

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SLAB CONFIGURATIONS	10/03/2024	R.L.

- NOTES:
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 - 2. WOOD FRAMING, METAL STRUCTURE 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: COMPOSITE.
 - 11. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
 - 12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

- 13. 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.
- 14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/8” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 15. 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.
- 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:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: GROUT/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM. GROUT FILLED.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

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NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST, SUITE 800
HOUSTON, TX 77029

SERIES ENTRY DOOR OUTSWING FIBERGLASS
SIDE HINGED DOOR, NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03302

REV
E

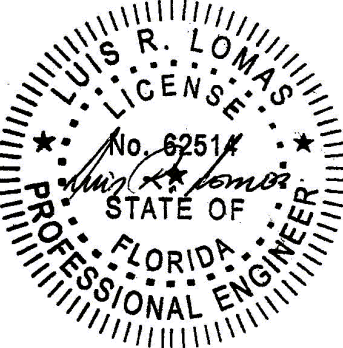
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DATE 09/04/18

SHEET 1 OF 11

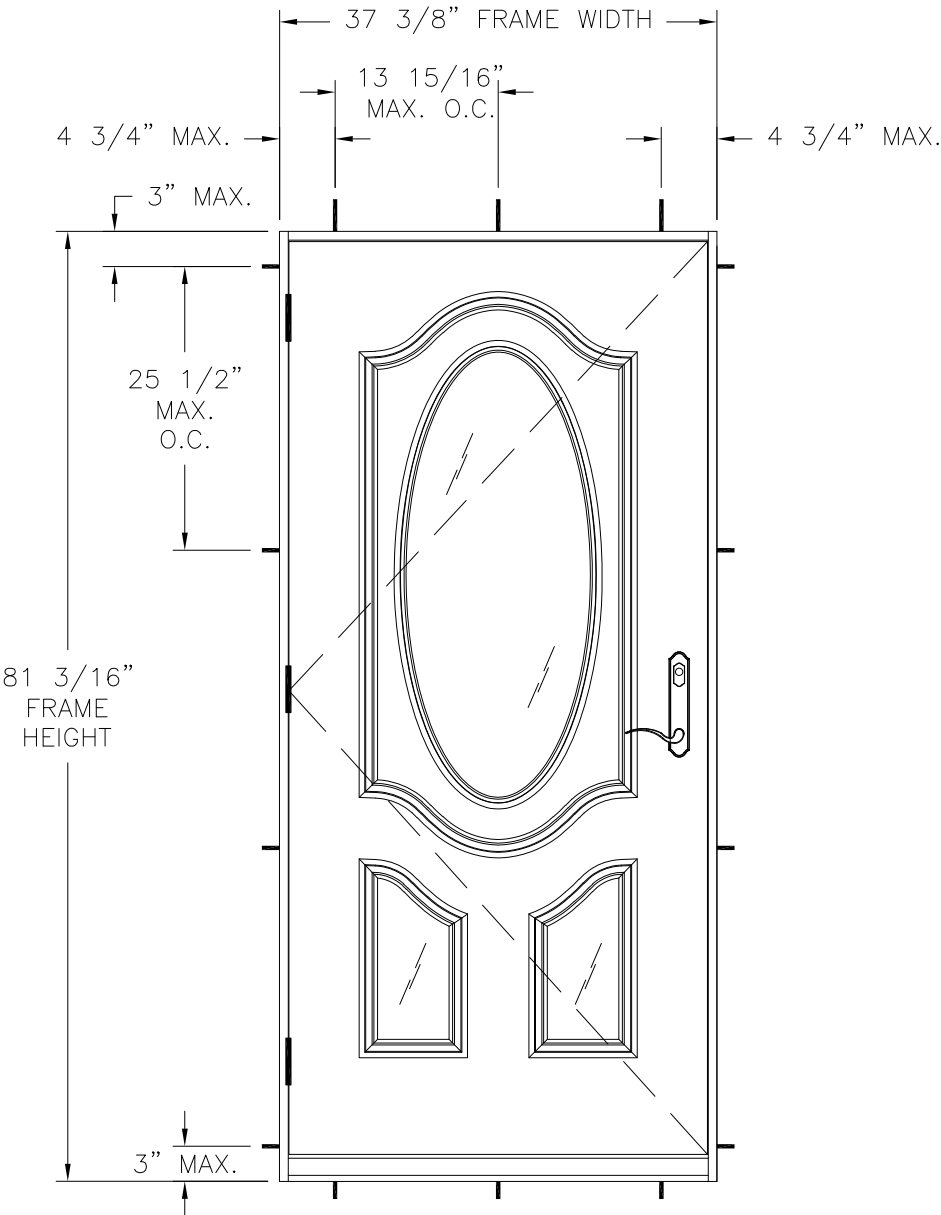
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/16/2024



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SLAB CONFIGURATIONS	10/03/2024	R.L.



- NOTES:
- PANEL SIZE: 35 3/4" X 79 1/4"
 - D.L.O.: 15 3/4" X 38"

APPROVED HARDWARE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B SERIES
ENDURA	MULTI-POINT	3000

SERIES "PATIO DOOR OUTSWING" SIDE HINGED DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

35 3/4" X 79 1/4" PANEL SHOWN. OTHER SIZES APPROVED AS LONG
AS PANEL AREA DOES NOT EXCEED 19.67 FT²

HARDWARE SCHEDULE	
A.	HANDLE SETS (DIE CAST) AT PANEL
B.	STEEL DEADBOLT WITH KEEPER AT ACTIVE PANEL STILE
C.	STEEL LATCH WITH KEEPER AT ACTIVE PANEL STILE
D.	(3) 4 X 4 DOOR HINGE AT ACTIVE PANEL HINGE STILE

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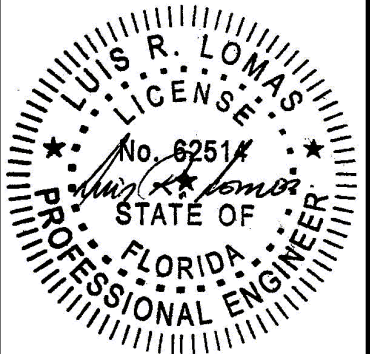
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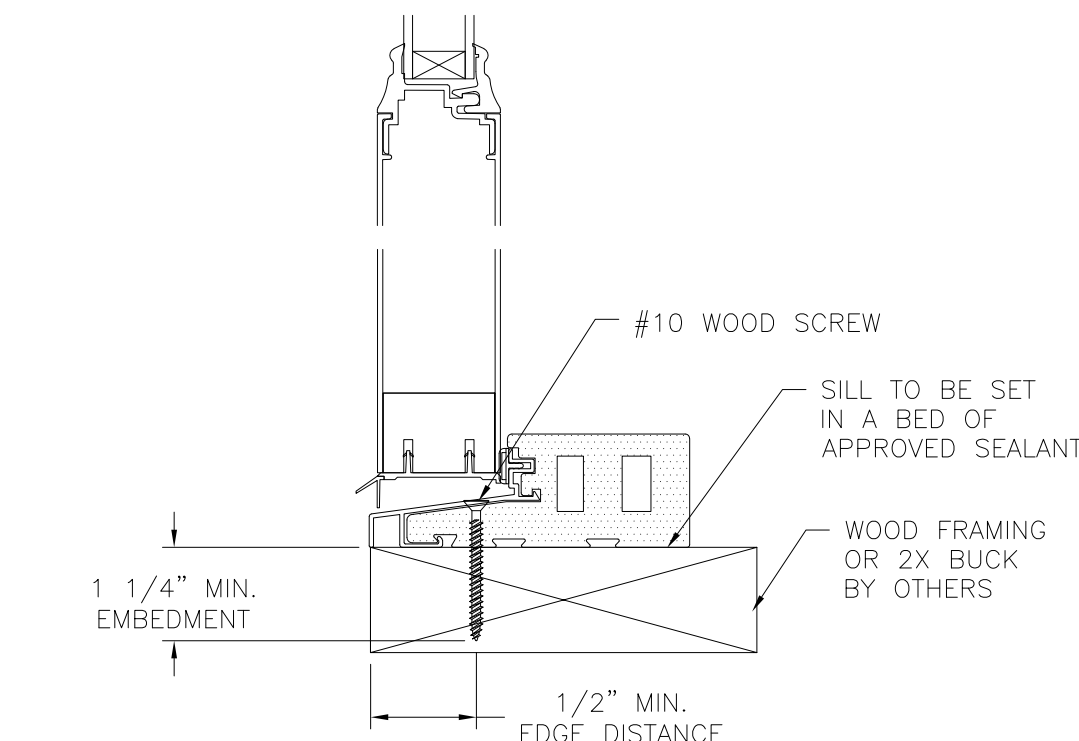
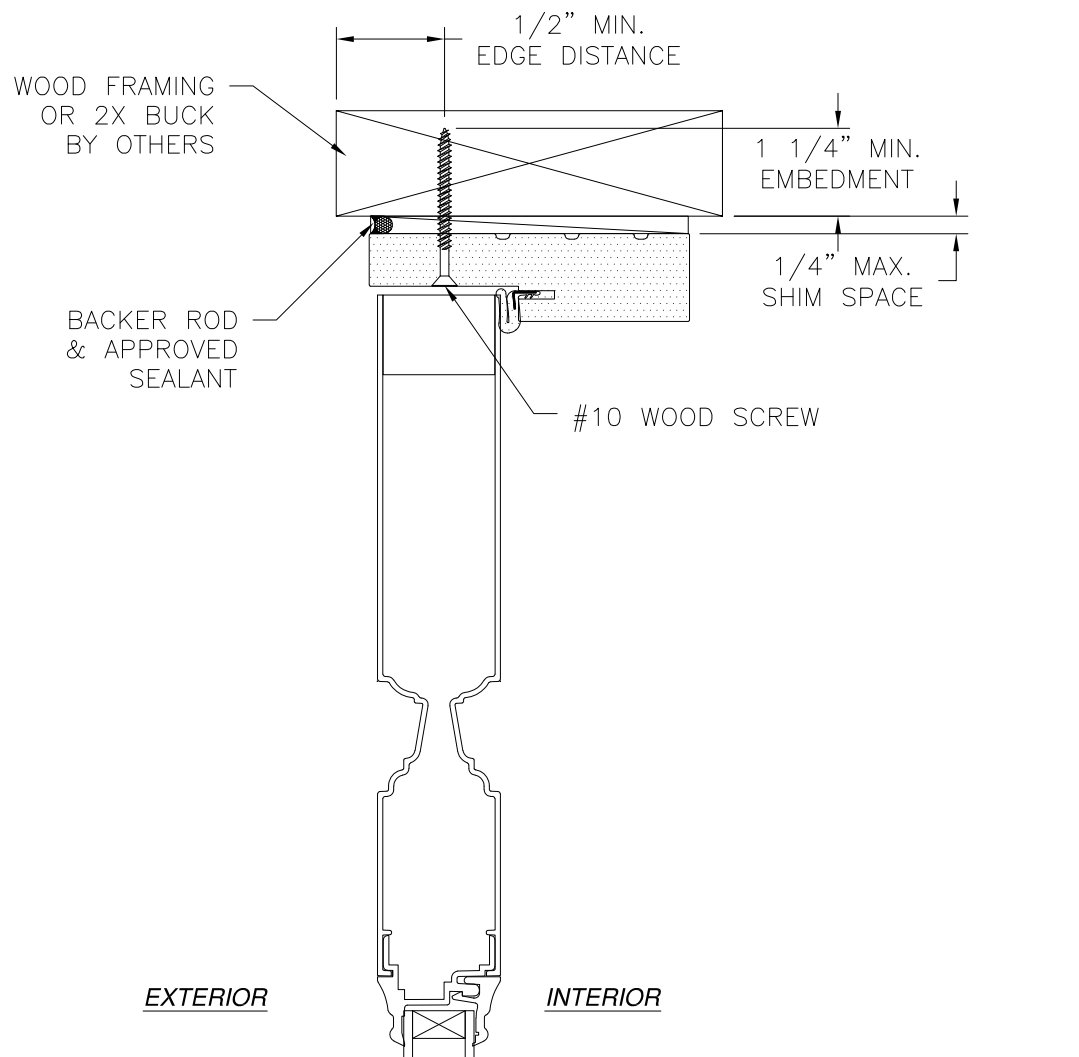
SHEET
2 OF 11

