

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD GLAZING DETAILS	05/12/2025	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. 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.
4. 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.
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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
11. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

12. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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
15. FRAME JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC 1 1/4" THICK.
16. DOOR PANEL MATERIAL: .095" THICK FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, & PVC FOAM VERTICAL STILES WITH PINE AND STEEL REINFORCEMENTS AND PHENOLIC FOAM CORE.
17. SIDELITE MATERIAL: .095" THICK FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, & PVC FOAM VERTICAL STILES WITH PHENOLIC FOAM CORE.
18. APPROVED CONFIGURATIONS: X, OX, OXO, XX AND OXXO.
19. HINGLE LOCATION: (4) FROM TOP PANEL DOWN AT 8 3/4", 33 3/4", 58 3/4", AND 83 3/4".
20. SIDELITES MAY BE GLAZED OR OPAQUE.

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7 – 8	INSTALLATION DETAILS
9	COMPONENTS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

FIBERGLASS SKIN GLAZED DOUBLE ENTRY DOOR
W/ & W/O SIDELITES – 8'0 DISTINCTION IS IMPACT
NOTES

DRAWN:
TJH

DWG NO.
08-00977D

REV
D

SCALE NTS

DATE 04/08/10

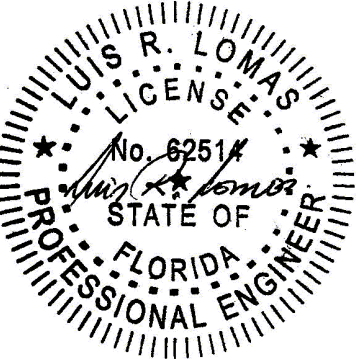
SHEET 1 OF 9

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434-688-0609 rllomas@lrlomaspe.com

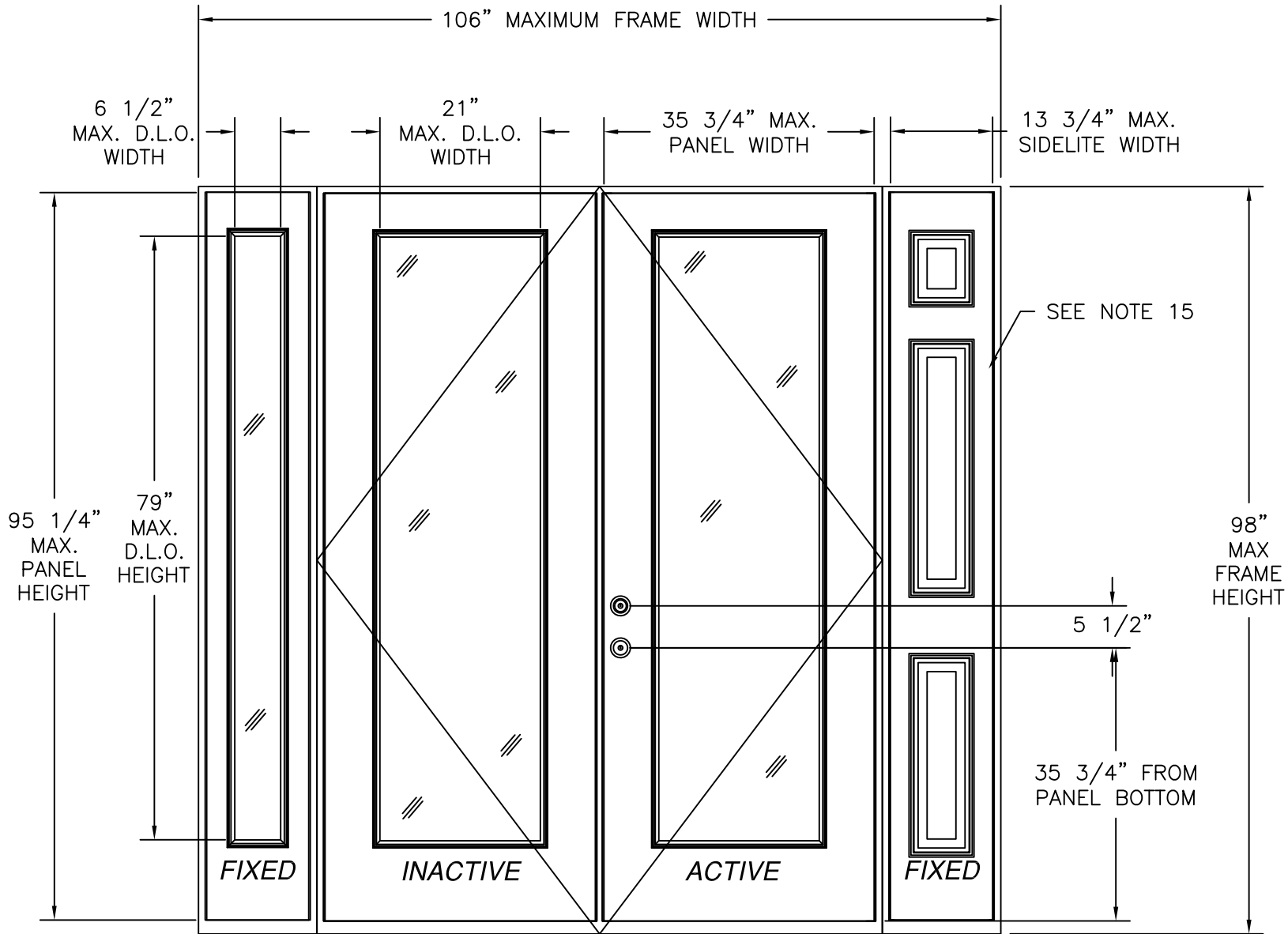
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Luis R. Lomas P.E.

