

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED STRIKE AND GLASS DETAILS	01/06/16	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND 2006 IRC WITH STATE OF TEXAS MODIFICATIONS.
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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: COMPOSITE OR WOOD
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM) AND FIBERGLASS .085" THICK(MINIMUM).
6. TRANSOM MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 8 FOR GLASS DETAILS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. 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.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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

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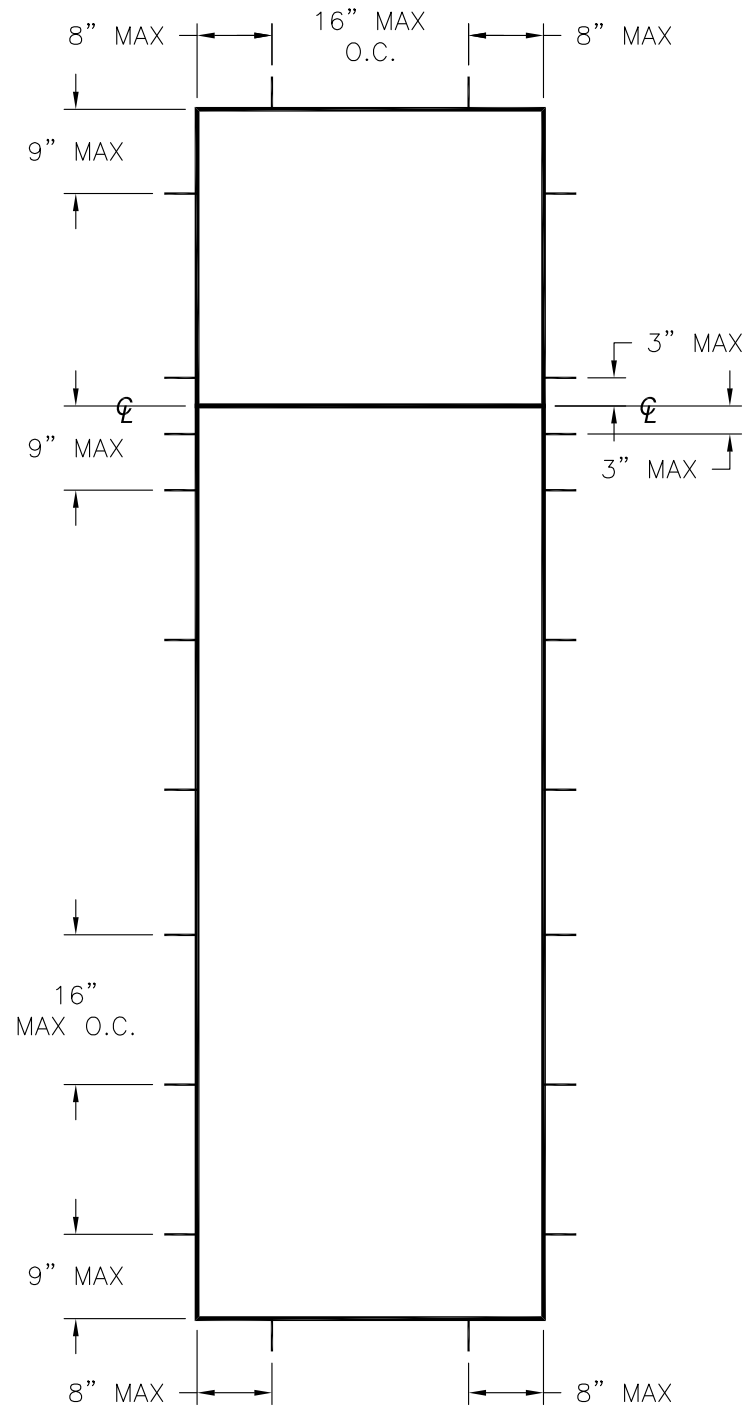
PROVIA DOOR, INC. 2150 STATE ROUTE 39 SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME NOTES		
DRAWN: V.L.	DWG NO. 08-02405	REV A
SCALE NTS	DATE 07/21/14	SHEET 1 OF 8



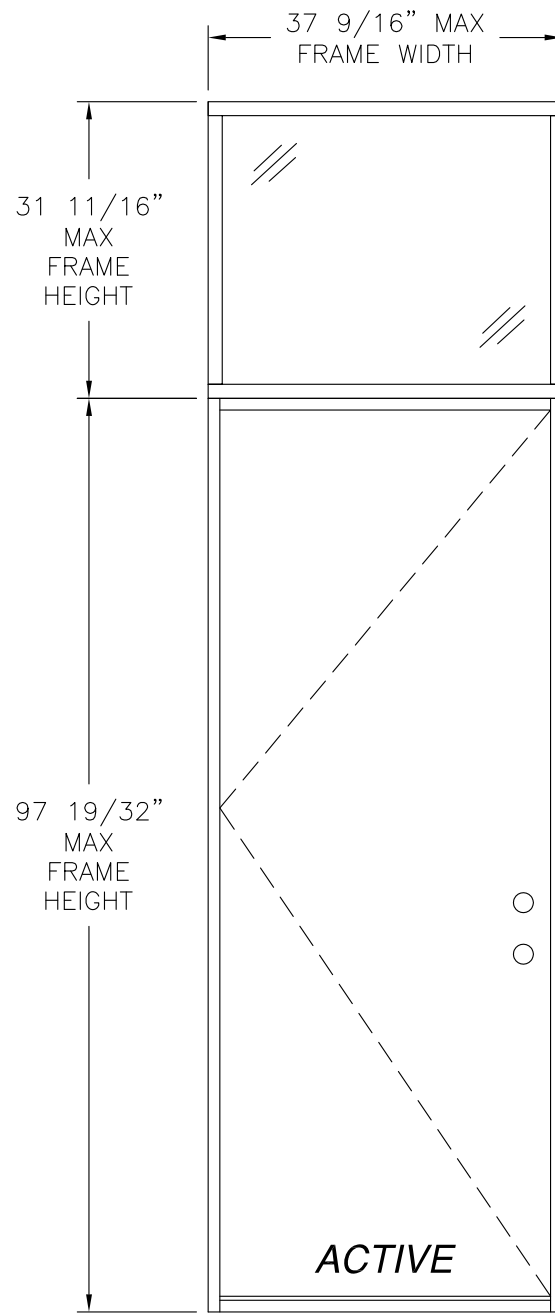
Luis R. Lomas P.E.
TX No.: 101889

HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE.
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE).
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE).
F.	(3) 4" x 4" BALL BEARING HINGES BY PENROD.
G.	(3) 4" x 4" SPRING BOMMER HINGES BY PENROD. (ALTERNATE)

