

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED CROSS SECTIONS & DETAILS	04/17/19	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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
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 UNIT FRAME 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 JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM 3/4" THICK.
12. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 1/32" THICK.
13. DOOR PANEL MATERIAL: PVC COMPOSITE FOAM WITH AN EXTRUDED PVC SKIN .031" THICK.
14. UNITS MUST BE GLAZED PER ASTM E1300-04/09, WITH SAFETY GLAZING.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

16. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. 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.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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 .054" THICK MINIMUM
21. APPROVED CONFIGURATIONS: XO, OX.
22. STEEL REINFORCEMENTS AT STILES ARE OPTIONAL.

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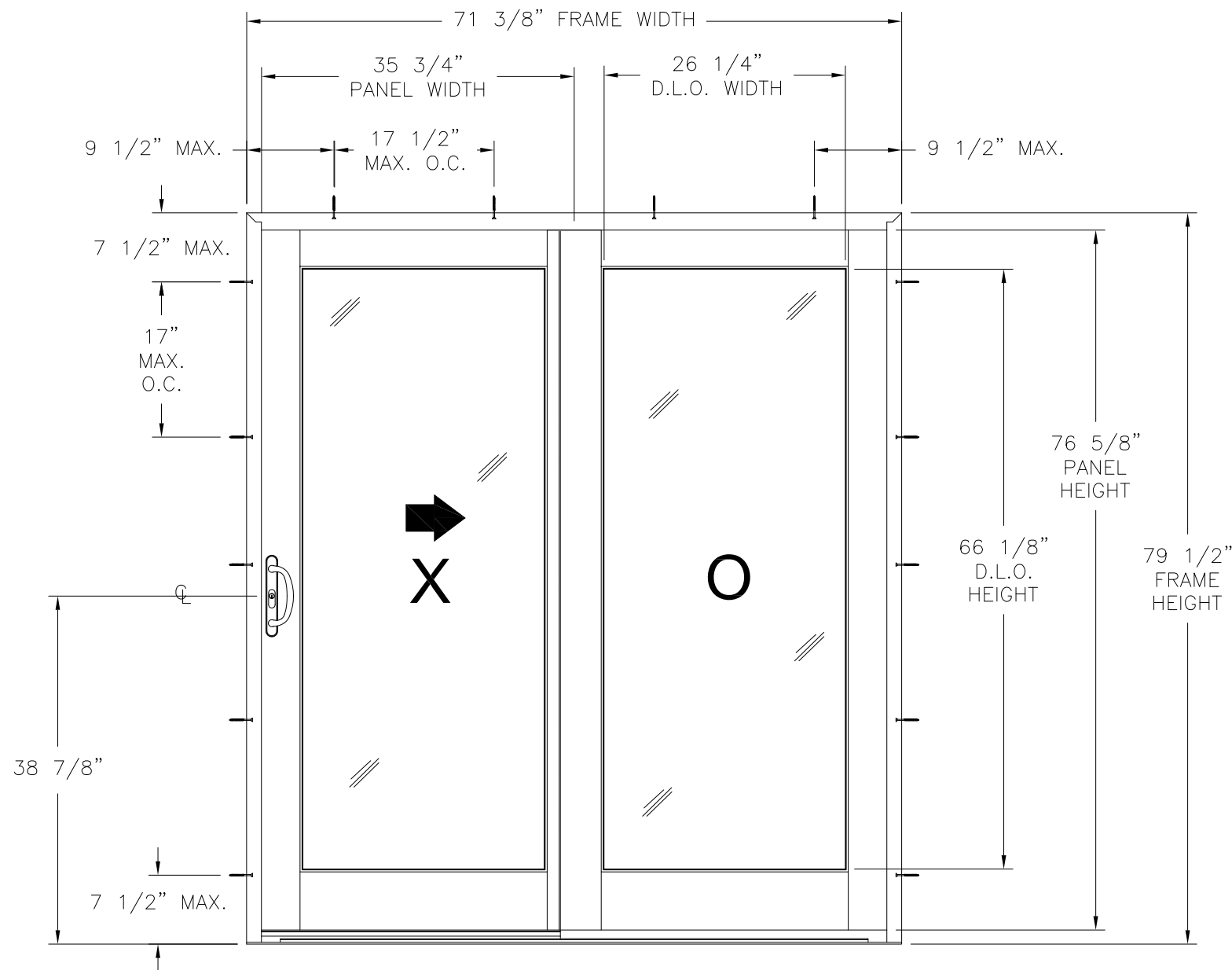
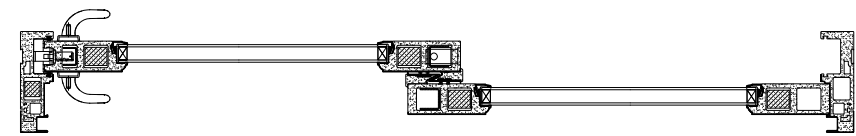
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NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
GLIDING TWO PANEL PATIO DOOR 71 3/8" X 79 1/2" NON-IMPACT NOTES		
DRAWN: TJH	DWG NO. 08-01099	REV D
SCALE NTS	DATE 08/19/10	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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

