

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	12/20/2021	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
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" 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.
5. 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.
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: CO-EXTRUDED PVC FOAM.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING 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 INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING 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 3,192 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
19. APPROVED CONFIGURATIONS: X, X/O, O/X, OX, XO, OX/O, XO/O, XX, XX/O, O/XX, OXX, XXO, OXX/O AND O/XXO, SEE SHEET 3.
20. SIDELITES ARE ASSEMBLED TO FRAME WITH #10 X 3" WOOD SCREWS LOCATED 4" FROM EACH END AND 19 1/8" MAX O.C. THEREAFTER AT JAMBS AND 4" FROM EACH END AND ONE AT MIDSPAN AT HEAD AND SILL.

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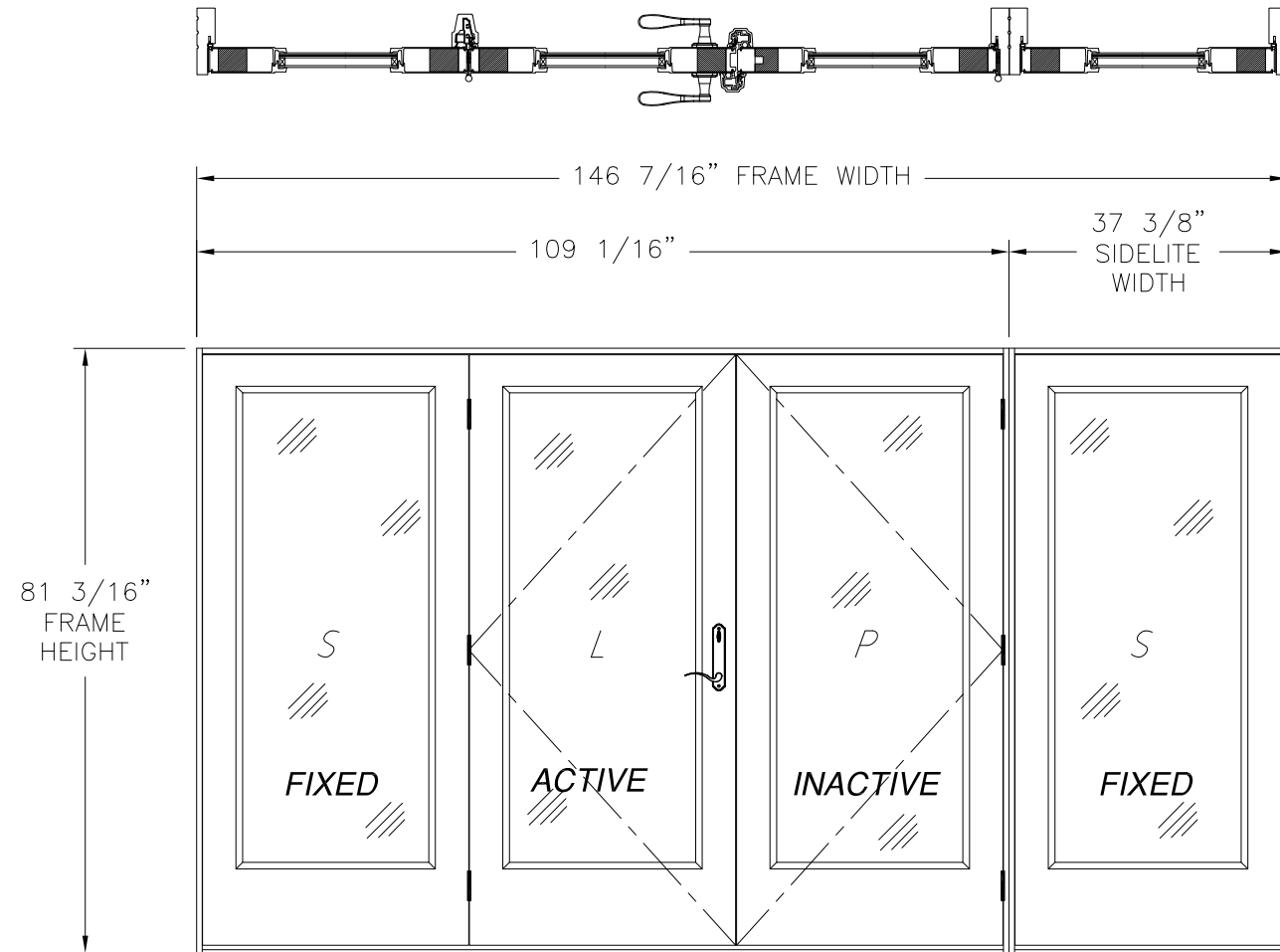
<b>NAN YA PLASTICS CORP. USA</b> 8989 NORTH LOOP EAST HOUSTON, TX 77029		
<b>SLPS PATIO DOOR LITE 6'11" OUT-SWING          LARGE MISSILE IMPACT          NOTES</b>		
DRAWN: A.R.	DWG NO. 08-03342	REV A
SCALE NTS	DATE 10/29/18	SHEET 1 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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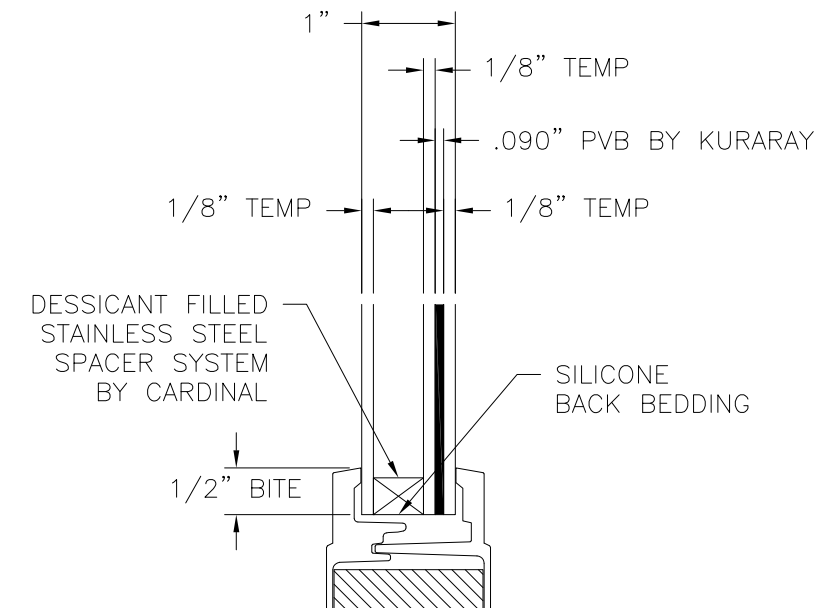


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- NOTES:  
1. PANEL SIZE: 35 3/4" X 79 1/4"  
2. D.L.O.: 25" X 63"



SLPS PATIO DOOR LITE 6'11" OUT-SWING  
EXTERIOR VIEW

GLAZING DETAIL

WITH STANDARD SILL

DESIGN PRESSURE RATING	IMPACT RATING
+50.0/-60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

WITH 1/2" SILL RISER

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

HARDWARE SCHEDULE

A.	HANDLE SETS AT ACTIVE PANEL
B.	STAINLESS STEEL FLUSH BOLT BAR WITH KEEPER AT PASSIVE PANEL
C.	FLUSH BOLT MECHANISM (DIE CAST, STEEL, POM) AT PASSIVE PANEL
D.	STAINLESS STEEL MULTI-POINT LOCK WITH KEEPERS AT 11 9/16", 40 9/16" & 69 5/8" FROM FRAME HEAD
E.	T ASTRAGAL AT ACTIVE AND PASSIVE PANELS
F.	(3) 4X4 DOOR HINGE, 7 5/8", 37 7/8" AND 68 1/8" FROM FRAME HEAD AT STILE OF ACTIVE AND PASSIVE PANEL
G.	ALUMINUM REINFORCEMENT (A) AT ASTRAGAL
H.	ALUMINUM MULLION REINFORCEMENT (B) AT INTEGRAL MULLION

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ELEVATION AND GLAZING DETAIL

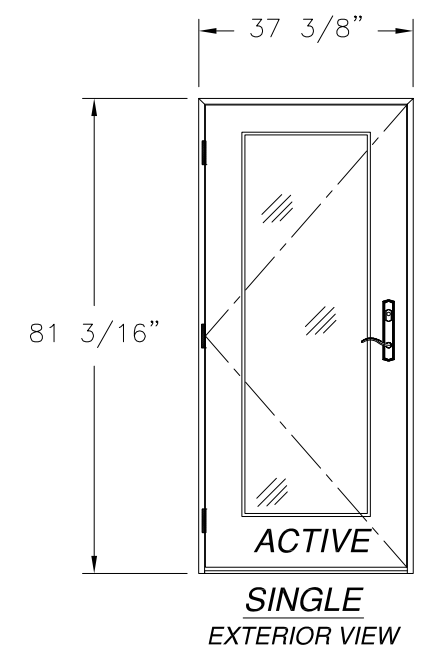
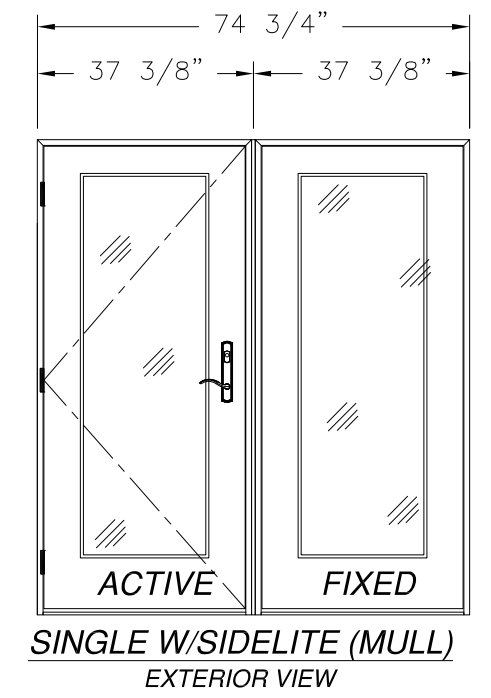
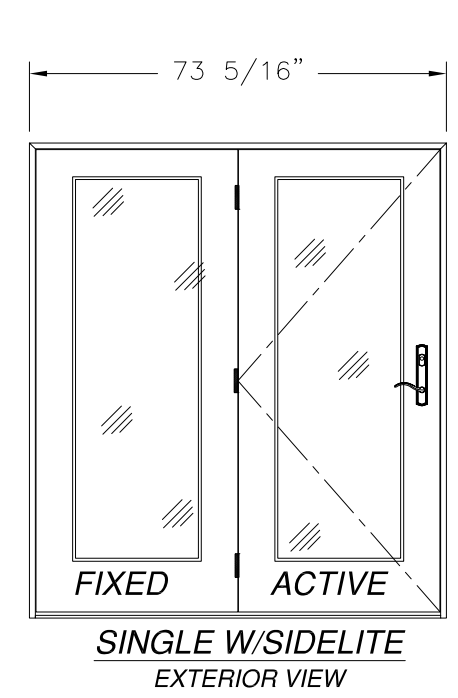
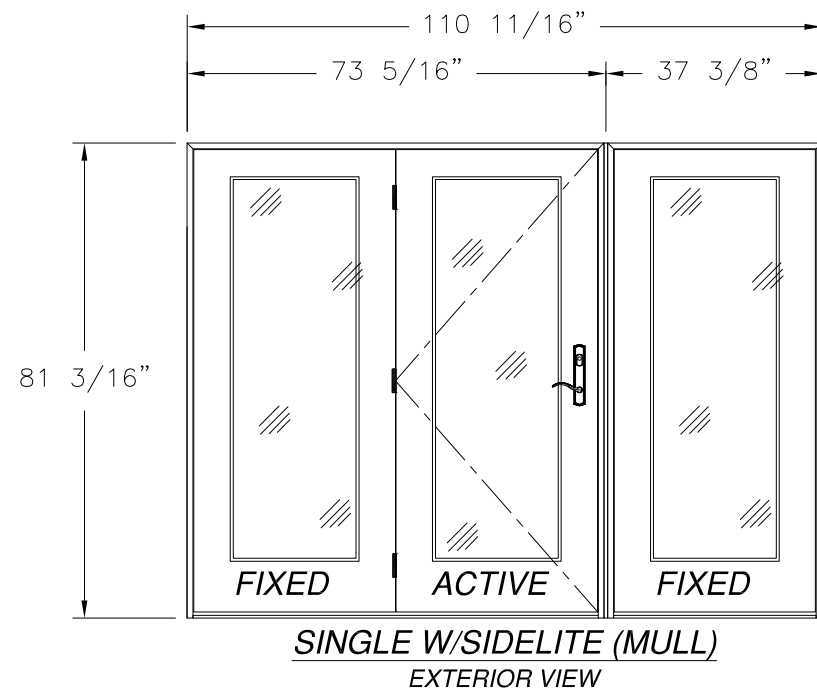
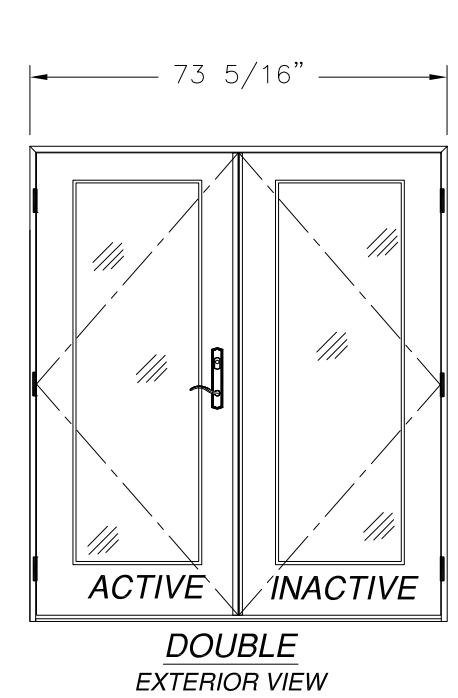
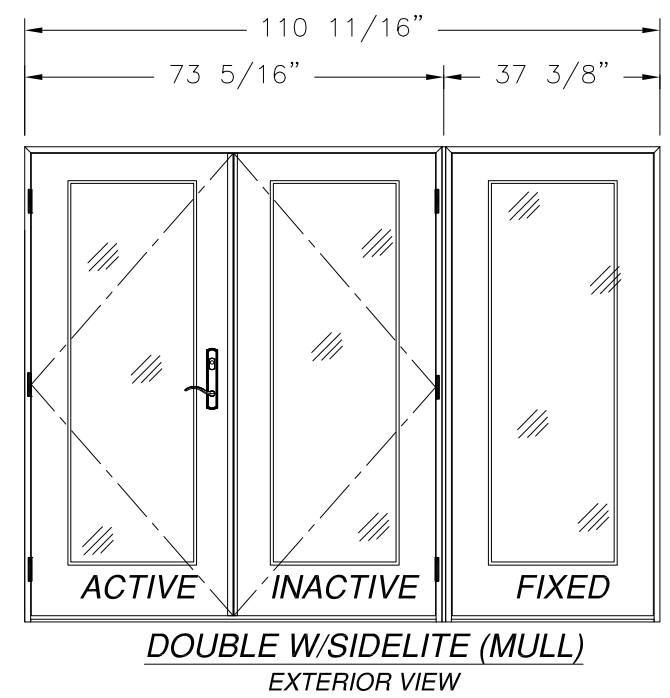
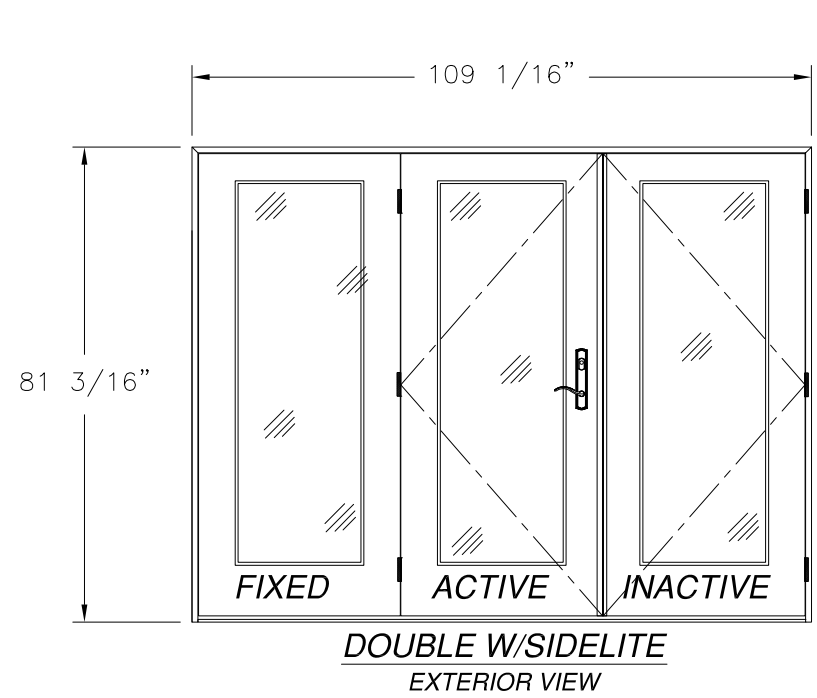
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NOTE:  
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT  
HAND ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