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8' DISTINCTION IS FIBERGLASS GLAZED PATIO DOUBLE DOOR W/ SIDELITES
EXTERIOR VIEW

DESIGN PRESSURE RATING		IMPACT RATING
+19.0/-47.5PSF	±47.5PSF	LARGE AND SMALL MISSILE IMPACT
WHERE WATER INFILTRATION IS NEEDED	WHERE WATER INFILTRATION IS NOT NEEDED	

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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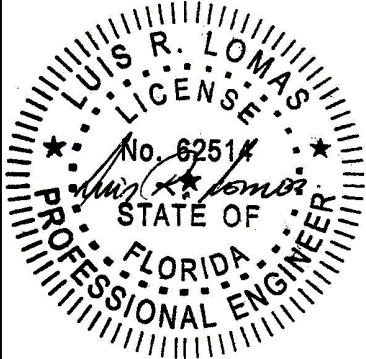
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SHEET
2 OF 9

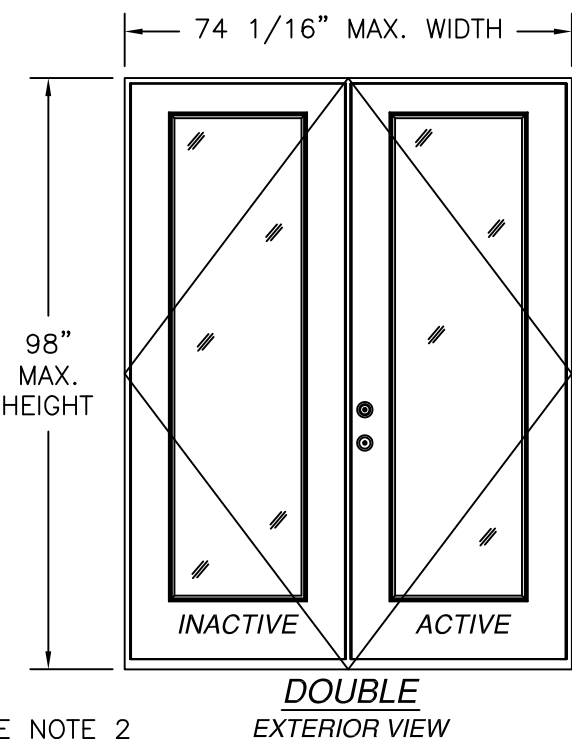
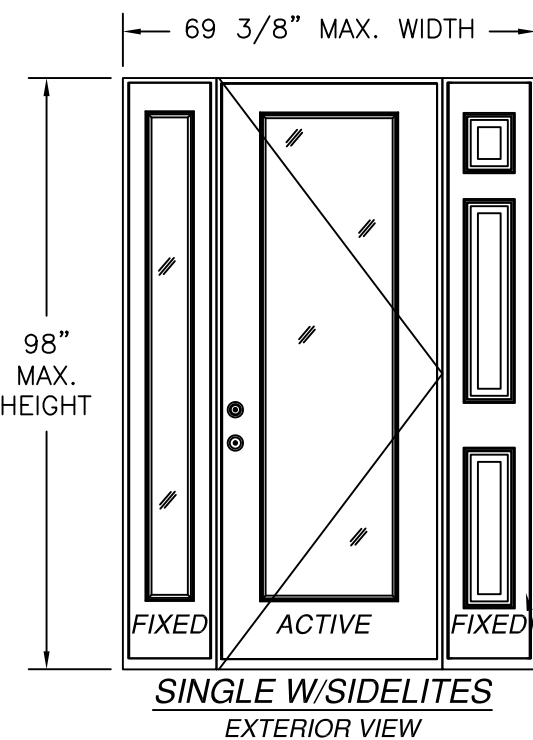
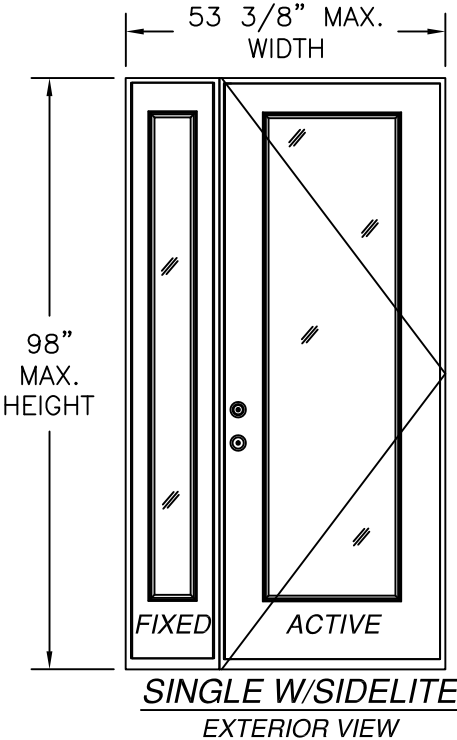
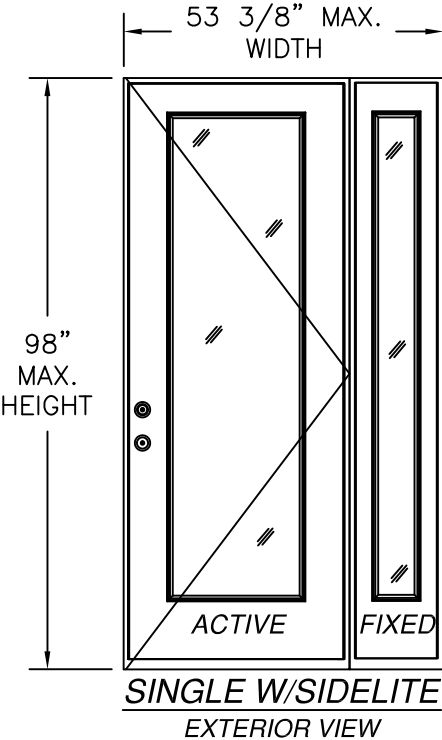
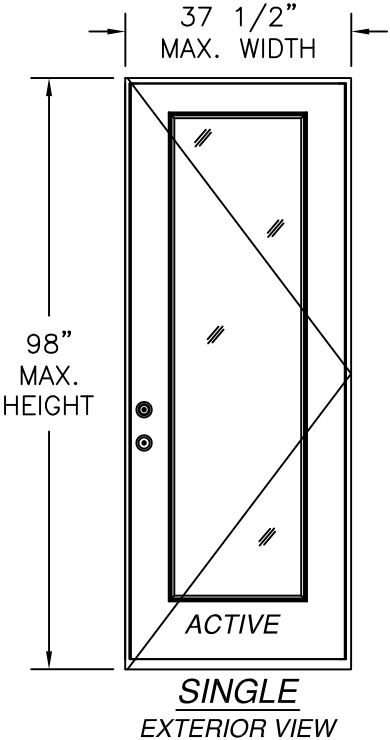
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- NOTES:
- 1) ALL APPROVED CONFIGURATIONS ARE SHOWN AS RIGHT HAND ACTIVE, LEFT HAND ACTIVE IS ALSO APPROVED.
 - 2) SIDELITES MAYBE GLAZED OR OPAQUE.