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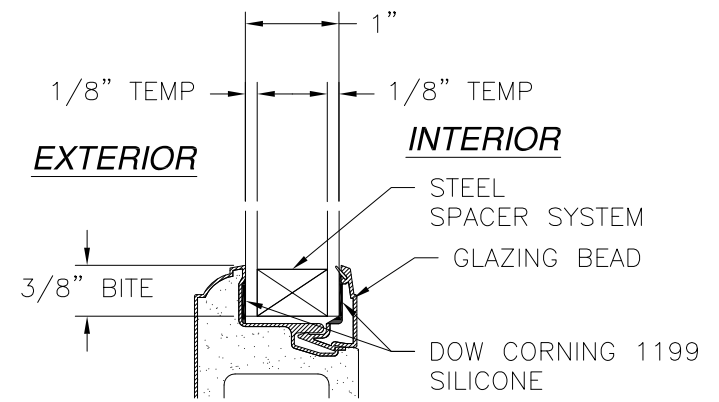
GLIDING TWO PANEL PATIO DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

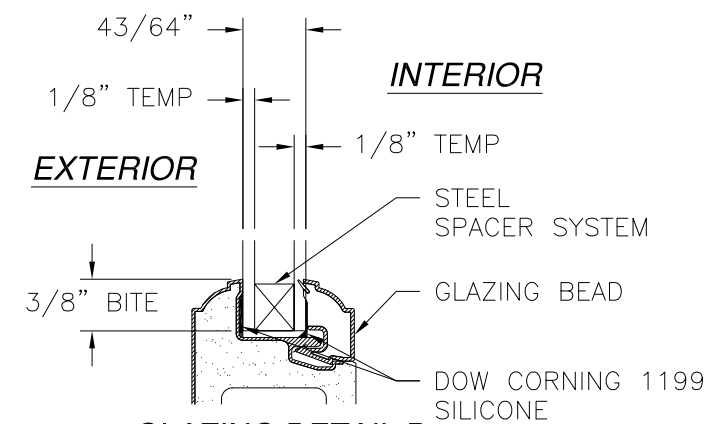
35 3/4" X 76 5/8" PANELS SHOWN. OTHER PANELS SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.02 FT²

HARDWARE SCHEDULE

A.	(2) ADJUSTABLE ROLLER AT ACTIVE PANEL
B.	(1) FLUSH BOLT WITH KEEPER AT TOP OF ACTIVE PANEL
C.	(1) SINGLE LOCKING SYSTEM WITH KEEPER AT ACTIVE PANEL
D.	(1) GLIDING HANDLE SET AT ACTIVE PANEL
E.	STEEL REINFORCEMENT AT ACTIVE PANEL STILES AND PASIVE PANEL INTERLOCK STILE (OPTIONAL)



GLAZING DETAIL A



GLAZING DETAIL B

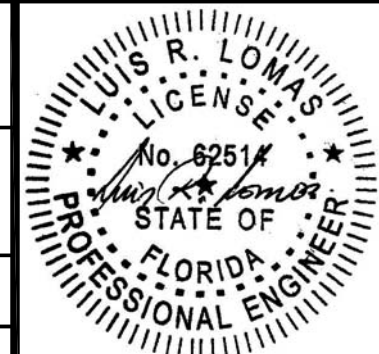
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8989 NORTH LOOP EAST
HOUSTON, TX 77029