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APPROVED CONFIGURATIONS

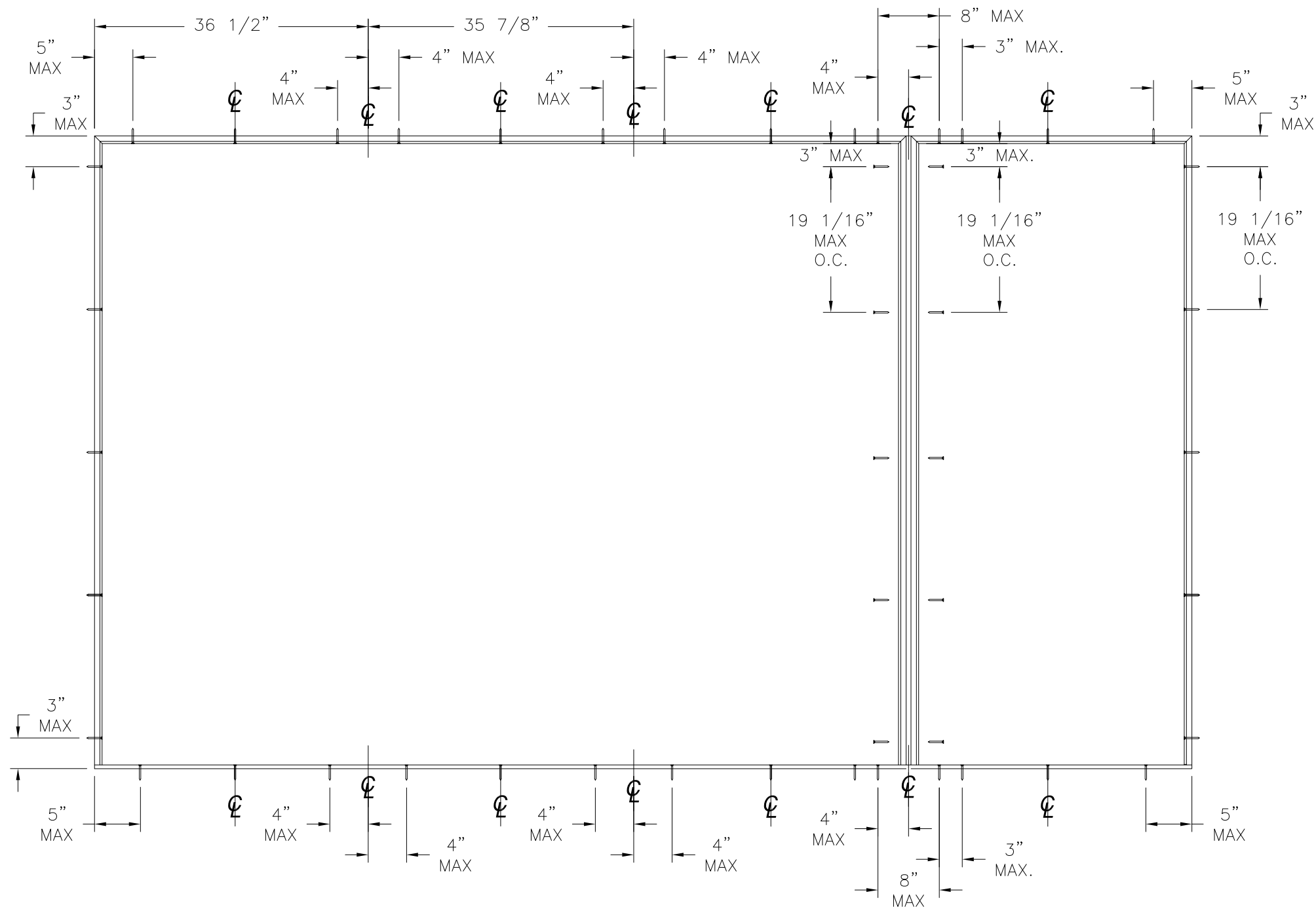
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ANCHORING LAYOUT

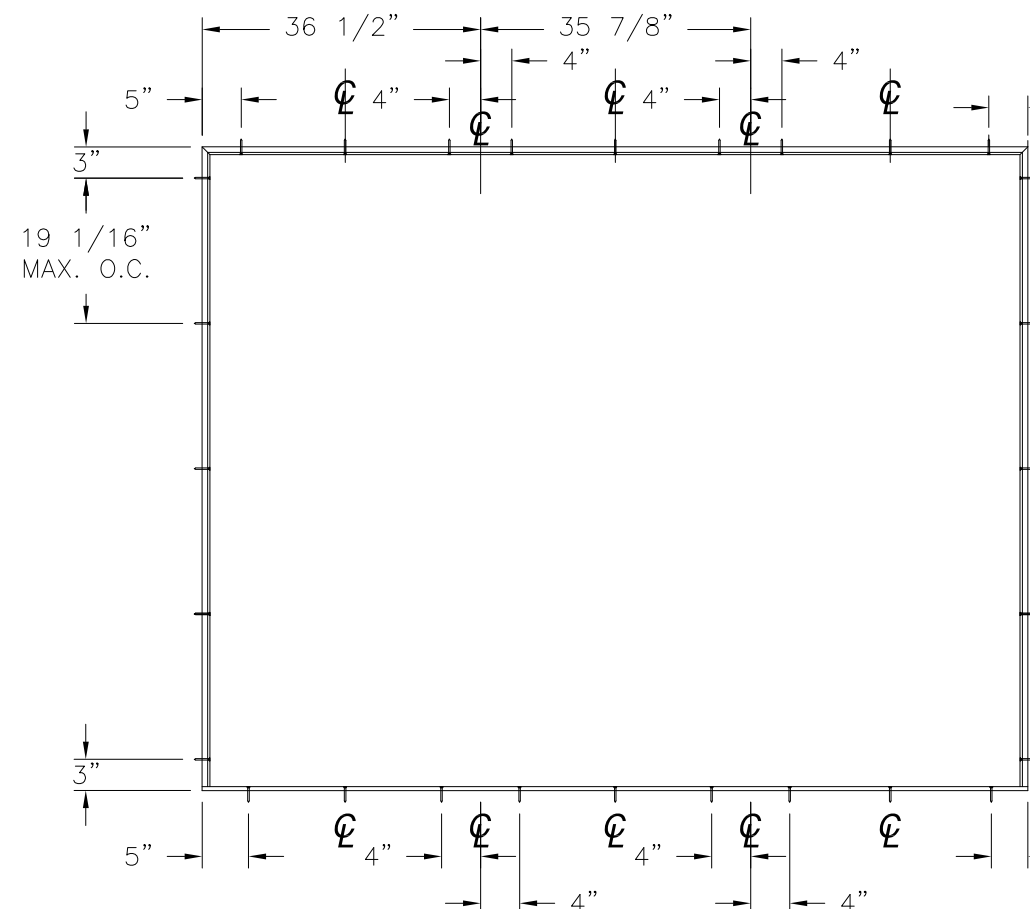
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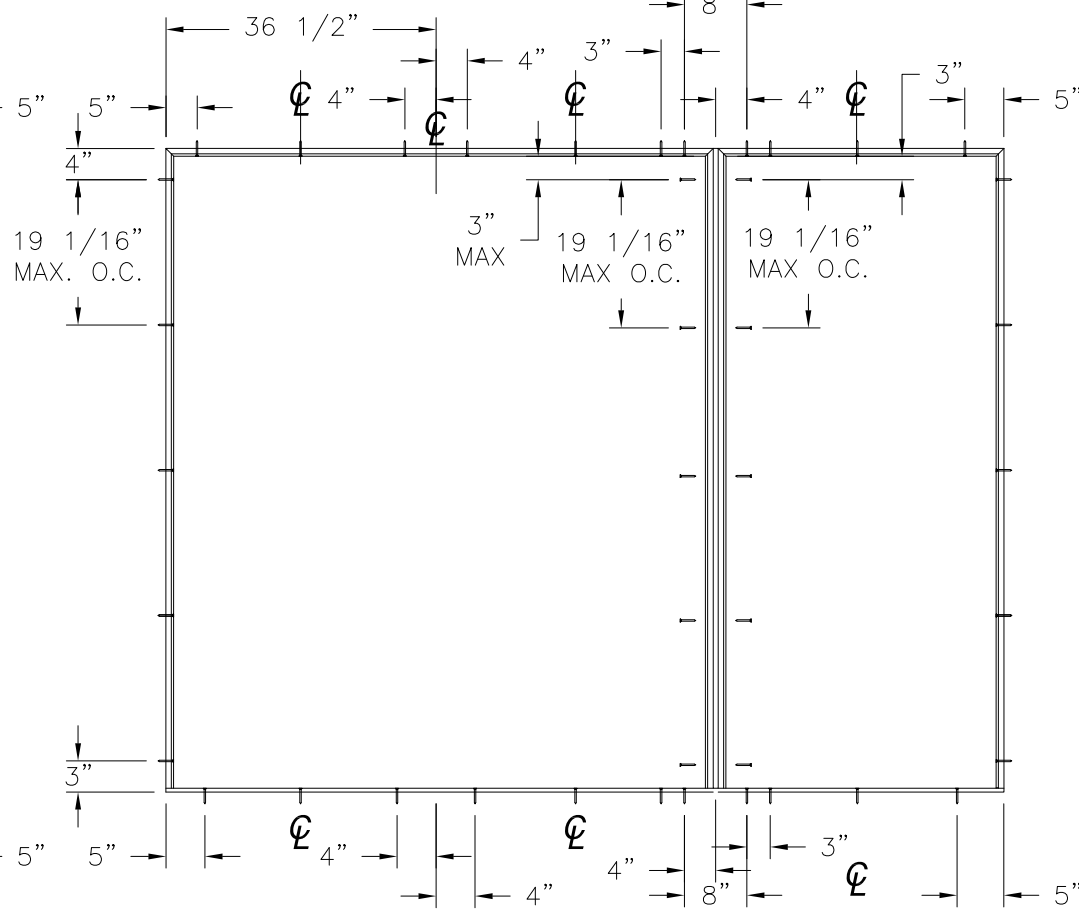


