

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED CROSS SECTIONS & DETAILS	04/17/19	R.L.

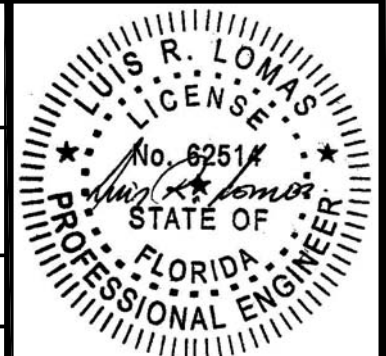
NOTES:

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 #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.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. 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.
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 ARE OPTIONAL.

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6	COMPONENTS

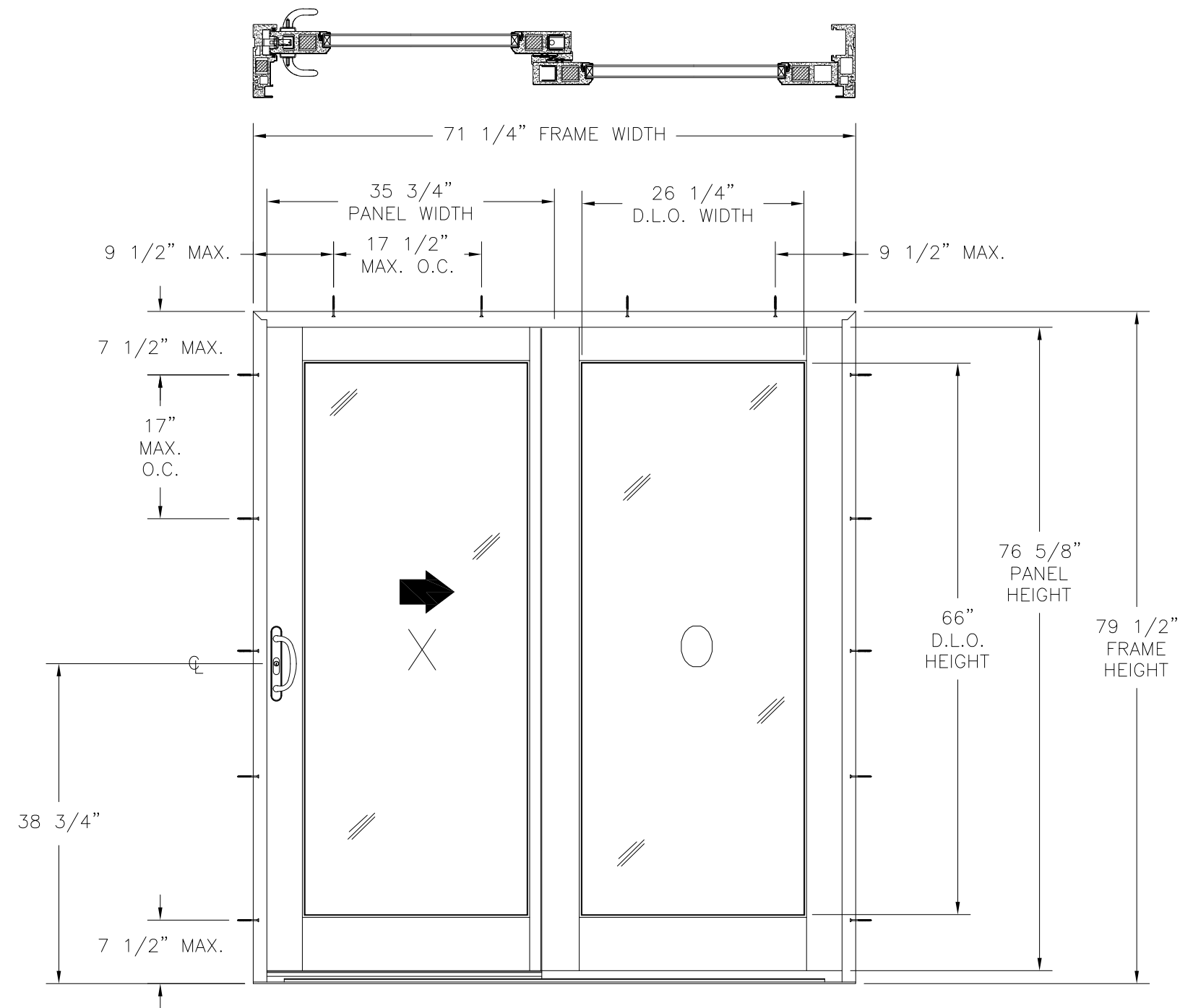
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
MASTERPIECE SERIES GLIDING PATIO DOOR NAN YA 6068 DP45 NOTES		
DRAWN: V.L.	DWG NO. 08-02239	REV B
SCALE NTS	DATE 10/24/13	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 10/15/2019