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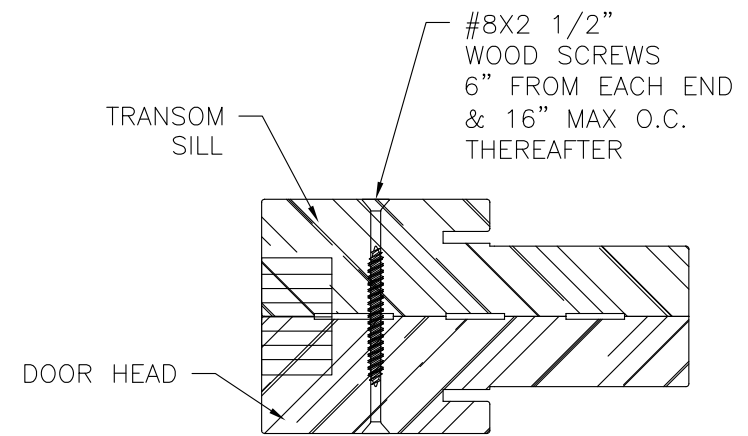
ANCHORING LAYOUT



SINGLE DOOR W/ TRANSOM EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

- D.L.O. NOTES:
 1. MAXIMUM TRANSOM D.L.O. WIDTH: 34 9/16"
 2. MAXIMUM TRANSOM D.L.O. HEIGHT: 28 11/16"



HORIZONTAL MULLION DETAIL

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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME ELEVATION, ANCHORING & MULLION DETAIL

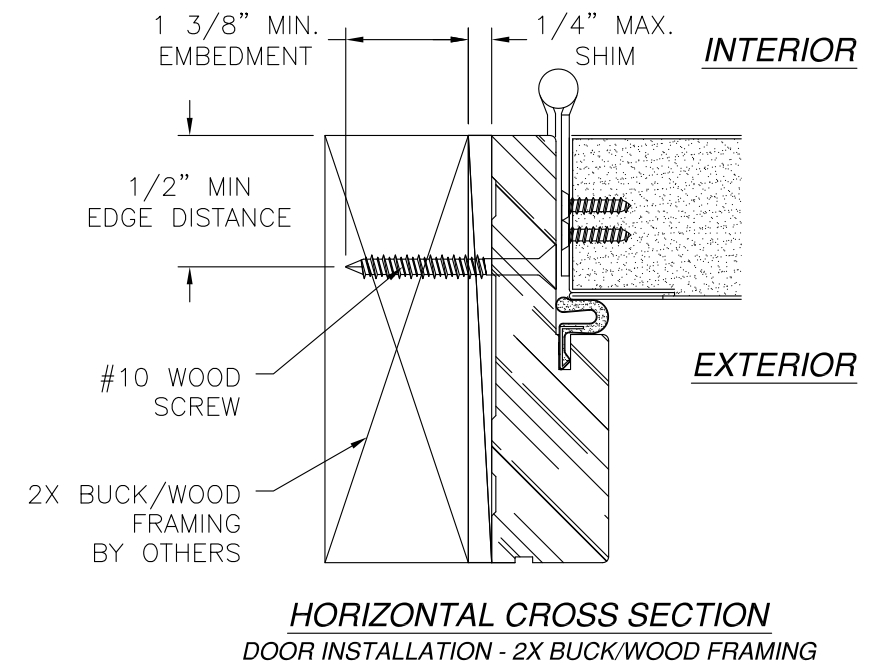
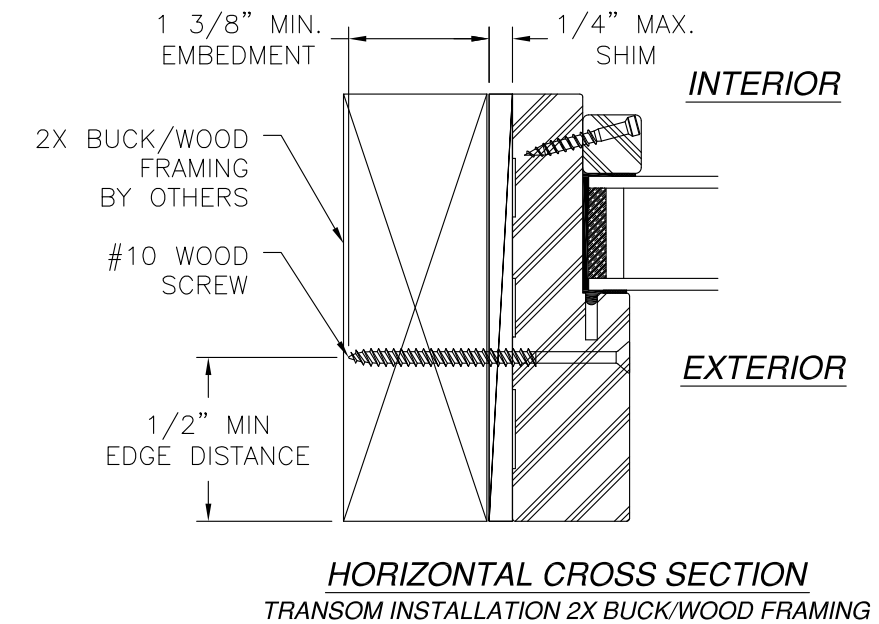
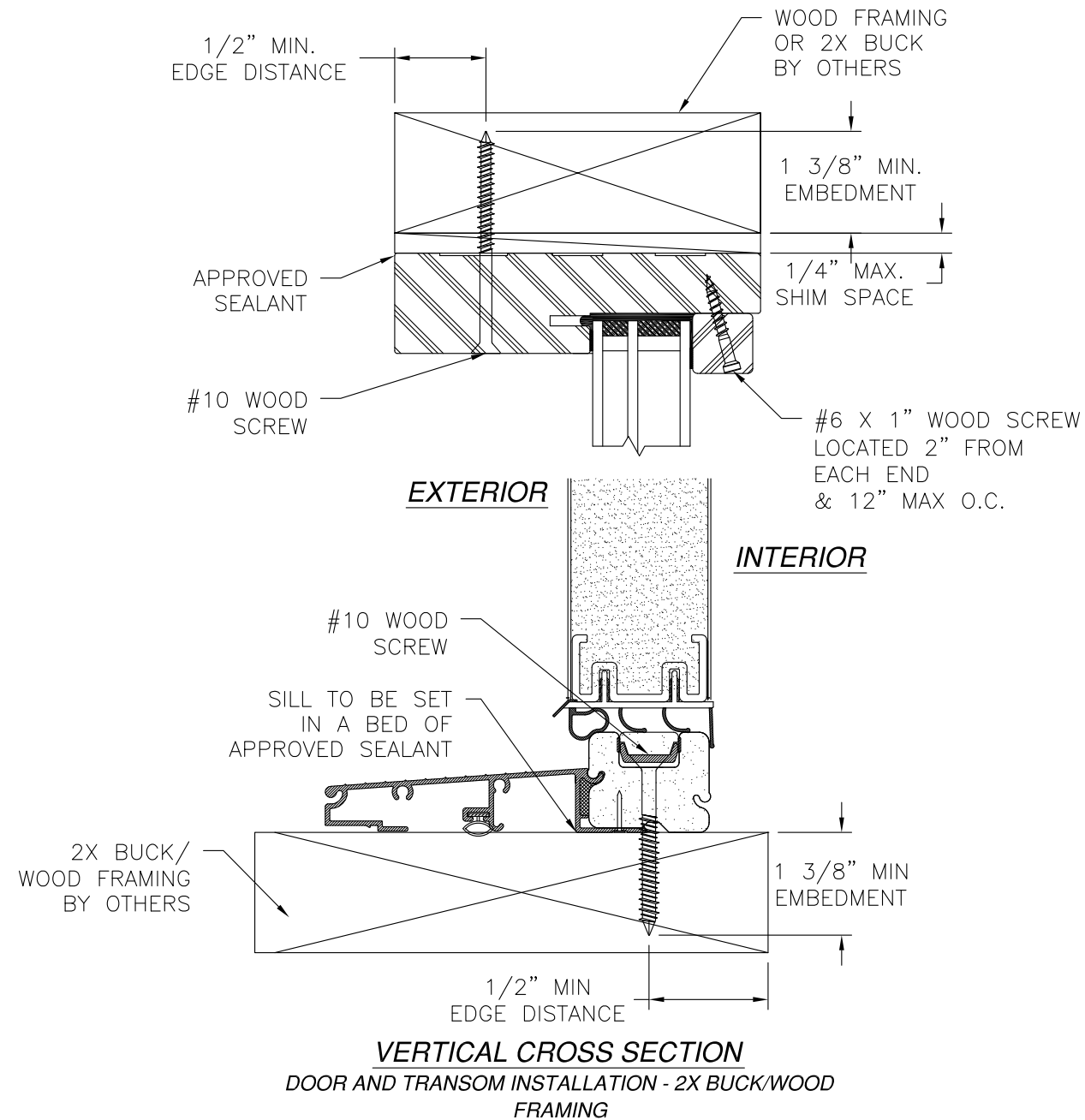
DRAWN: V.L.	DWG NO. 08-02405	REV A
SCALE NTS	DATE 07/21/14	SHEET 2 OF 8