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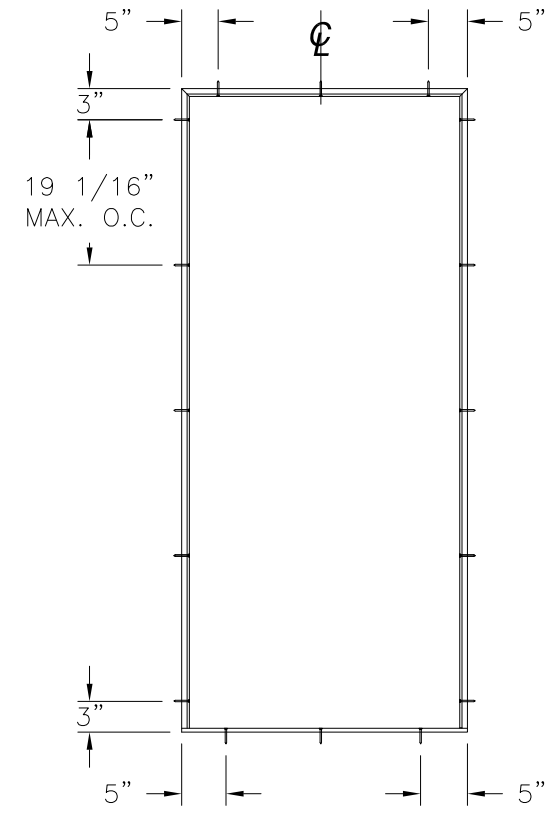
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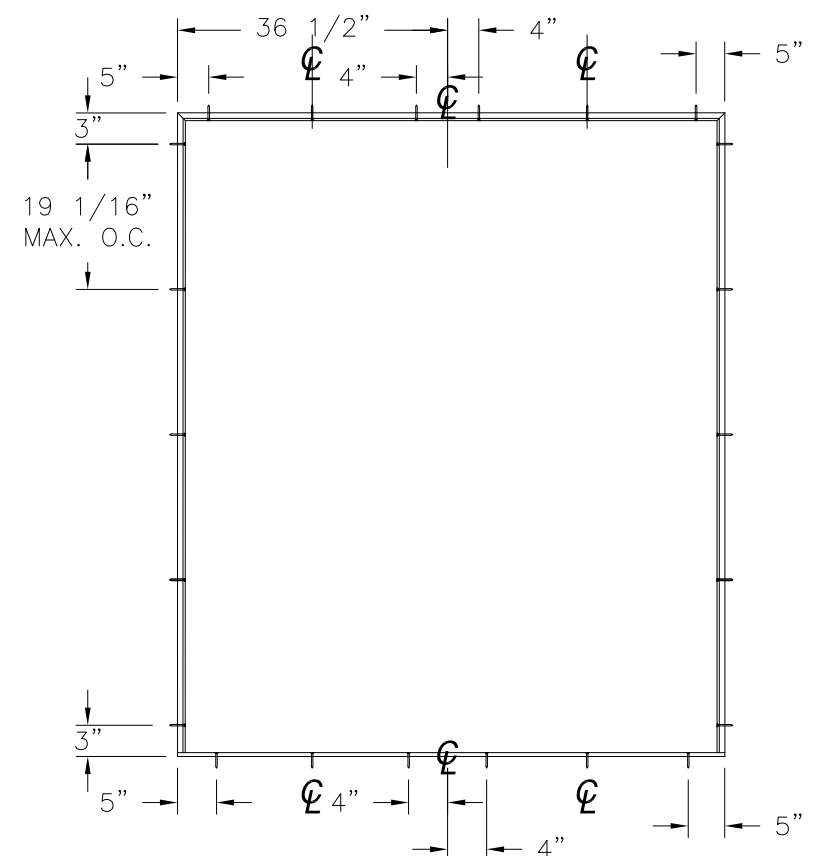
**ANCHORING LAYOUT FOR OXO, XXO AND OXX**



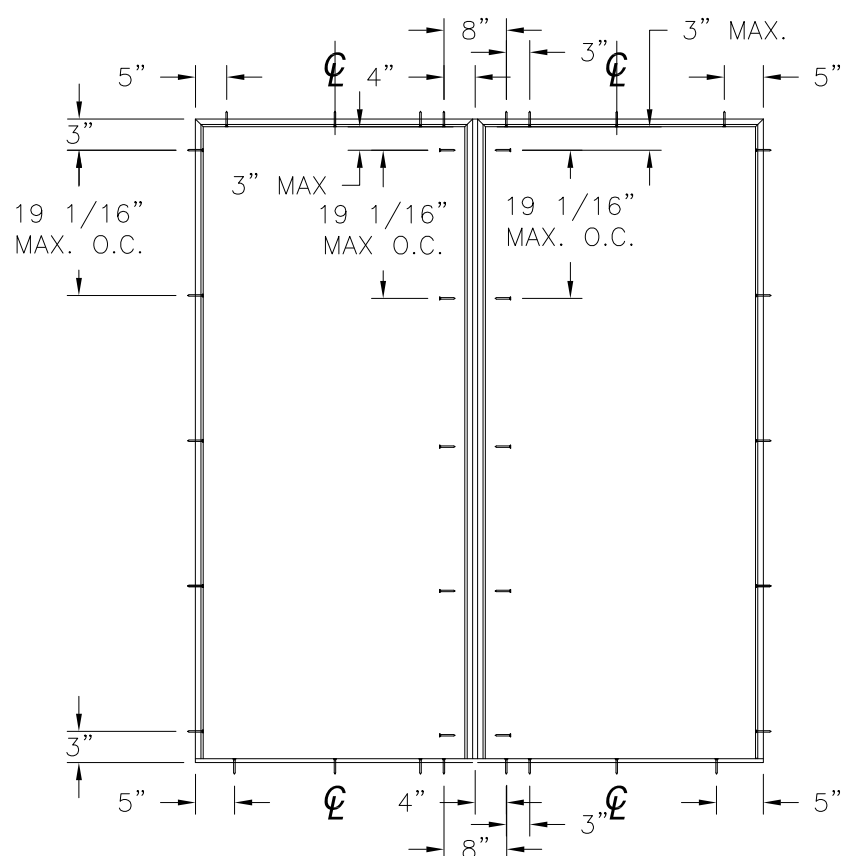
**ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)**