HARDWARE SCHEDULE
A. KEYED ENTRY LATCH AND DEADBOLT BY KWIKSET
B. (4) 4" x 4" BUTT HINGES BY MIKOTA
C. EXTRUDED ALUMINUM 6063-T6 ASTRAGAL BY ENDURA
D. EXTRUDED ALUMINUM 6063-T6 MULLION BY NAN YA PLASTICS

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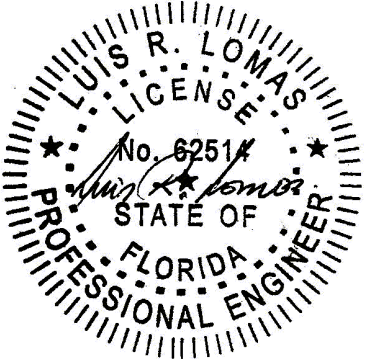
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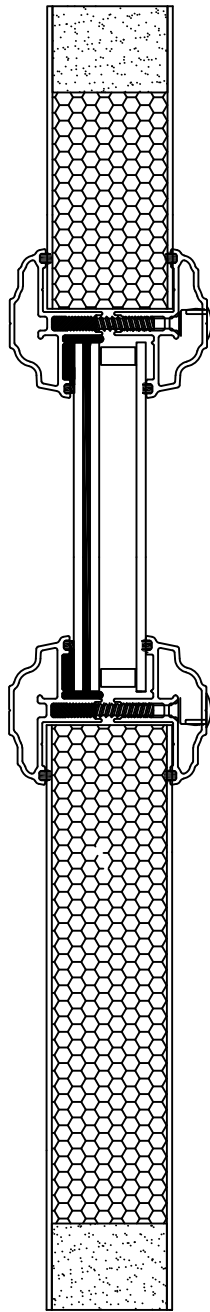
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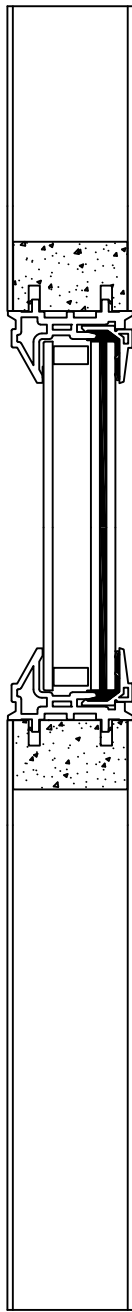
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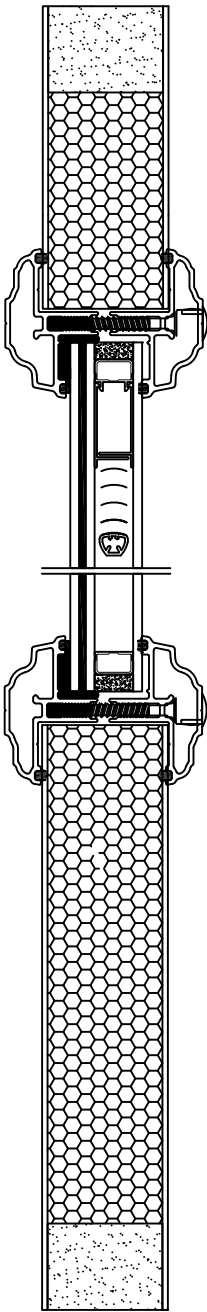
APPROVED PANEL CONFIGURATIONS