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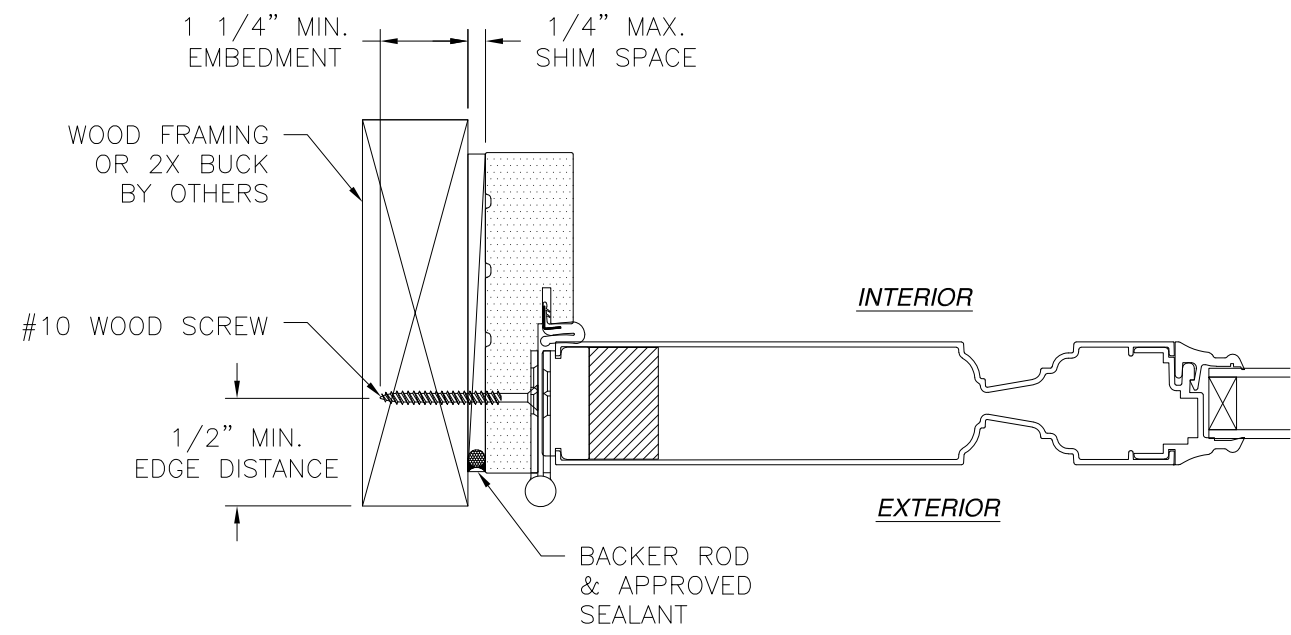


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK 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

SIGNED: 10/16/2024

NAN YA PLASTICS CORPORATION U.S.A. 8989 NORTH LOOP EAST, SUITE 800 HOUSTON, TX 77029		
SERIES ENTRY DOOR OUTSWING FIBERGLASS SIDE HINGED DOOR, NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03302	REV E
SCALE NTS	DATE 09/04/18	SHEET 3 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

Professional Engineer

STATE OF FLORIDA

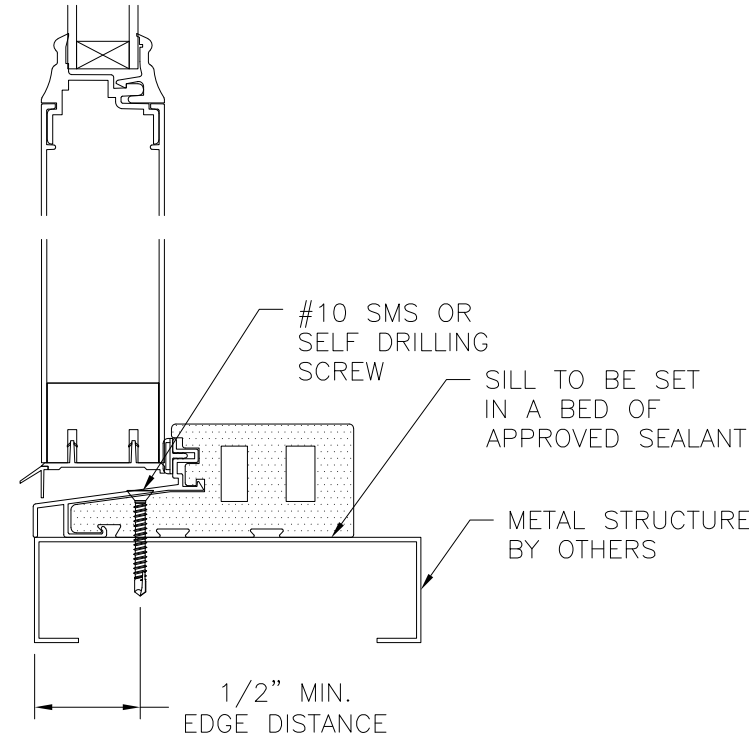
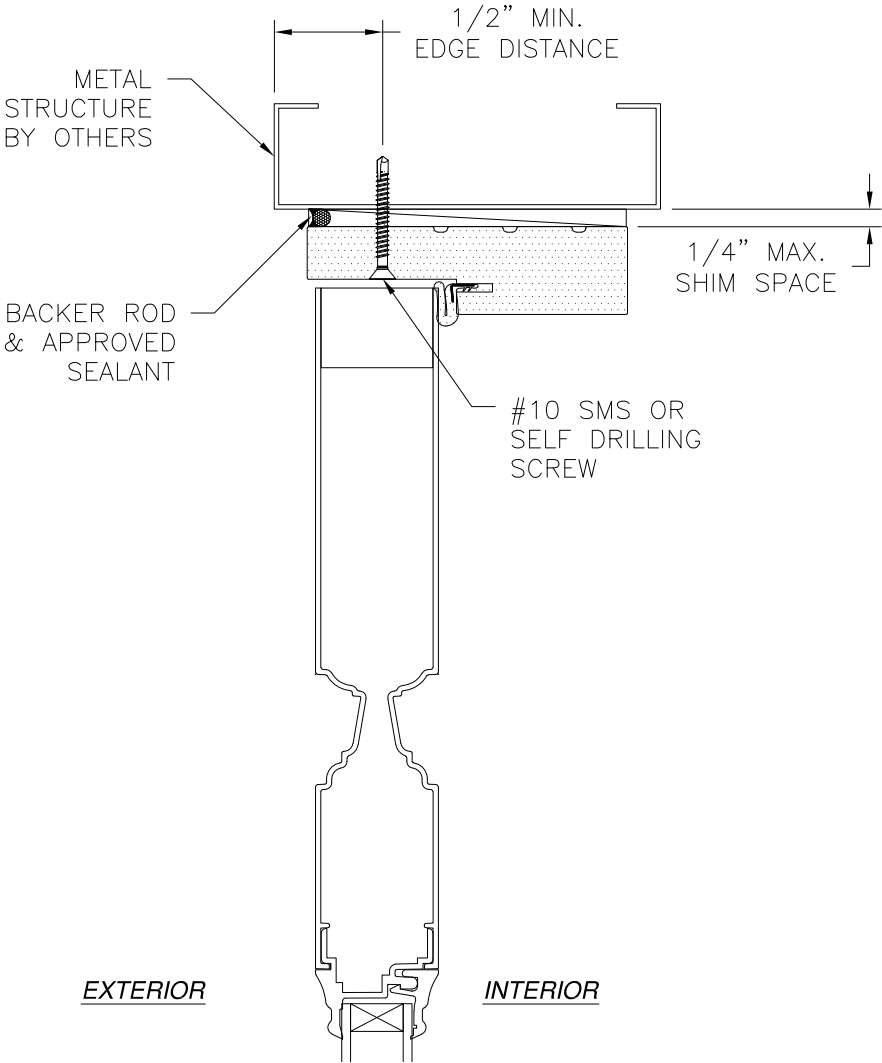
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L. ROBERTO LOMAS