**ANCHORING LAYOUT FOR X**



**ANCHORING LAYOUT FOR XX, OX AND XO**



**ANCHORING LAYOUT FOR OX AND XO (MULL)**

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 ANCHORING LAYOUTS

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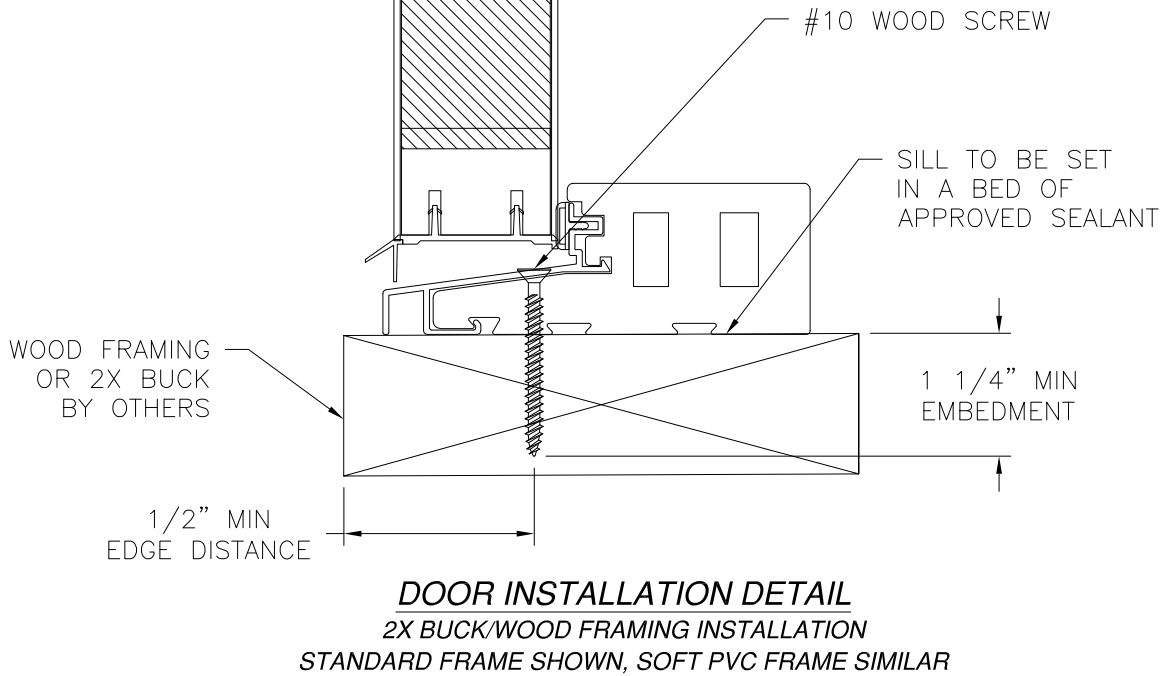
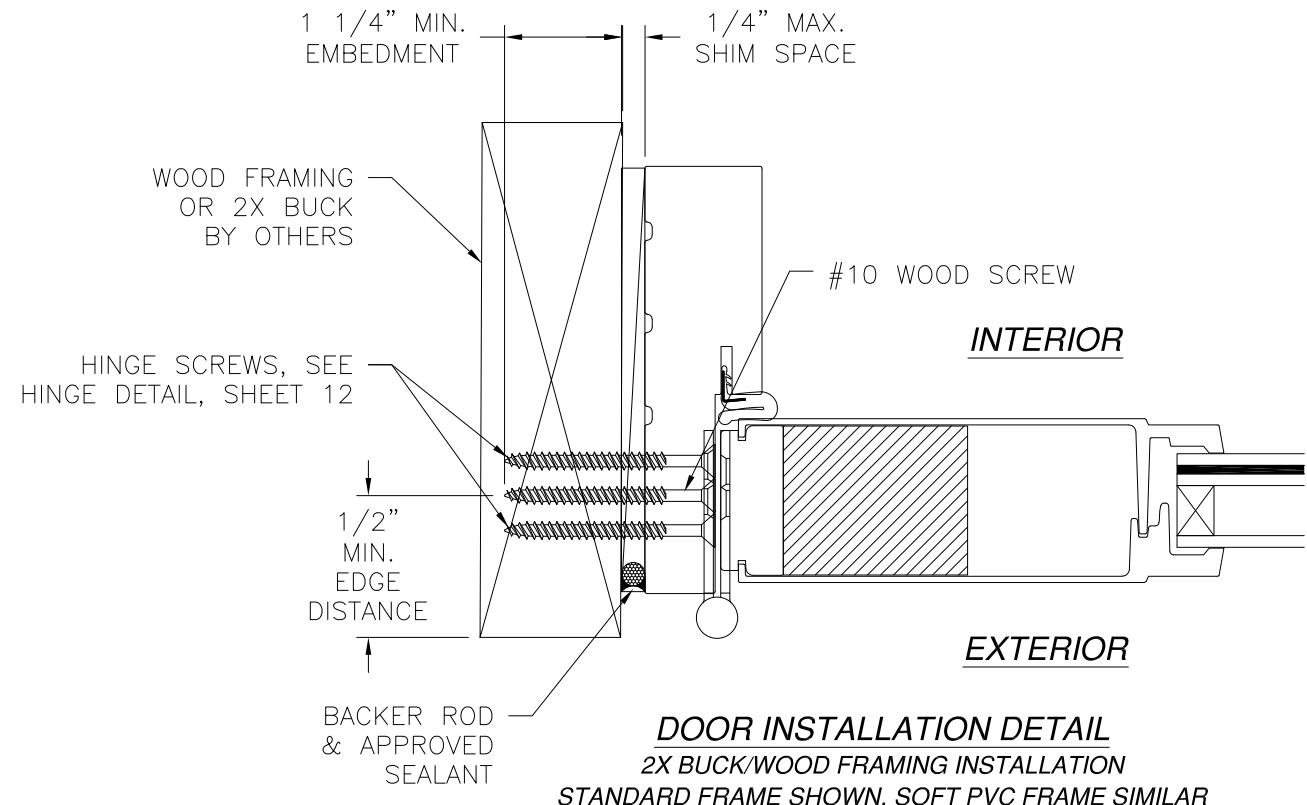
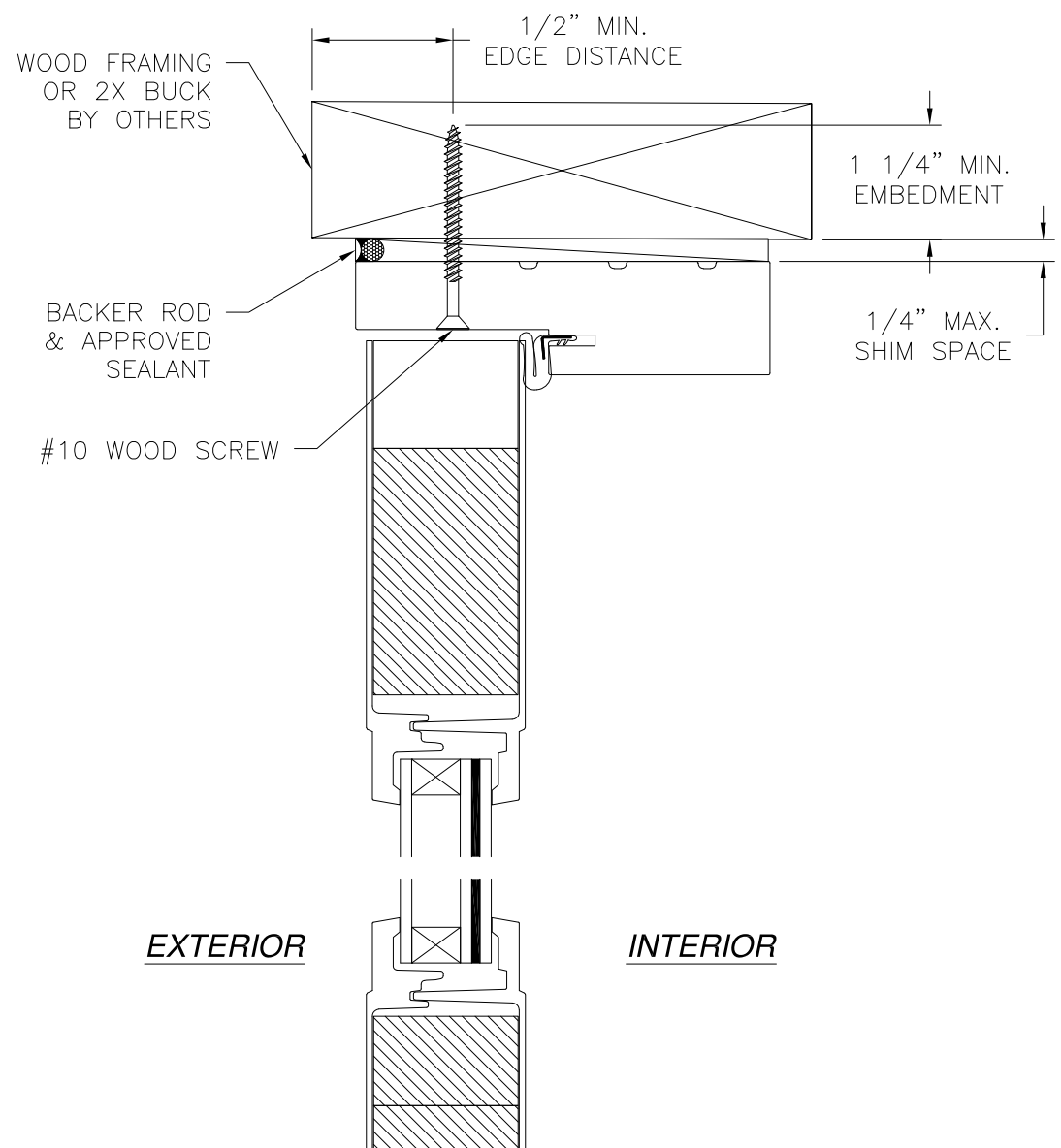
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- NOTES:**
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  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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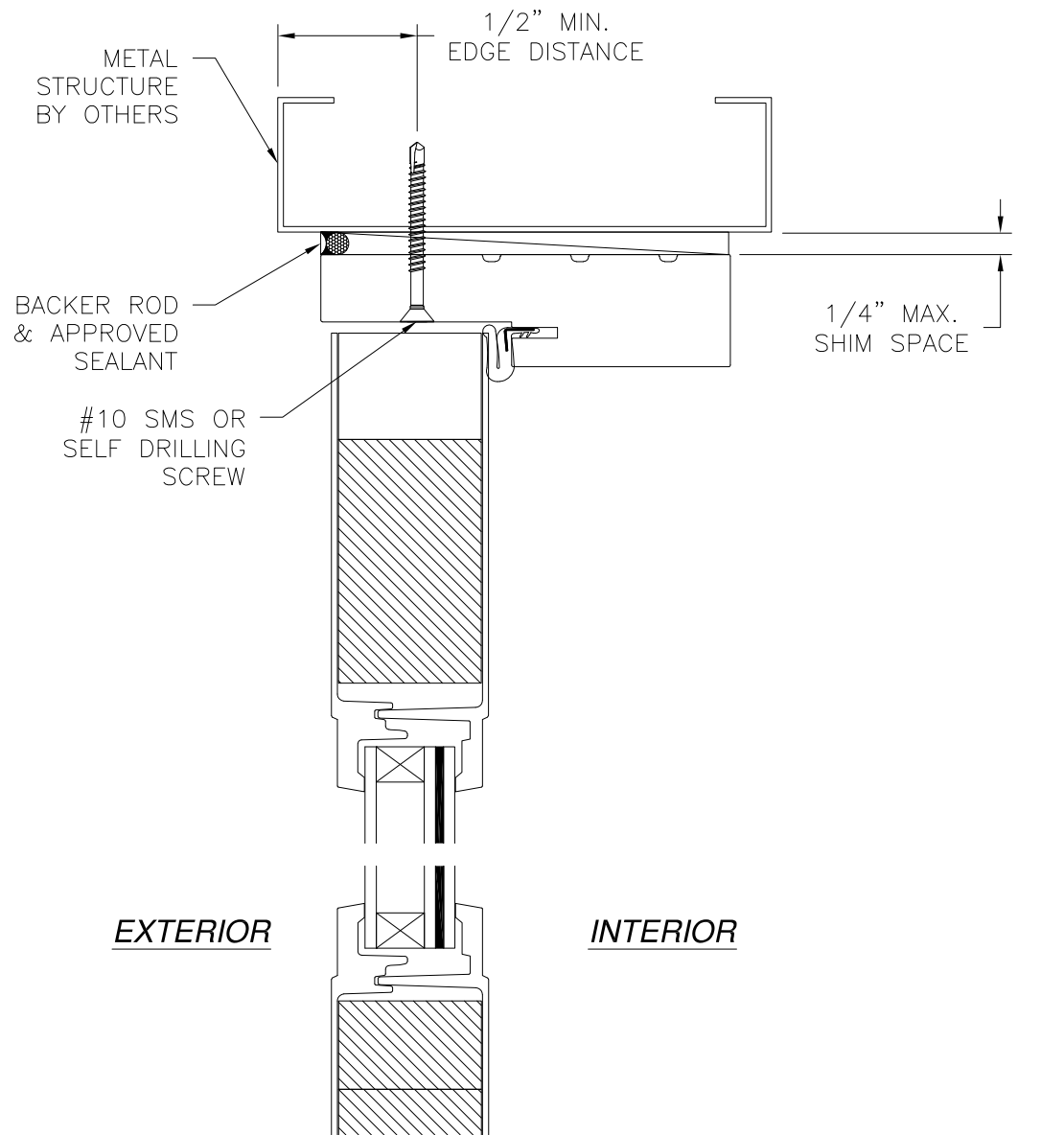
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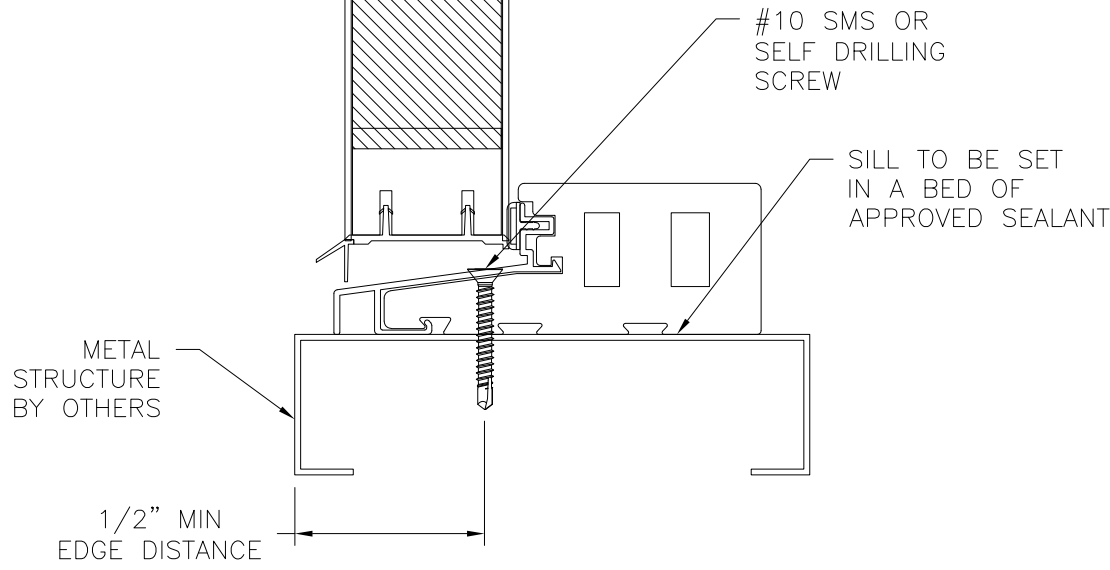


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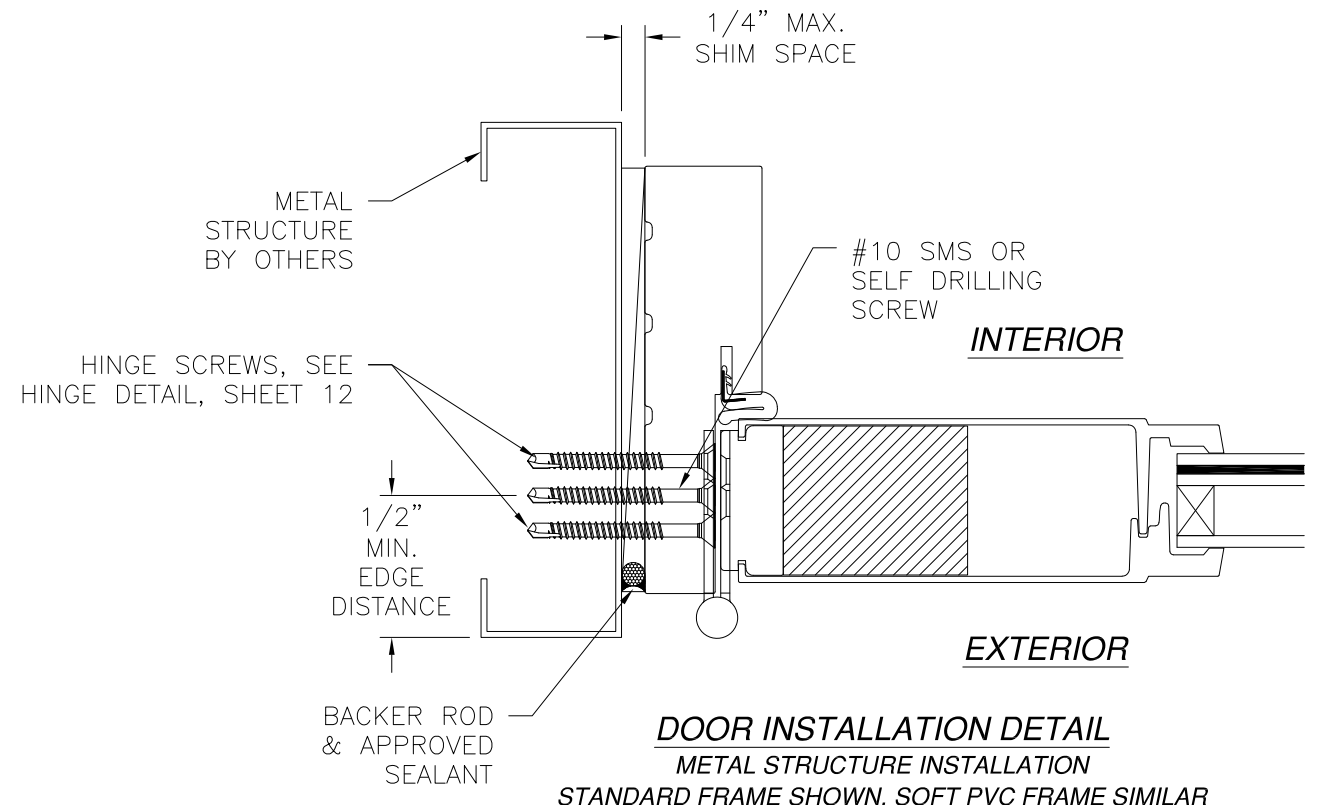
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*EXTERIOR*                      *INTERIOR*



