

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/09/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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. 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. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER, OR FUSION FRAME.
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM), FIBERGLASS .085" THICK (MINIMUM).
7. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
9. 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".

10. 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.
11. 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.
12. 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.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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:

14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

14.3. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	ANCHOR LAYOUT & APPROVED LITE CONFIGURATIONS
4 – 11	INSTALLATION DETAILS
12 – 14	APPROVED SLABS
15	COMPONENTS

PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02071

REV
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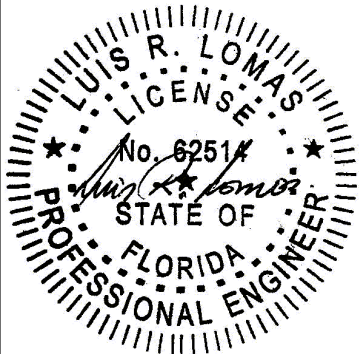
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DATE 06/19/13

SHEET 1 OF 15

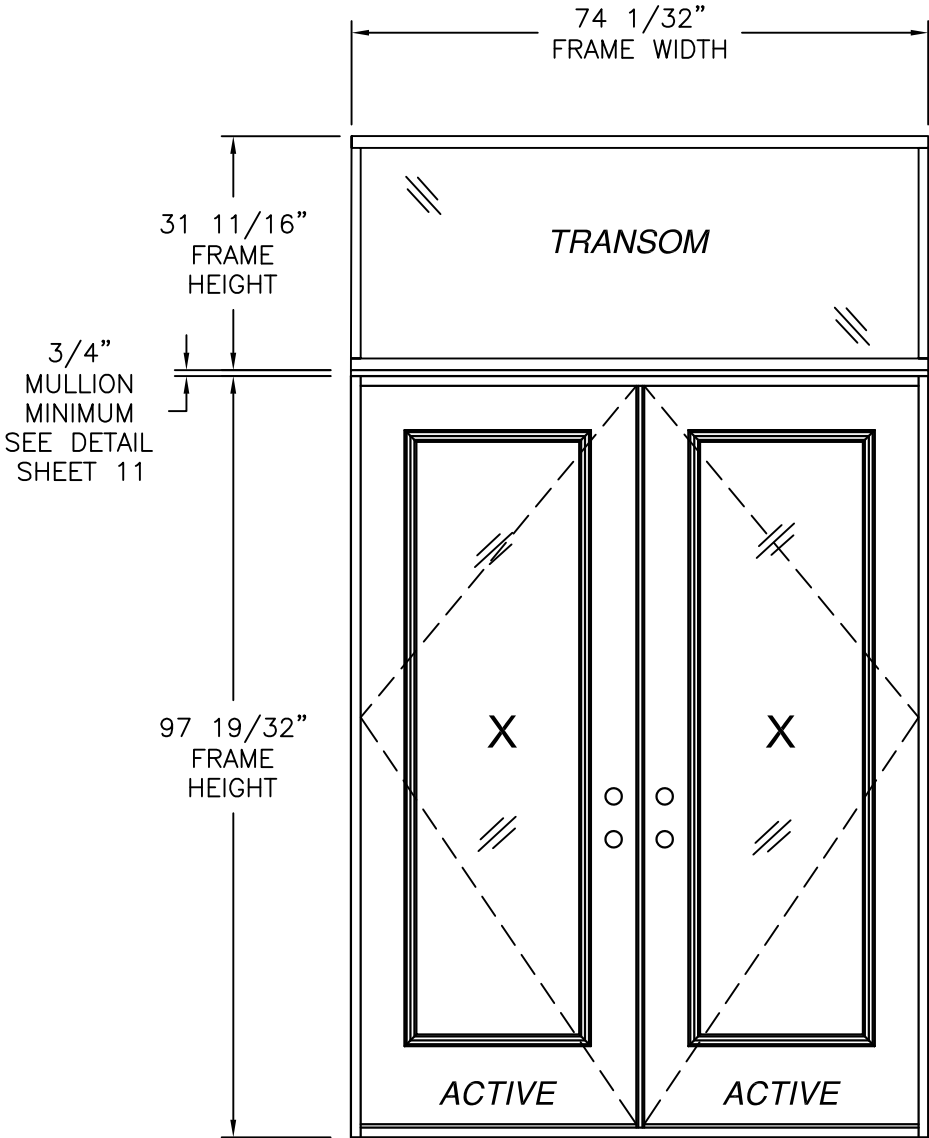
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SIGNED: 09/09/2026