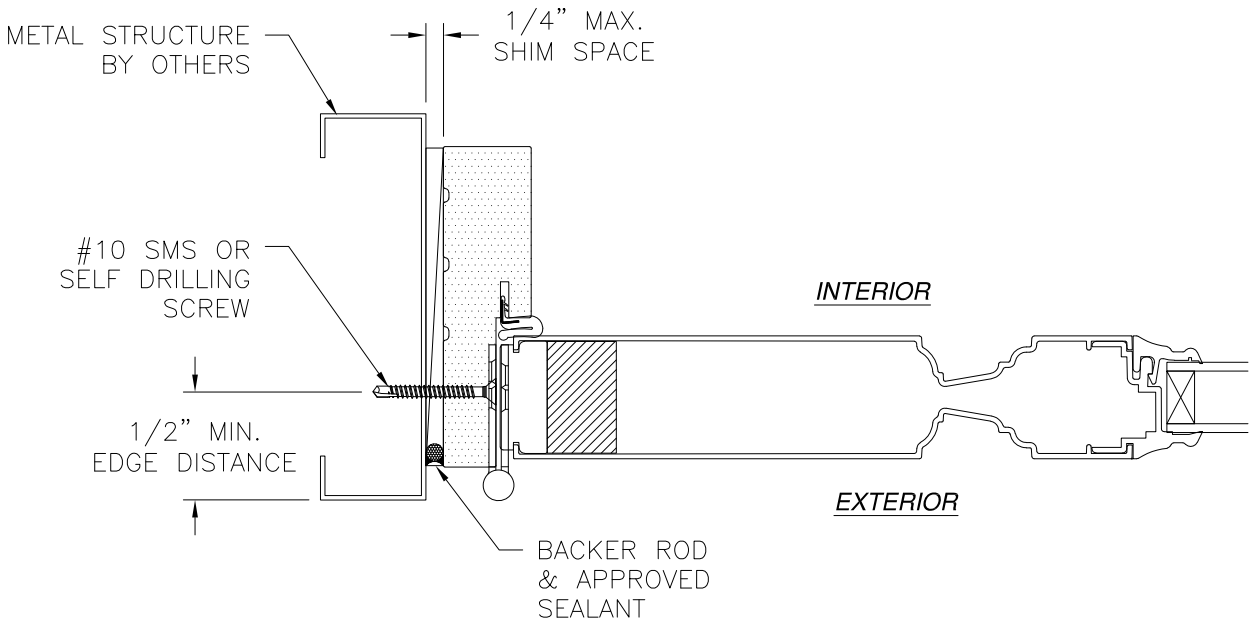
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

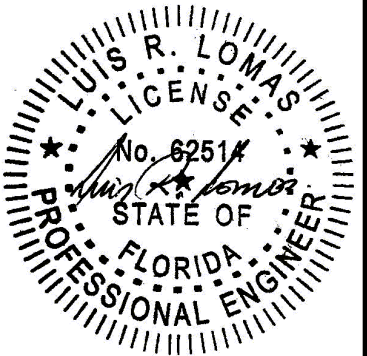


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

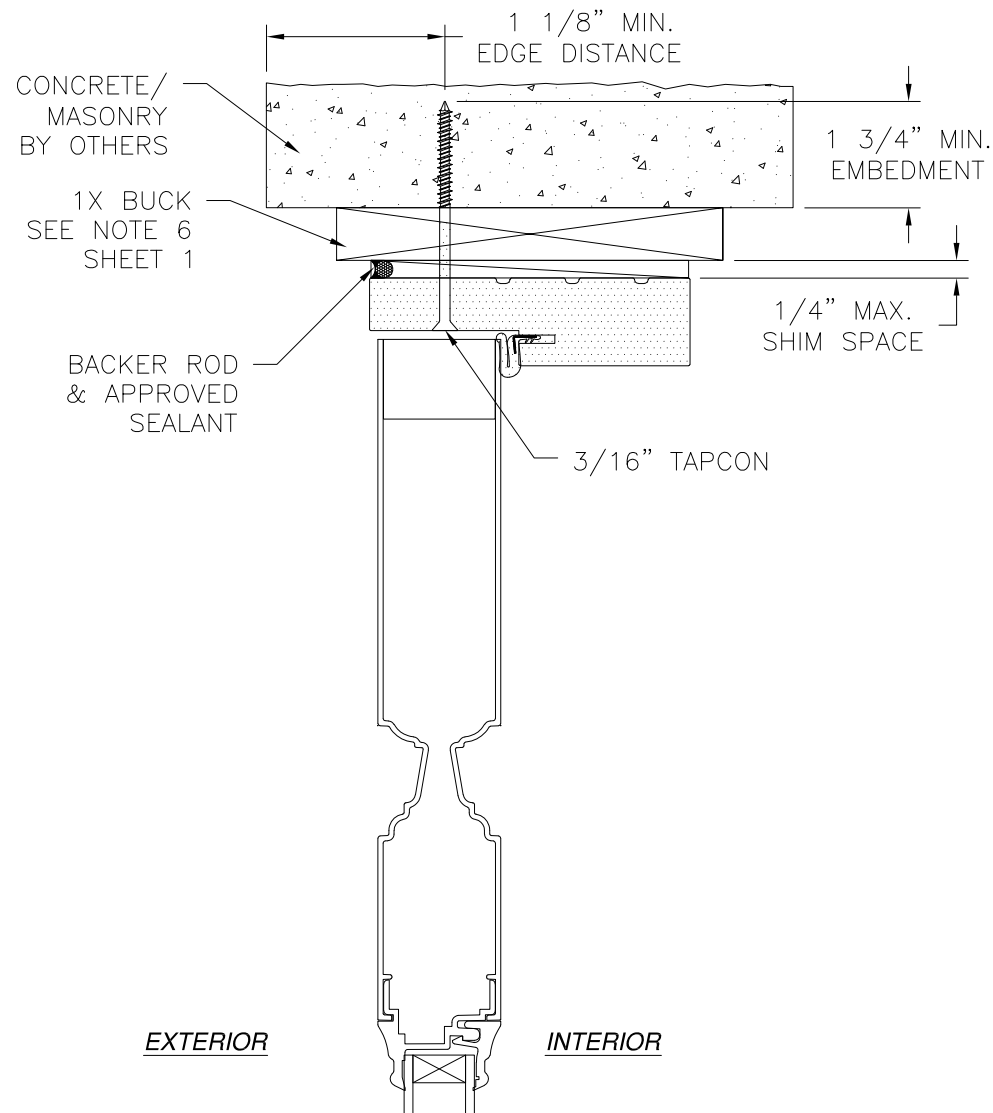
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SIGNED: 10/16/2024

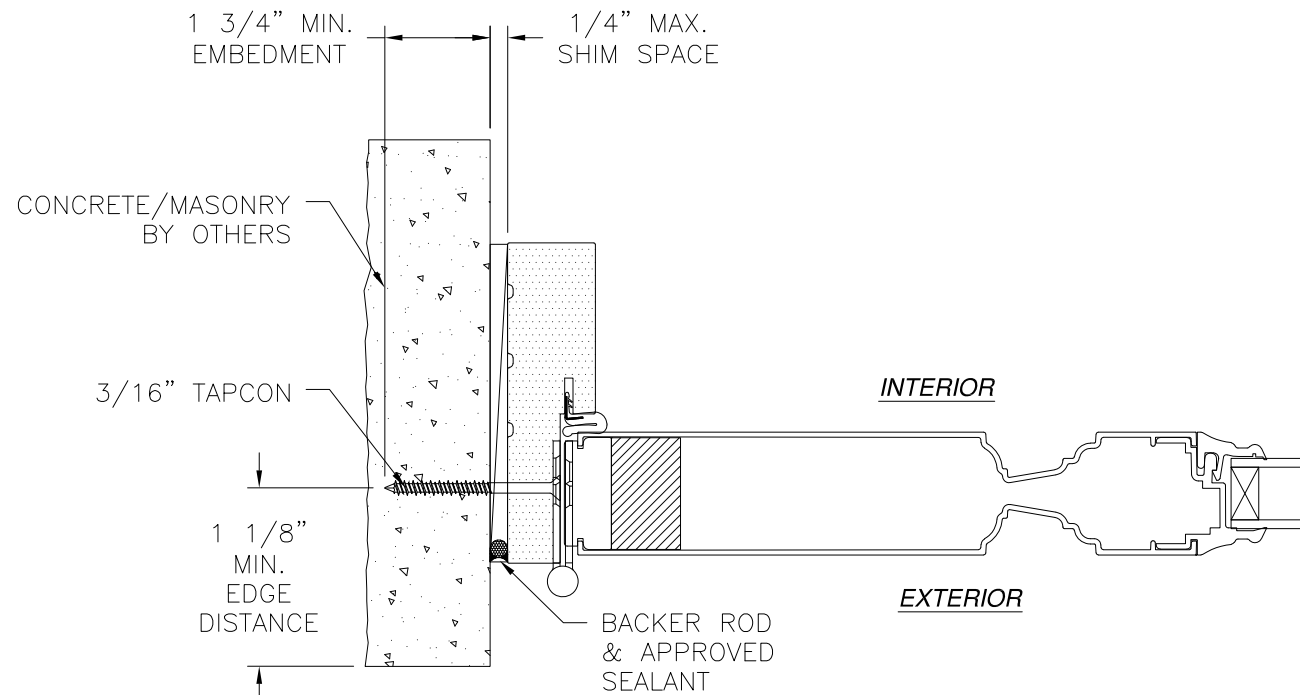
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