**DOOR INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION  
STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR



**DOOR INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION  
STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

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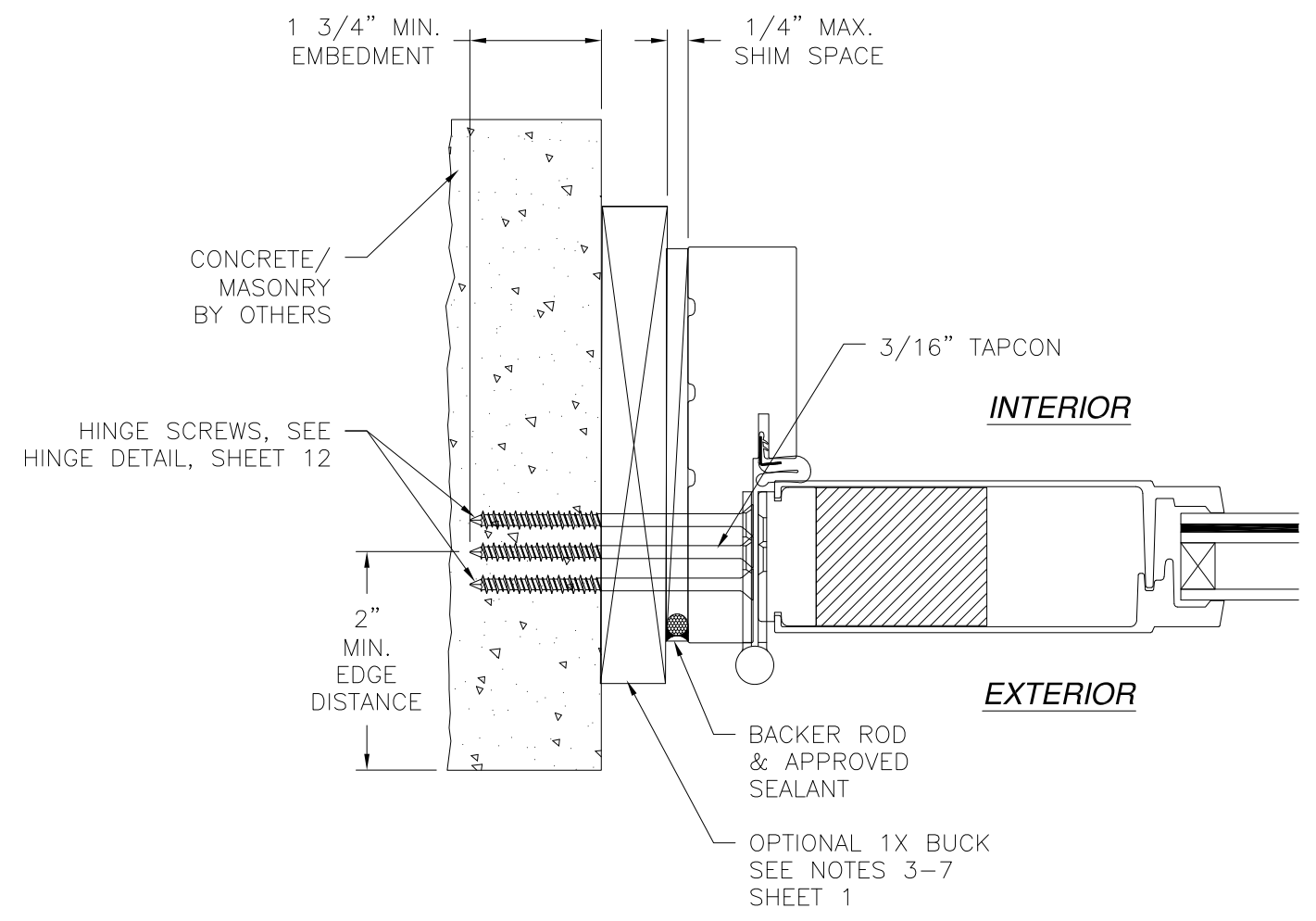
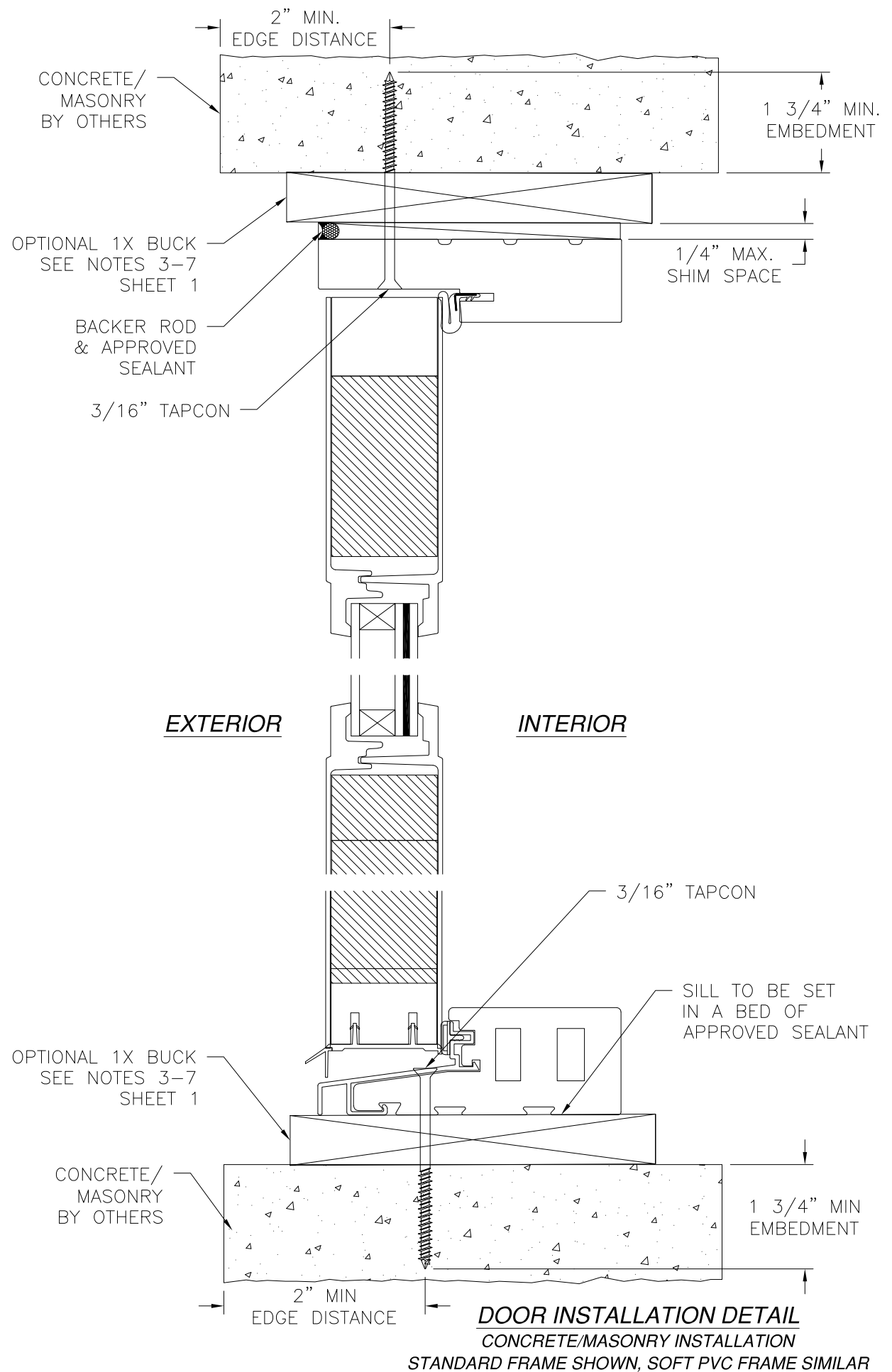
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**DOOR INSTALLATION DETAIL**  
**CONCRETE/MASONRY INSTALLATION**  
 STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

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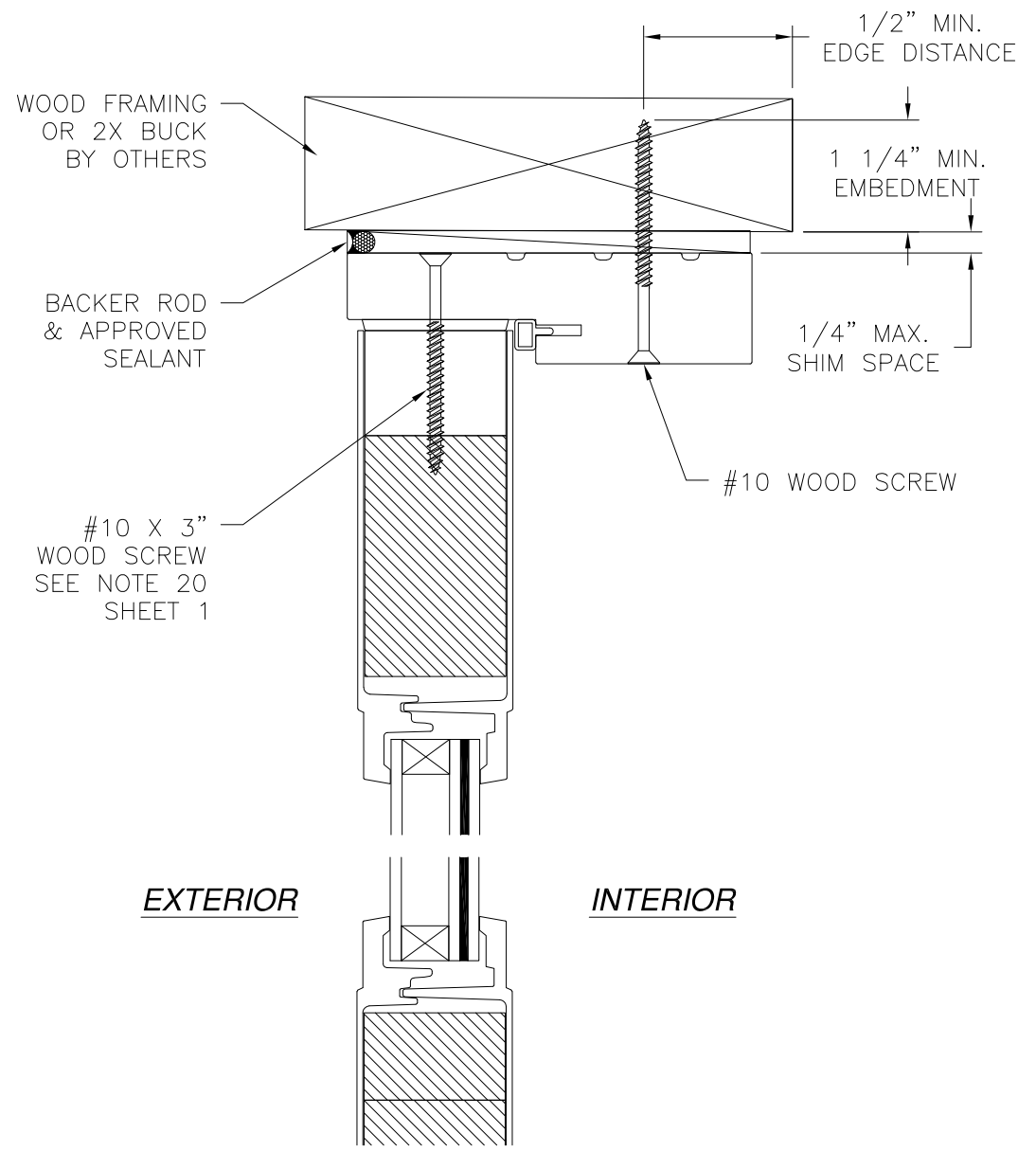
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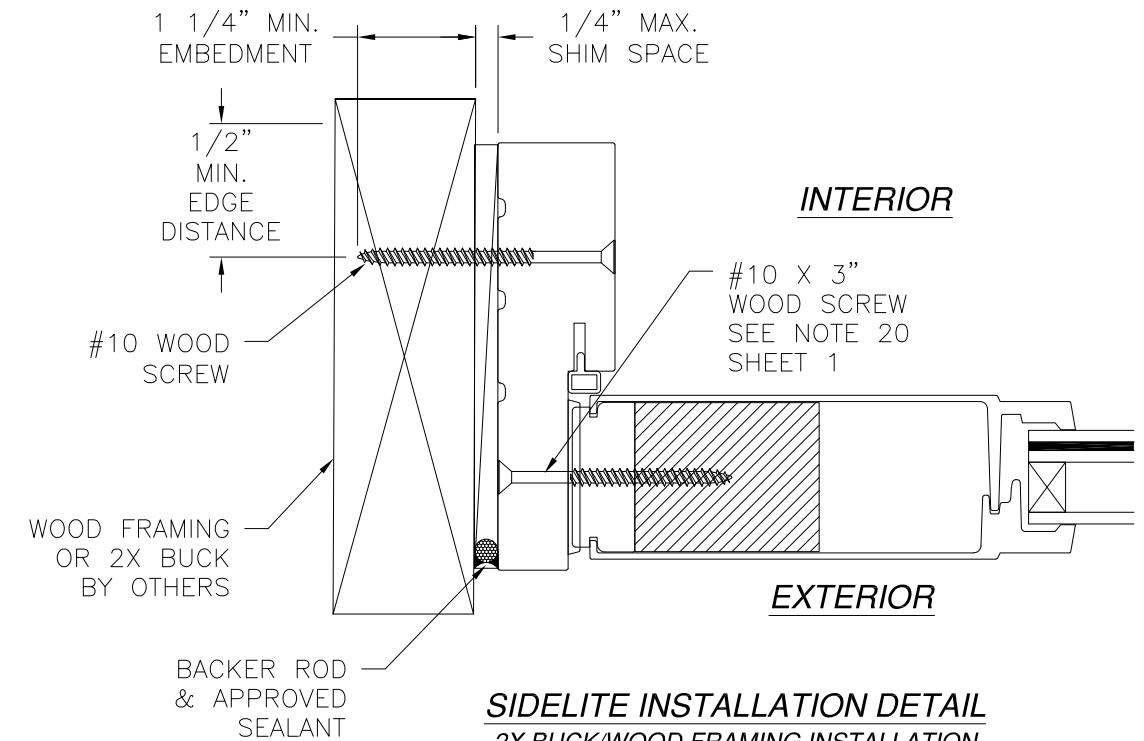