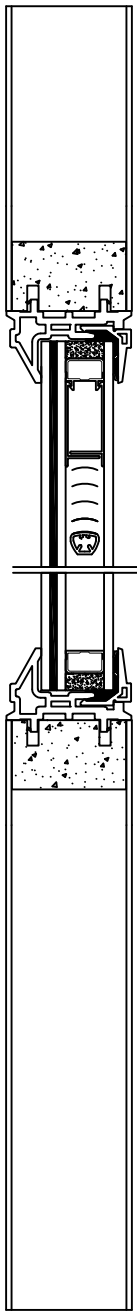
STANDARD



STANDARD



W/MINI-BLIND



W/MINI-BLIND

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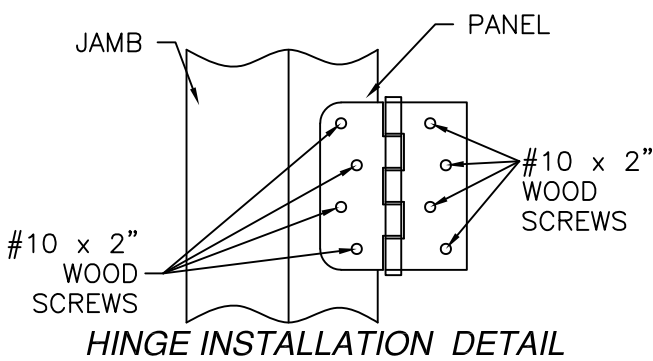
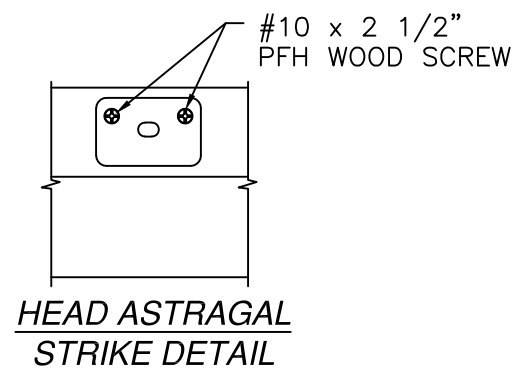
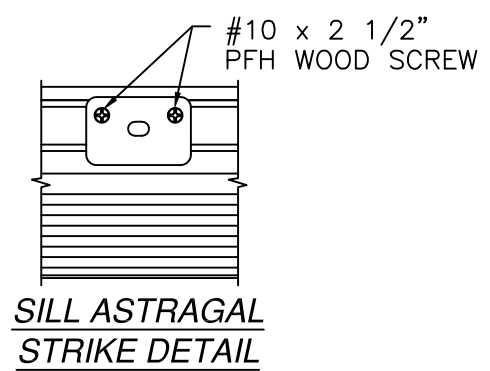
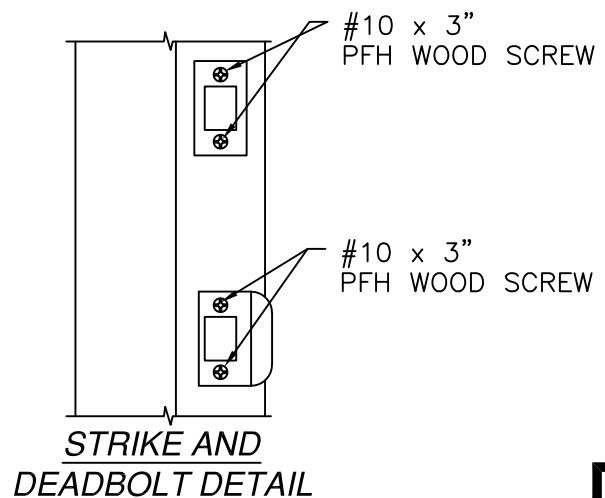
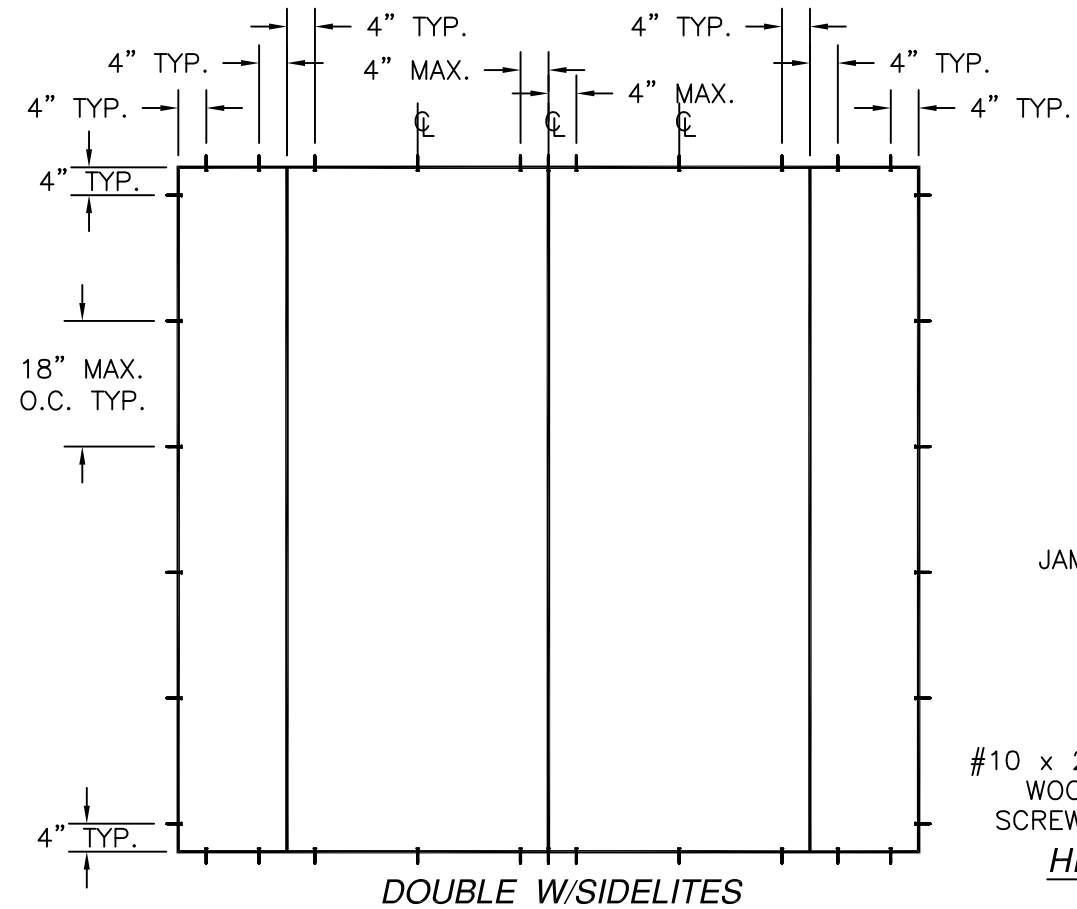
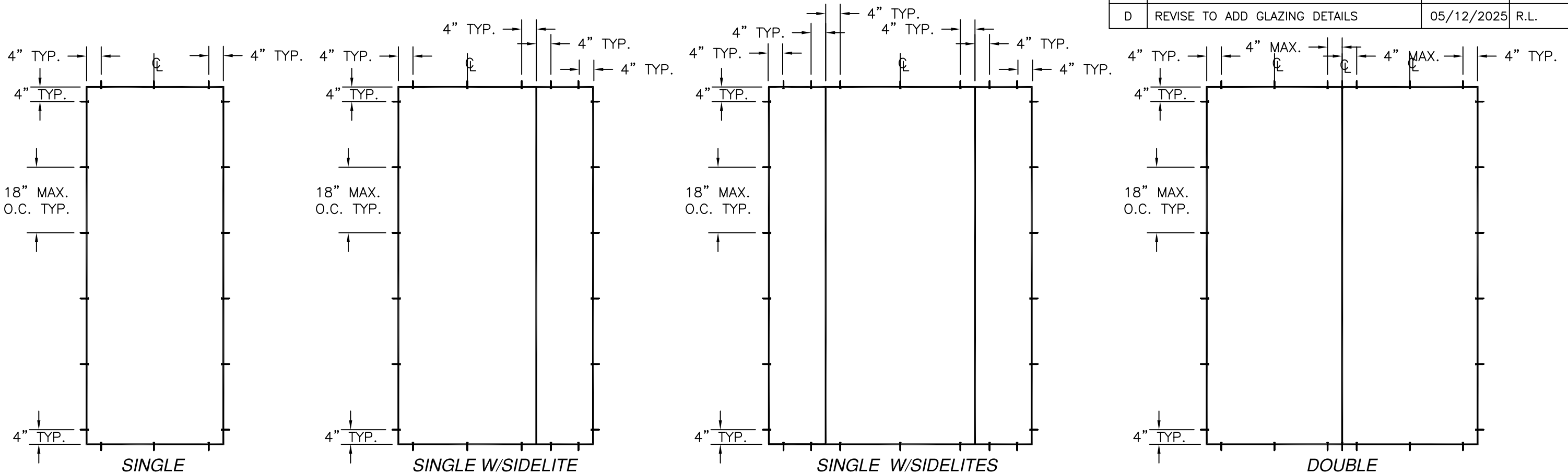
SHEET 5 OF 9