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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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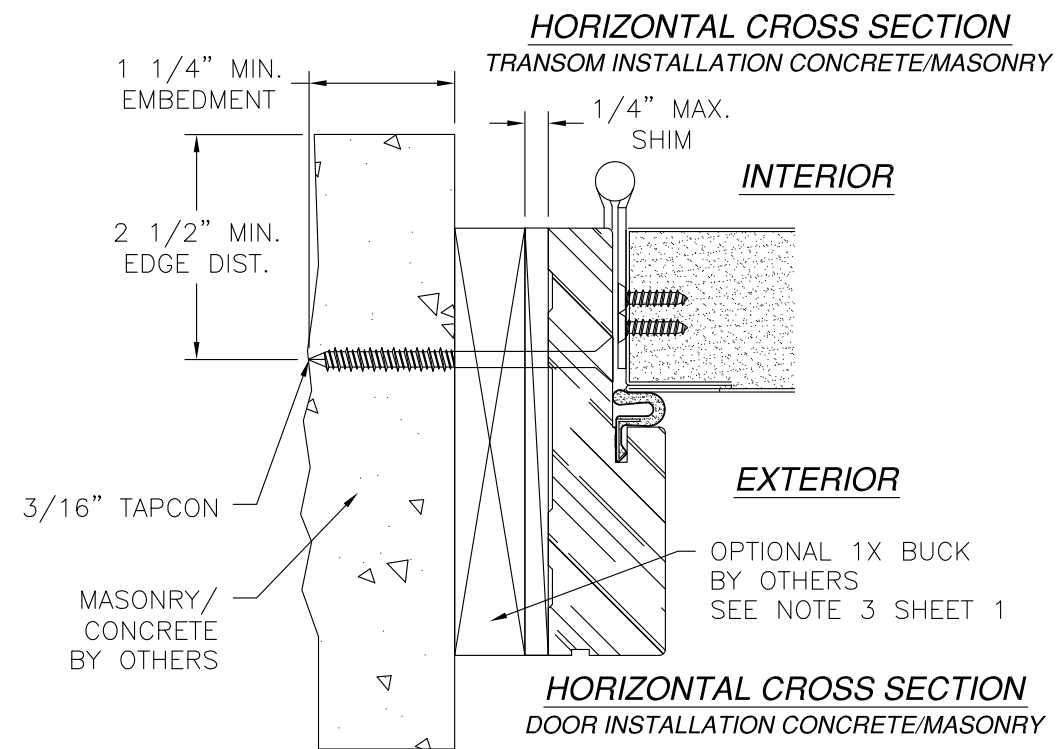
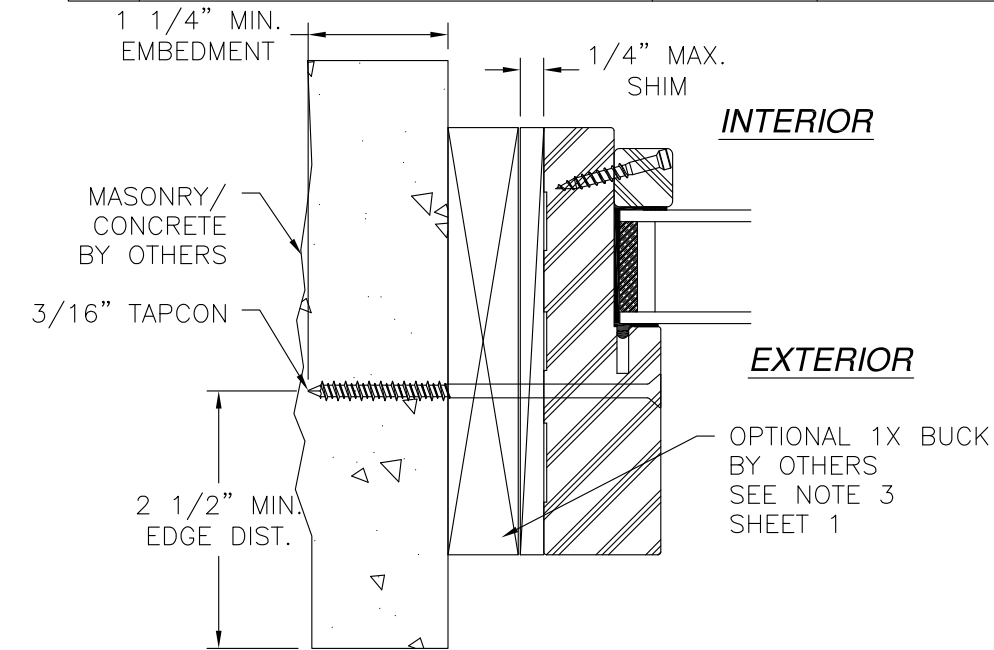
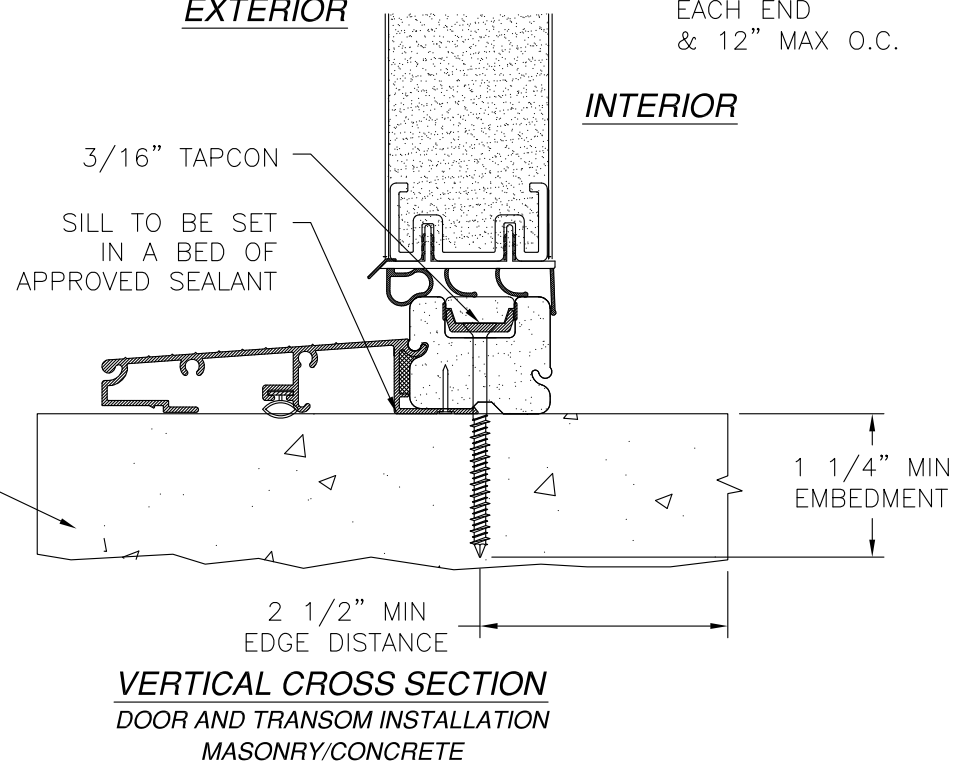
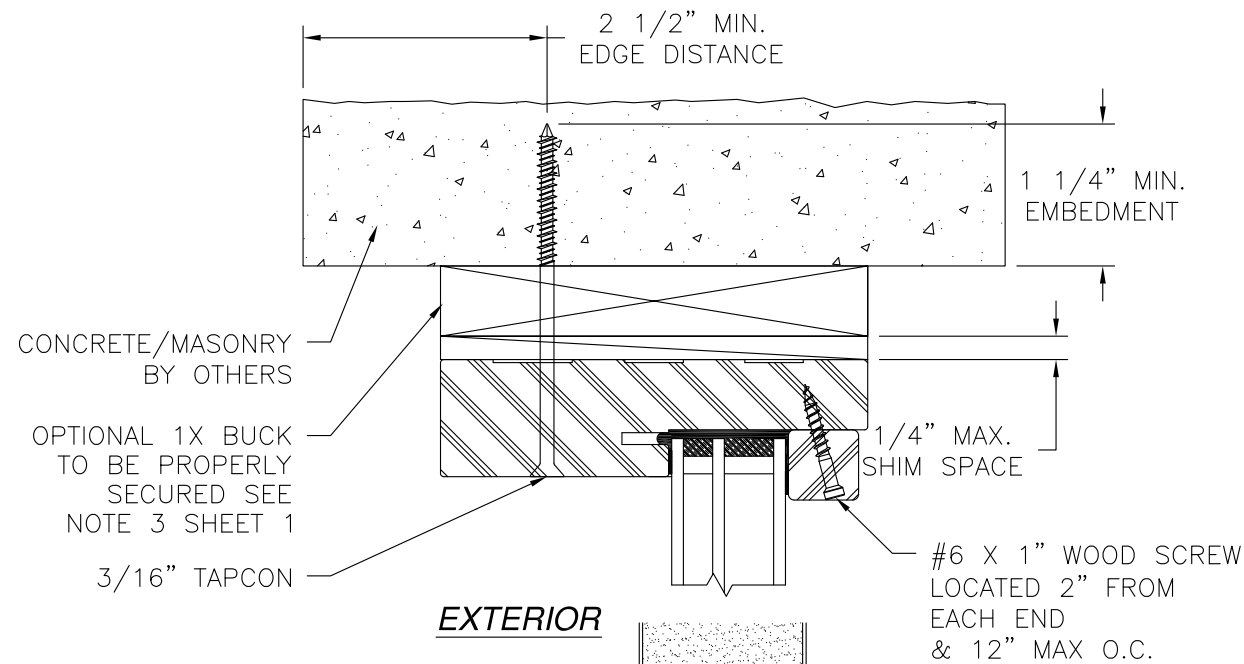
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME
INSTALLATION DETAILS