GLIDING TWO PANEL PATIO DOOR
71 3/8" X 79 1/2" NON-IMPACT
ELEVATION

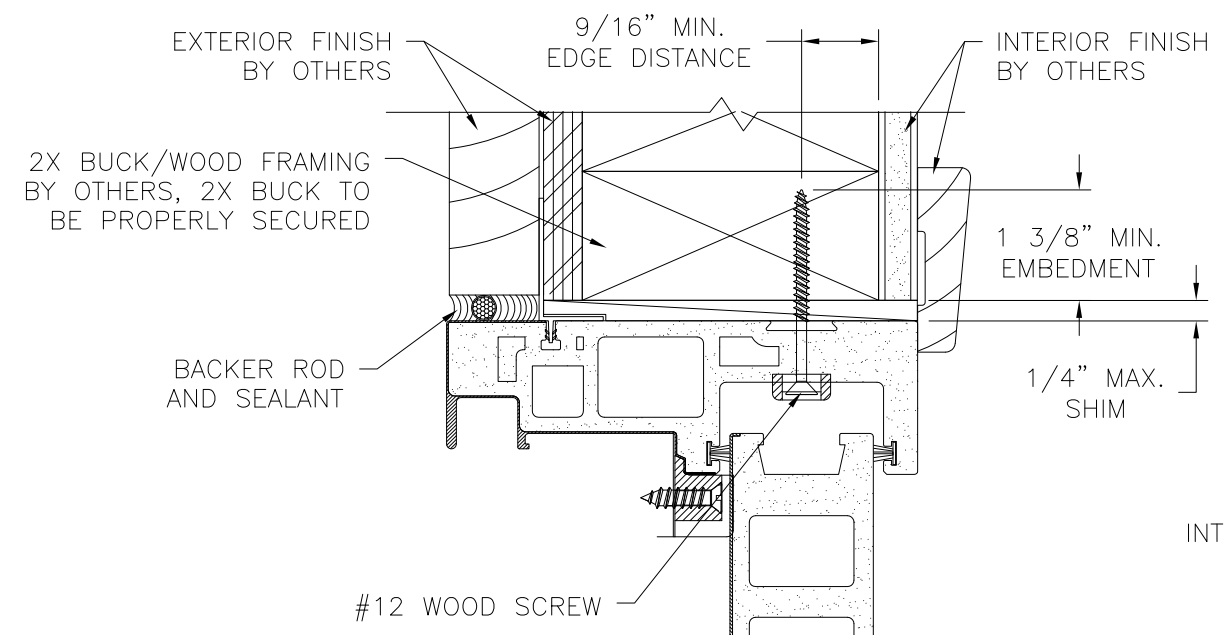
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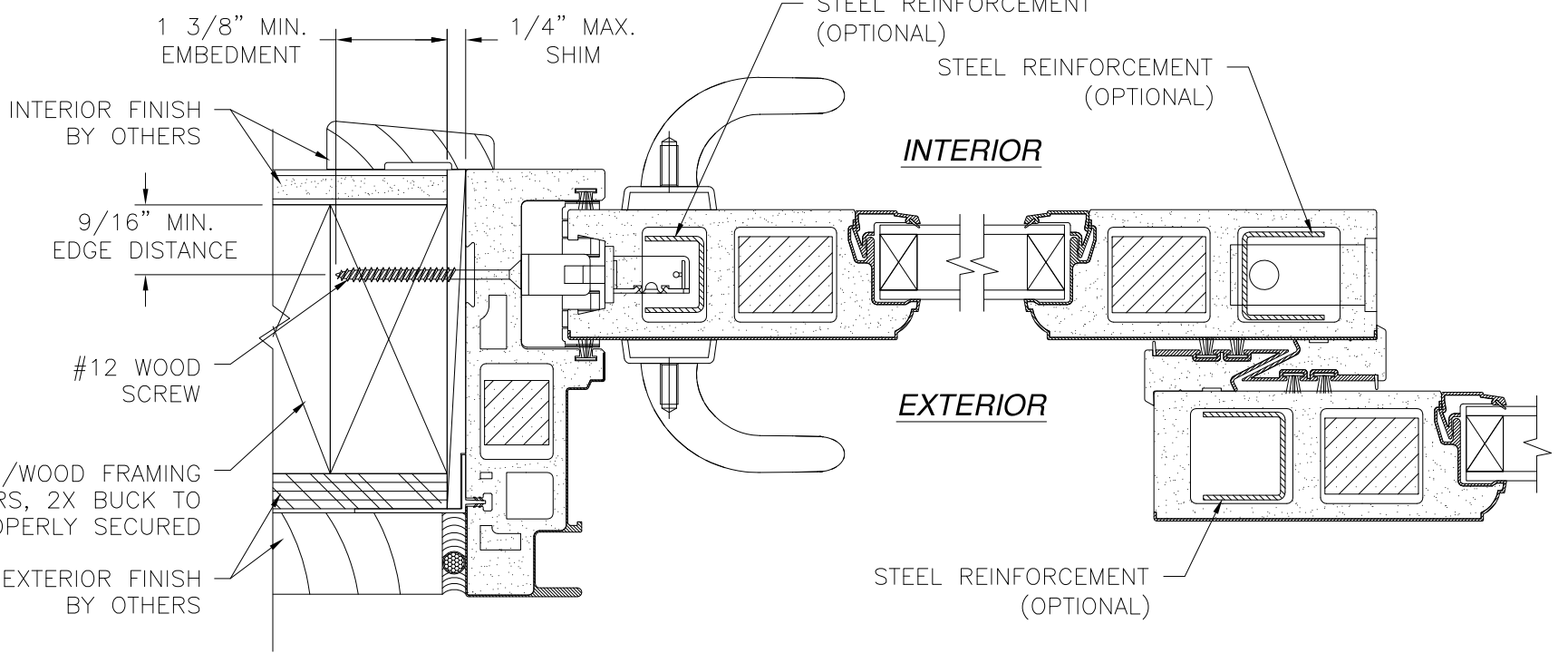


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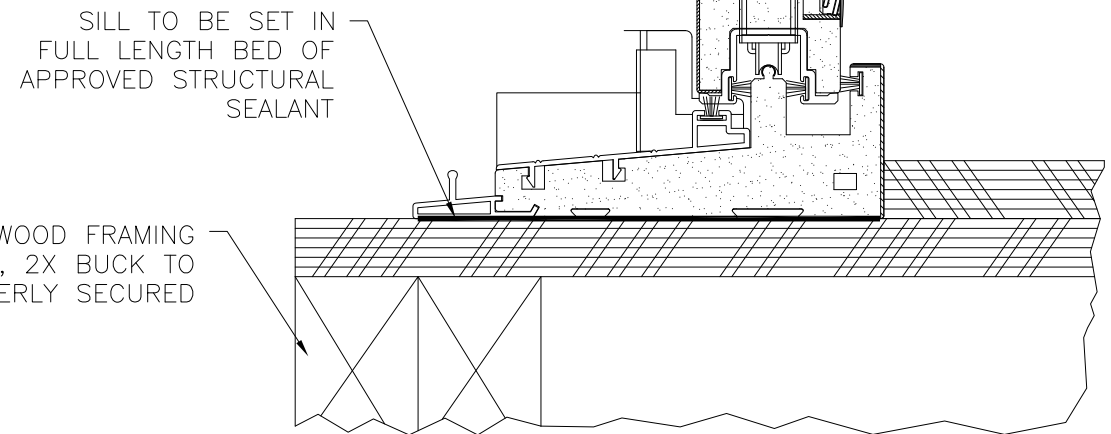
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EXTERIOR **INTERIOR**



HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING



VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING

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HOUSTON, TX 77029

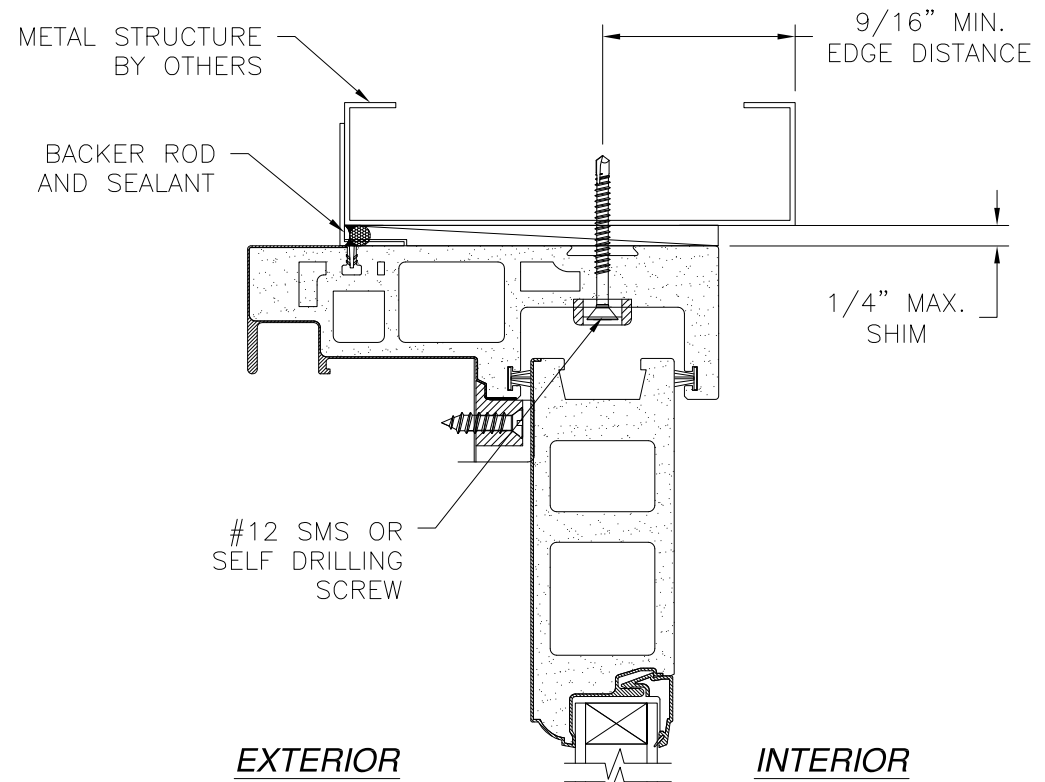
GLIDING TWO PANEL PATIO DOOR
71 3/8" X 79 1/2" NON-IMPACT
INSTALLATION DETAILS

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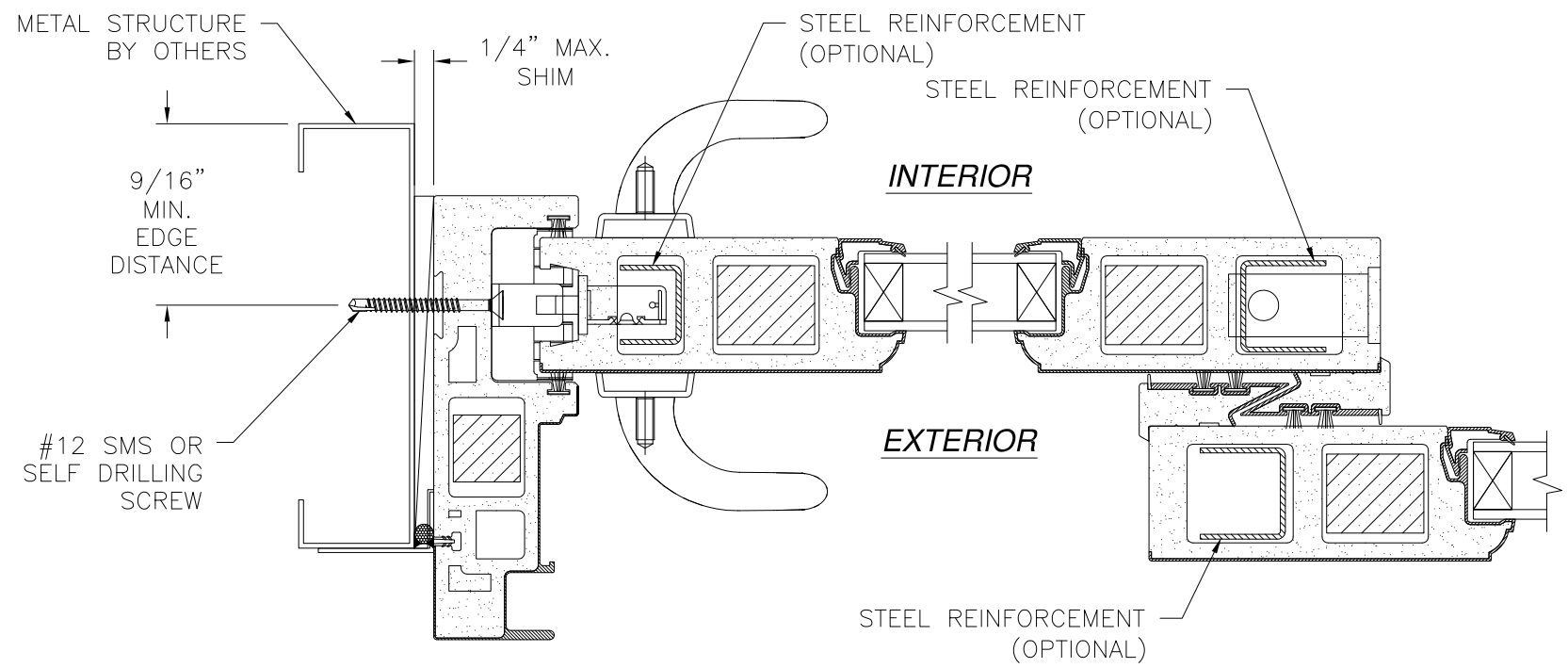
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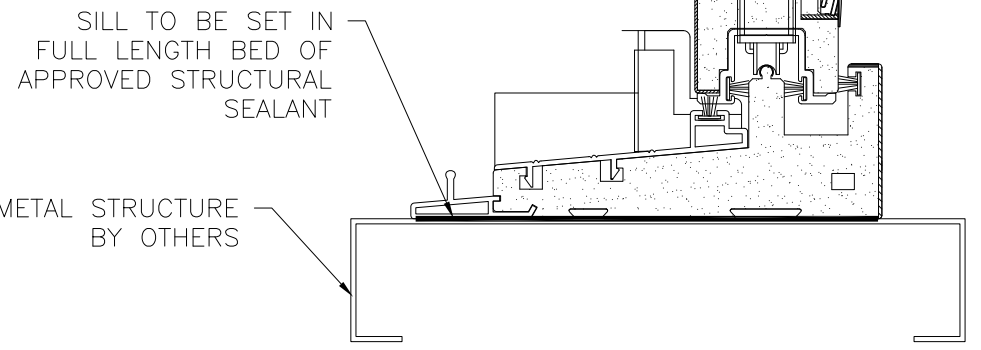


