

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), FIBERGLASS .085" THICK (MINIMUM)  
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
6. UNITS 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.
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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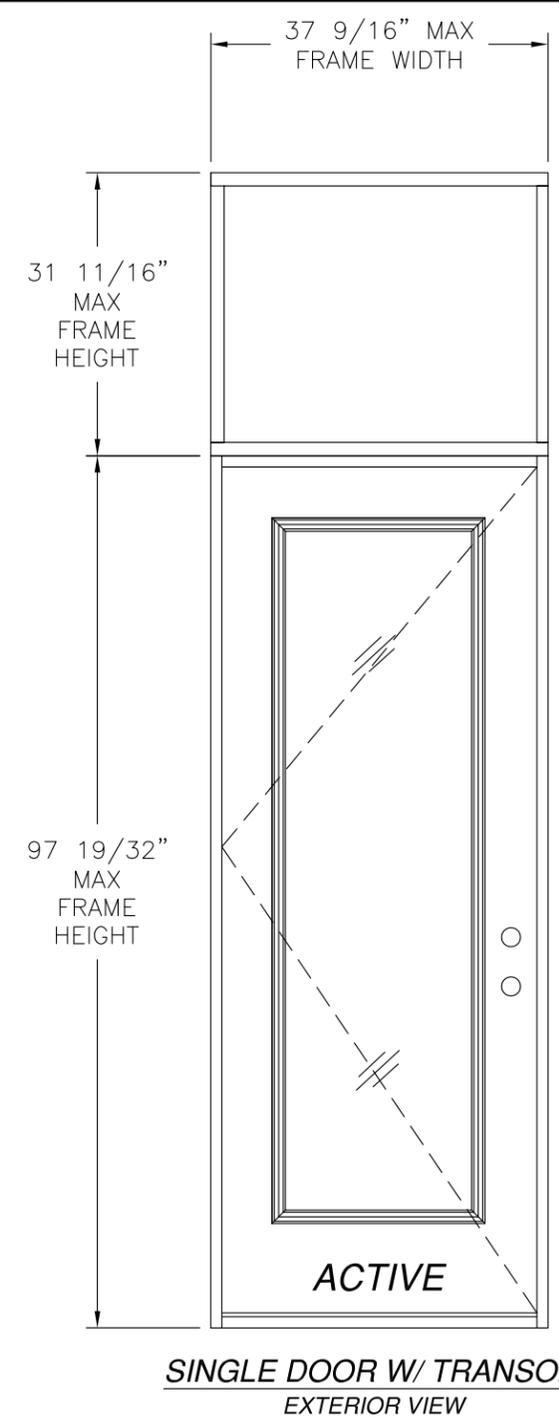
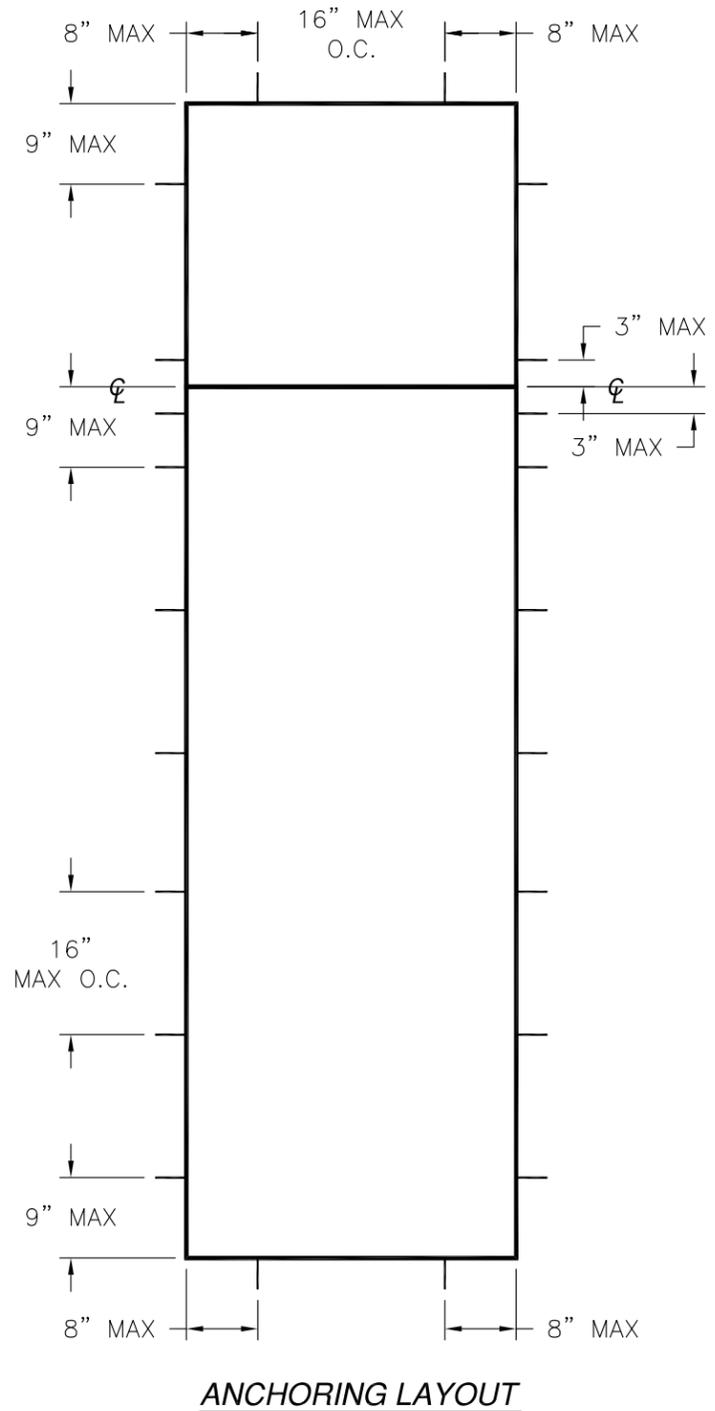
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PROVIA DOOR, INC. 2150 STATE ROUTE 39 SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME NOTES		
DRAWN: V.L.	DWG NO. 08-02398	REV A
SCALE NTS	DATE 07/21/14	SHEET 1 OF 8



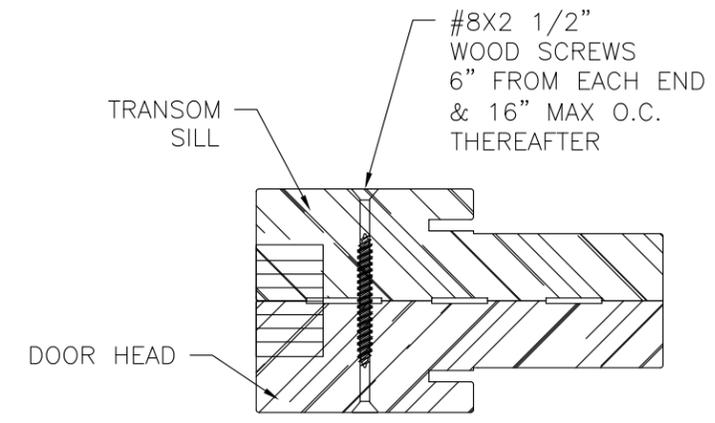
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TX No.: 101889