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**EXTERIOR**                      **INTERIOR**

**SIDELITE INSTALLATION DETAIL**  
 2X BUCK/WOOD FRAMING INSTALLATION  
 STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR



**INTERIOR**

**EXTERIOR**

**SIDELITE INSTALLATION DETAIL**  
 2X BUCK/WOOD FRAMING INSTALLATION  
 STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

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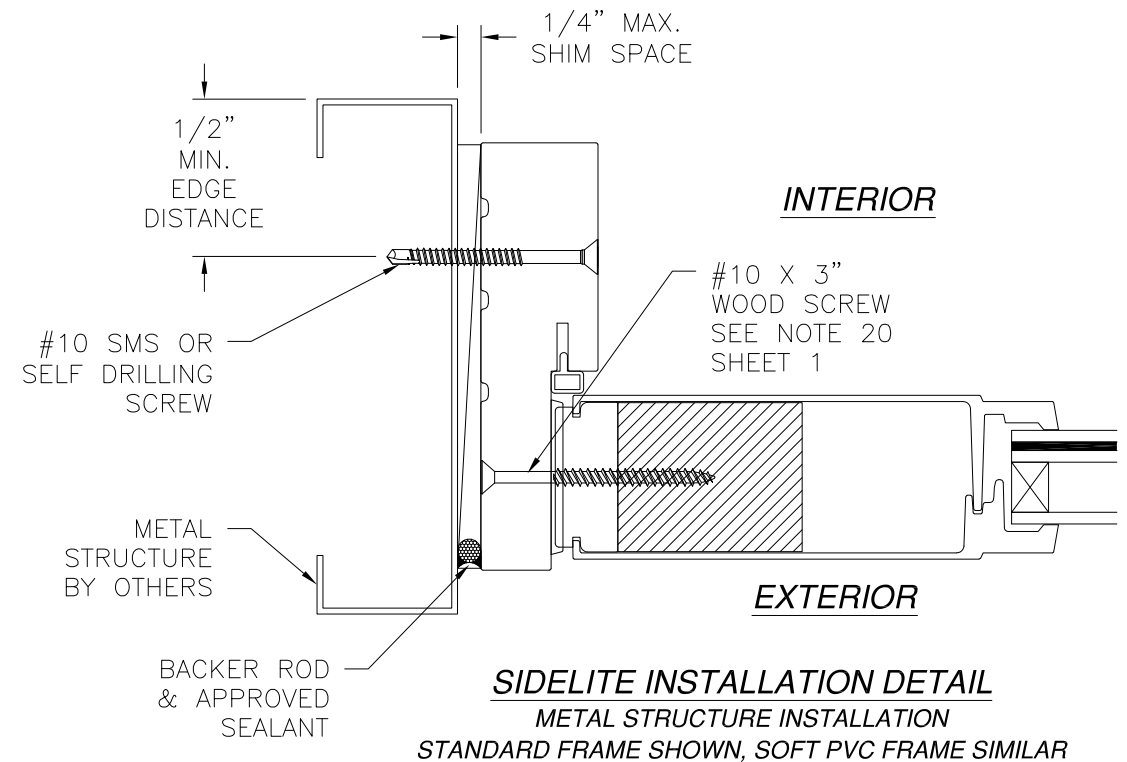
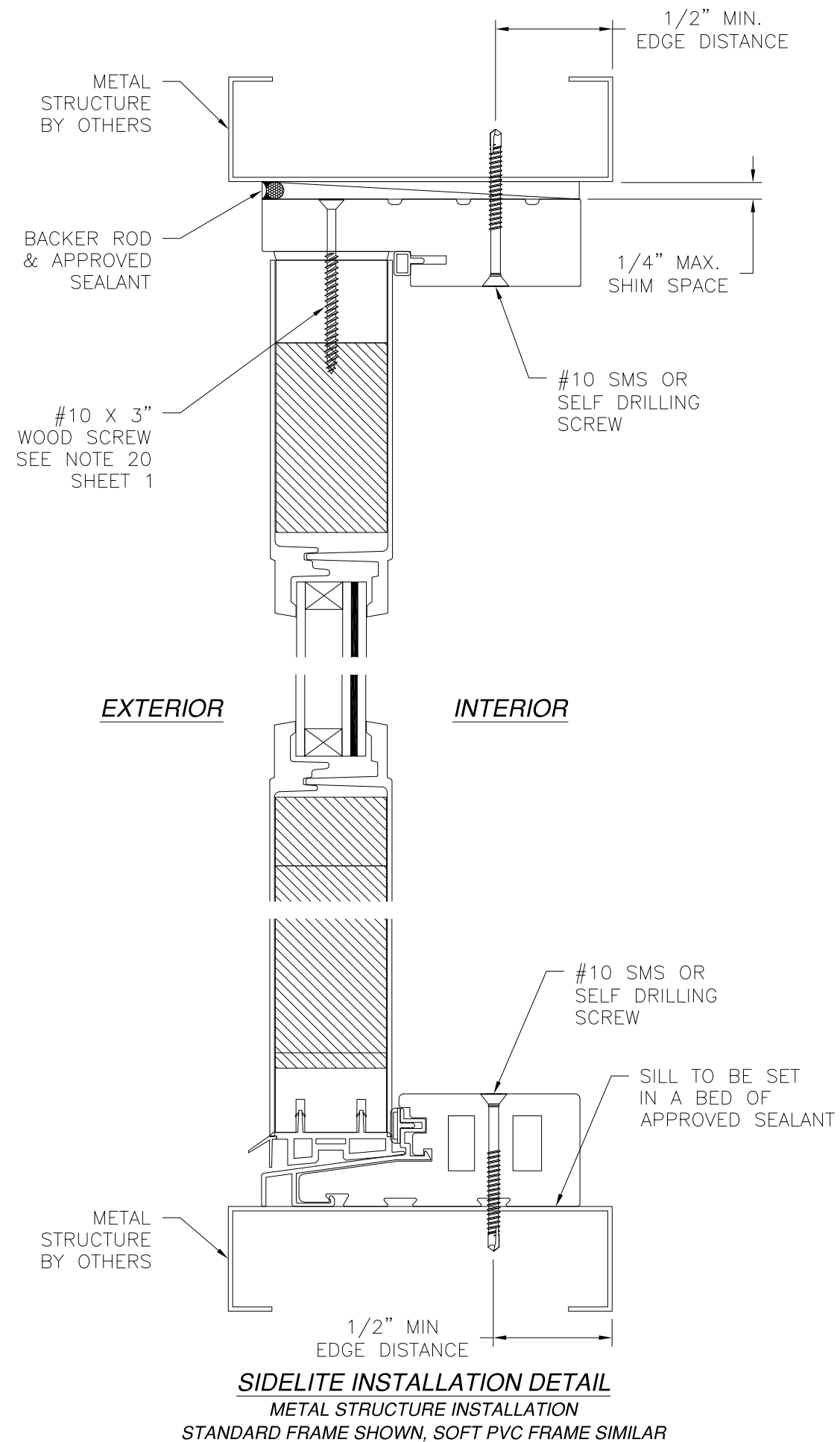
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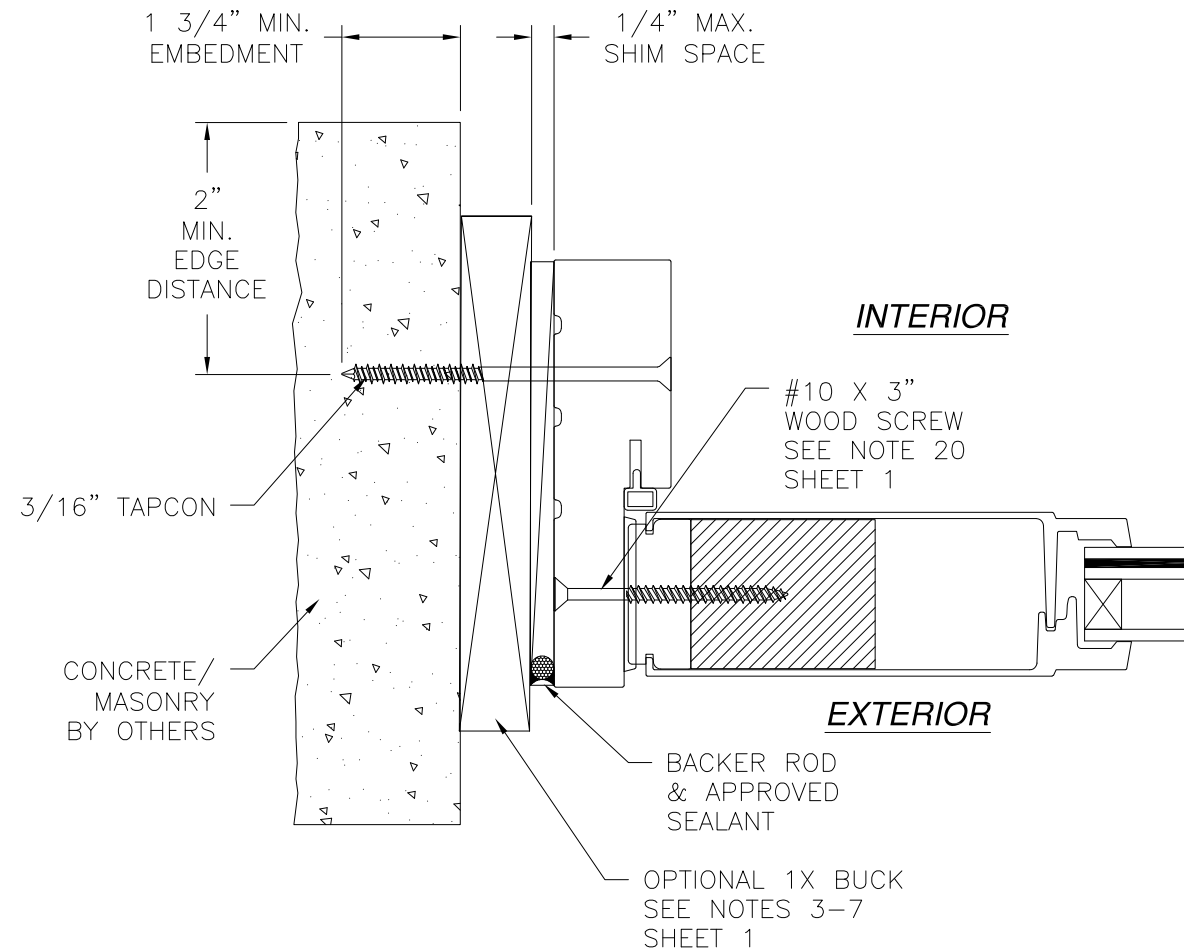
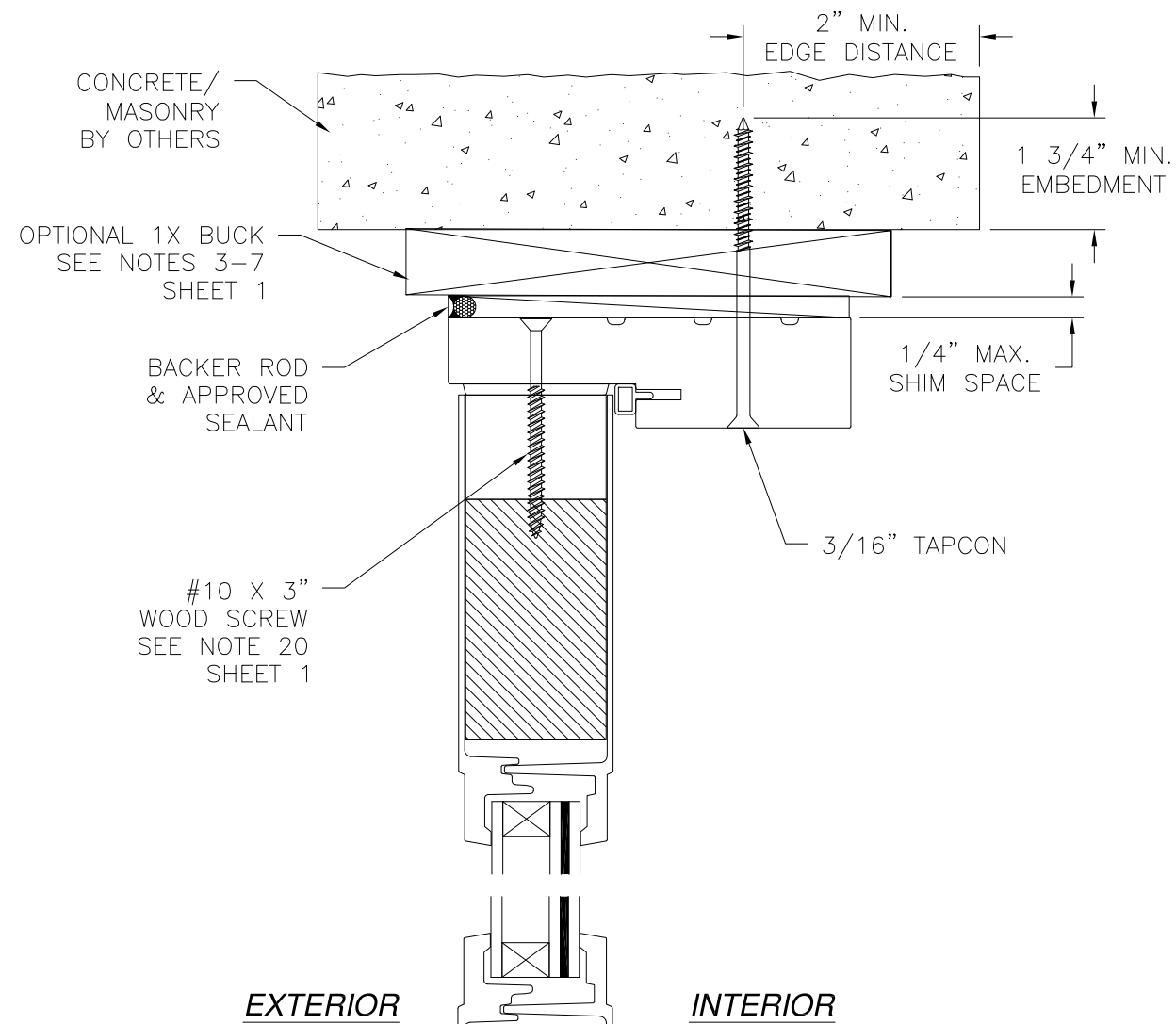
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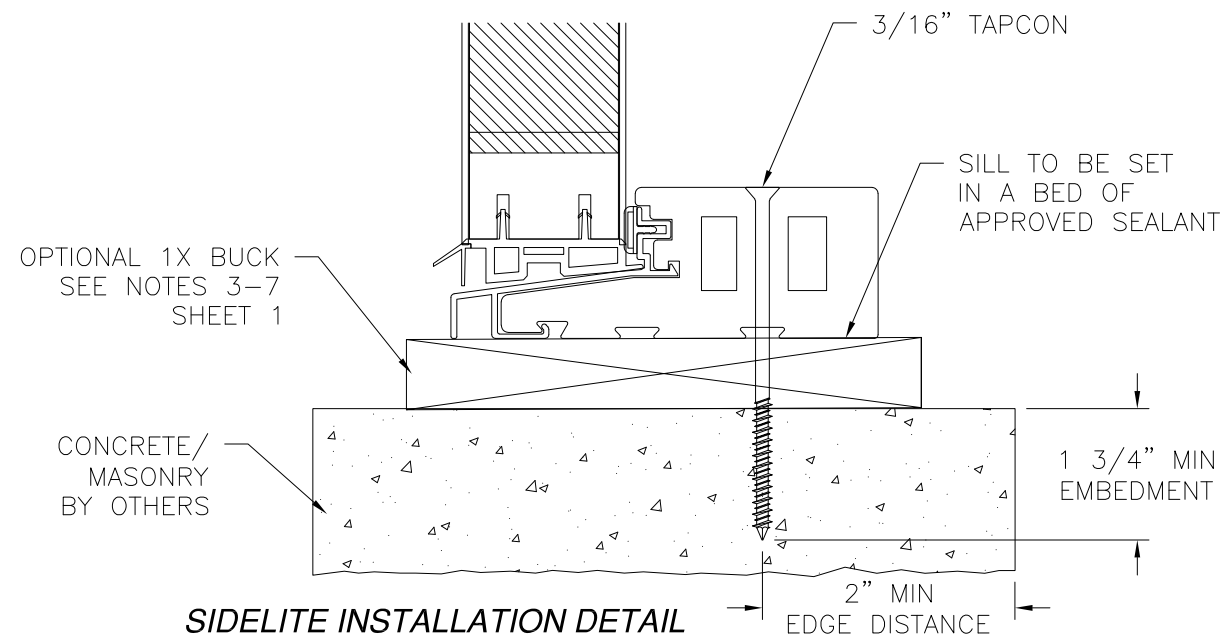
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CONCRETE/MASONRY INSTALLATION  
STANDARD FRAME SHOWN, SOFT PVC FRAME SIMILAR