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

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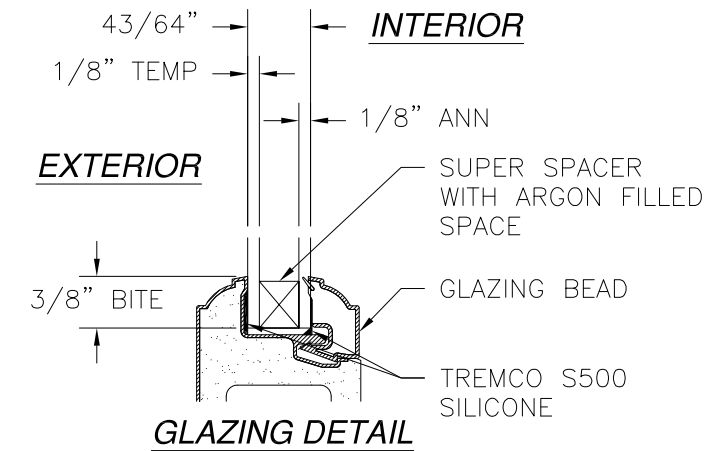
**NAN YA 6068 DP45 SLIDING GLASS DOOR**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±45PSF	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 FT<sup>2</sup>

**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)



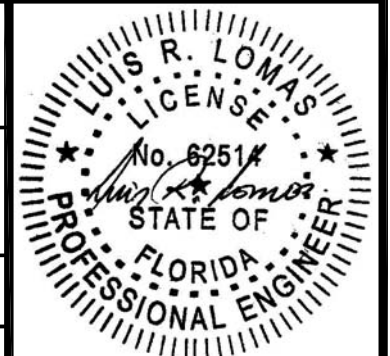
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MASTERPIECE SERIES GLIDING PATIO DOOR  
NAN YA 6068 DP45  
ELEVATION

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SCALE NTS	DATE 10/24/13	SHEET 2 OF 6