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)



DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

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- D.L.O. NOTES:**
1. MAXIMUM DOOR D.L.O.: 20 3/8" X 78 1/2"
  2. MAXIMUM TRANSOM D.L.O.: 34 9/16" X 28 11/16"

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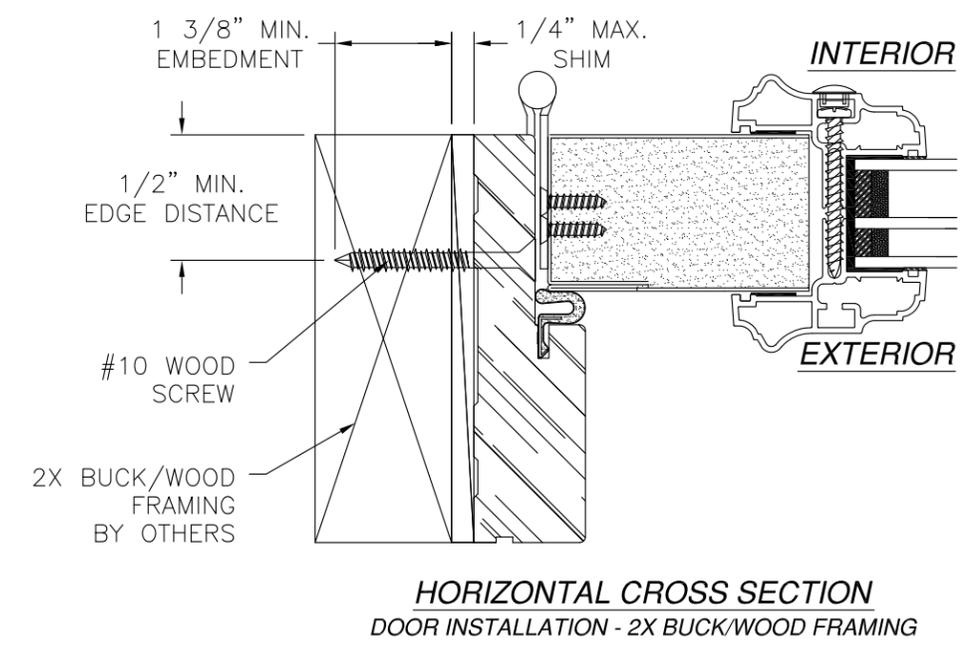
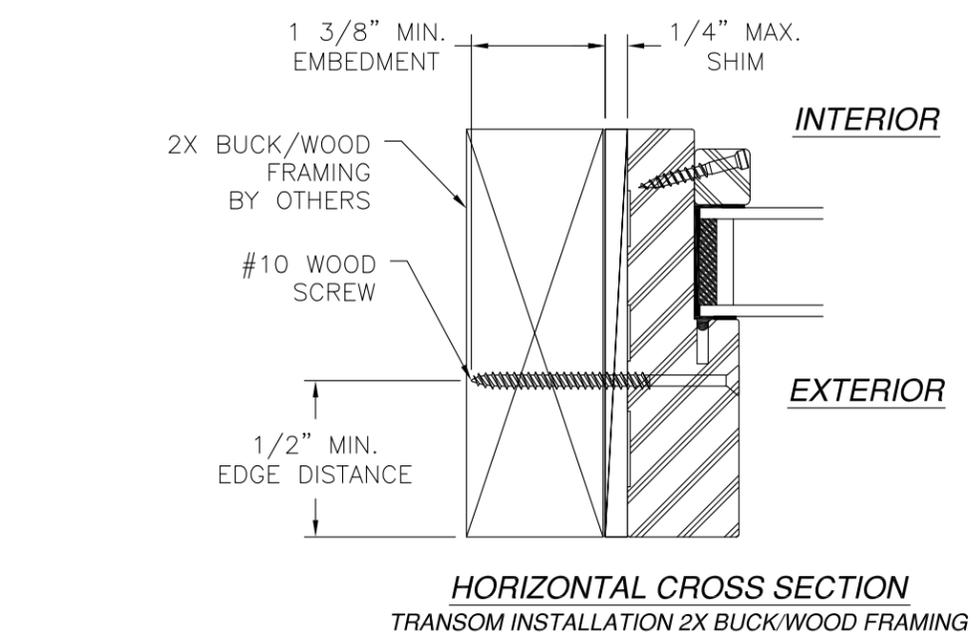
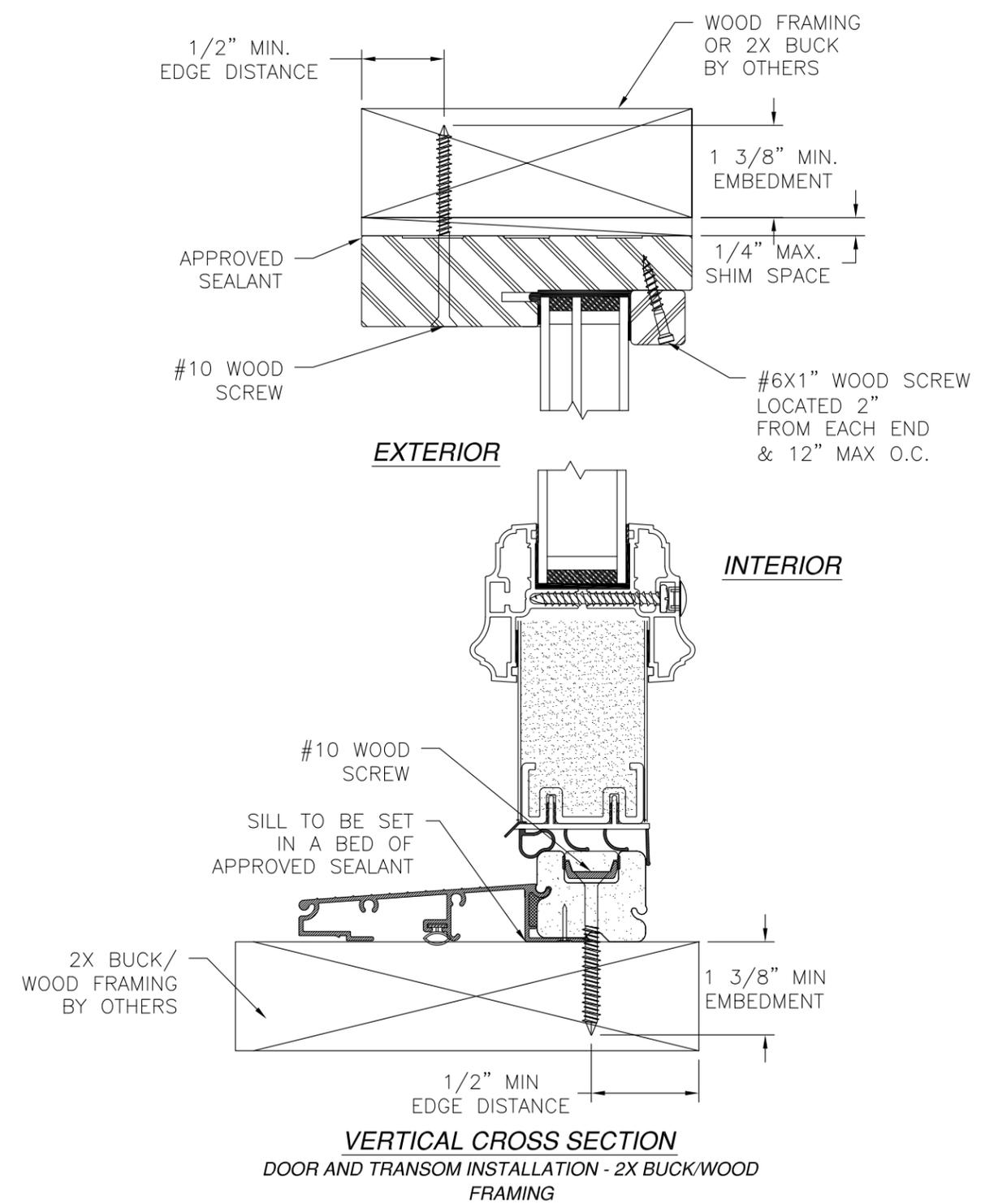
**PROVIA DOOR, INC.**  
2150 STATE ROUTE 39  
SUGARCREEK, OH 44681