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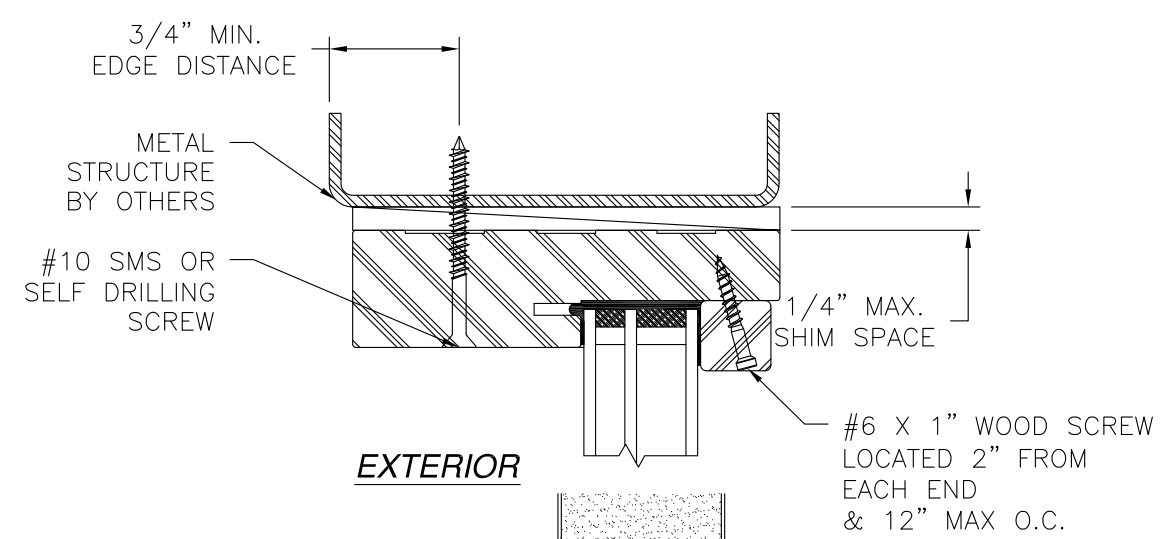
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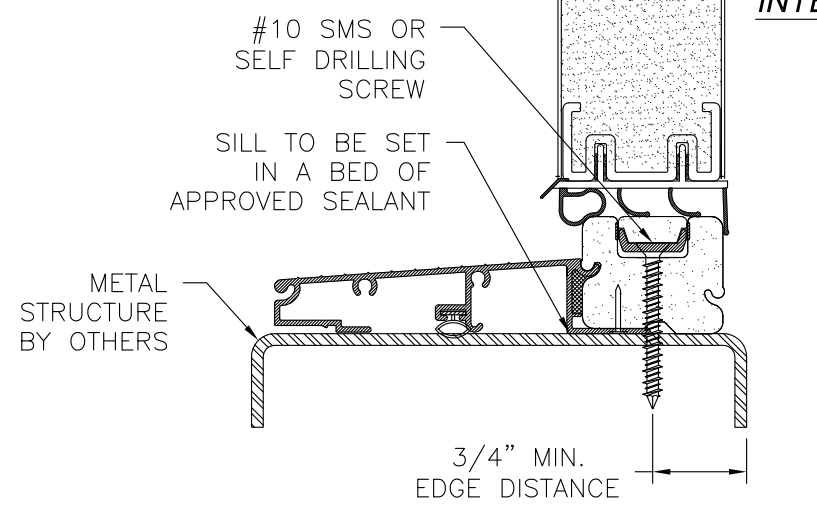
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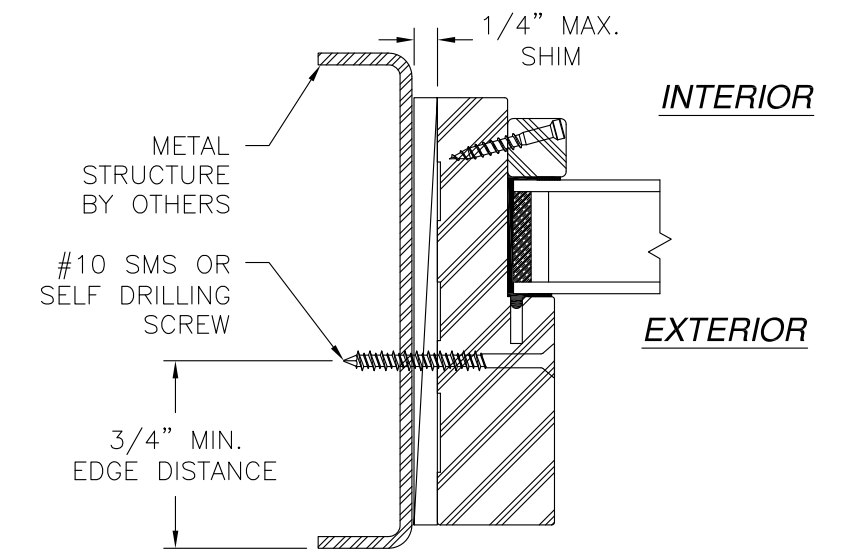