EXTERIOR

INTERIOR



HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

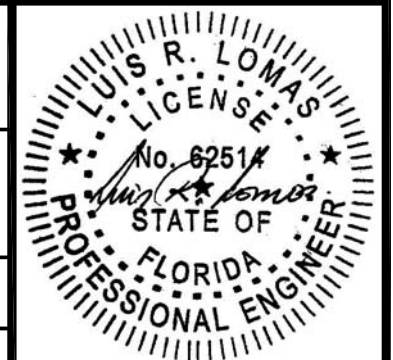
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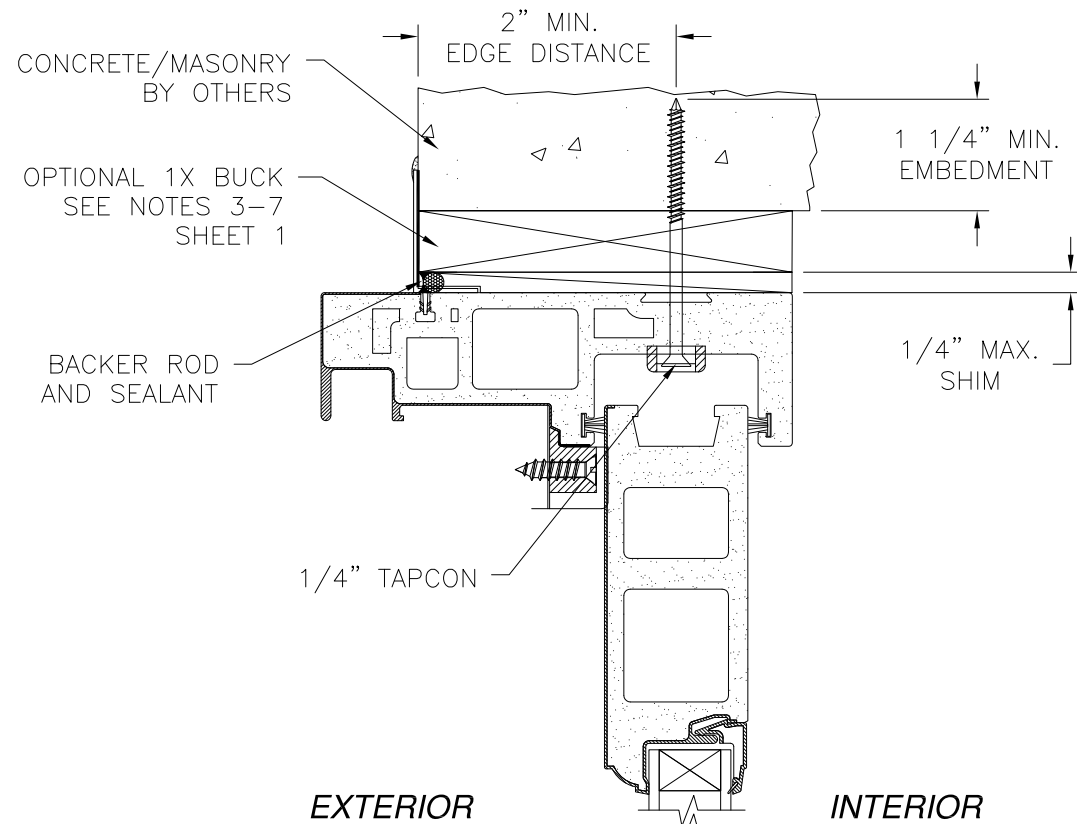
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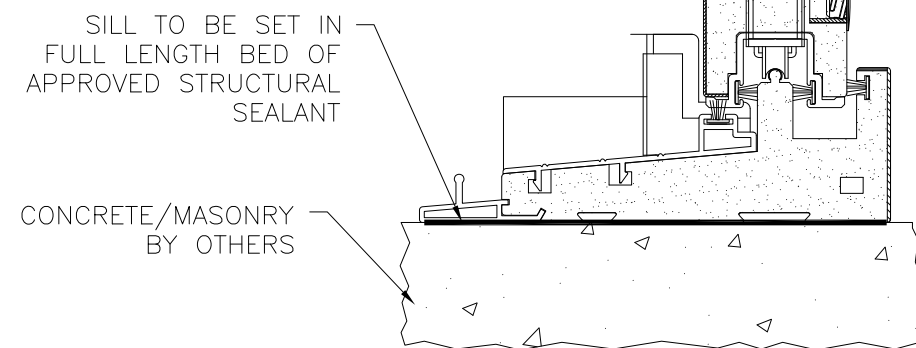