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

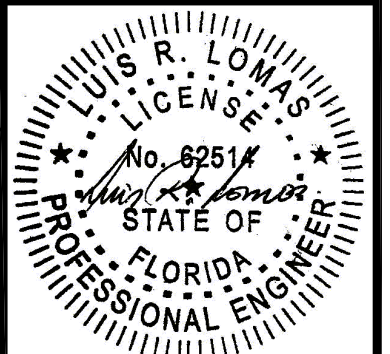
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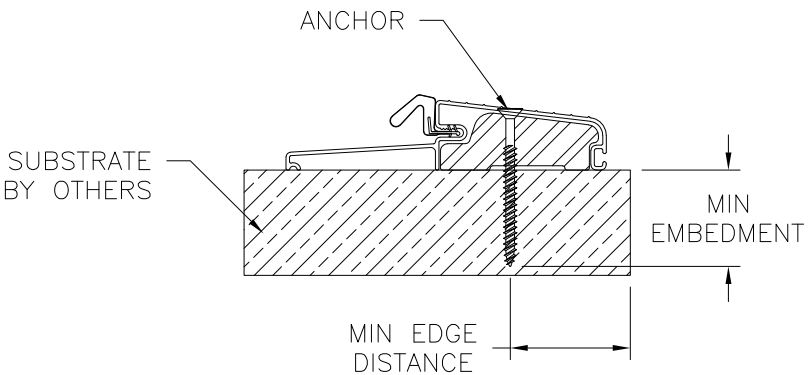


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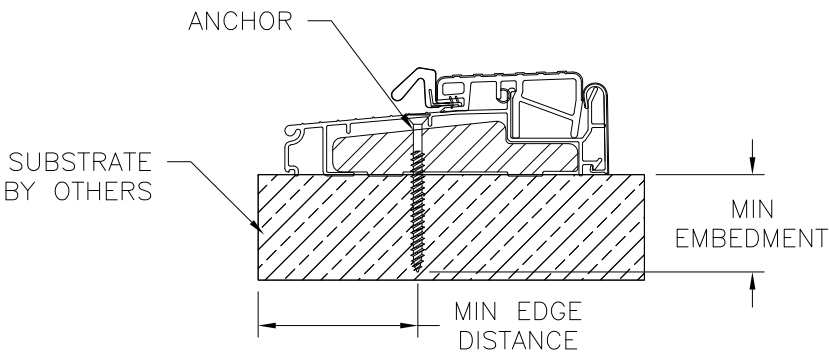
SILLS ANCHORS LOCATIONS

FOR ANCHOR TYPE, EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REFER TO SHEETS 3 - 5
SILLS TO BE SET IN A BED OF APPROVED SEALANT

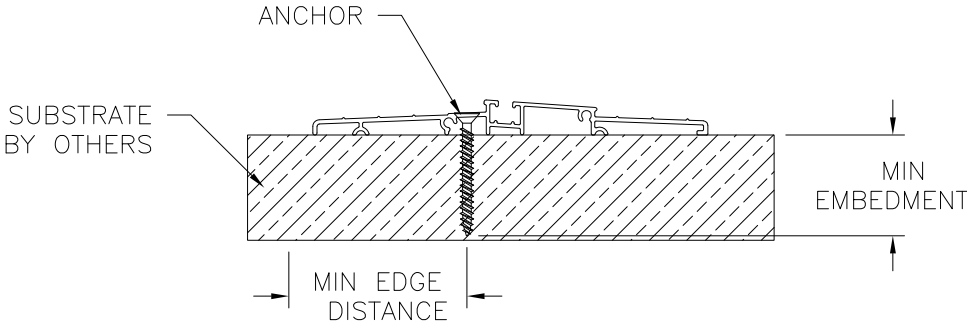
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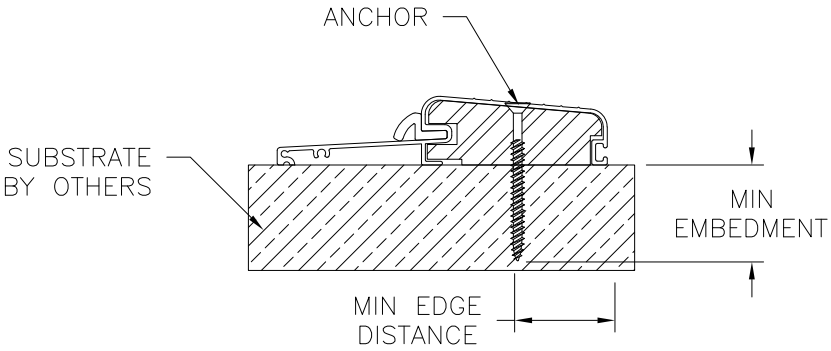
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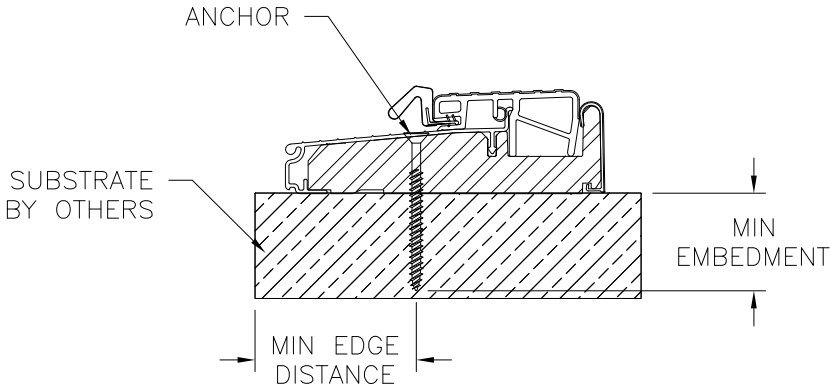
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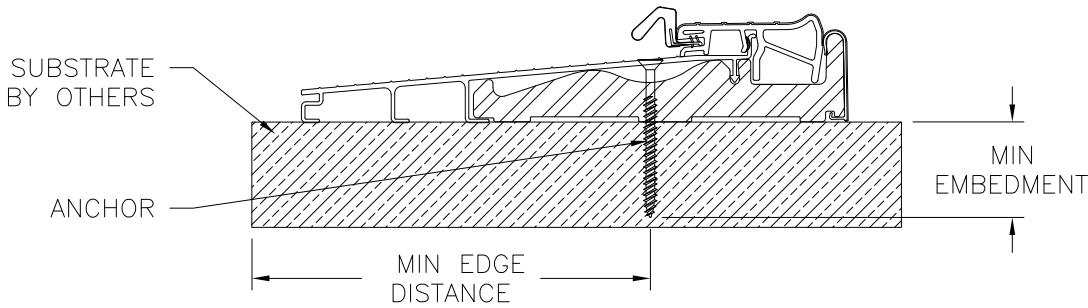
ENDURA ADA THRESHOLD ZHCO5622
TO BE USED ONLY WHERE WATER PENETRATION
RESISTANCE IS NOT REQUIRED



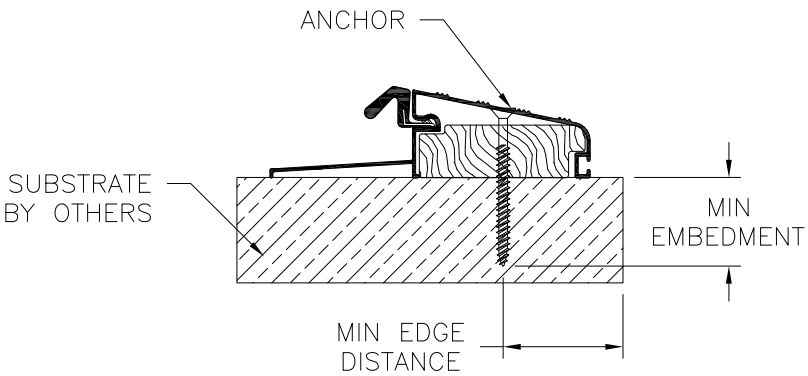
COLUMBIA THRESHOLD 575



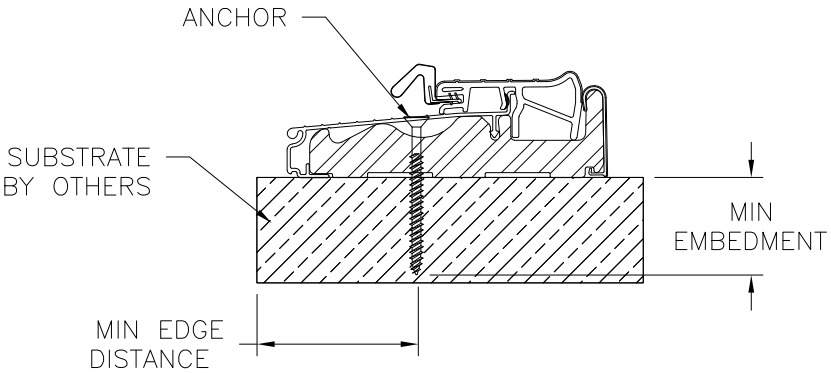
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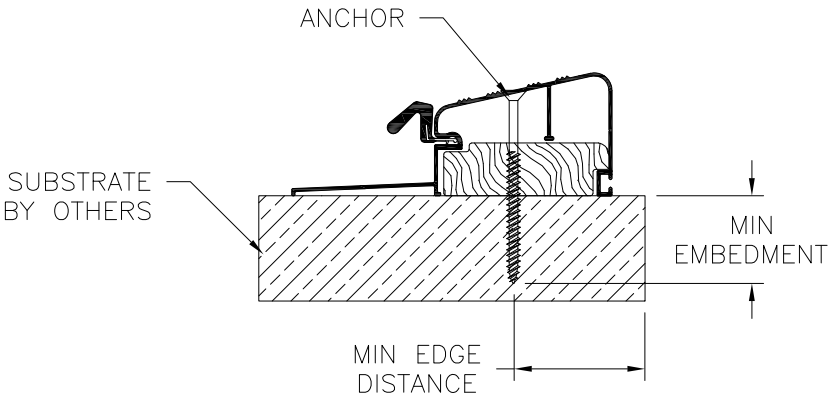
ENDURA THRESHOLD ZOBLH7815



