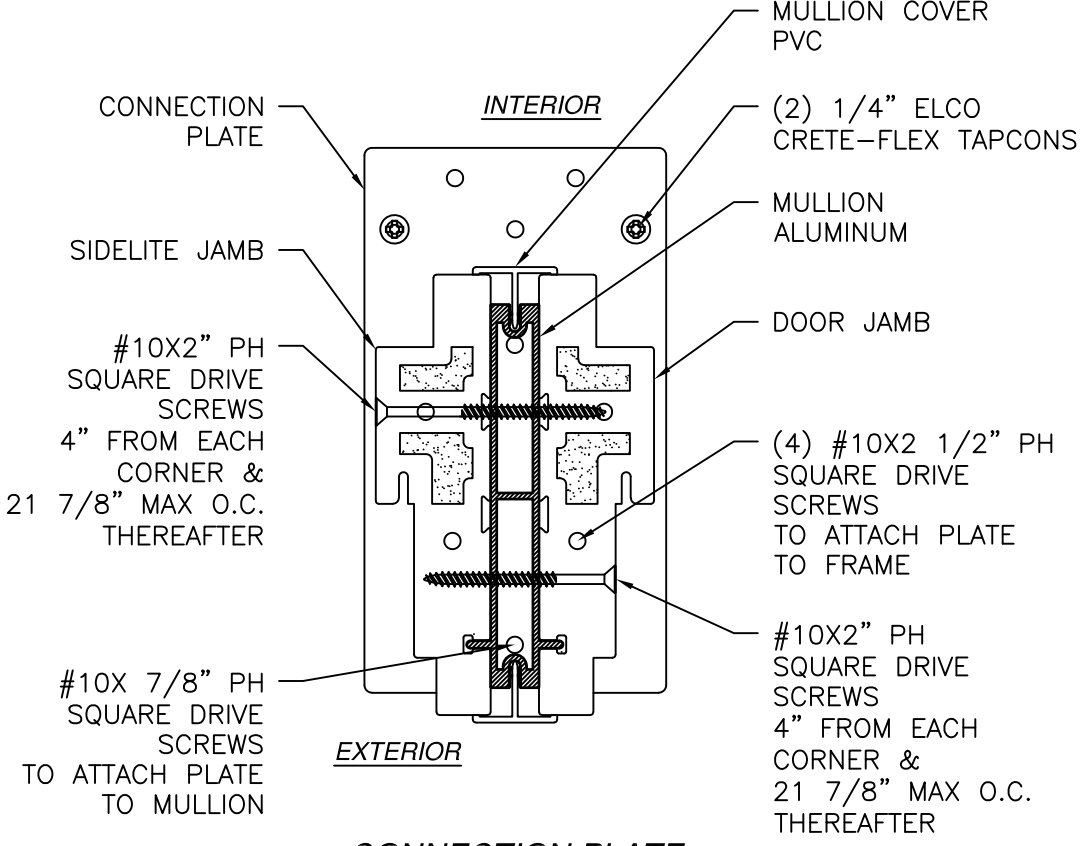
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CONNECTION PLATE
WOOD FRAMING OR 2X BUCK INSTALLATION



CONNECTION PLATE
METAL STRUCTURE INSTALLATION



CONNECTION PLATE
CONCRETE/MASONRY INSTALLATION

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IMPACT HVHZ
CONNECTIONS DETAILS

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