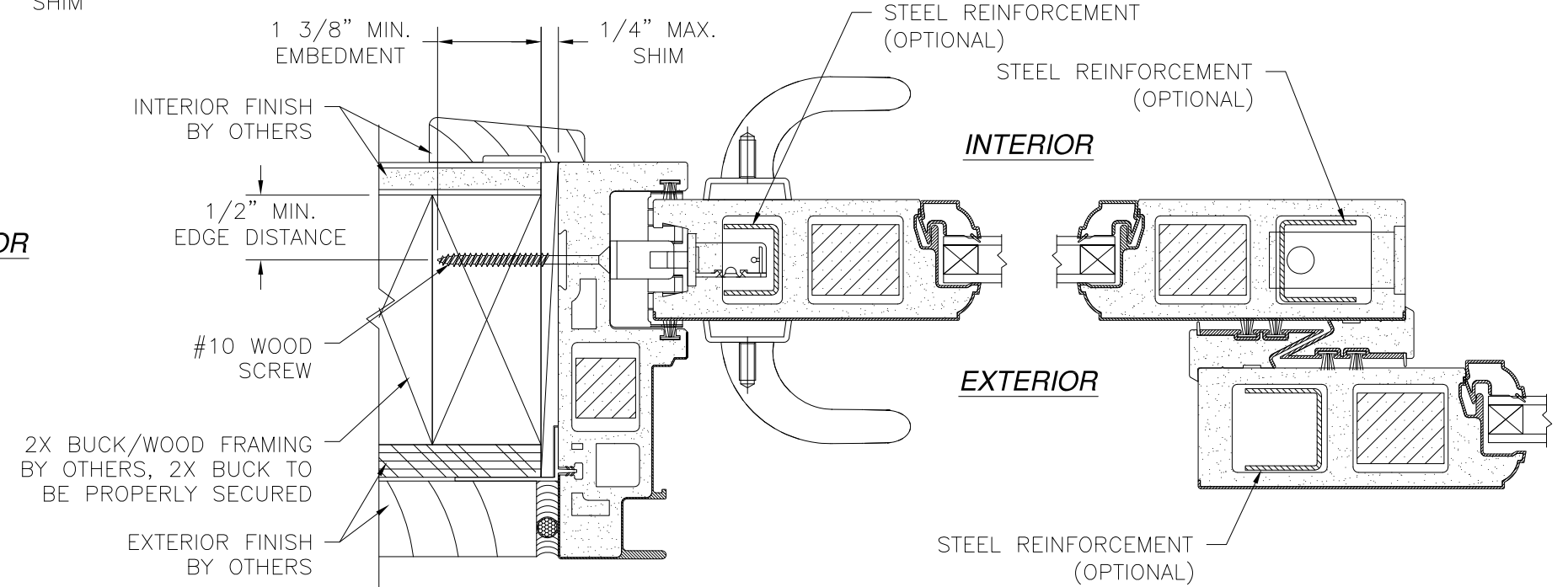
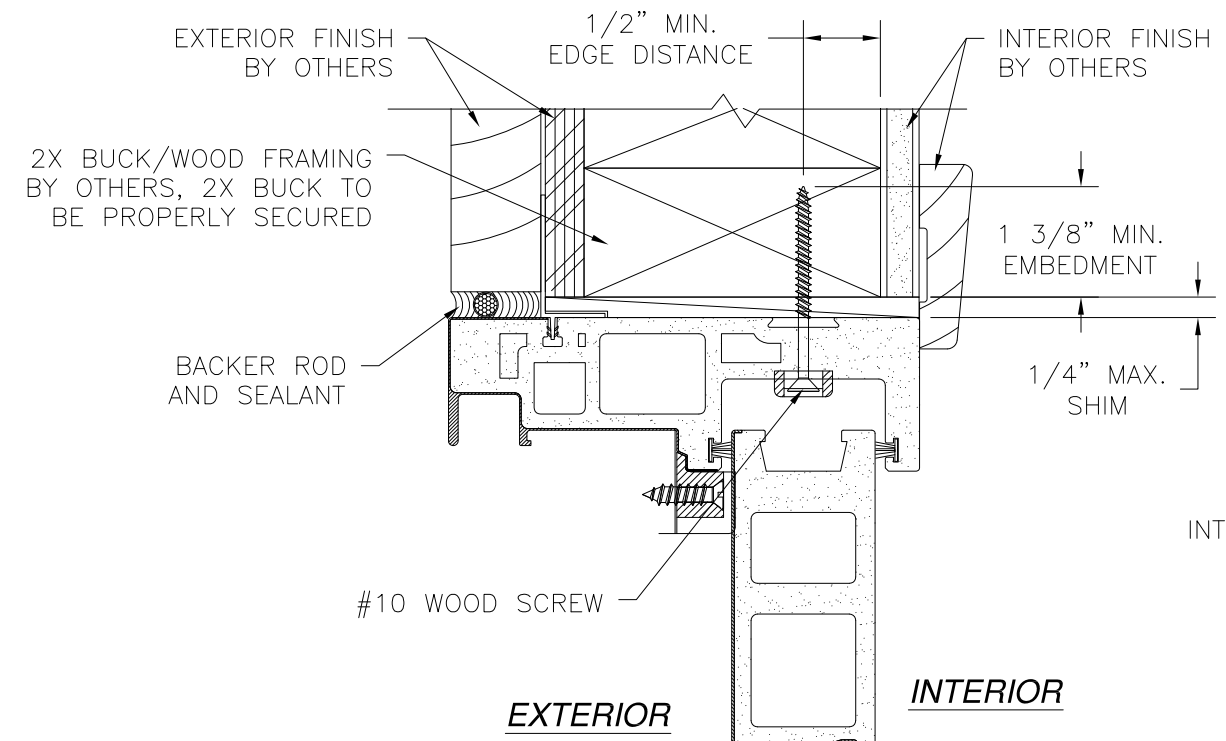
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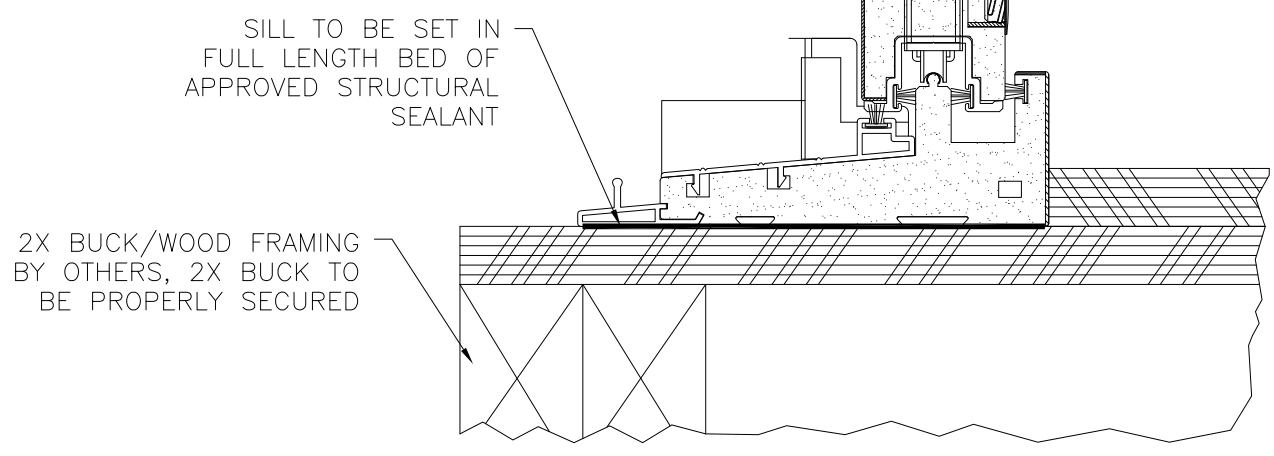


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**HORIZONTAL CROSS SECTION**  
2X BUCK/WOOD FRAMING



**VERTICAL CROSS SECTION**  
2X BUCK/WOOD FRAMING

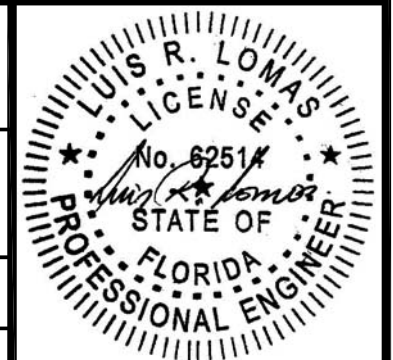
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NAN YA 6068 DP45  
INSTALLATION DETAILS