EXTERIOR

INTERIOR



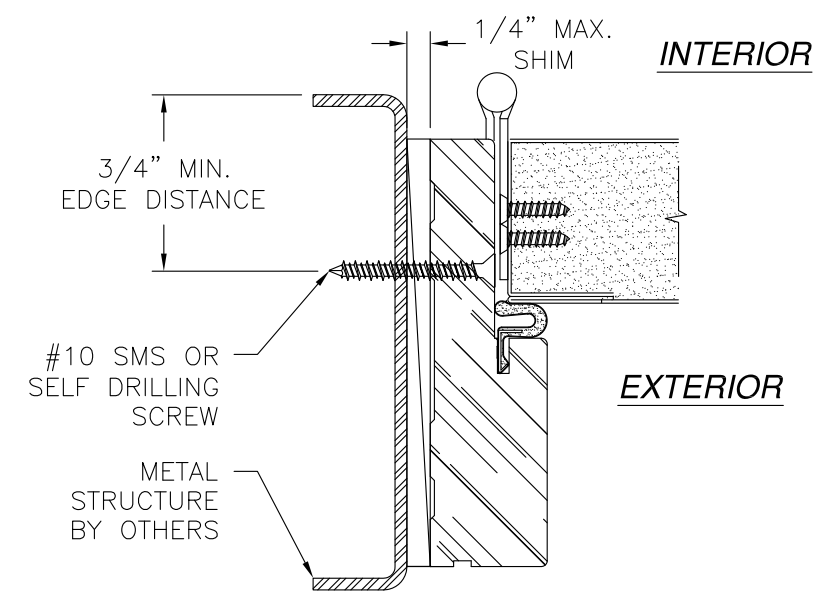
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION
TRANSOM INSTALLATION METAL STRUCTURE



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

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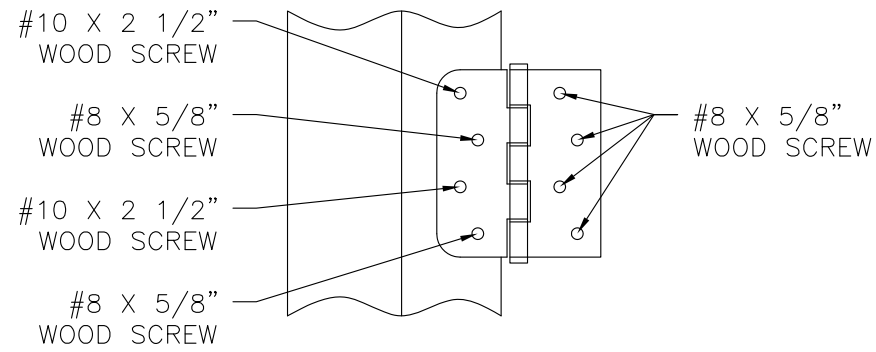
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
 W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME
 INSTALLATION DETAILS