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

DRAWN: V.L.	DWG NO. 08-02398	REV A
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**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

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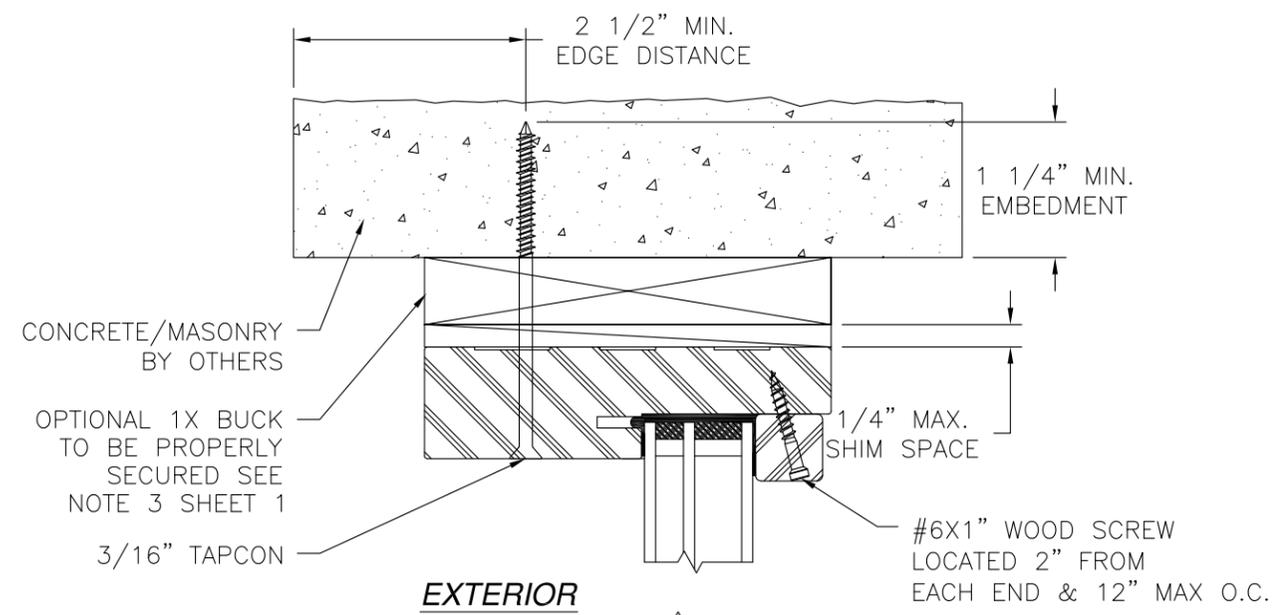
PROVIA DOOR, INC.  
 2150 STATE ROUTE 39  
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STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR  
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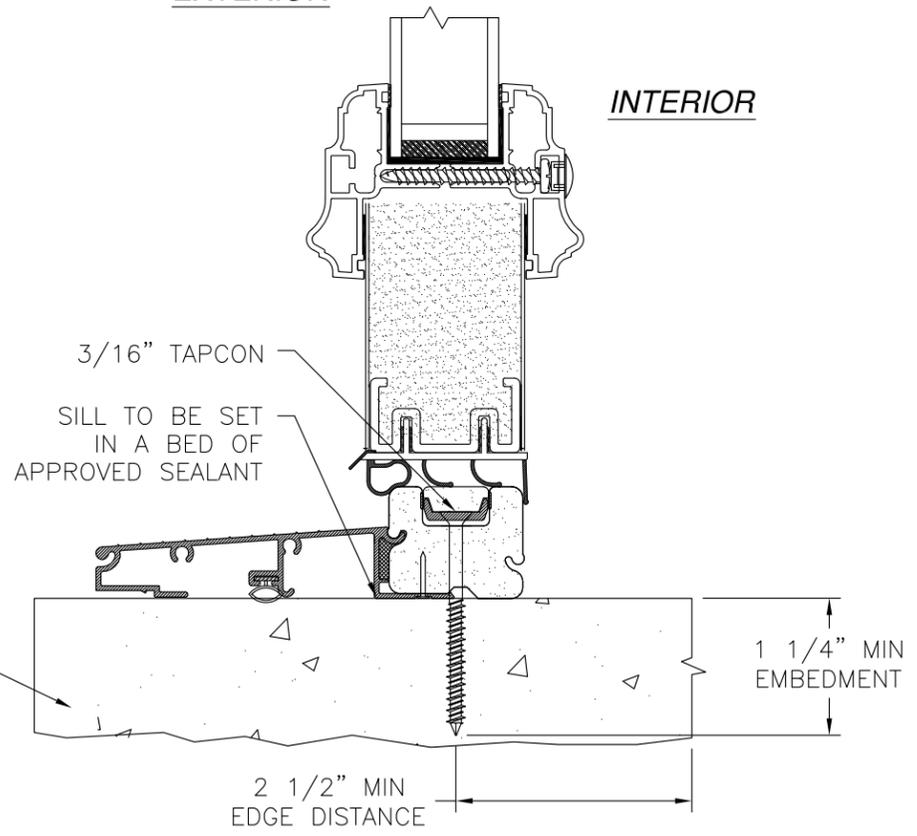
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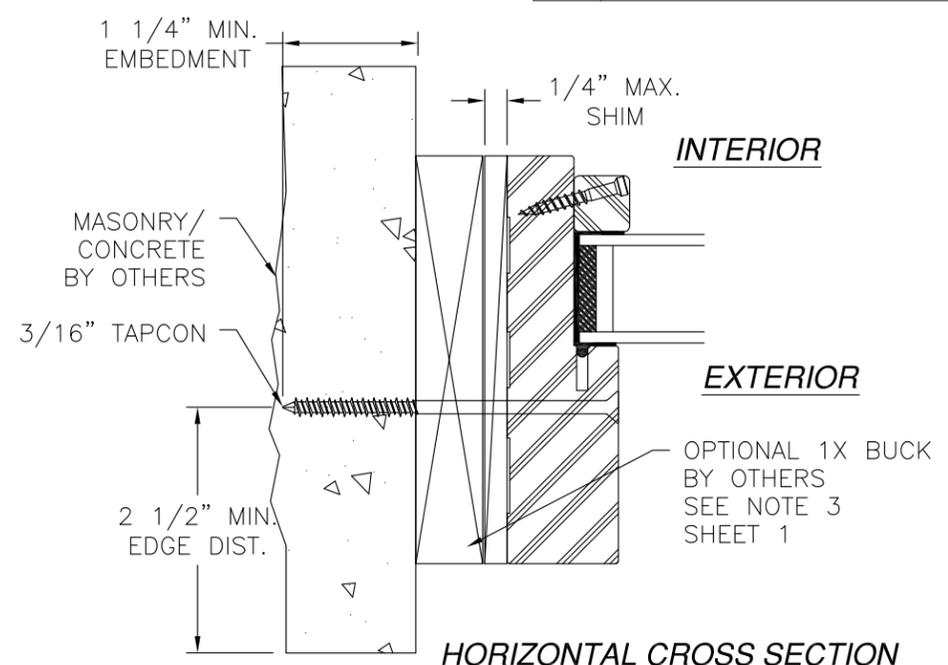
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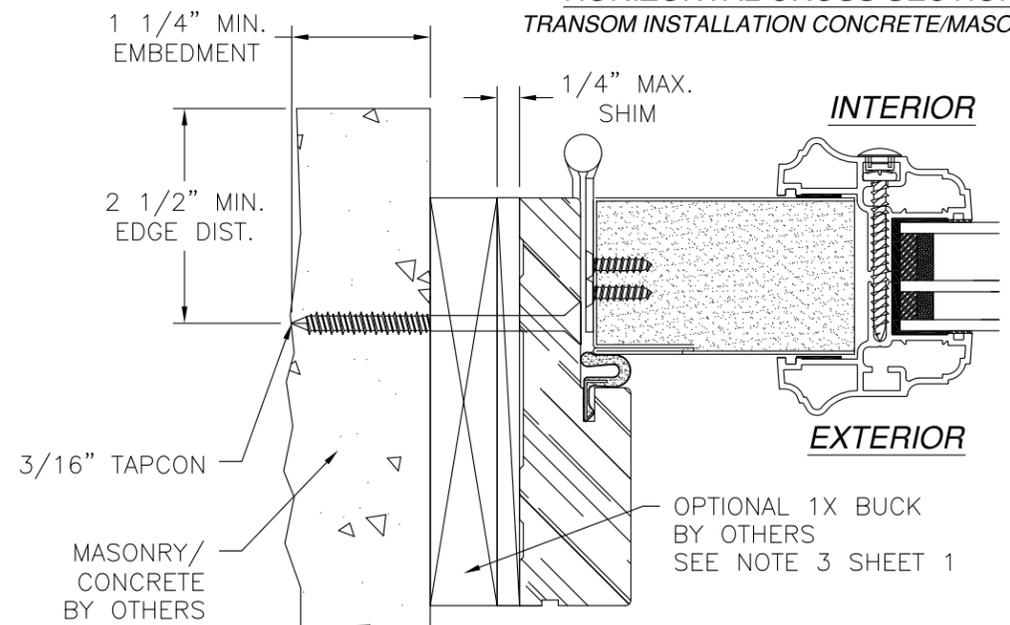