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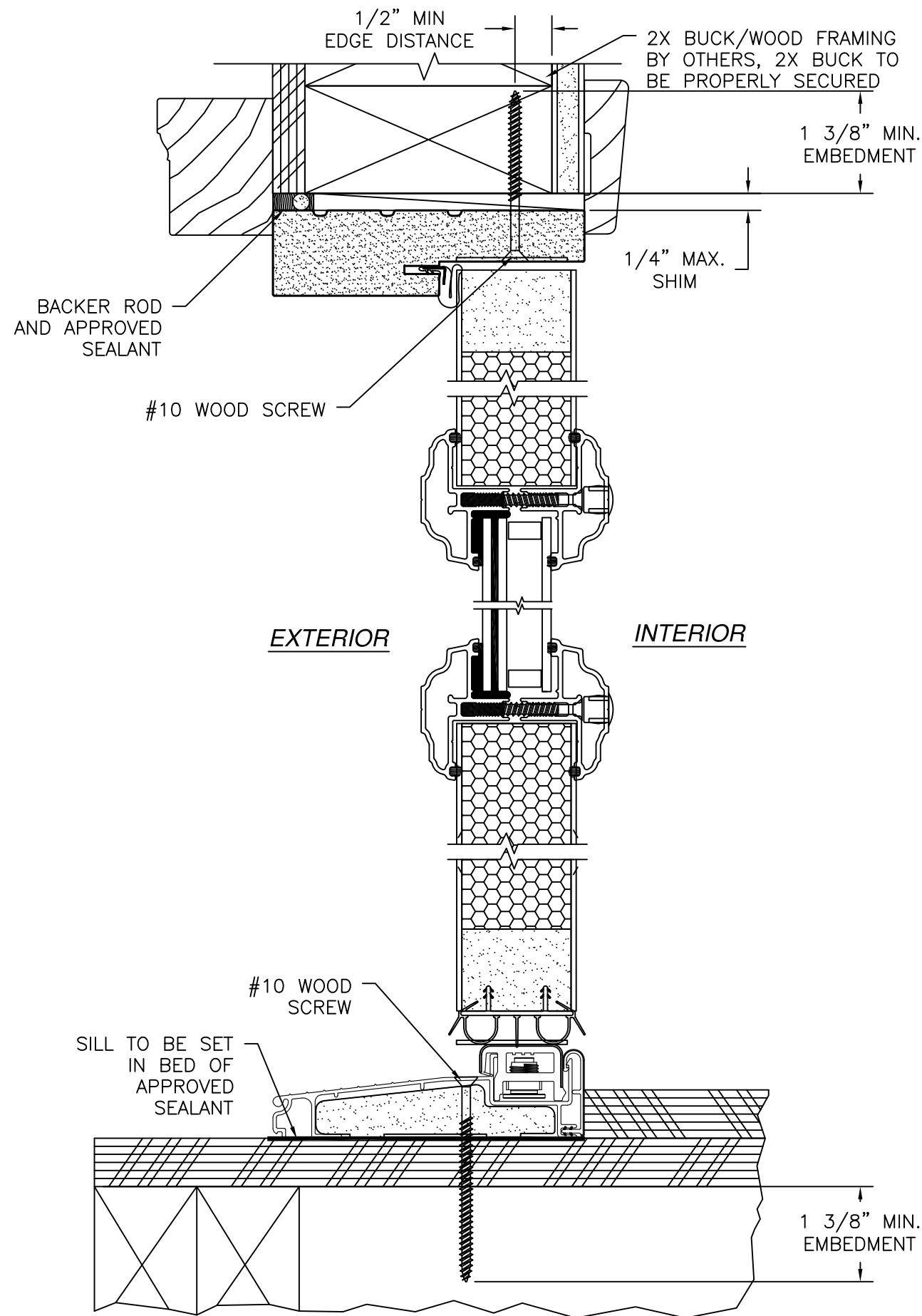
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ANCHORING LAYOUTS AND DETAILS