DLP THRESHOLD QOSH



ENDURA THRESHOLD ZOBLH4565



DLP THRESHOLD QOSR

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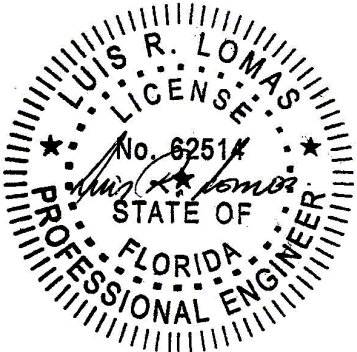
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6 OF 11

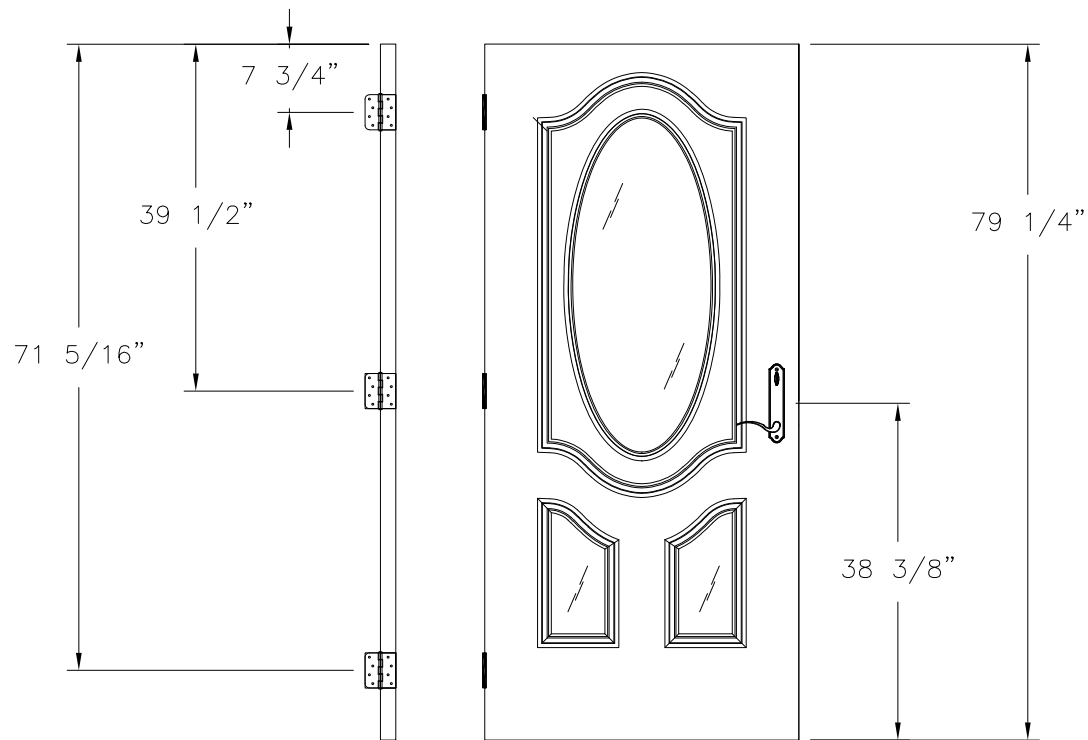
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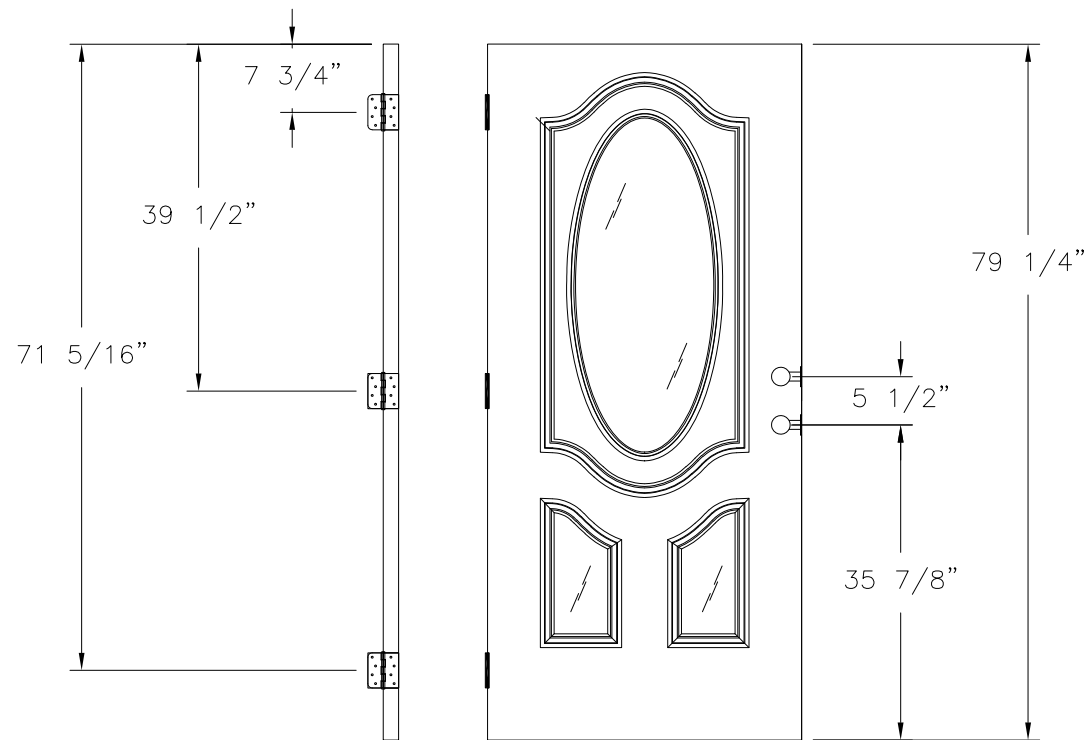


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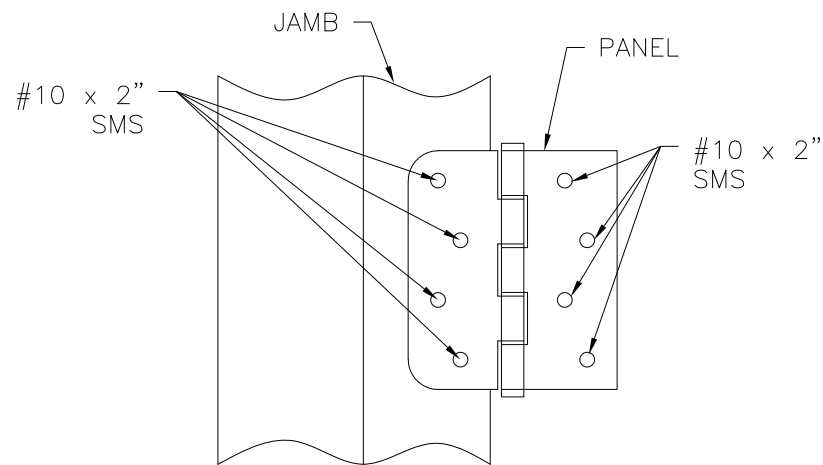
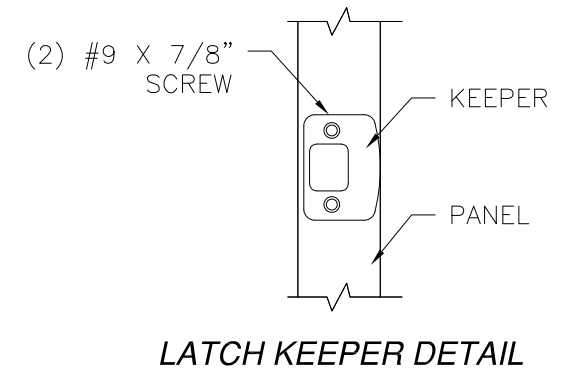
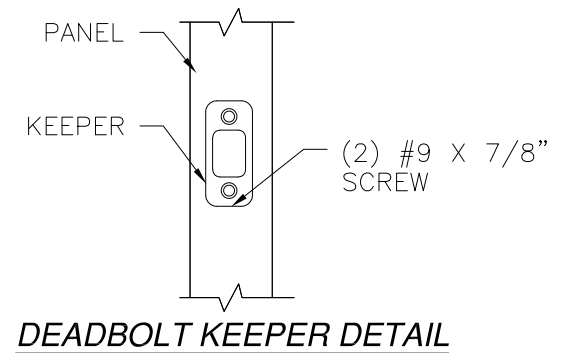
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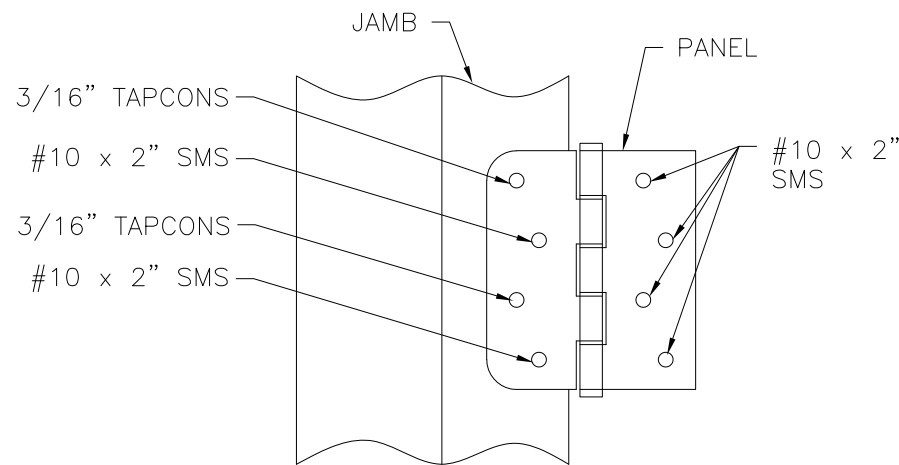
**LOCK AND HINGES LOCATIONS
WITH HANDLE**