**VERTICAL CROSS SECTION  
DOOR AND TRANSOM INSTALLATION  
MASONRY/CONCRETE**

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**HORIZONTAL CROSS SECTION  
TRANSOM INSTALLATION CONCRETE/MASONRY**



**HORIZONTAL CROSS SECTION  
DOOR INSTALLATION CONCRETE/MASONRY**

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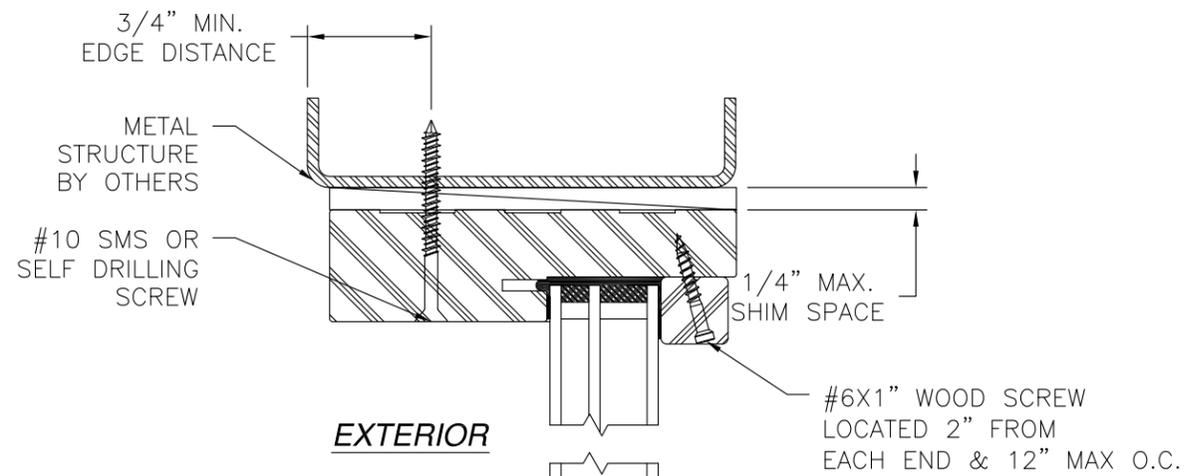
**PROVIA DOOR, INC.**  
 2150 STATE ROUTE 39  
 SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR  
 W/TRANSOM NON-IMPACT COMPOSITE/WOOD FRAME  
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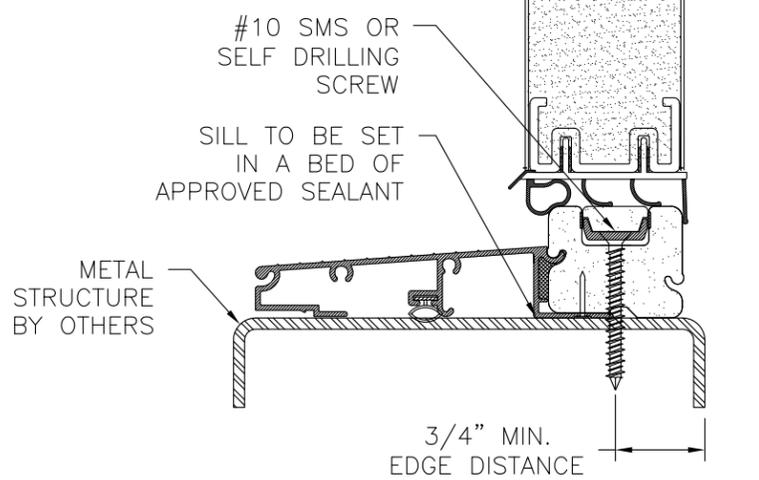
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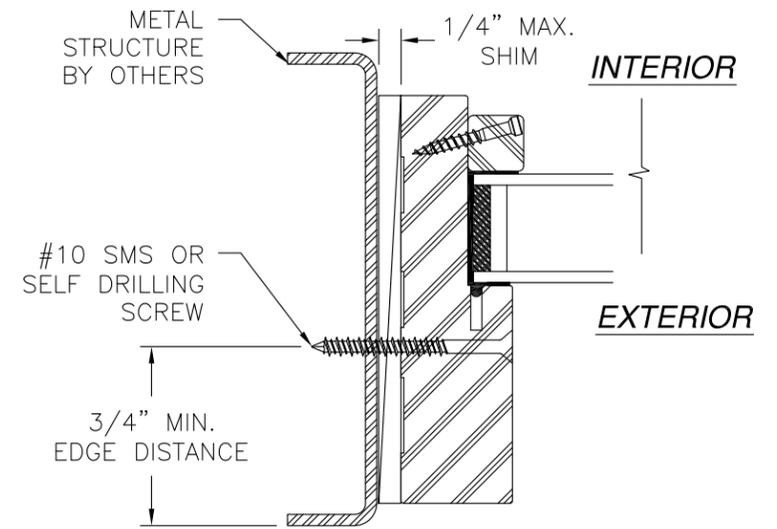