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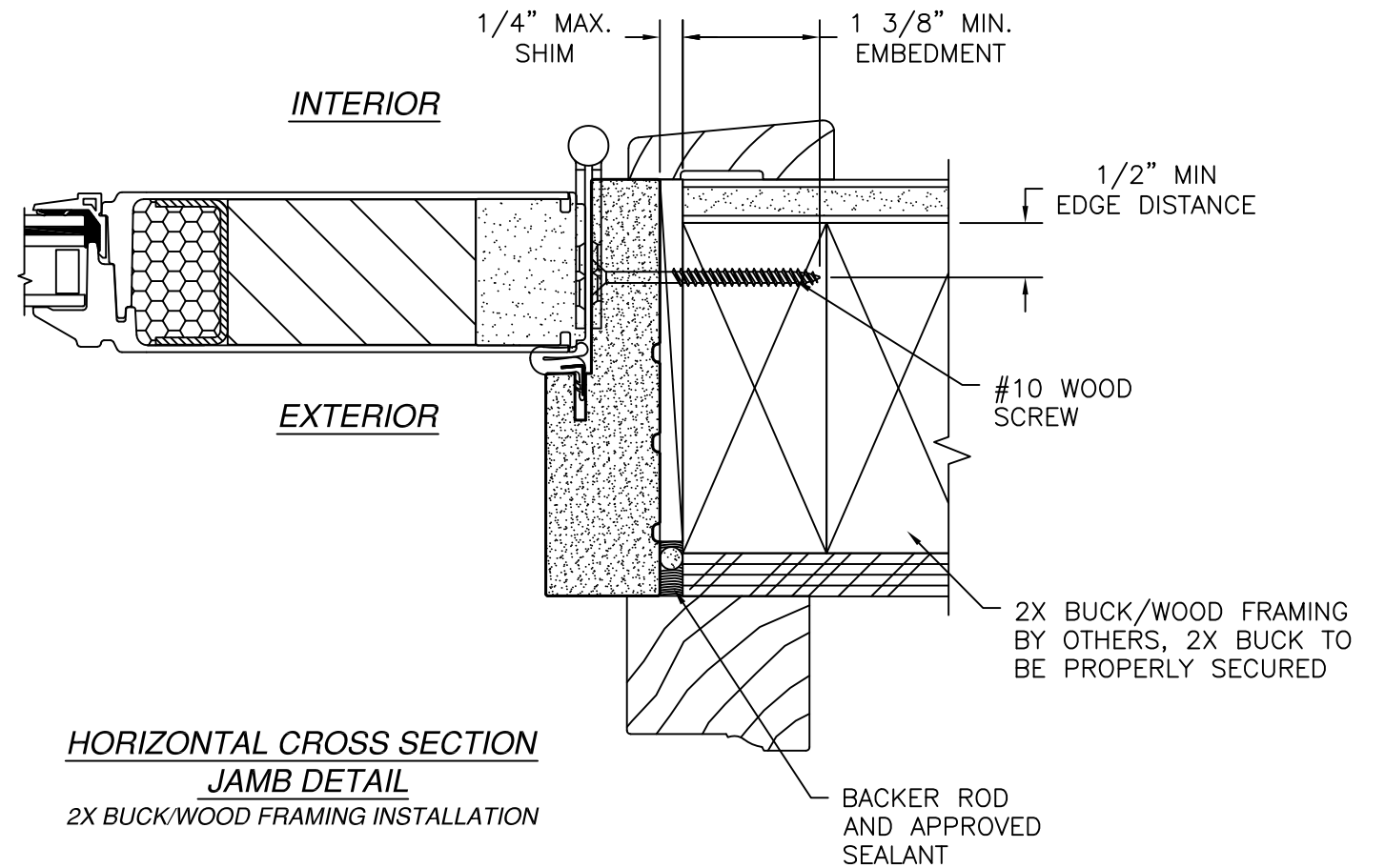
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LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
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VERTICAL CROSS SECTION
DOOR SHOWN, SIDELITE SIMILAR
2X BUCK/WOOD FRAMING INSTALLATION



HORIZONTAL CROSS SECTION
JAMB DETAIL
2X BUCK/WOOD FRAMING INSTALLATION

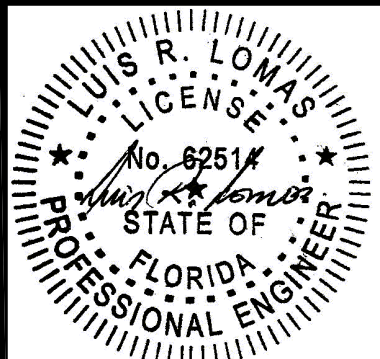
NOTES:

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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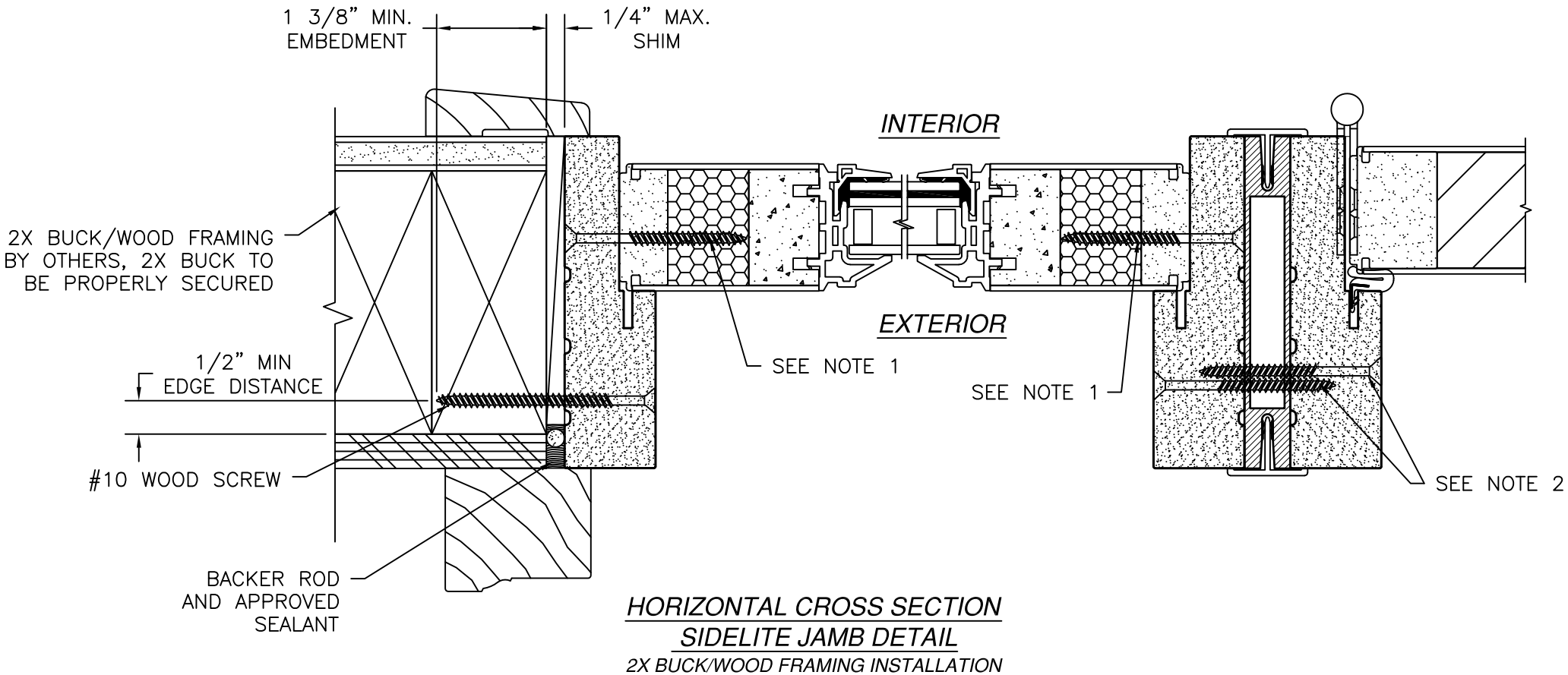
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
FIBERGLASS SKIN GLAZED DOUBLE ENTRY DOOR W/ & W/O SIDELITES – 8'0 DISTINCTION IS IMPACT INSTALLATION DETAILS		
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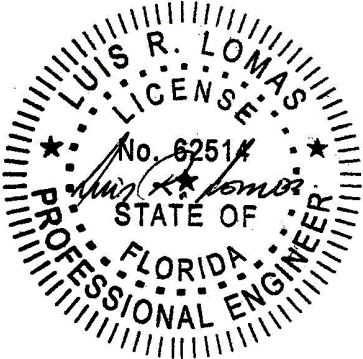