**LOCK AND HINGES LOCATIONS
WITH LATCH AND DEADBOLT**



**HINGE INSTALLATION DETAIL
WOOD AND METAL INSTALLATION**



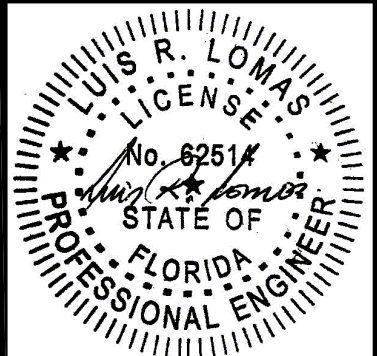
**HINGE INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION**

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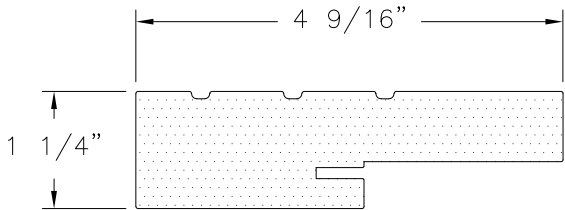
SERIES ENTRY DOOR OUTSWING FIBERGLASS
SIDE HINGED DOOR, NON-IMPACT
INSTALLATION DETAILS

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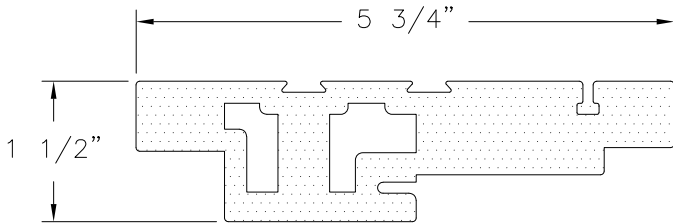
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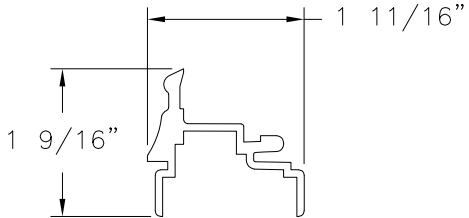
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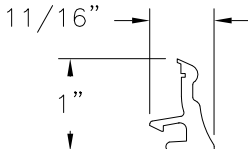
HEAD FRAME & JAMB
COMPOSITE



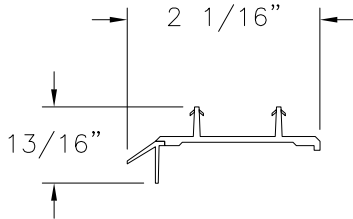
NEUMA HEAD FRAME & JAMB
COMPOSITE



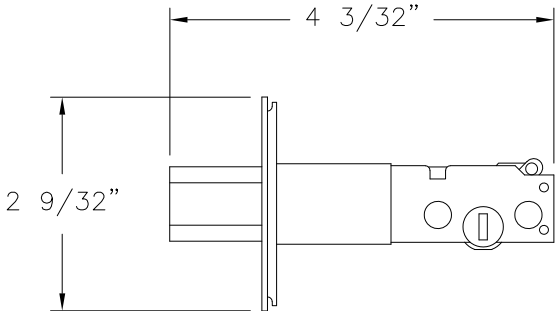
GLAZING FRAME
ABS



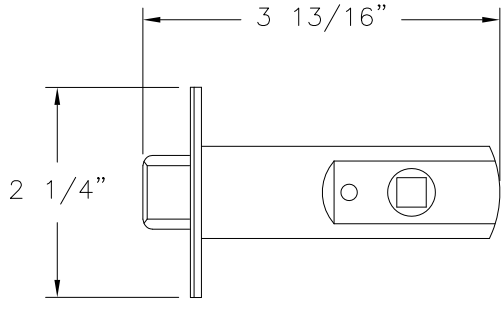
GLAZING BEAD
ABS



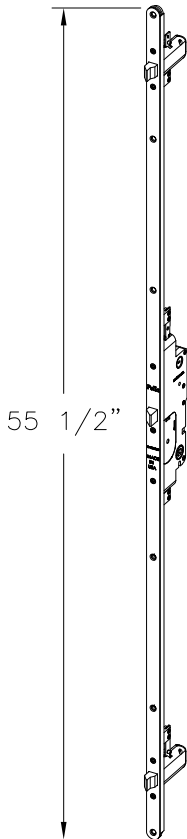
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RIGID PVC CO-EX



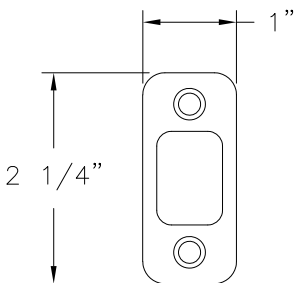
DOOR DEADBOLT
STEEL



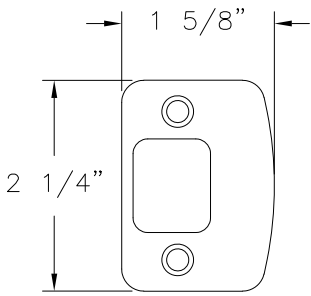
DOOR LATCH
STEEL



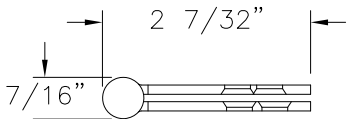
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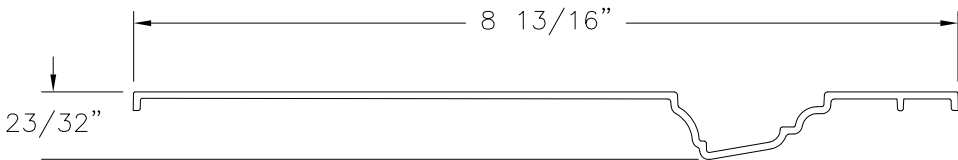
DEADBOLT KEEPER
STAINLESS STEEL



LATCH KEEPER
STAINLESS STEEL



4" X 4" DOOR HINGE
STEEL



SHEET MOLDING COMPOUND SKIN
FIBERGLASS

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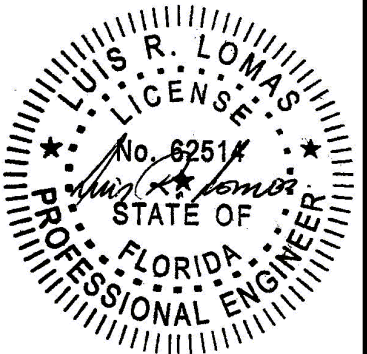
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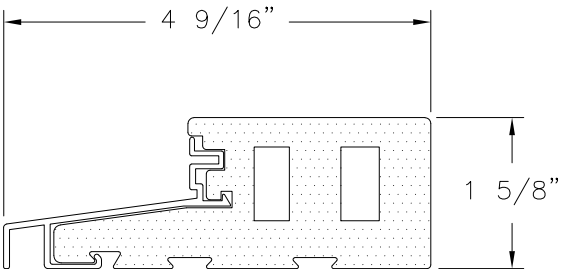
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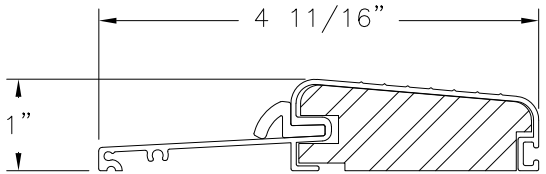
SIGNED: 10/16/2024