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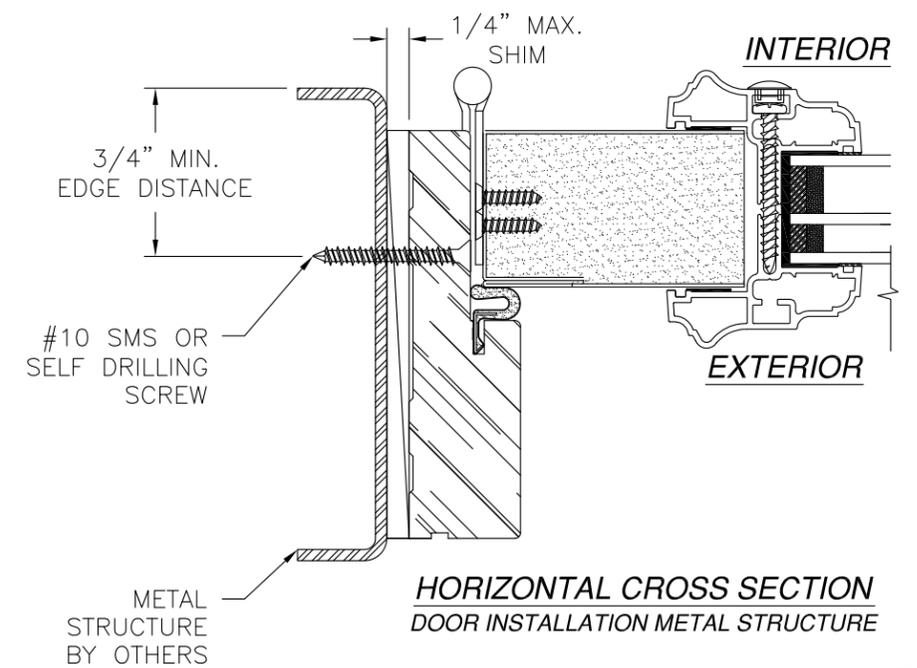
**INTERIOR**



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



**HORIZONTAL CROSS SECTION**  
 TRANSOM INSTALLATION METAL STRUCTURE



**HORIZONTAL CROSS SECTION**  
 DOOR INSTALLATION METAL STRUCTURE

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- NOTES:  
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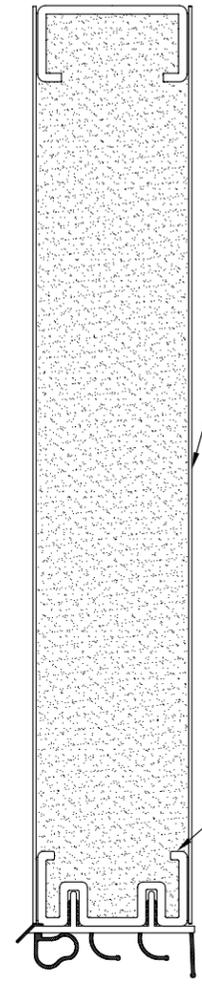
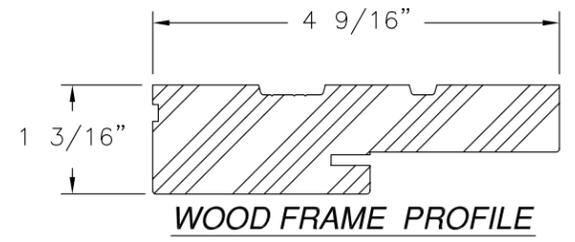
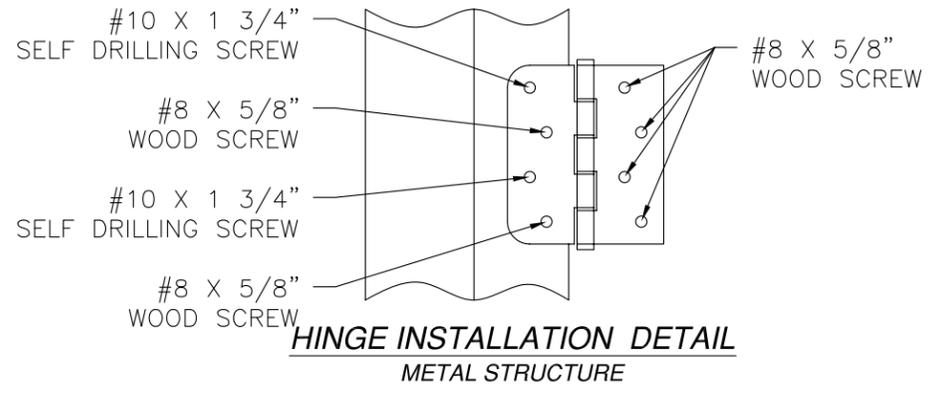
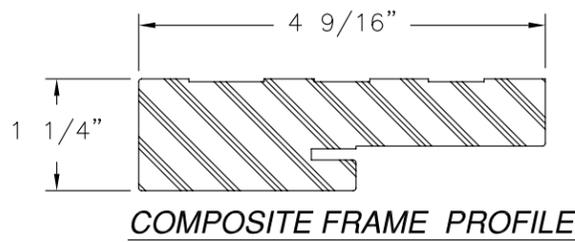
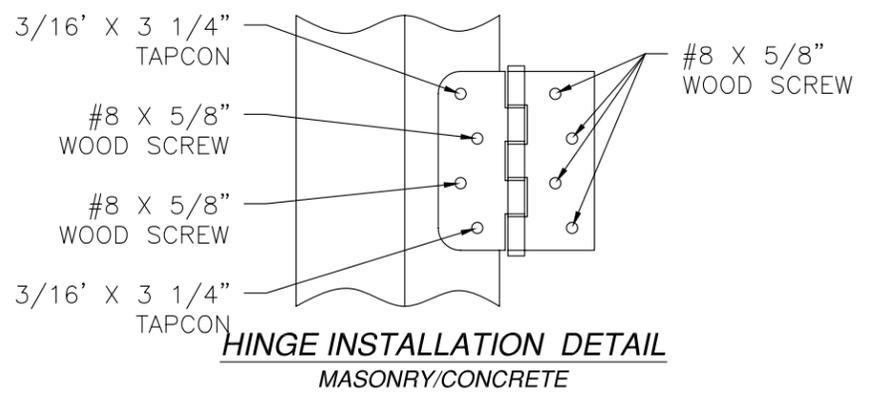
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SCALE NTS DATE 07/21/14 SHEET 5 OF 8