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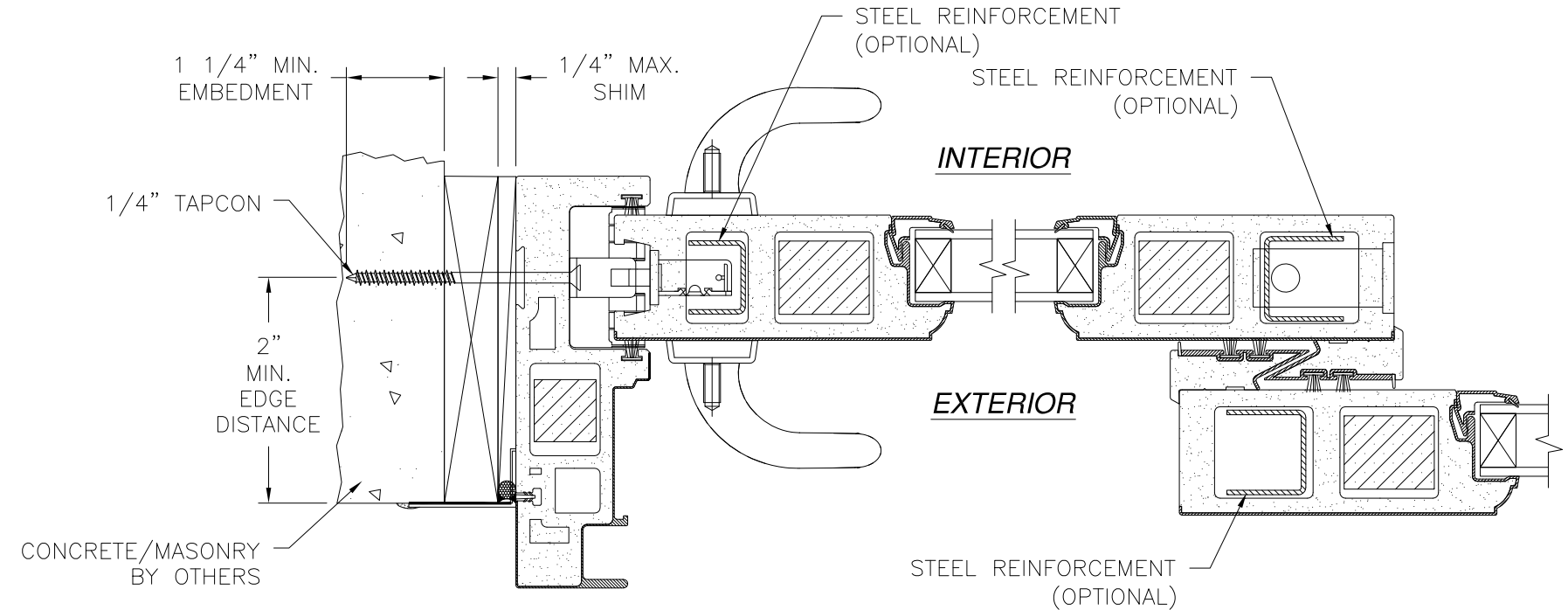
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EXTERIOR **INTERIOR**



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



HORIZONTAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

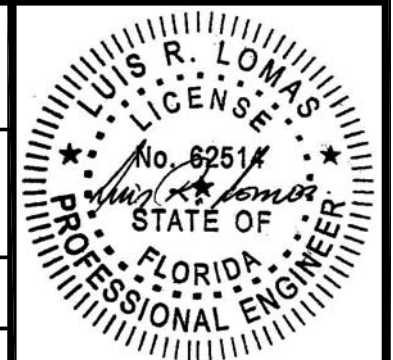
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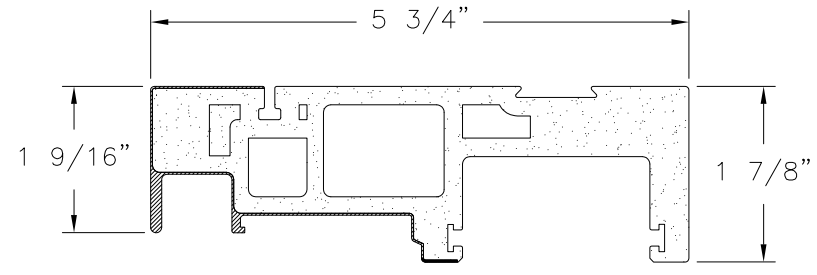
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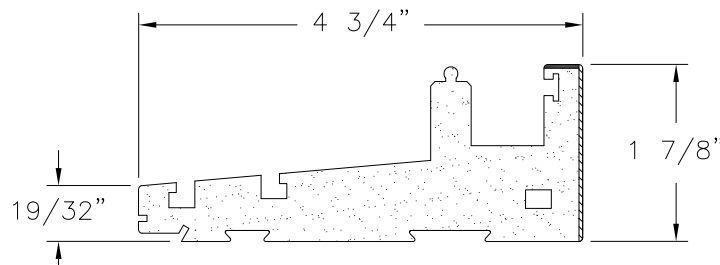