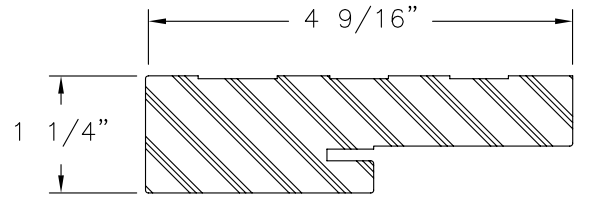
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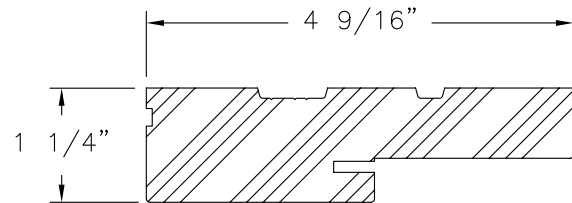
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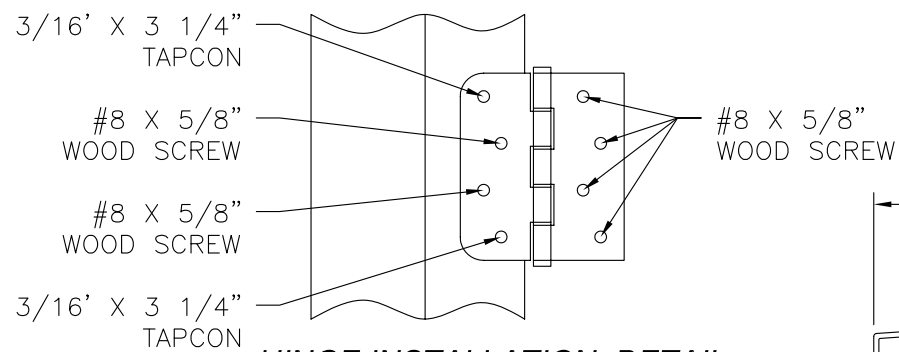
HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



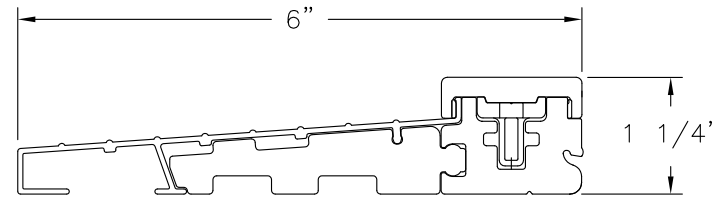
COMPOSITE FRAME PROFILE



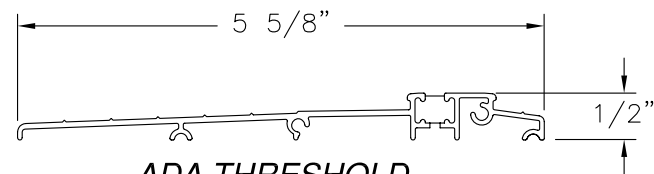
WOOD FRAME PROFILE



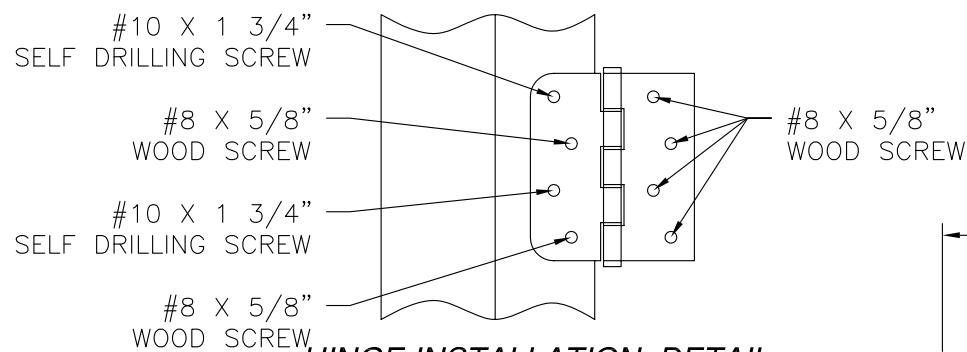
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



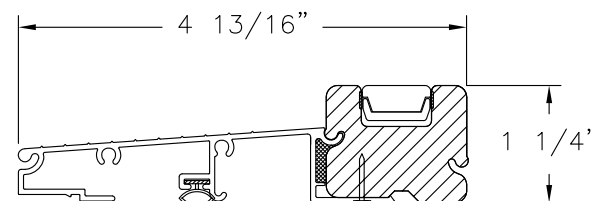
STANDARD INSWING THRESHOLD



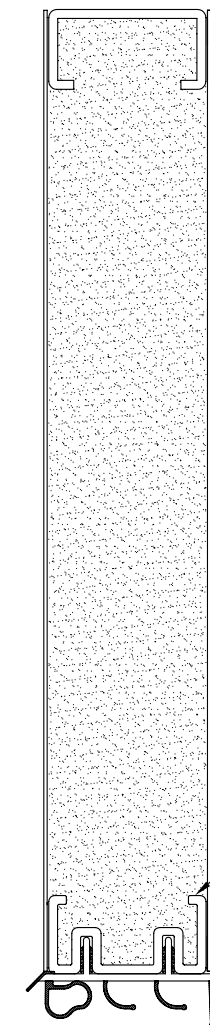
ADA THRESHOLD



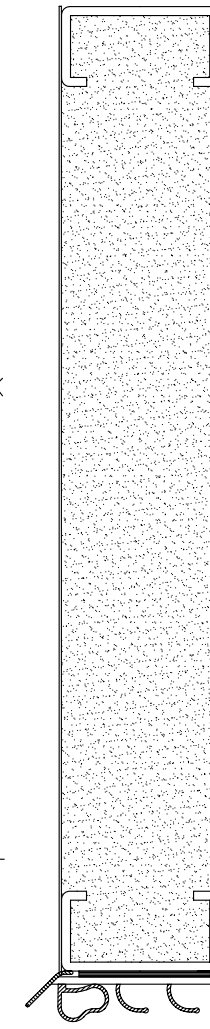
HINGE INSTALLATION DETAIL
METAL STRUCTURE