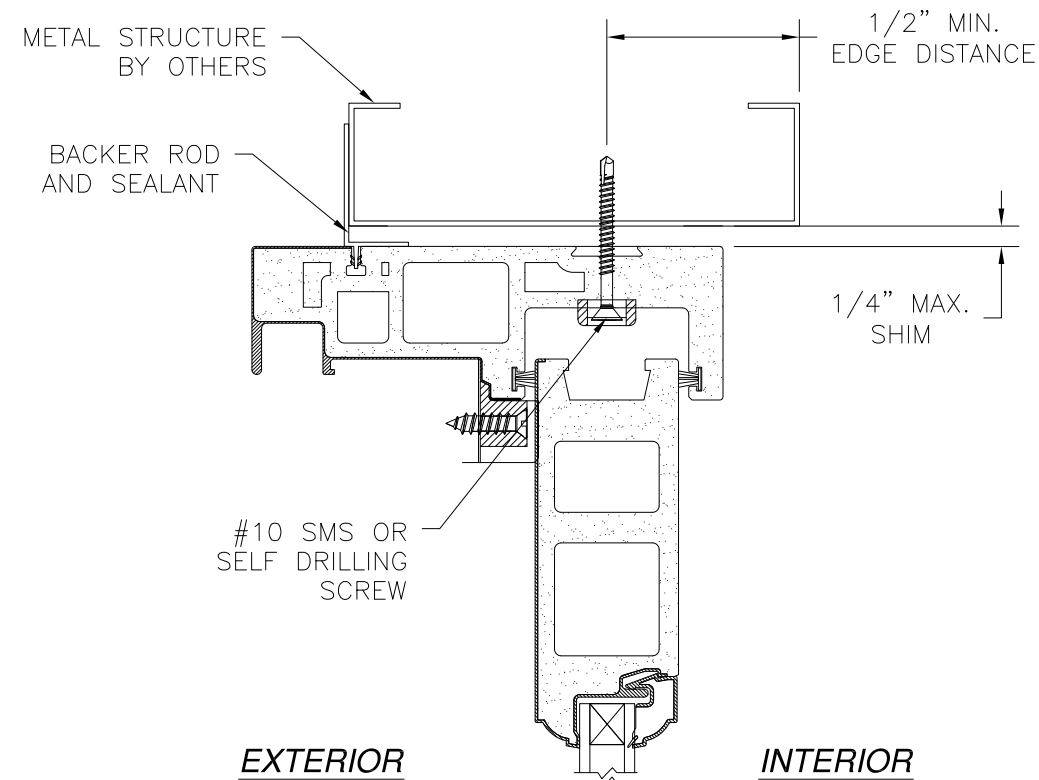
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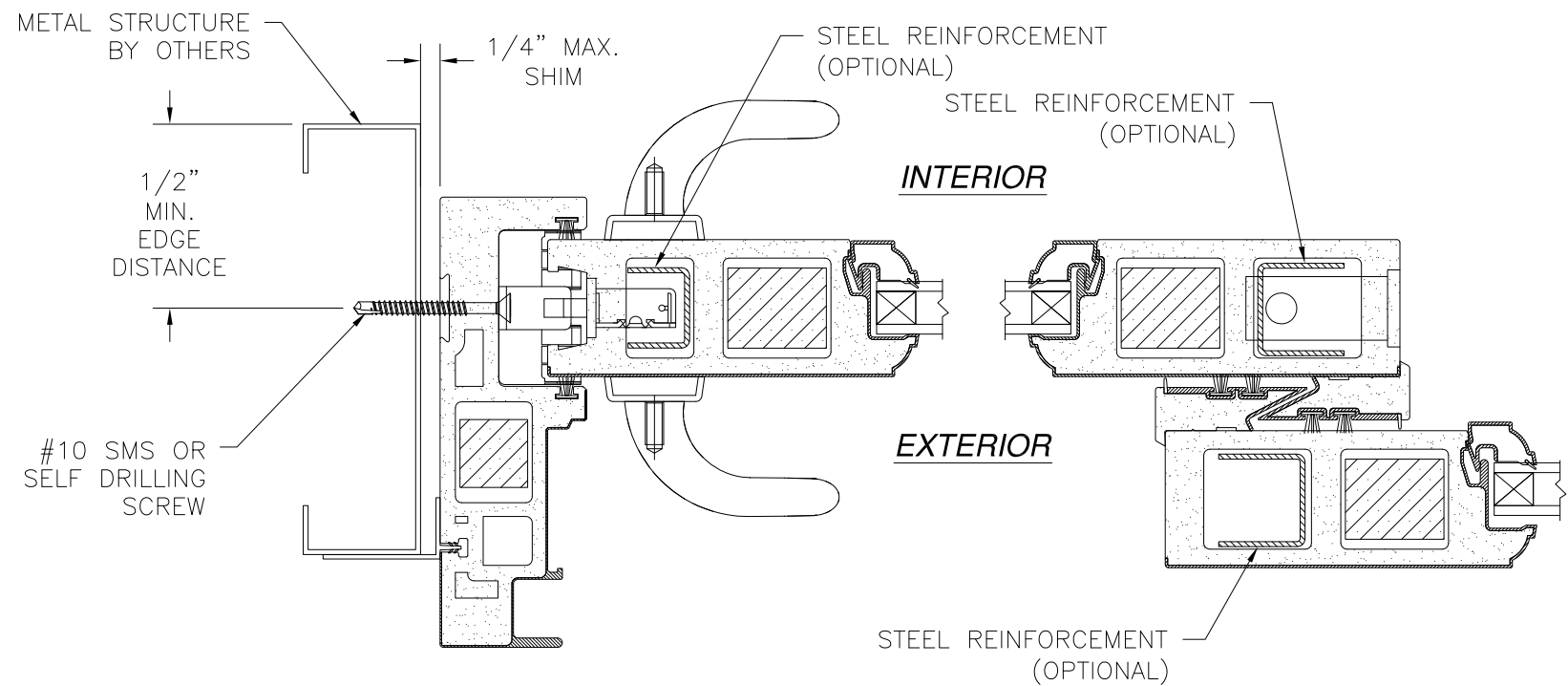
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**EXTERIOR**