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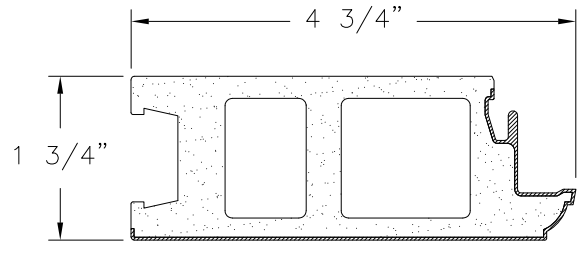
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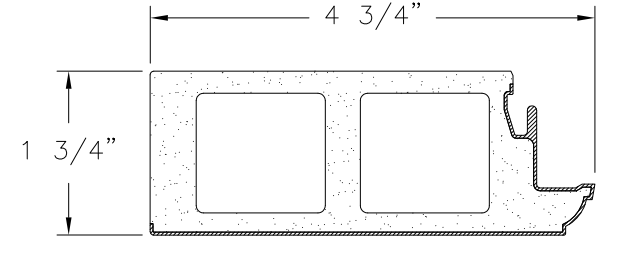
5 3/4" FRAME HEAD AND JAMB
CO-EXTRUDED PVC FOAM .75" THICK



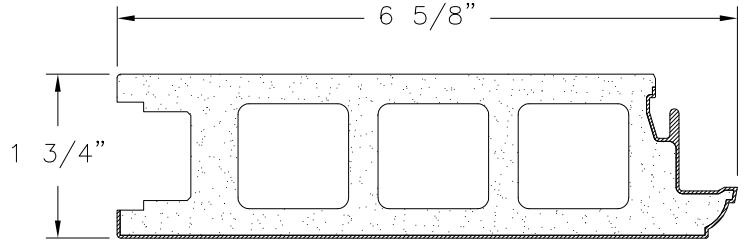
4 3/4" GLIDING SILL
CO-EXTRUDED PVC FOAM
1.032" THICK



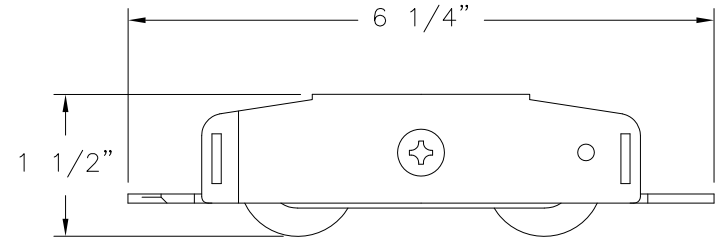
4 3/4" LOCK STILE AND TOP RAIL
PVC COMPOSITE FOAM WITH
.031" THICK EXTRUDED PVC SKIN



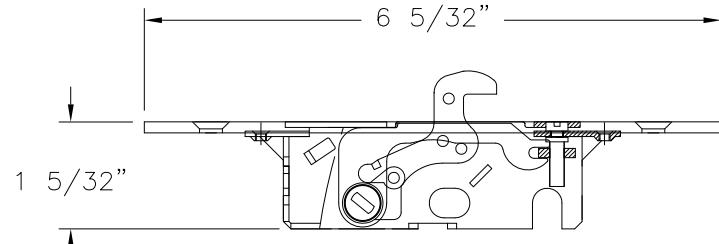
4 3/4" STILE
PVC COMPOSITE FOAM WITH
.031" THICK EXTRUDED PVC SKIN



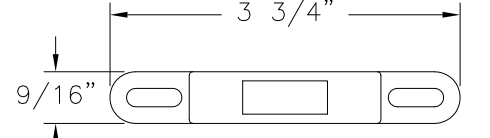
6 5/8" BOTTOM RAIL
PVC COMPOSITE FOAM WITH
.031" THICK EXTRUDED PVC SKIN



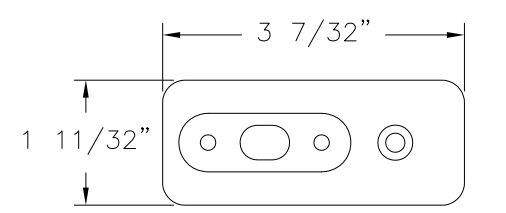
ADJUSTABLE ROLLER
STAINLESS STEEL



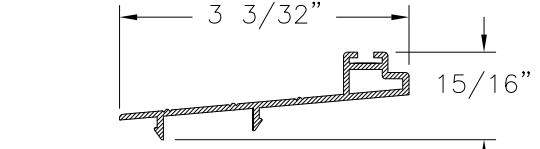
SINGLE LOCKING SYSTEM
STAINLESS STEEL, DIE, STEEL