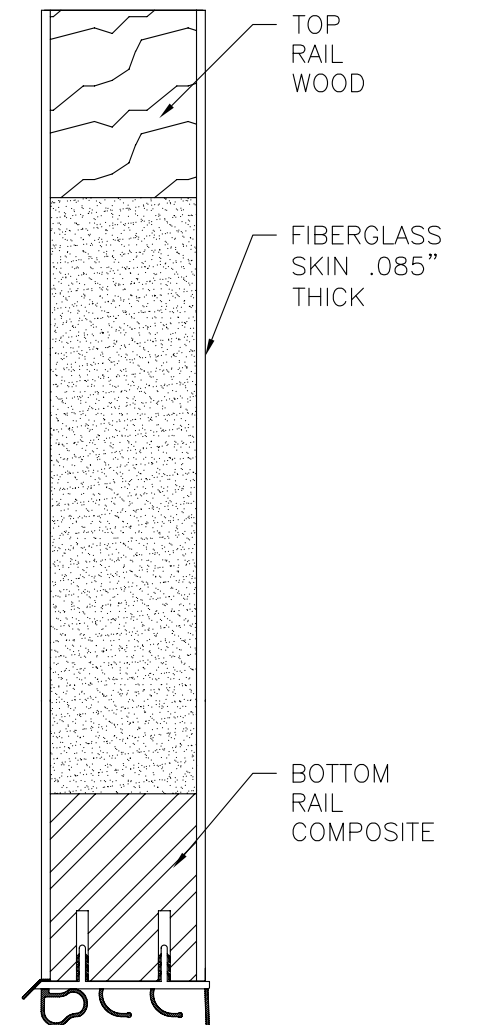
SAHARA INSWING THRESHOLD



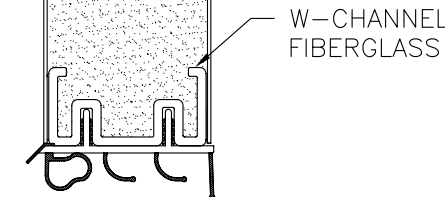
20GA STEEL



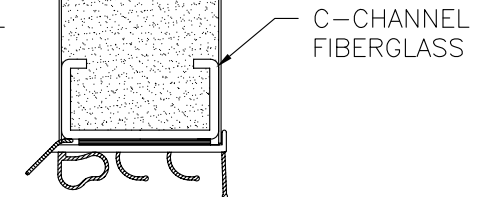
20GA STEEL



FIBERGLASS



W-CHANNEL FIBERGLASS



C-CHANNEL FIBERGLASS

APPROVED SLABS

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INSTALLATION DETAILS & COMPONENTS

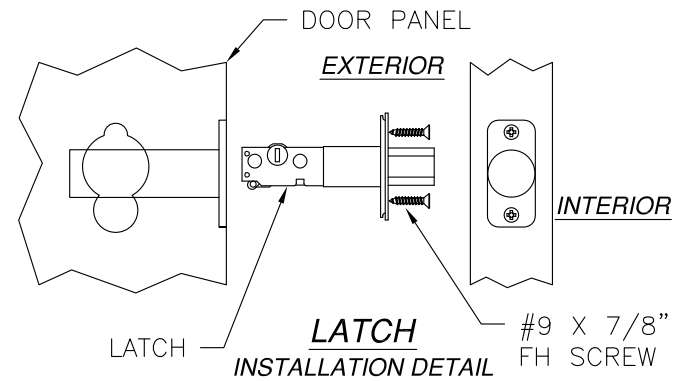
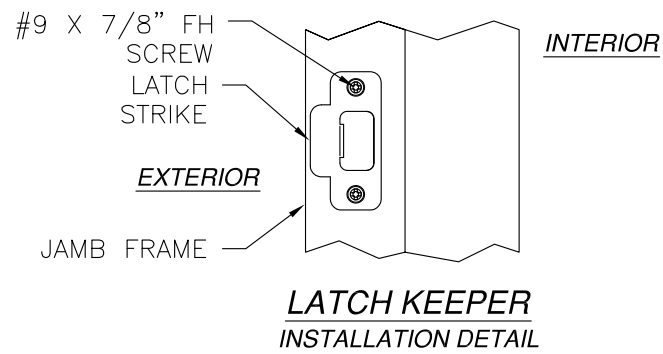
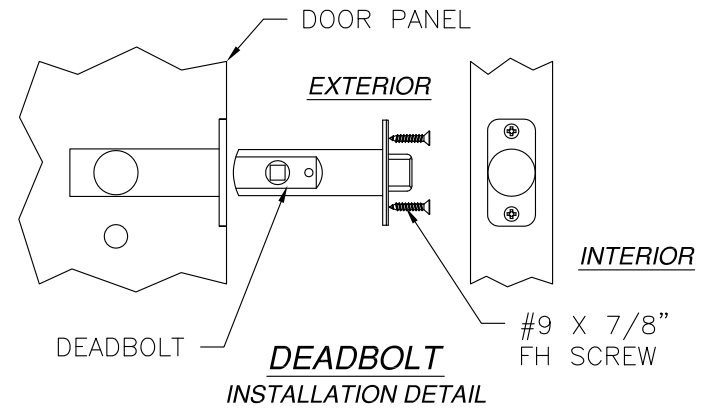
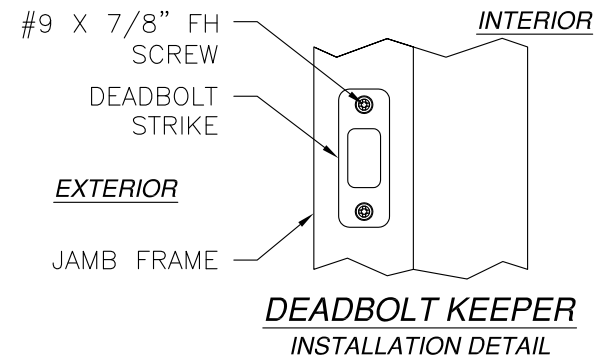
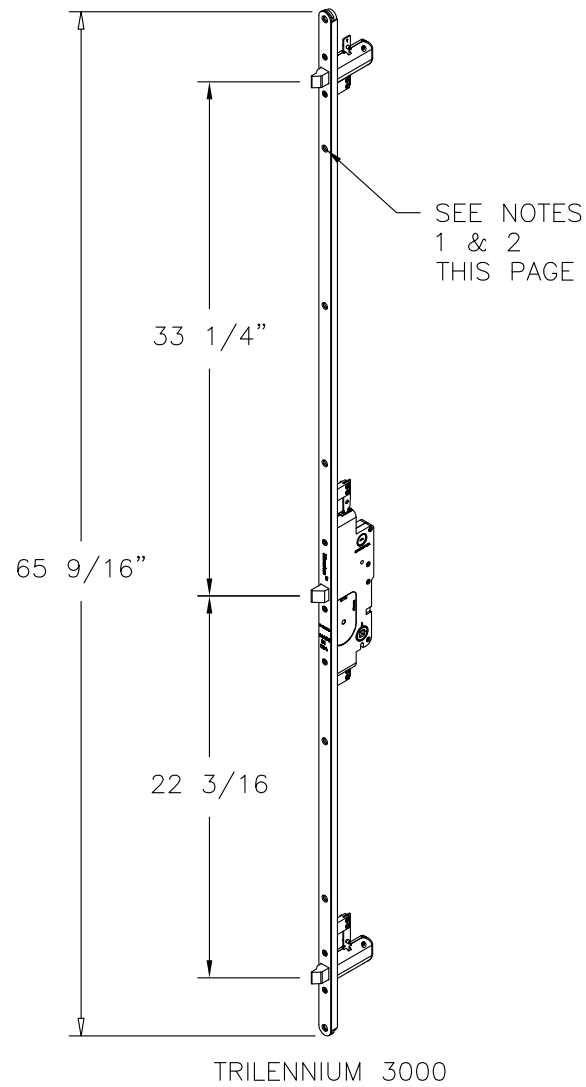
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- NOTES:
- MULTIPOINT LOCK TO BE ATTACHED TO DOOR STILE USING (7) #10 X 1" FH WOOD SCREWS LOCATED IN PRE-DRILLED HOLES.
 - MULTIPOINT LOCK STRIKE PLATES TO BE ATTACHED TO JAMBS OR DOOR PANELS USING (2) #10 X 1" FH WOOD SCREWS & (1) #10 X 2 1/2" FH WOOD SCREW AT EACH LOCK LOCATION.