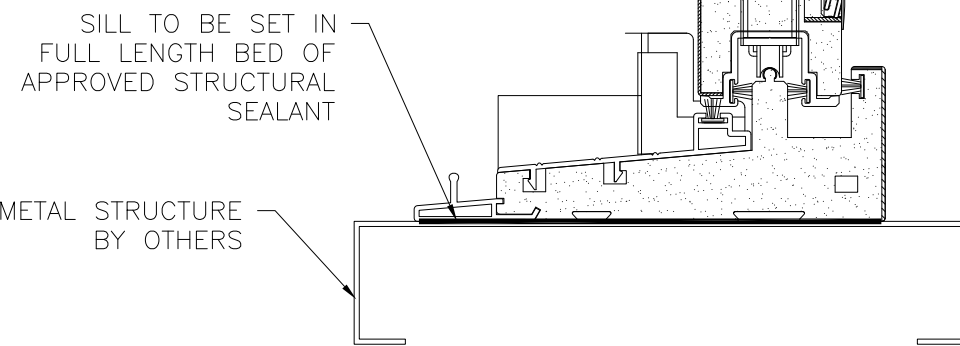
**INTERIOR**



**INTERIOR**

**EXTERIOR**

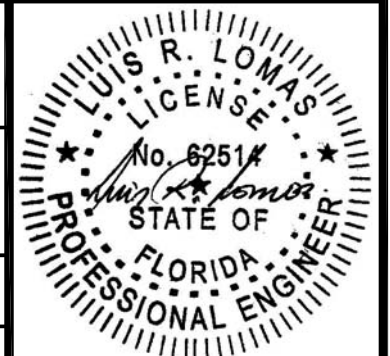
**HORIZONTAL CROSS SECTION  
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION**

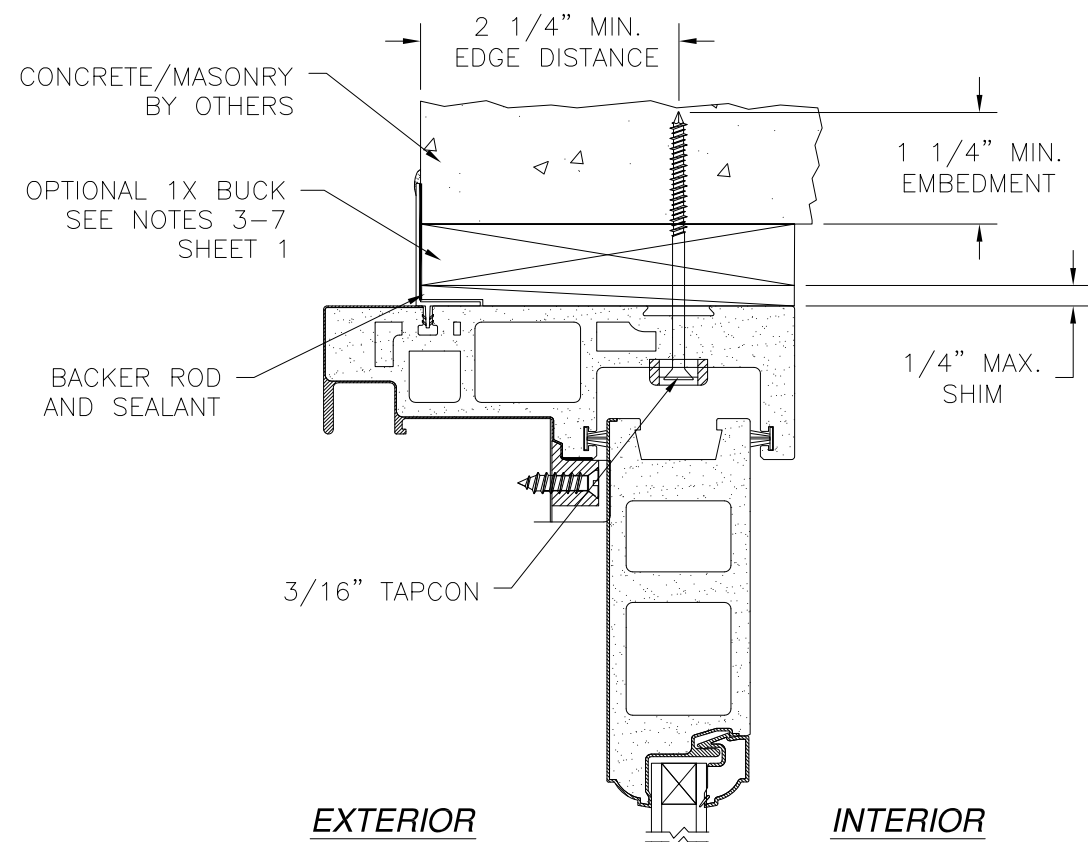
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<p>NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029</p>		
<p>MASTERPIECE SERIES GLIDING PATIO DOOR NAN YA 6068 DP45 INSTALLATION DETAILS</p>		
DRAWN: V.L.	DWG NO. 08-02239	REV B
SCALE NTS	DATE 10/24/13	SHEET 4 OF 6
<p>L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com</p>		