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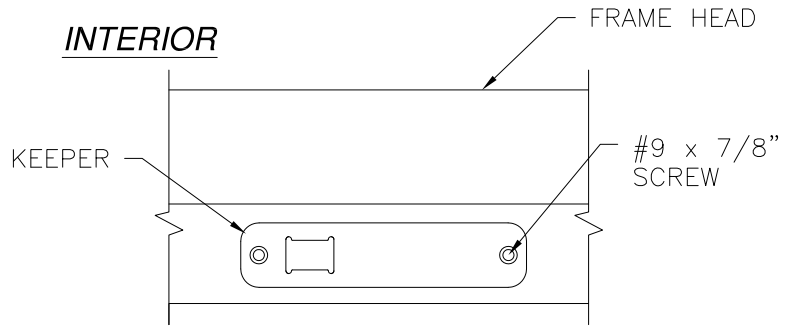
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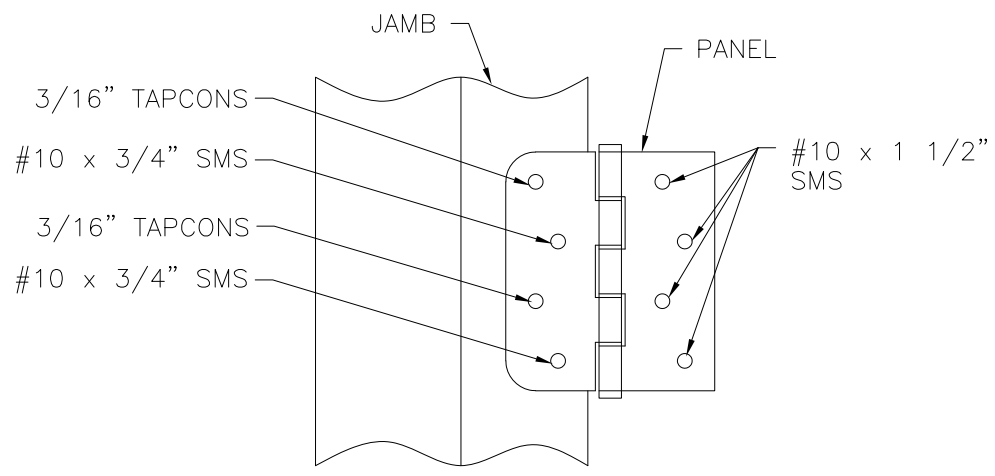


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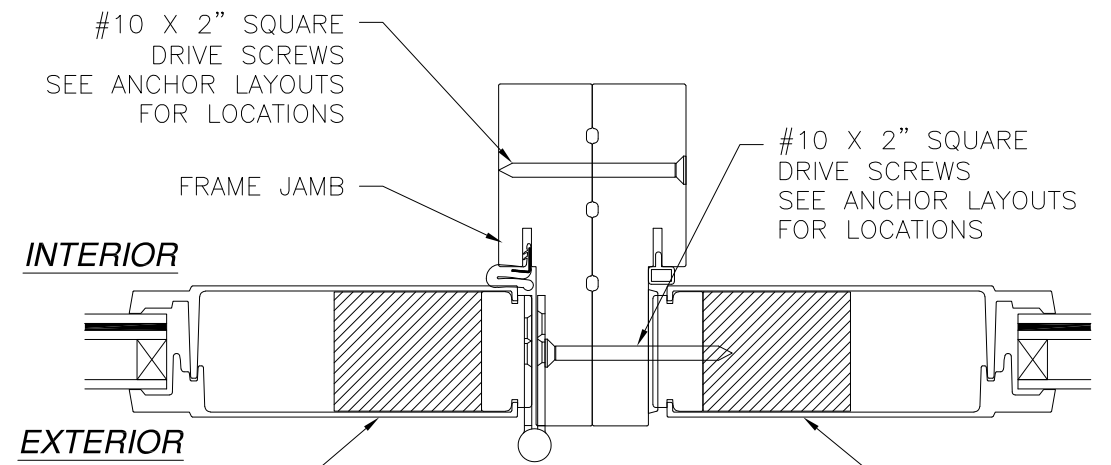
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REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	12/20/2021	R.L.



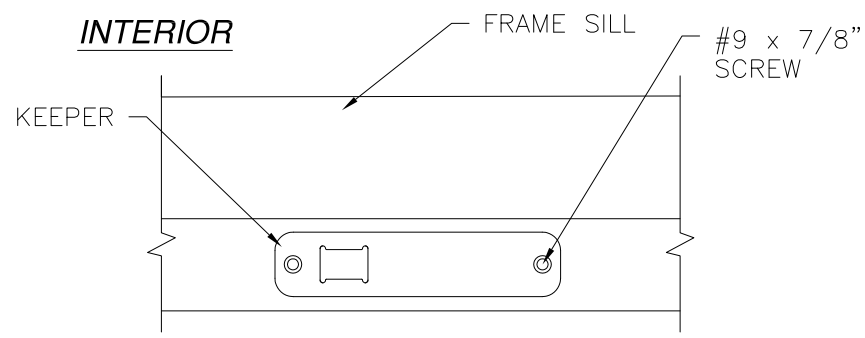
**EXTERIOR**  
**HEAD KEEPER DETAIL**



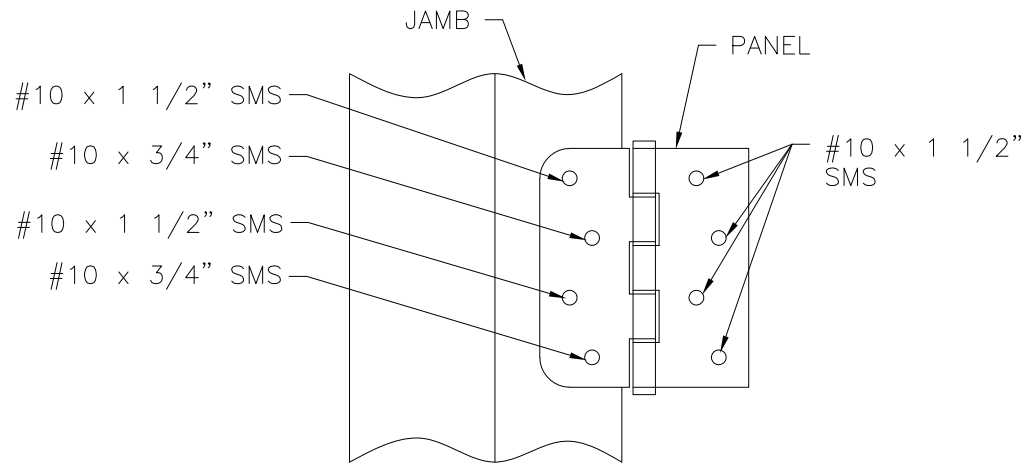
**HINGE INSTALLATION DETAIL**  
**MASONRY/CONCRETE INSTALLATION**



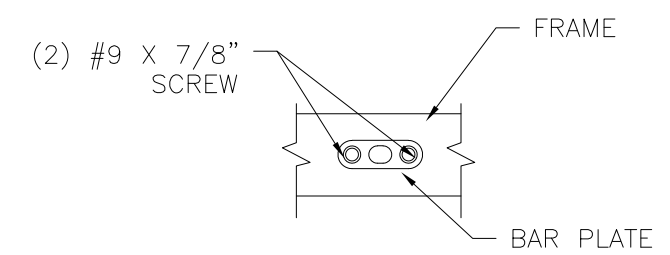
**MULLION DETAIL**  
**DOOR ANCHORS SCREWS**  
**NOT SHOWN FOR CLARITY**