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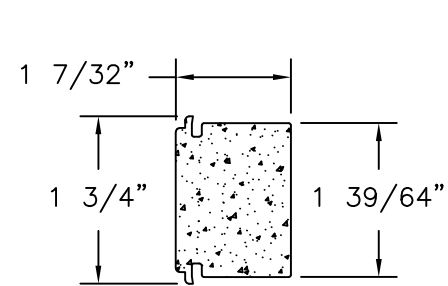
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- NOTES:
- 1) SIDELITE PANEL IS ATTACHED TO FRAME AS FOLLOWS:
 AT HEAD WITH TWO #10 x 2 1/2" WOOD SCREWS SPACED 4" FROM EACH END.
 AT SILL WITH TWO #10 x 3" WOOD SCREWS SPACED 4" FROM EACH END.
 AT JAMBS WITH SIX #10 x 2 1/2" WOOD SCREWS SPACED 4" FROM HEAD AND SILL WITH FOUR MORE AT 18" O.C.
 - 2) MULLION IS SECURED TOGETHER AS FOLLOWS:
 FROM SIDELITE JAMB SIDE WITH (6) #10 x 2 1/2" PFH SCREWS AT 4" FROM EACH END WITH (4) MORE SPACED 17 1/2" MAX. O.C.
 FROM DOOR JAMB SIDE WITH (5) #10 x 2 1/2" PFH SCREWS AT 5" FROM EACH END WITH (3) MORE SPACED AT 21 1/2" MAX. O.C.

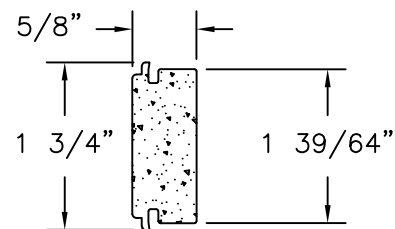
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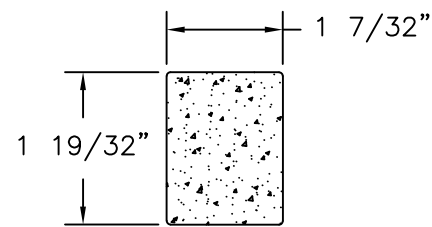
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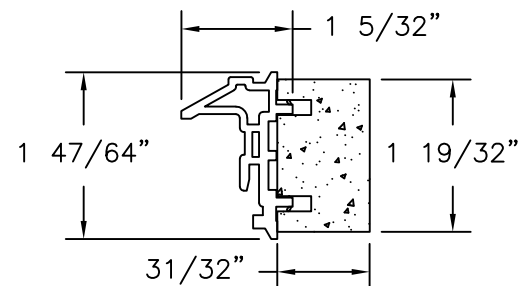
1 7/32" STILE
FOAM PVC