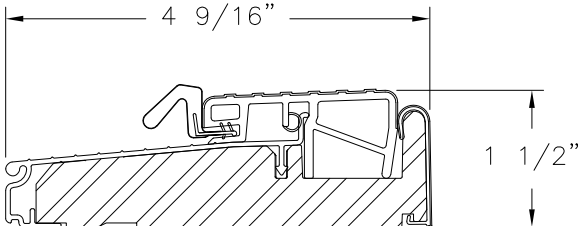
Luis R. Lomas P.E.
FL No.: 62514



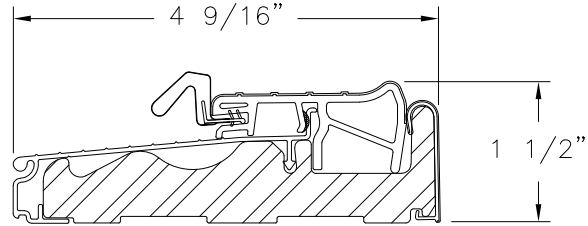
DOOR SILL
FOAM PVC CO-EX & ALUMINUM



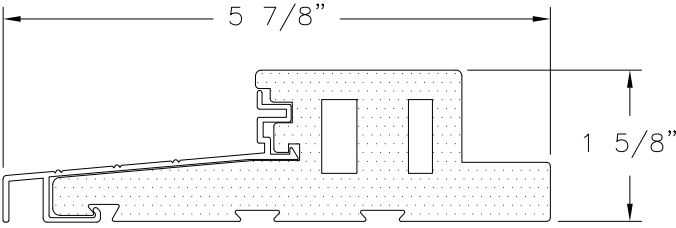
COLUMBIA THRESHOLD 575
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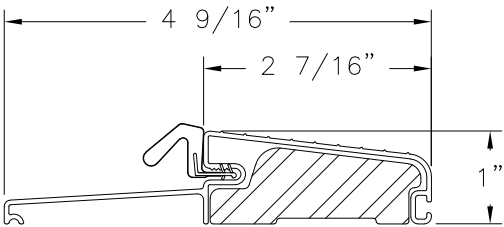
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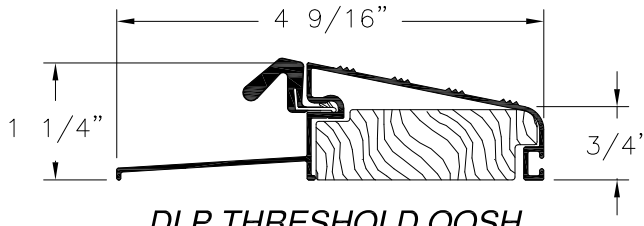
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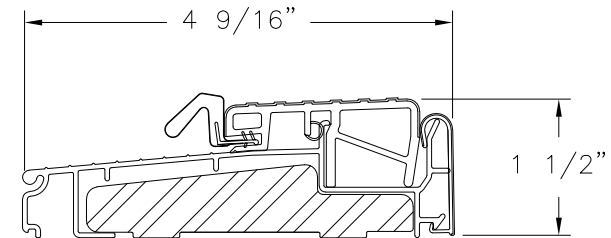
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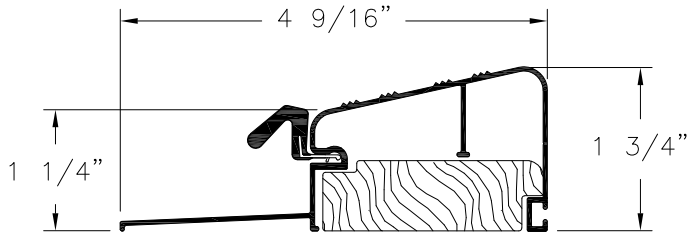
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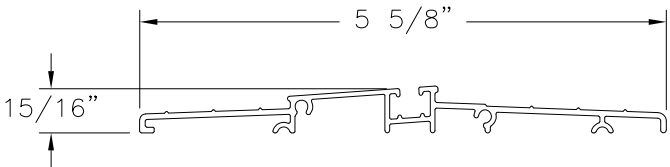
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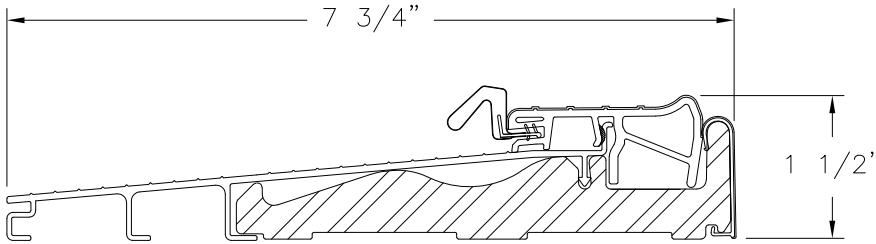
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ALTERNATE



DLP THRESHOLD QOSR
ALTERNATE



ENDURA ADA THRESHOLD ZHCO5622
ALTERNATE



ENDURA THRESHOLD ZOBLH7815
ALTERNATE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SLAB CONFIGURATIONS	10/03/2024	R.L.

SIGNED: 10/16/2024

NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST, SUITE 800
HOUSTON, TX 77029

SERIES ENTRY DOOR OUTSWING FIBERGLASS
SIDE HINGED DOOR, NON-IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03302

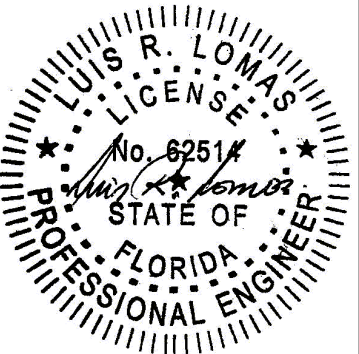
REV
E

SCALE
NTS

DATE
09/04/18

SHEET
9 OF 11

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

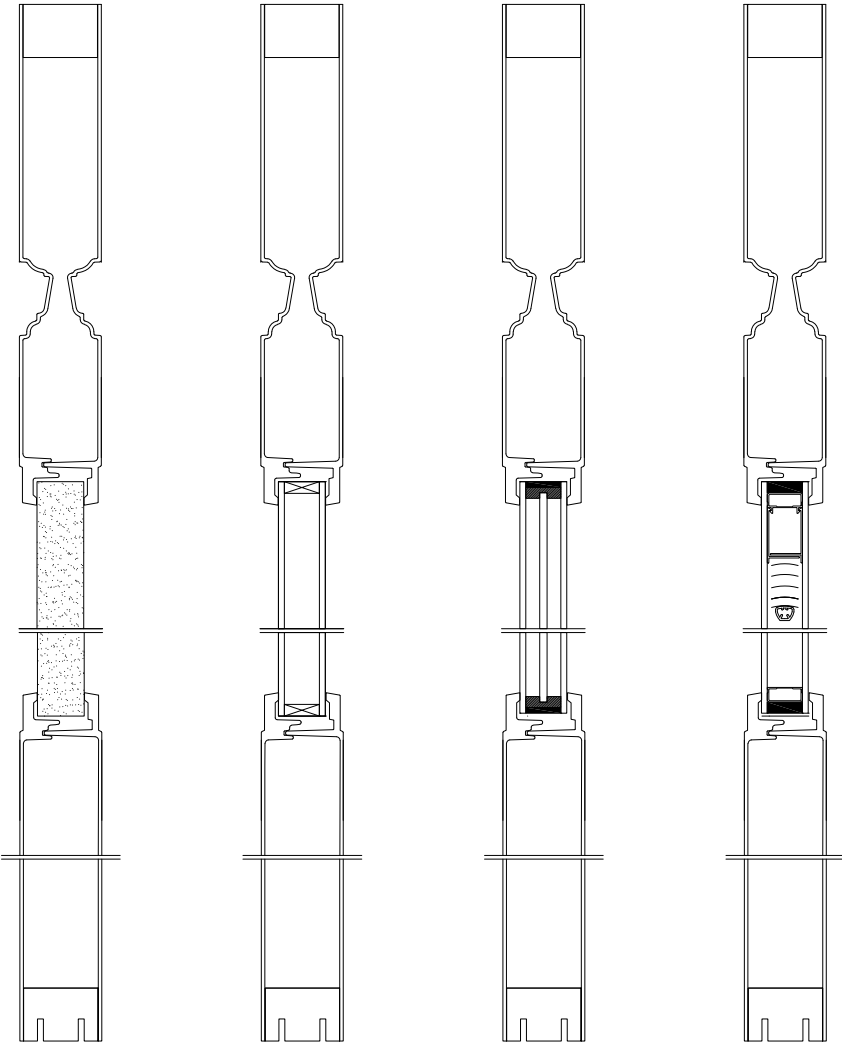


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SLAB CONFIGURATIONS	10/03/2024	R.L.

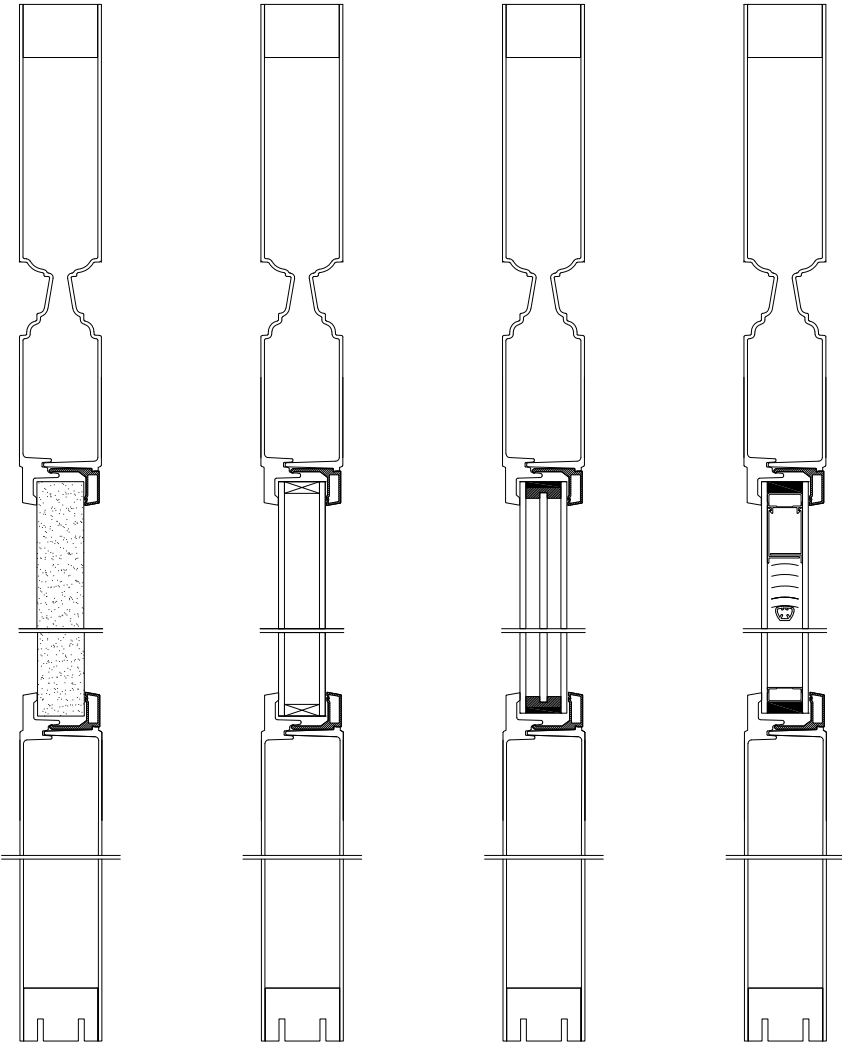
APPROVED PANEL CONFIGURATIONS

DIRECT GLAZING



W/PVC FOAM BOARD W/STD GLASS W/MATTE GLASS W/MINI-BLIND

OPEN GLAZING BEAD



W/PVC FOAM BOARD W/STD GLASS W/MATTE GLASS W/MINI-BLIND

SIGNED: 10/16/2024

NAN YA PLASTICS CORPORATION U.S.A.
8989 NORTH LOOP EAST, SUITE 800
HOUSTON, TX 77029

SERIES ENTRY DOOR OUTSWING FIBERGLASS
SIDE HINGED DOOR, NON-IMPACT
APPROVED PANEL CONFIGURATIONS

DRAWN:
A.R.