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

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DOUBLE DOOR W/ TRANSOM
EXTERIOR VIEW

35 3/4" x 94 15/16" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.56 FT²

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH STEEL SLAB

DESIGN PRESSURE RATING	IMPACT RATING
+48.0/-52.0	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH FIBERGLASS SLAB

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH STEEL SLAB AND PANOLOCK MULTI-POINT

DESIGN PRESSURE RATING	IMPACT RATING
+48.0/-50.0	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH FIBERGLASS SLAB AND PANOLOCK MULTI-POINT

HARDWARE SCHEDULE

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

- D.L.O. NOTES:
1. MAXIMUM DOOR D.L.O.: 20 3/8" X 78 1/2"
 2. MAXIMUM TRANSOM D.L.O.: 71 1/32" X 28 11/16"

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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
ELEVATION

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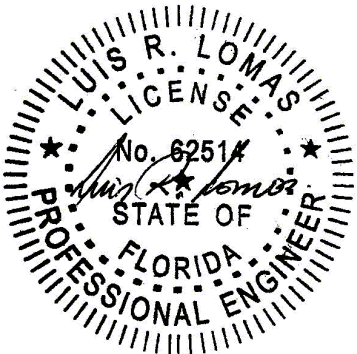
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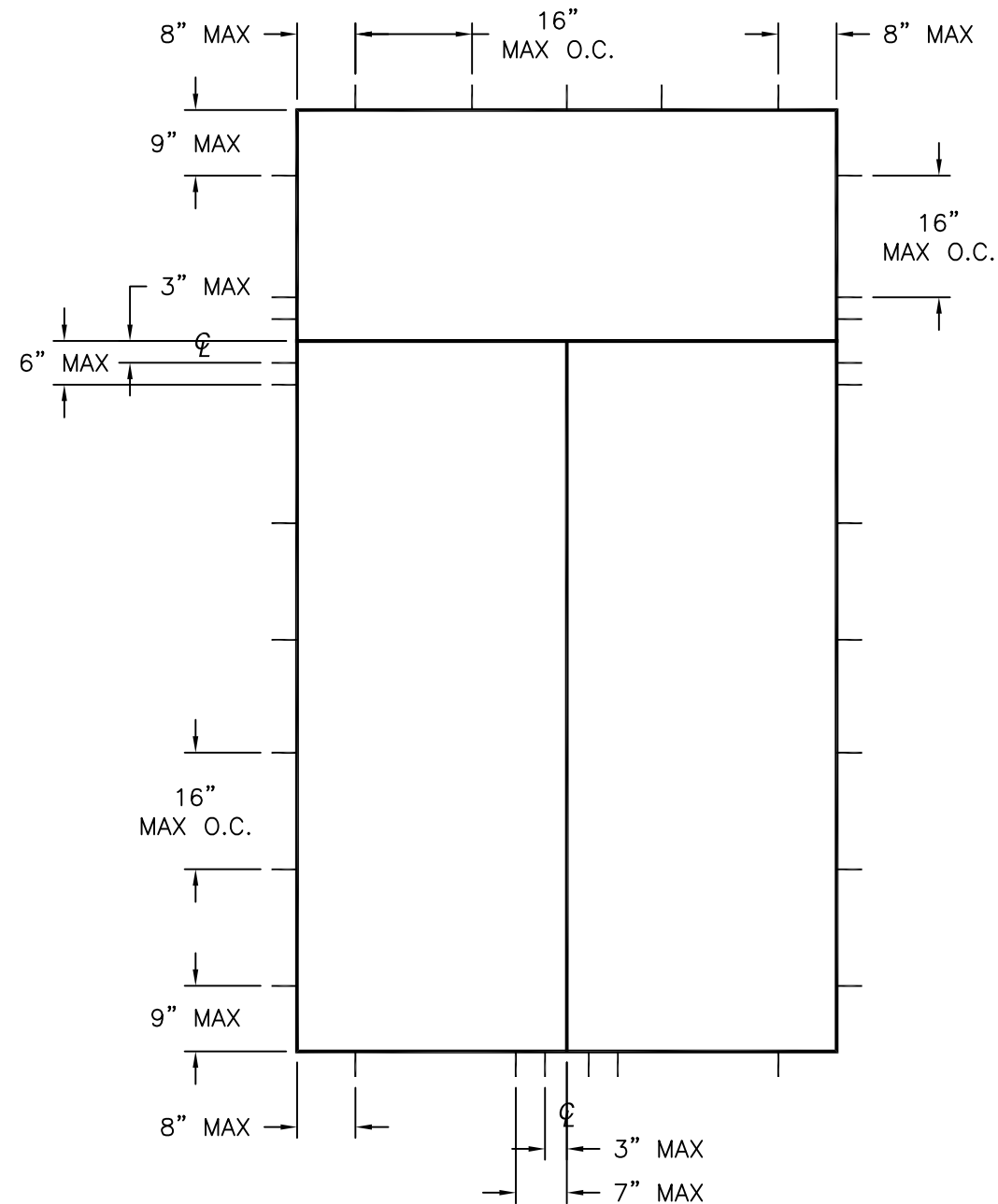
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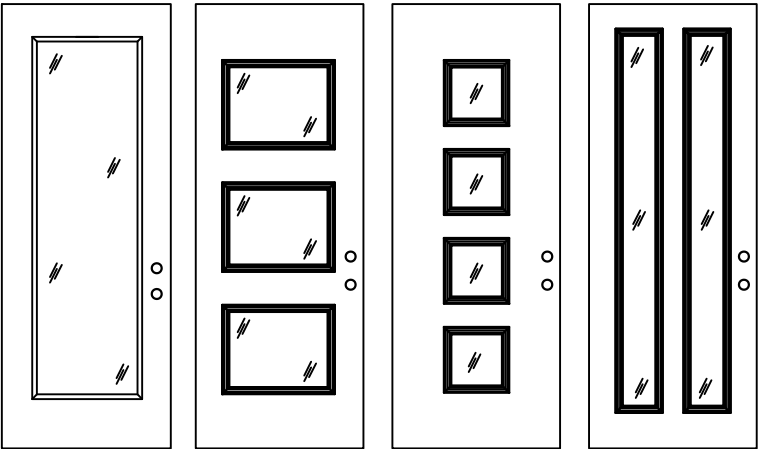
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ANCHOR LAYOUT