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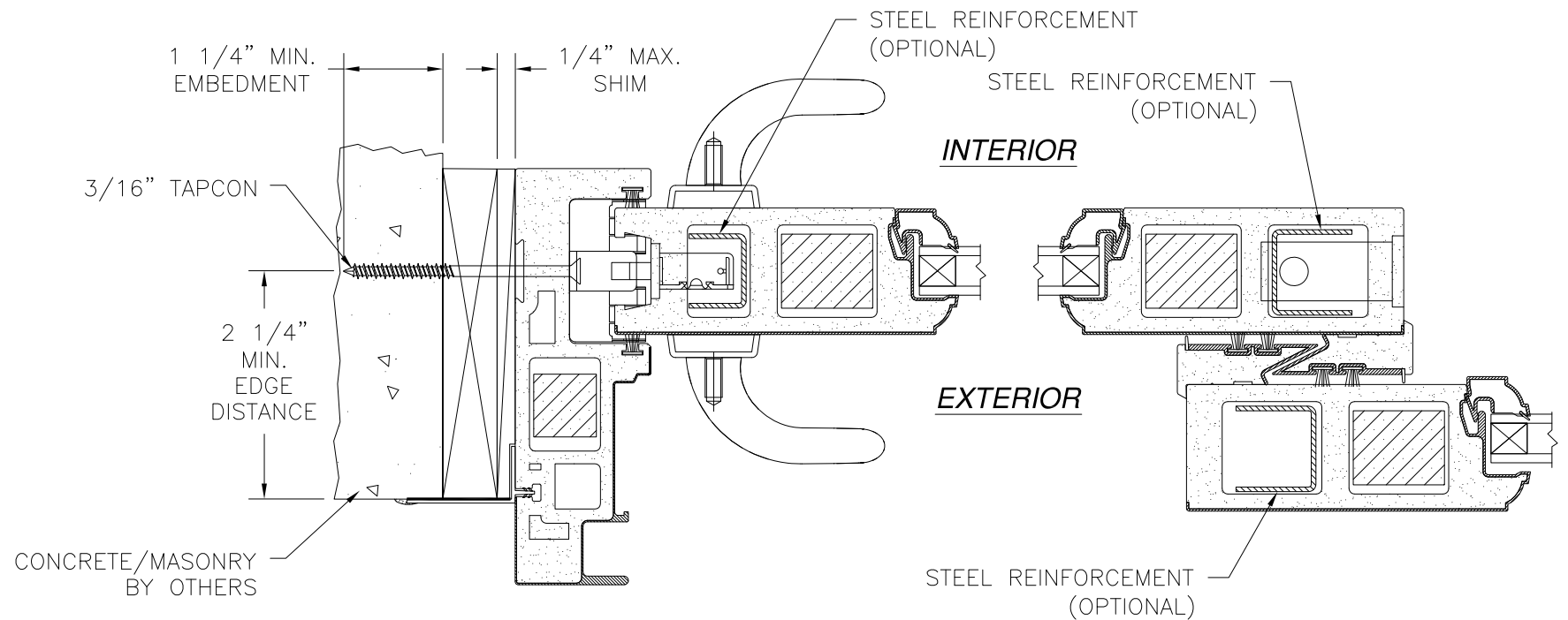
EXTERIOR

INTERIOR

SILL TO BE SET IN FULL LENGTH BED OF APPROVED STRUCTURAL SEALANT

CONCRETE/MASONRY BY OTHERS

**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



INTERIOR

EXTERIOR

**HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

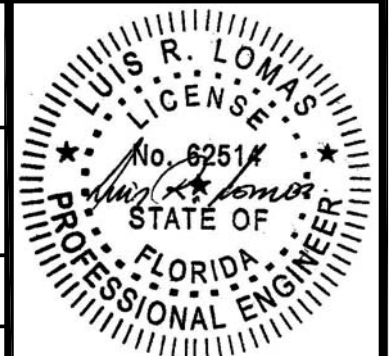
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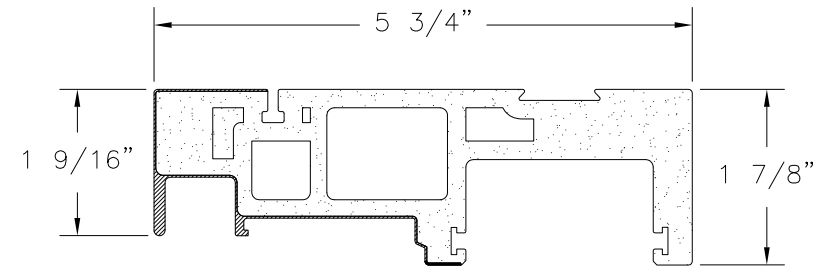
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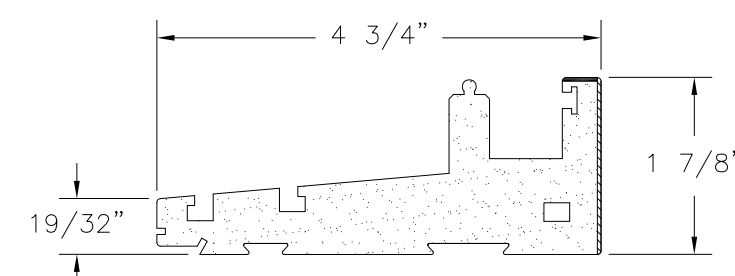