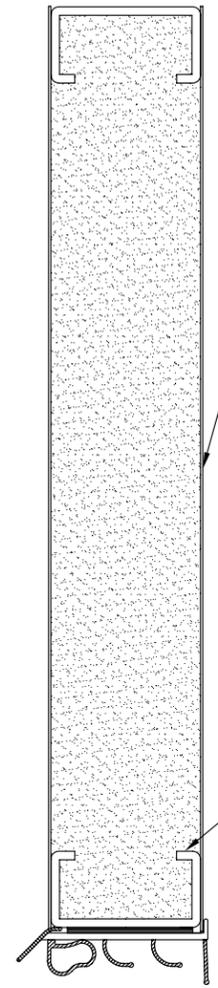


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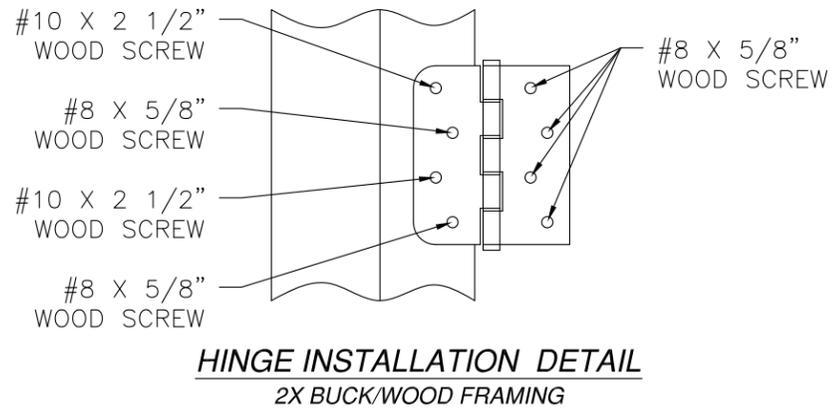
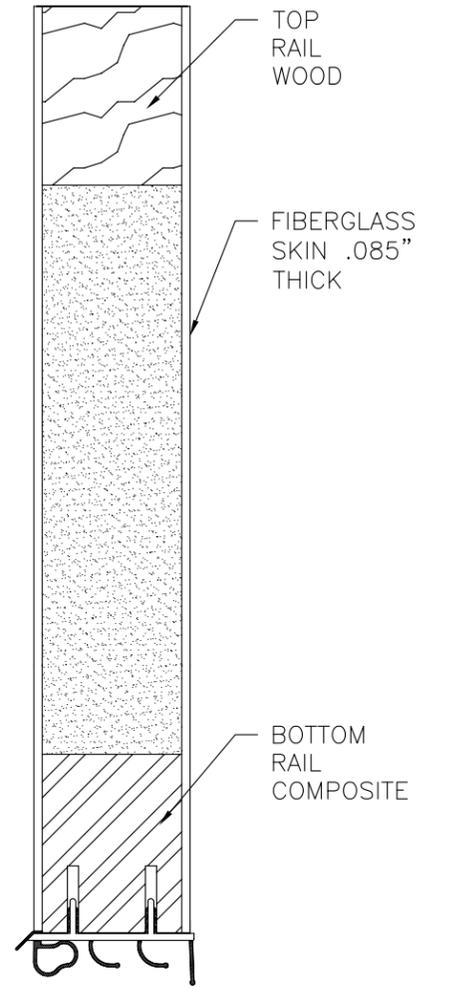
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STEEL SKIN  
.033" THICK



STEEL SKIN  
.033" THICK

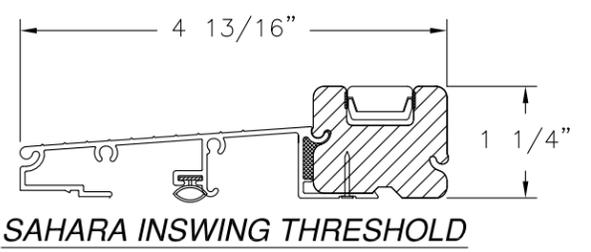
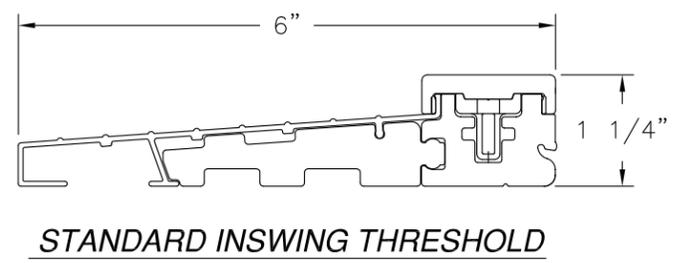
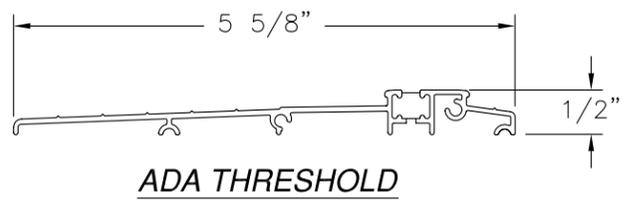