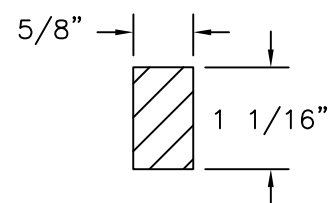
5/8" STILE
FOAM PVC



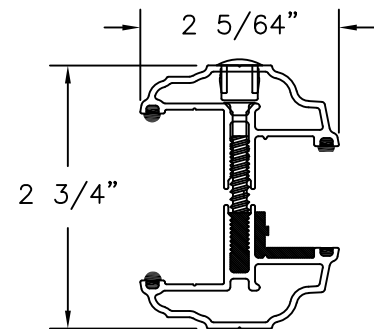
TOP AND BOTTOM RAIL
FOAM PVC



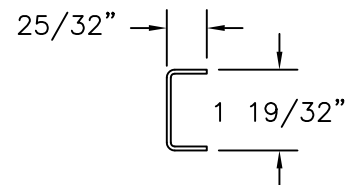
S1NP LITE FRAME AND INNER FRAME
RIGID PVC .078" THICK AND FOAM PVC



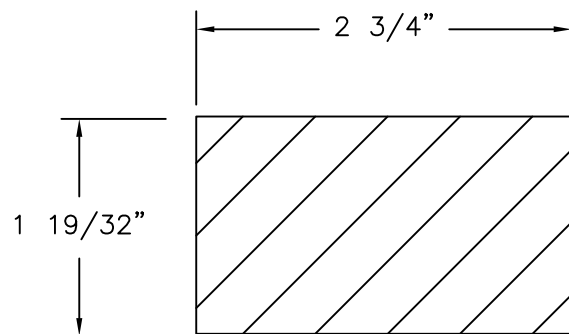
5/8" REINFORCEMENT
WHITE PINE



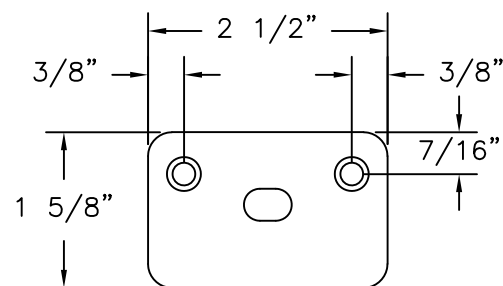
ODL HURRICANE LITE FRAME
EXTRUDED ALUMINUM 6063-T6 .065" THICK



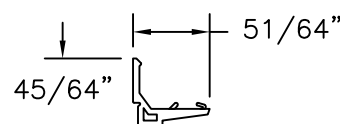
3/32" REINFORCEMENT U-CHANNEL
ZINC COATED STEEL .094" THICK



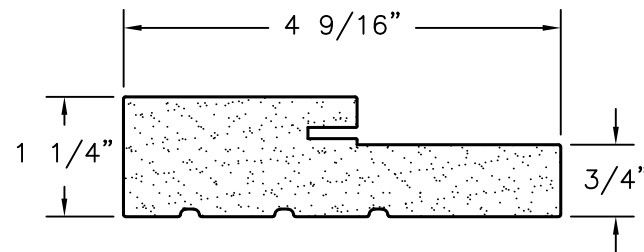
2 3/4" REINFORCEMENT
WHITE PINE



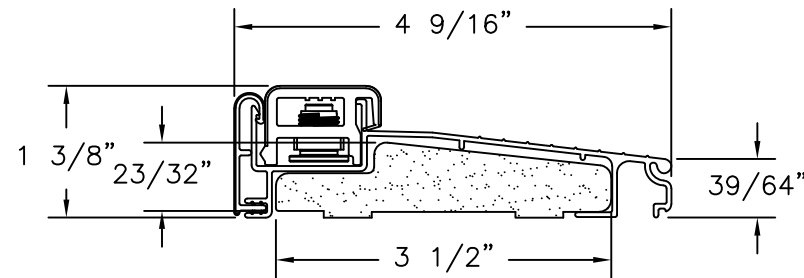
HEAD/SILL PLATE
STEEL .065" THICK



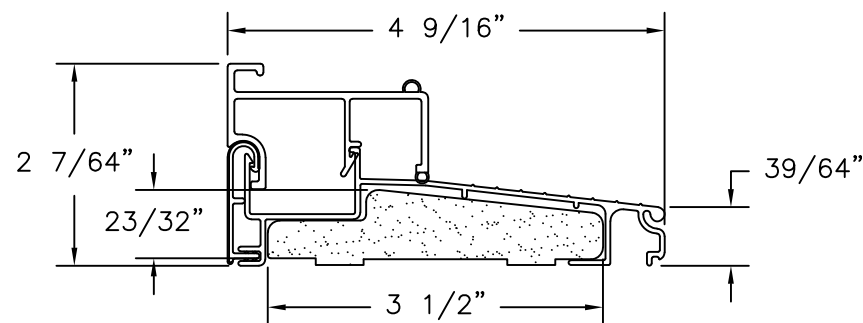
1" GLAZING BEAD
RIGID PVC .067" THICK



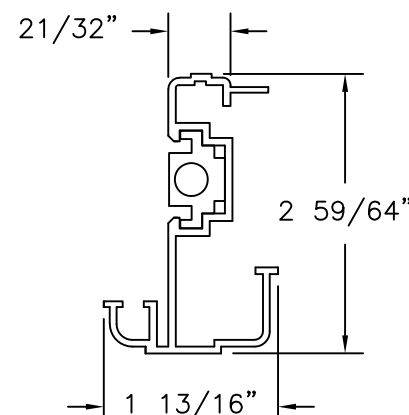
4 9/16" HEAD AND JAMB
EXTRUDED PVC COMPOSITE



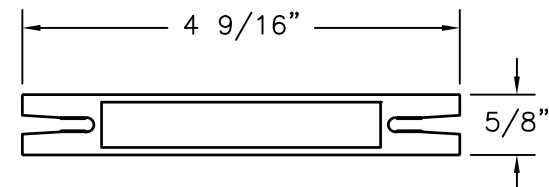
ENDURA 4 9/16" INSWING DOOR SILL
EXTRUDED ALUMINUM 6063-T6 .055" THICK
EXTRUDED PVC COMPOSITE .10" THICK



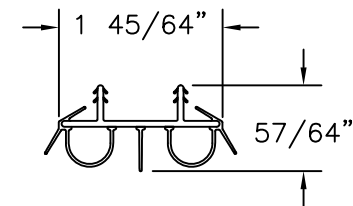
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EXTRUDED ALUMINUM 6063-T6 .055" THICK
EXTRUDED PVC COMPOSITE .070" THICK



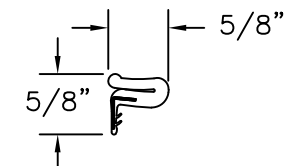
ENDURA INSWING ASTRAGAL
EXTRUDED ALUMINUM 6063-T6 .078" THICK



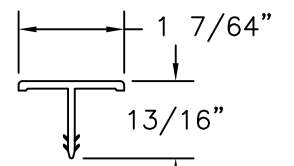
MULLION REINFORCEMENT
EXTRUDED ALUMINUM 6063-T6 .078" THICK



ENDURA DOOR BOTTOM
EXTRUDED PVC .061" THICK



Q-LON WEATHERSTRIP
FOAM SILICONE, PE LINER



MULLION COVER
EXTRUDED PVC .078" THICK

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