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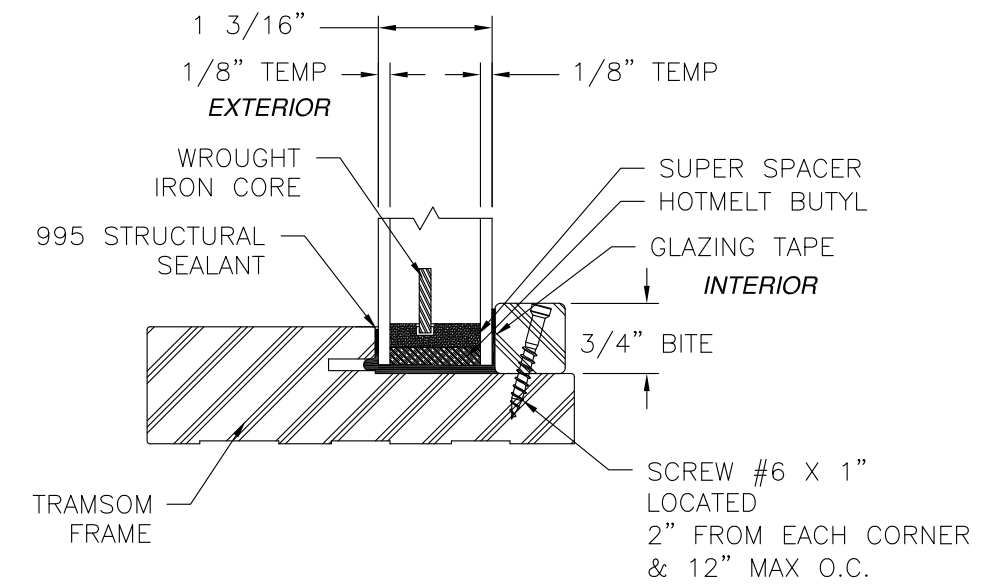
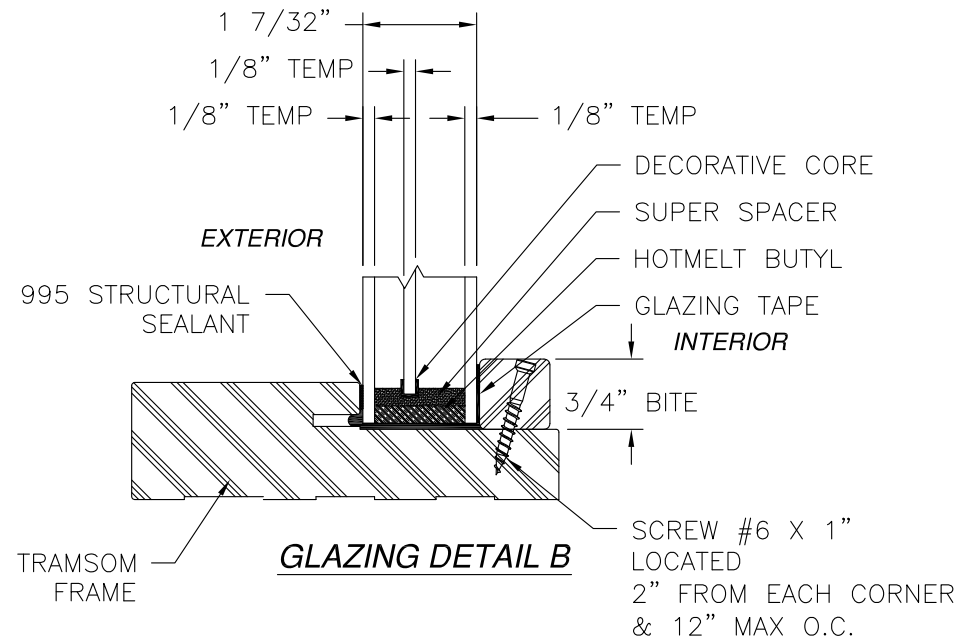
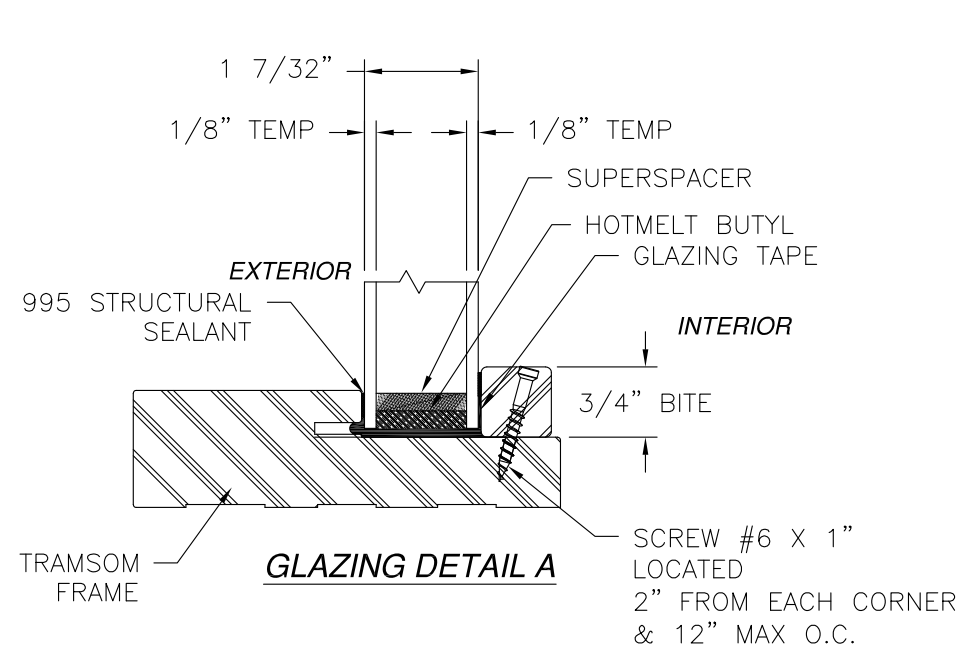
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