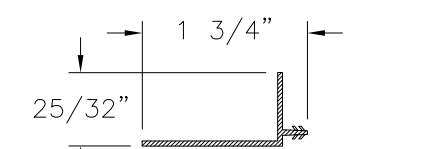
LOCK KEEPER
STAINLESS STEEL



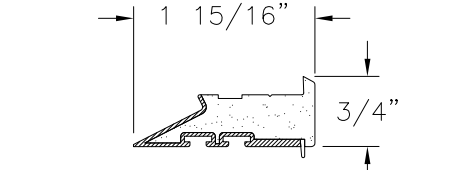
BOLT STILE END-COVER
RIGID PVC



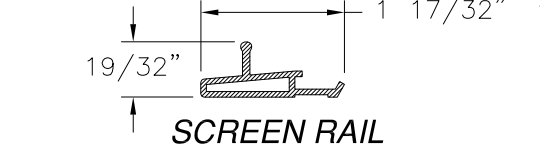
THRESHOLD
EXTRUDED ALUMINUM 6063-T6 .059" THICK



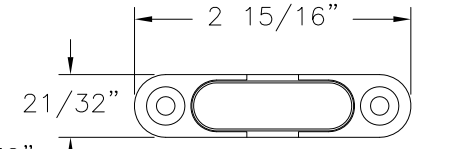
FRAME FIN
EXTRUDED RIGID PVC .051" THICK



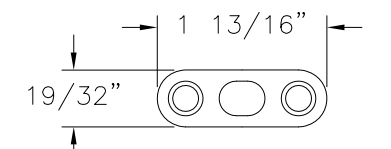
MEETING STILE INTERLOCK
CO-EXTRUDED PVC FOAM .75" THICK



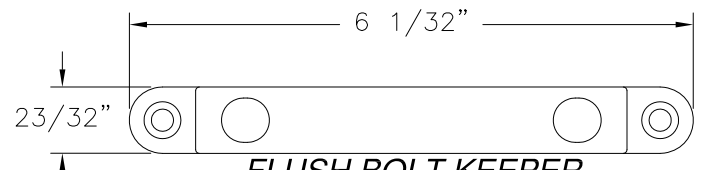
SCREEN RAIL
EXTRUDED ALUMINUM 6063-T6 .059" THICK



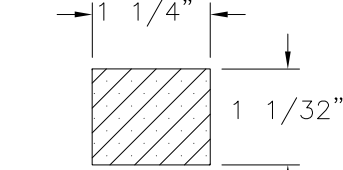
ANTI-LIFT STOPPER
DIE CASTING



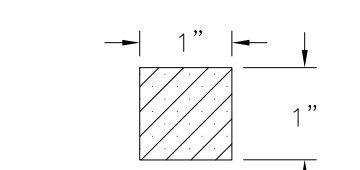
FLUSH BOLT TOP GUIDE
STAINLESS STEEL



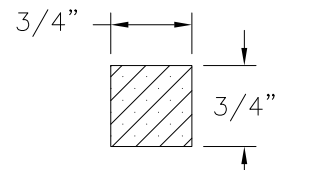
FLUSH BOLT KEEPER
STAINLESS STEEL



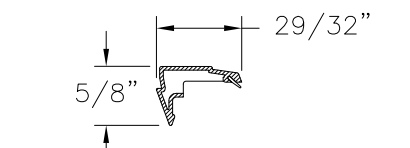
PANEL STILE REINFORCEMENT
PINE



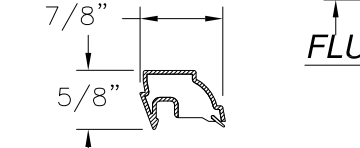
PANEL BOTTOM RAIL REINFORCEMENT
PINE



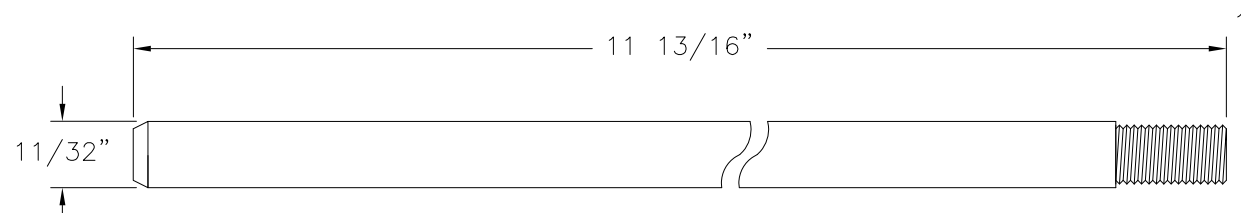
JAMB REINFORCEMENT
PINE



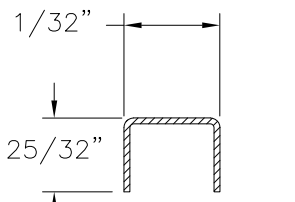
1" GLAZING BEAD
EXTRUDED RIGID PVC .039" THICK



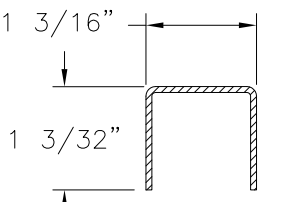
43/64" GLAZING BEAD
EXTRUDED RIGID PVC



FLUSH BOLT BAR
STAINLESS STEEL



LOCK STILE REINFORCEMENT
STEEL



STILE REINFORCEMENT
STEEL

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

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