**20GA STEEL**

**20GA STEEL**

**FIBERGLASS**

**APPROVED SLABS**



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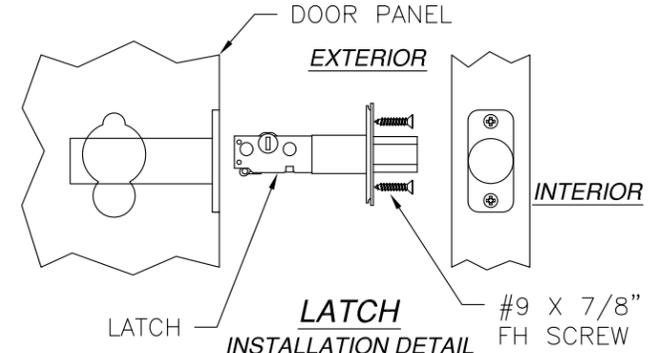
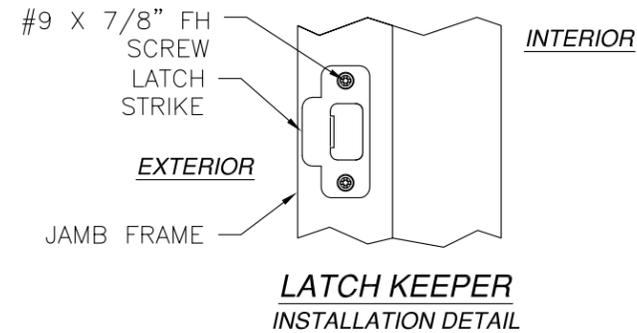
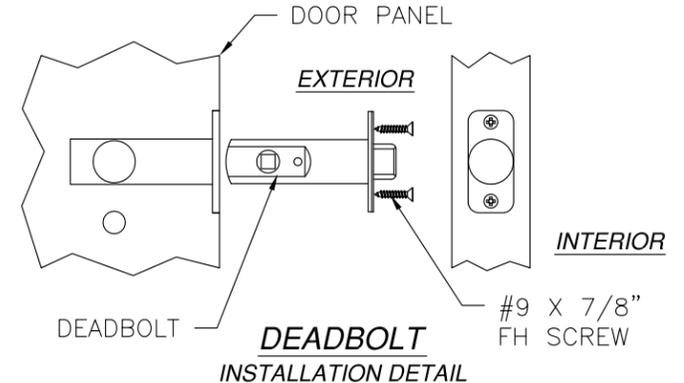
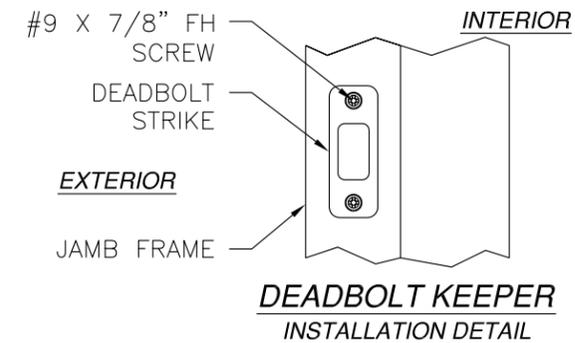
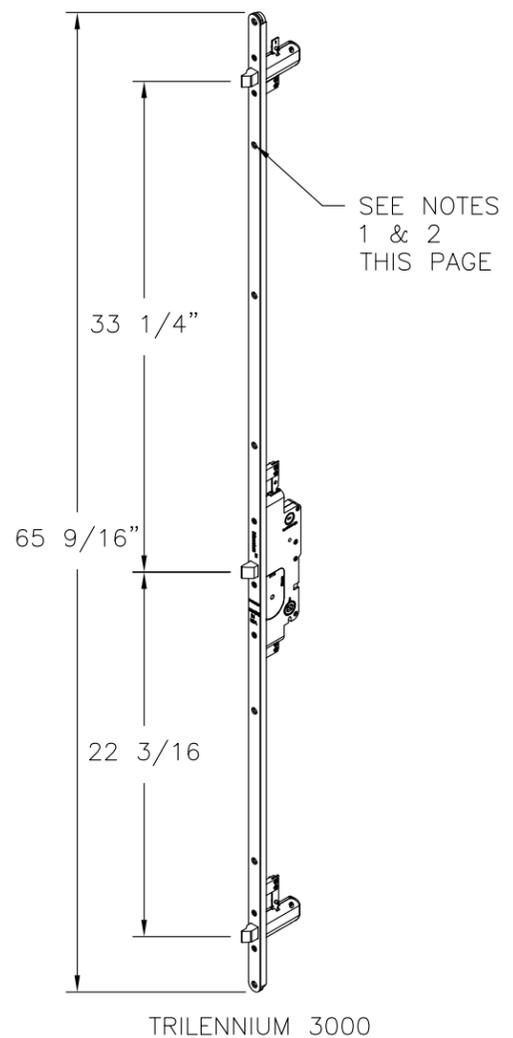
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STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR  
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- NOTES:
- MULTIPOINT LOCK TO BE ATTACHED TO DOOR STILE USING (7) #10 X 1" FH WOOD SCREWS LOCATED IN PRE-DRILLED HOLES.
  - MULTIPOINT LOCK STRIKE PLATES 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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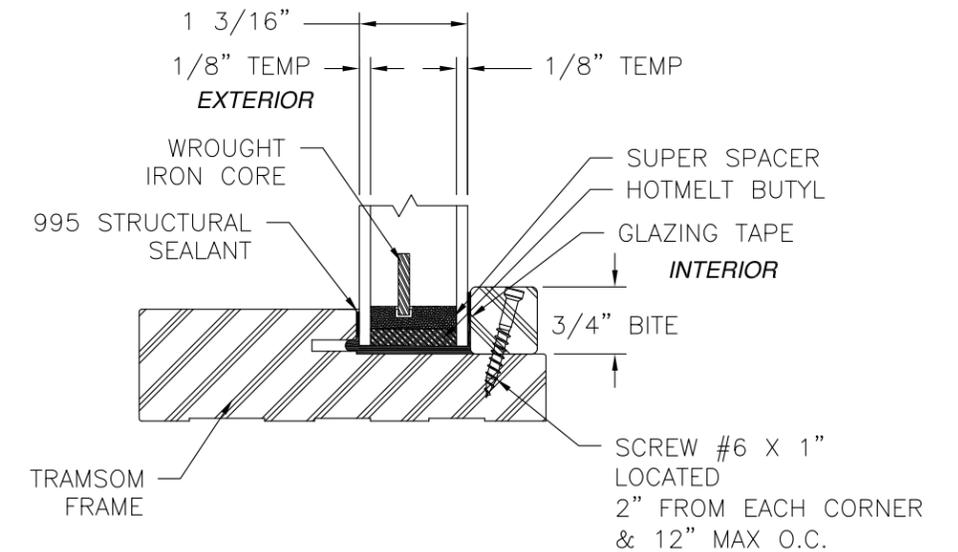
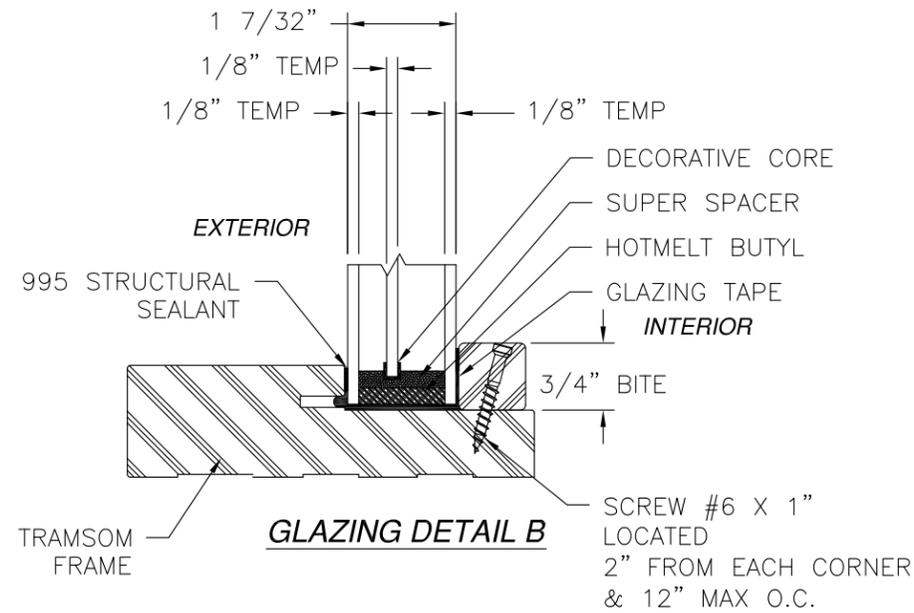
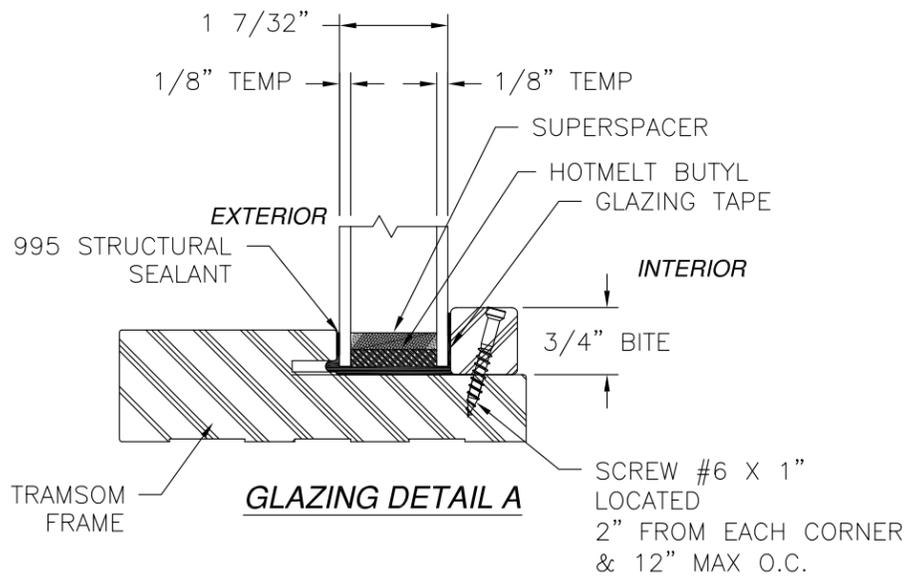
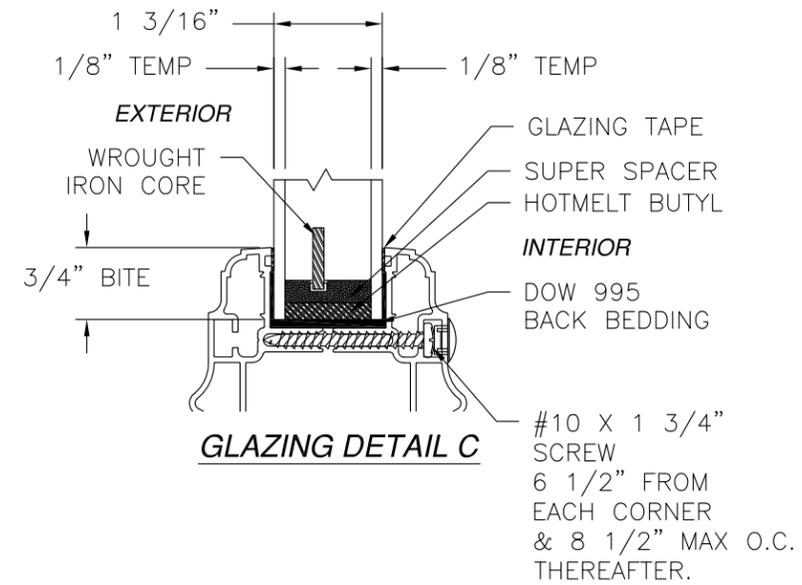
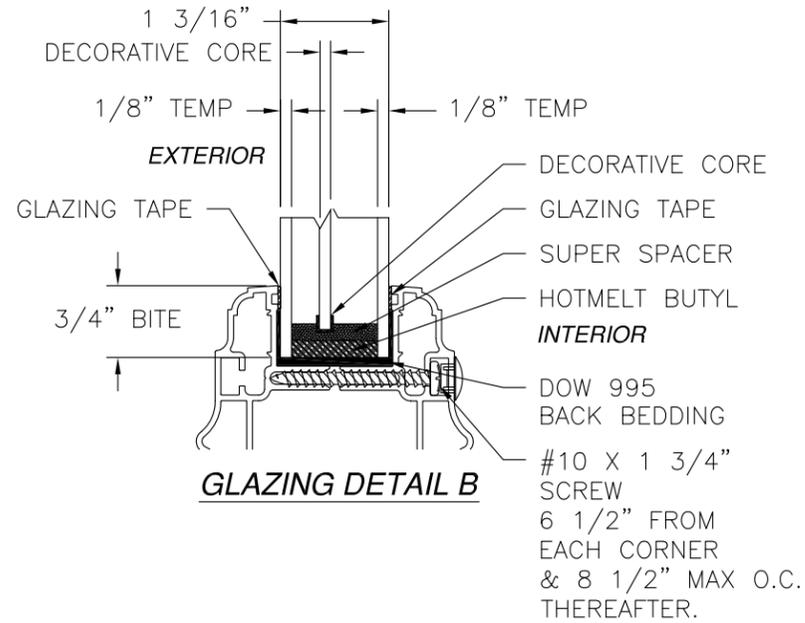
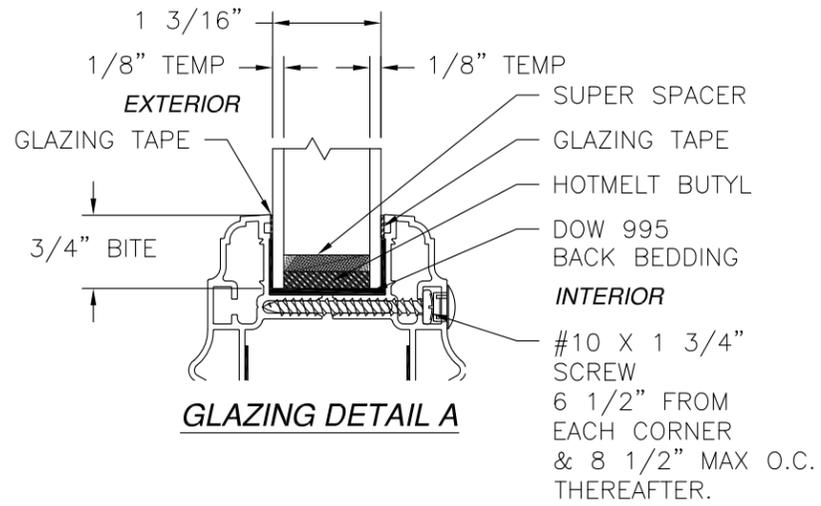
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