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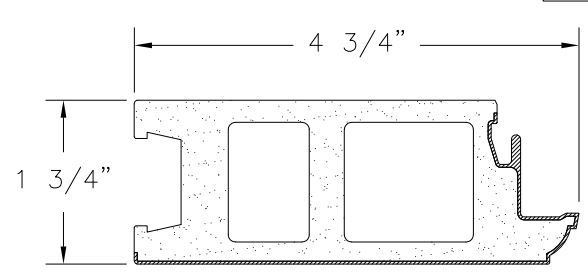
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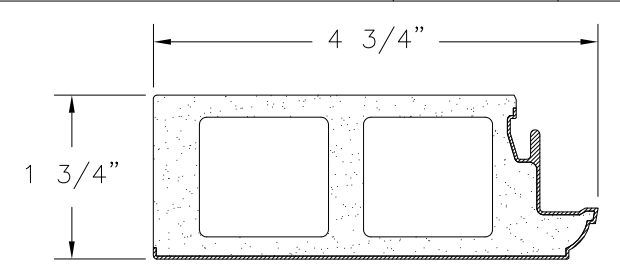
**5 3/4" FRAME HEAD AND JAMB**  
CO-EXTRUDED PVC FOAM .75" THICK



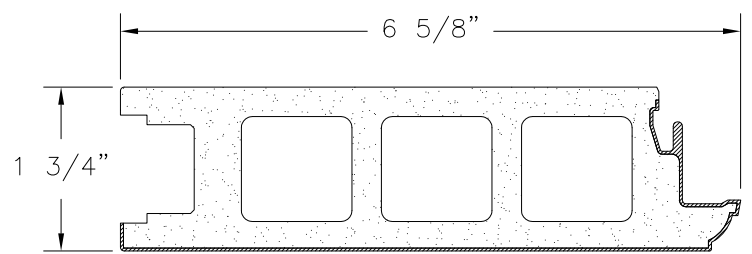
**4 3/4" GLIDING SILL**  
CO-EXTRUDED PVC FOAM  
1.032" THICK



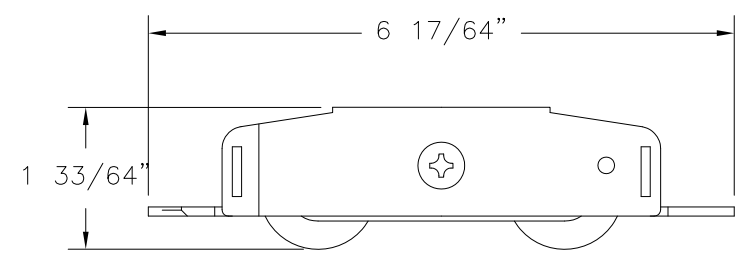
**4 3/4" LOCK STILE AND TOP RAIL**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



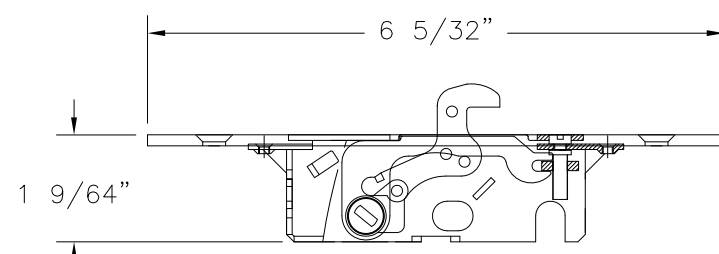
**4 3/4" STILE**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



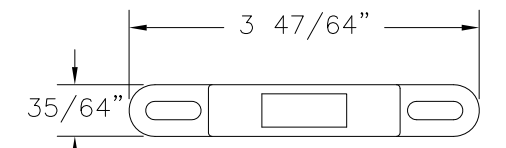
**6 5/8" BOTTOM RAIL**  
PVC COMPOSITE FOAM WITH  
.031" THICK EXTRUDED PVC SKIN



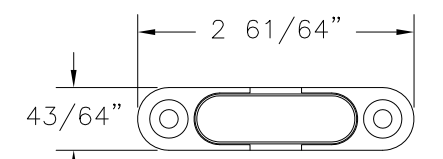
**ADJUSTABLE ROLLER**  
STAINLESS STEEL



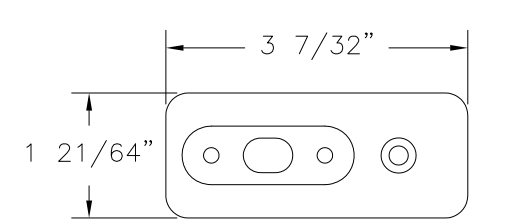
**SINGLE LOCKING SYSTEM**  
STAINLESS STEEL, DIE, STEEL