DWG NO.
08-03302

REV
E

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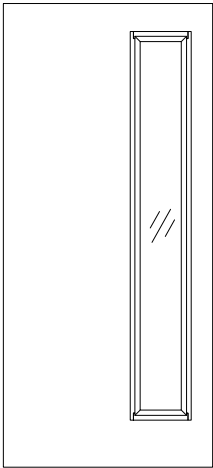
SHEET
10 OF 11

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434-688-0609 rllomas@lrlomaspe.com

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

APPROVED SLAB CONFIGURATIONS

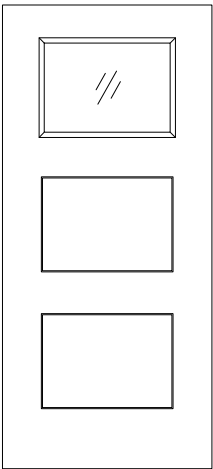
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SLAB CONFIGURATIONS	10/03/2024	R.L.



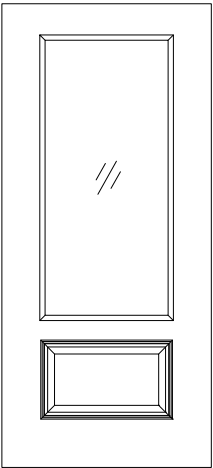
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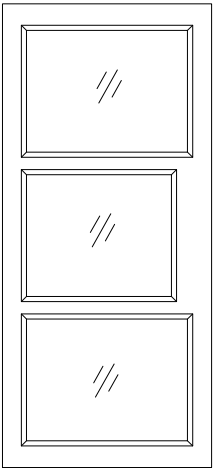
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FOAM PVC



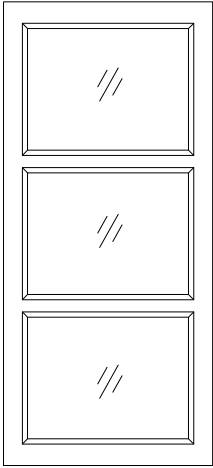
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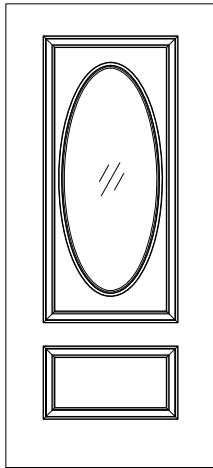
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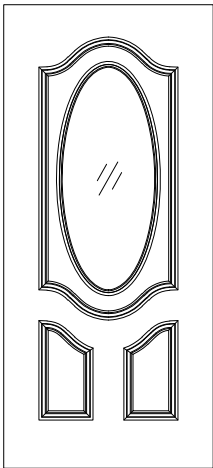
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FOAM PVC



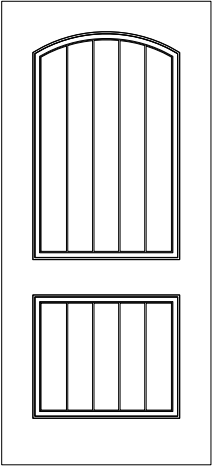
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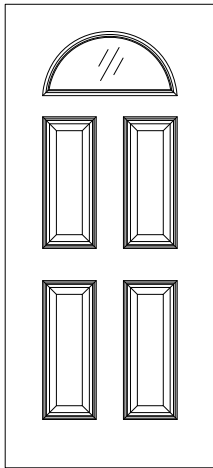
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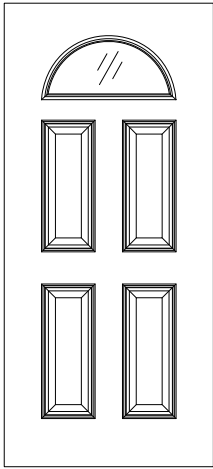
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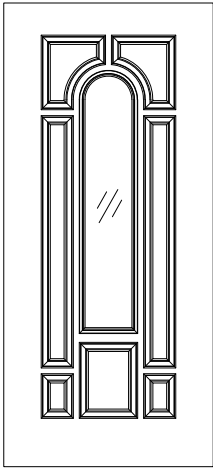
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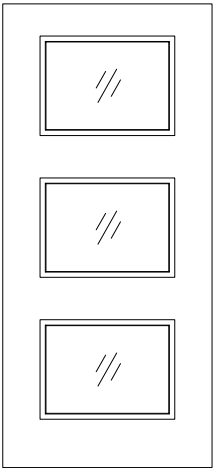
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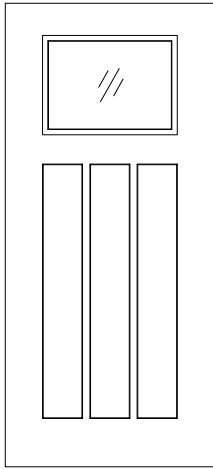
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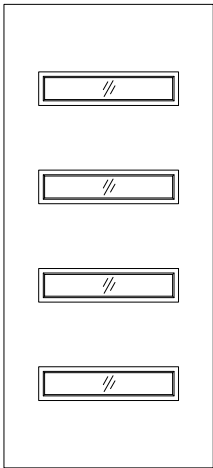
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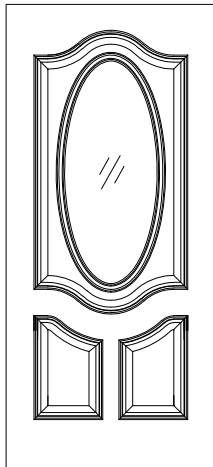
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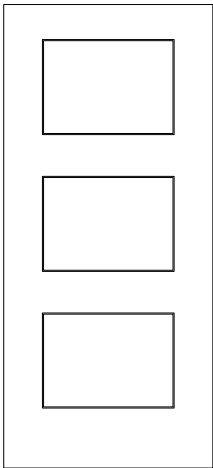
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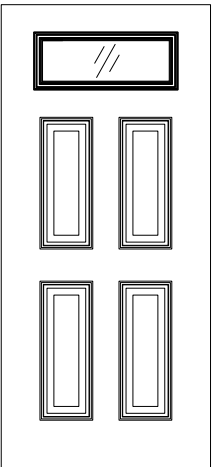
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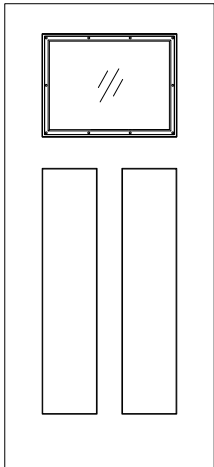
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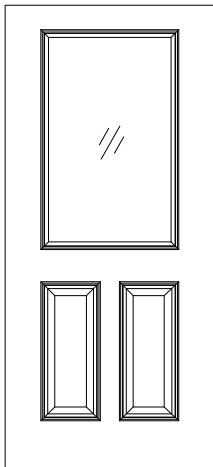
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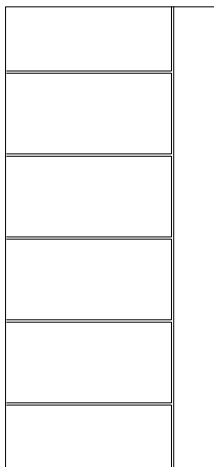
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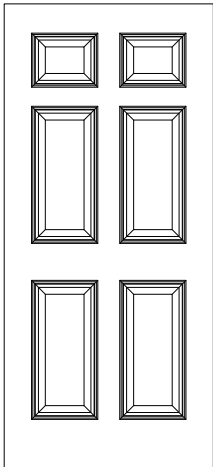
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23P
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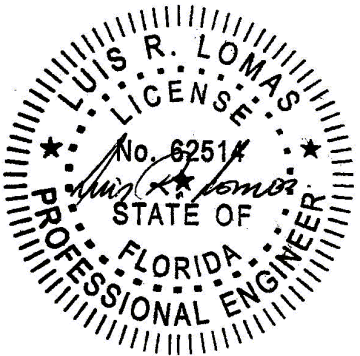
71P
SOLID



67P
SOLID

NAN YA PLASTICS CORPORATION U.S.A. 8989 NORTH LOOP EAST, SUITE 800 HOUSTON, TX 77029		
SERIES ENTRY DOOR OUTSWING FIBERGLASS SIDE HINGED DOOR, NON-IMPACT APPROVED SLAB CONFIGURATIONS		
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SCALE NTS	DATE 09/04/18	SHEET 11 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/16/2024



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FL No.: 62514