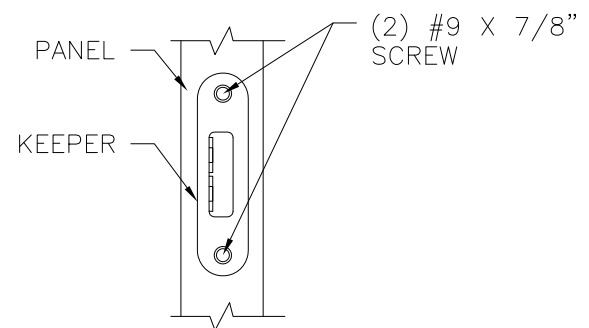
**EXTERIOR**  
**SILL KEEPER DETAIL**



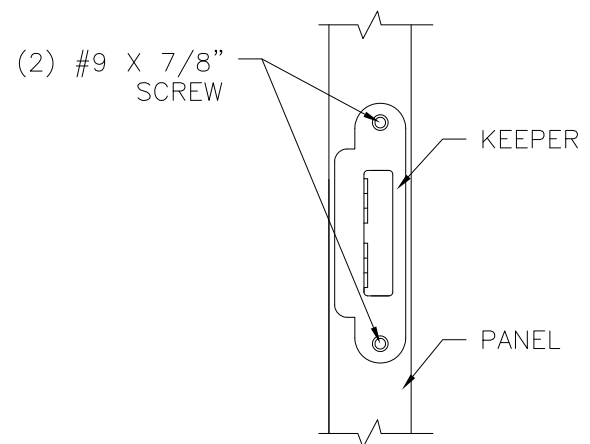
**HINGE INSTALLATION DETAIL**  
**WOOD AND METAL INSTALLATION**



**DRIVE BAR PLATE DETAIL**



**HOOK KEEPER DETAIL**



**SLAB MULTI-POINT**  
**LOCK KEEPER DETAIL**

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SLPS PATIO DOOR LITE 6'11" OUT-SWING  
LARGE MISSILE IMPACT  
INSTALLATION DETAILS

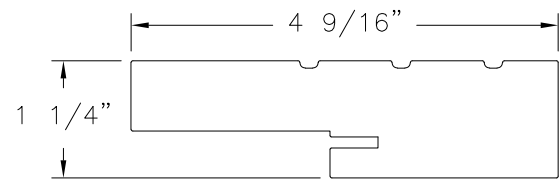
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SCALE NTS	DATE 10/29/18	SHEET 12 OF 14

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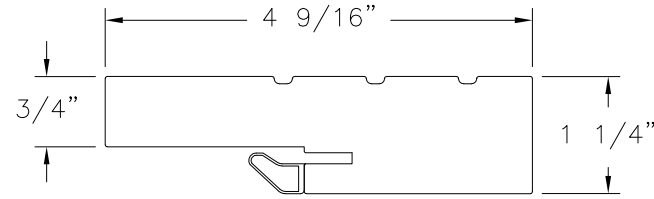


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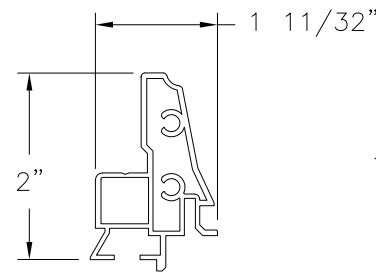
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REV	DESCRIPTION	DATE	APPROVED
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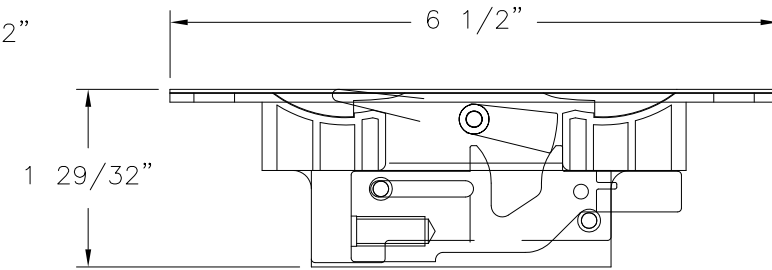
**HEAD FRAME & JAMB**  
FOAM PVC CO-EX



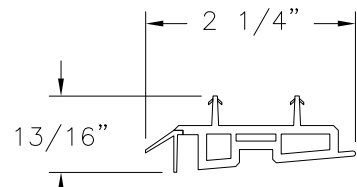
**FRAME SOFT PVC**  
FOAM PVC CO-EX



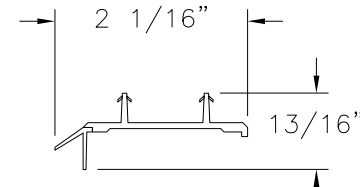
**REINFORCEMENT (B)**  
ALUMINUM



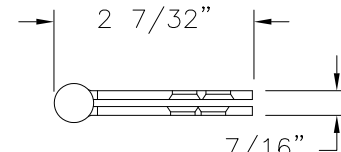
**FLUSH BOLT MECHANISM**  
DIE CAST, STEEL, POM (SS93X) BY JAM YUAN ENTERPRISES CO., LTD.



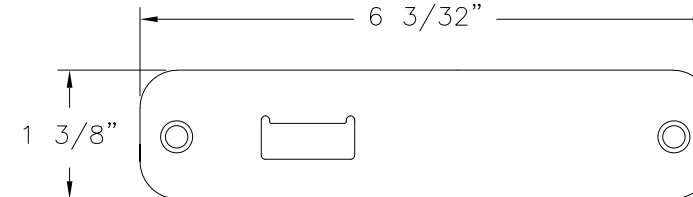
**DOOR BOTTOM-B**  
PVC CO-EX



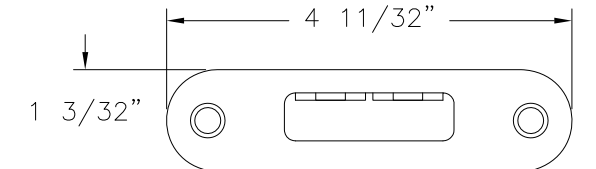
**DOOR BOTTOM-A**  
PVC CO-EX



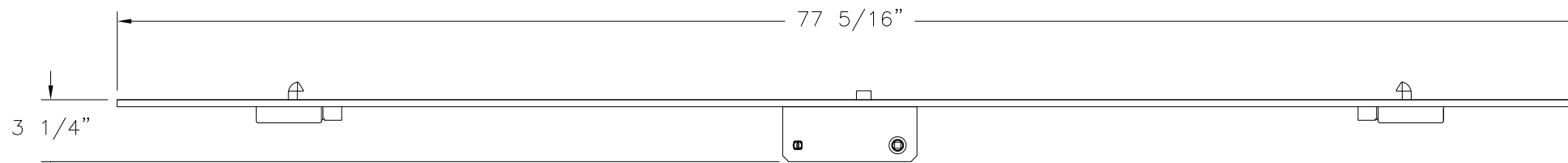
**4" X 4" DOOR HINGE**  
STEEL



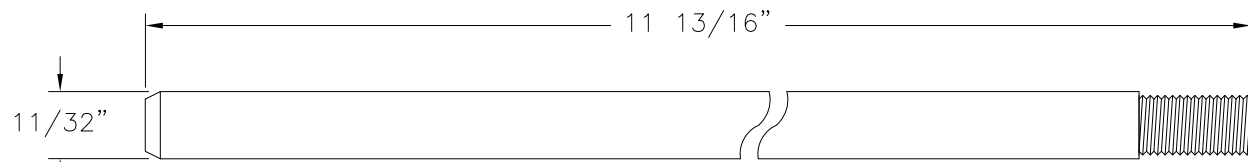
**TOP/BOTTOM BAR KEEPER**  
STAINLESS STEEL (SS92H)  
BY JAM YUAN ENTERPRISES CO., LTD.



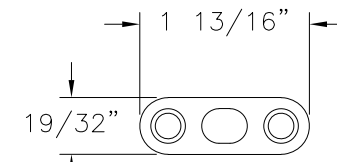
**HOOK KEEPER**  
STAINLESS STEEL (SS92G)  
BY JAM YUAN ENTERPRISES CO., LTD.



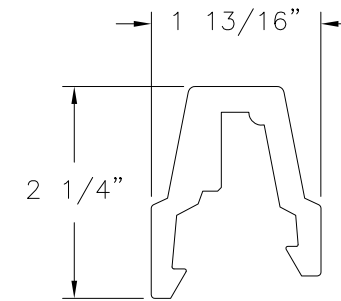
**MULTI-POINT LOCKING SYSTEM**  
STAINLESS STEEL BY JAM YUAN ENTERPRISES CO., LTD.



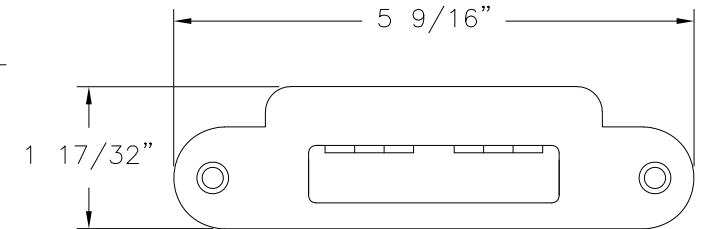
**FLUSH BOLT BAR**  
STAINLESS STEEL (SS93B) BY JAM YUAN ENTERPRISES CO., LTD.



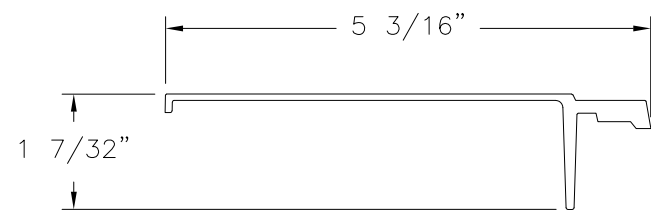
**DRIVE BAR PLATE**  
STAINLESS STEEL  
BY JAM YUAN ENTERPRISES CO., LTD.



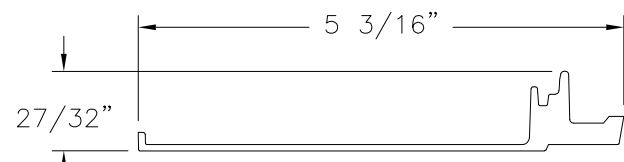
**MULLION COVER (B)**  
FOAM PVC



**SLAB MULTI-POINT LOCK KEEPER**  
STEEL BY JAM YUAN ENTERPRISES CO., LTD.



**SHEET MOLDING COMPOUND SKIN-1**  
FIBERGLASS



**SHEET MOLDING COMPOUND SKIN-2**  
FIBERGLASS

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SLPS PATIO DOOR LITE 6'11" OUT-SWING  
LARGE MISSILE IMPACT  
COMPONENTS

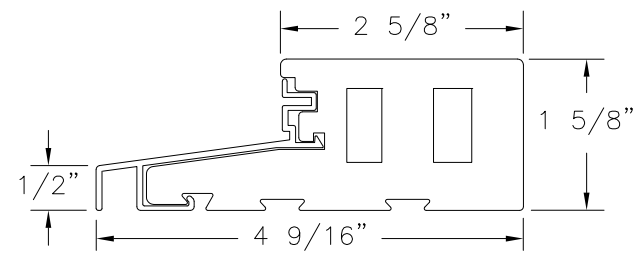
DRAWN: A.R.	DWG NO. 08-03342	REV A
SCALE NTS	DATE 10/29/18	SHEET 13 OF 14

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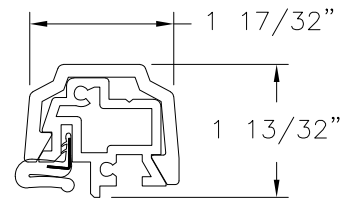


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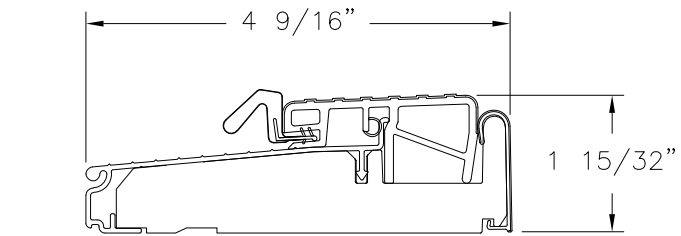
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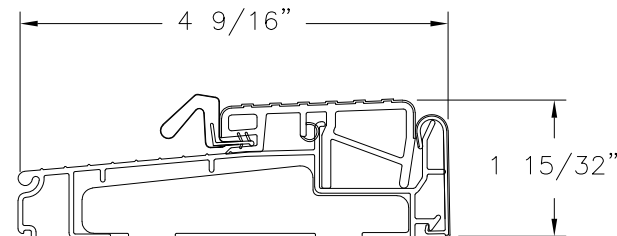
**OUTSWING DOOR SILL DETAIL**



**T-ASTRAGAL  
RIGID PVC**



**OUTSWING THRESHOLD ZOB4565FN  
ALTERNATE**



**OUTSWING THRESHOLD ZOBL4565  
ALTERNATE**

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SLPS PATIO DOOR LITE 6'11" OUT-SWING LARGE MISSILE IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03342	REV A
SCALE NTS	DATE 10/29/18	SHEET 14 OF 14
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