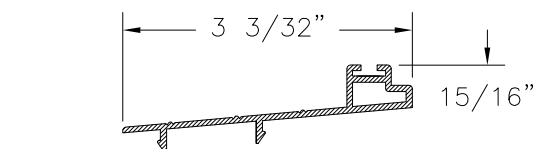
**LOCK KEEPER**  
STAINLESS STEEL



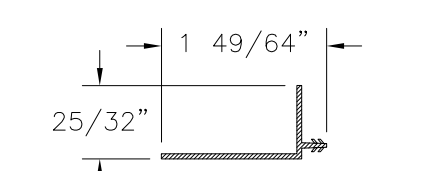
**ANTI-LIFT STOPPER**  
DIE CASTING



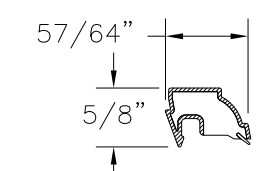
**BOLT STILE END-COVER**  
RIGID PVC



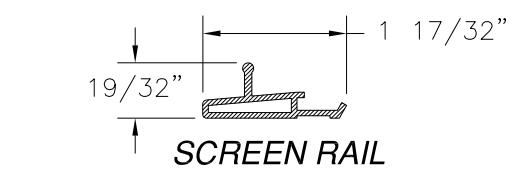
**THRESHOLD**  
EXTRUDED ALUMINUM 6063-T6 .059" THICK



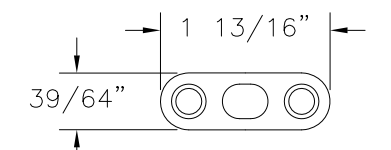
**FRAME FIN**  
EXTRUDED RIGID PVC .051" THICK



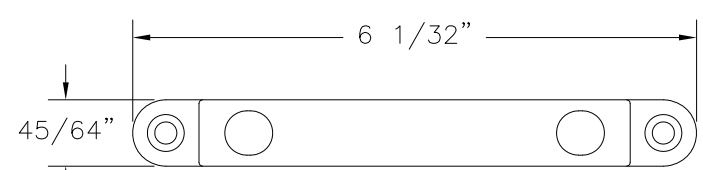
**43/64" GLAZING BEAD**  
EXTRUDED RIGID PVC



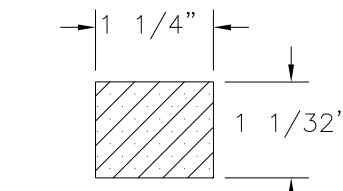
**SCREEN RAIL**  
EXTRUDED ALUMINUM 6063-T6 .059" THICK



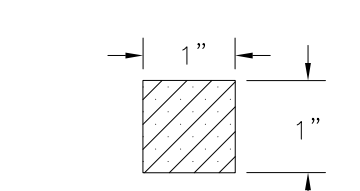
**FLUSH BOLT TOP GUIDE**  
STAINLESS STEEL



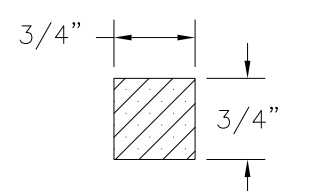
**FLUSH BOLT KEEPER**  
STAINLESS STEEL



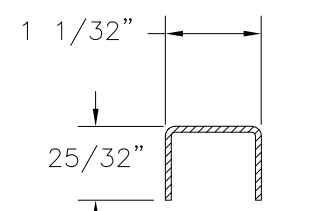
**PANEL STILE REINFORCEMENT**  
PINE



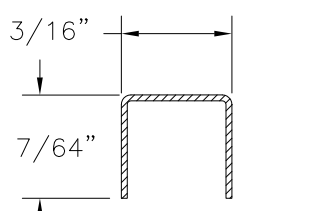
**PANEL BOTTOM RAIL REINFORCEMENT**  
PINE



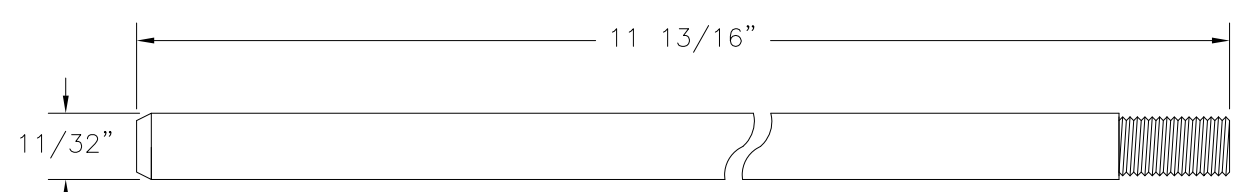
**JAMB REINFORCEMENT**  
PINE



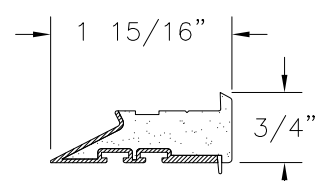
**LOCK STILE REINFORCEMENT**  
STEEL



**STILE REINFORCEMENT**  
STEEL



**FLUSH BOLT BAR**  
STAINLESS STEEL



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

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MASTERPIECE SERIES GLIDING PATIO DOOR  
NAN YA 6068 DP45  
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