APPROVED LITE CONFIGURATIONS



FULL LITE

3 LITE

4 LITE

2 LITE

LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 11.5 FT²

Anchors and anchor connectors corrosion resistance chart		
Exposure	Distance from coastal shoreline	
	0' up to 300'	>300' up to 3000'
Exterior - partially sheltered	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Exterior - open exposed	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-vented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-unvented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S

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W/TRANSOM NON-IMPACT
ANCHOR LAYOUT & APPROVED LITE CONFIGURATIONS

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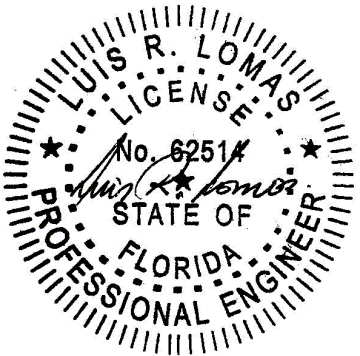
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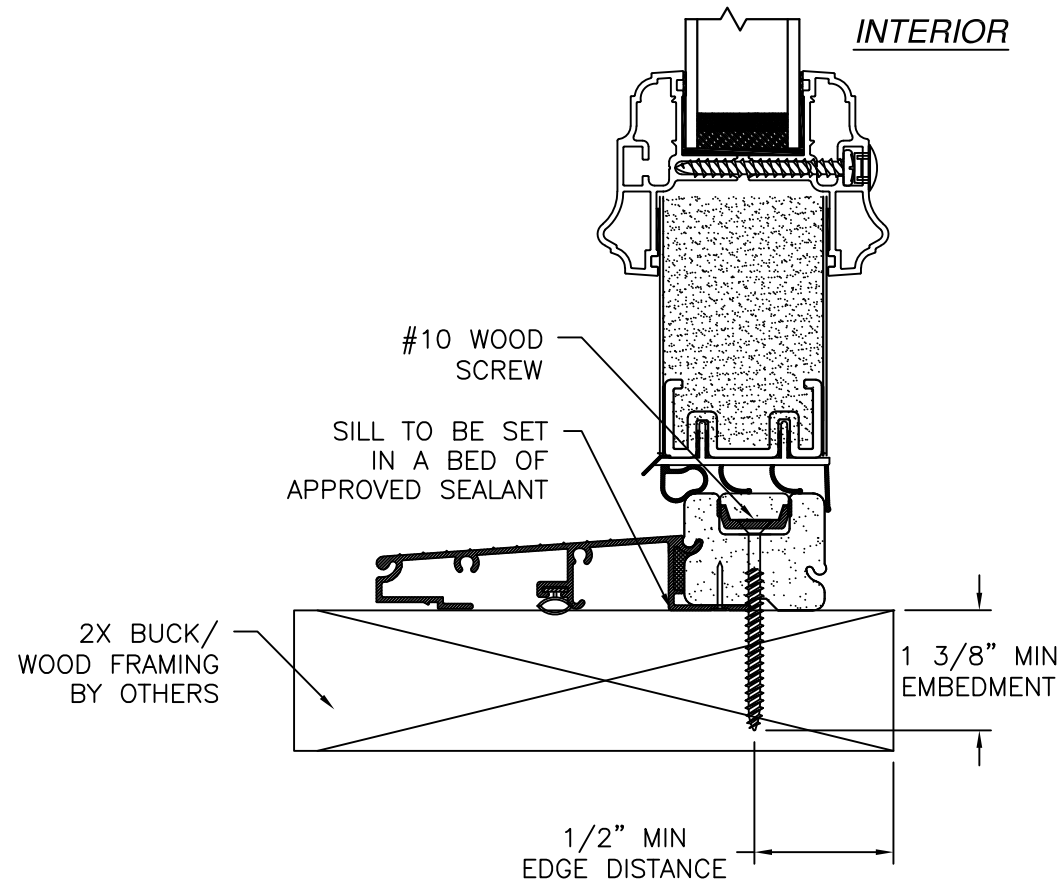
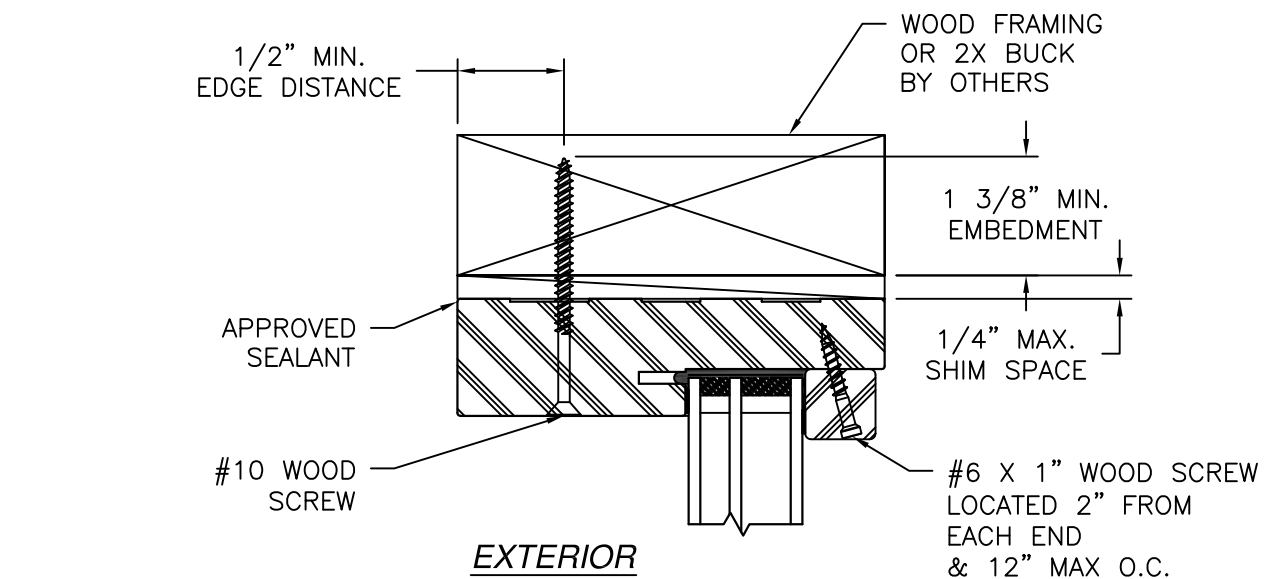
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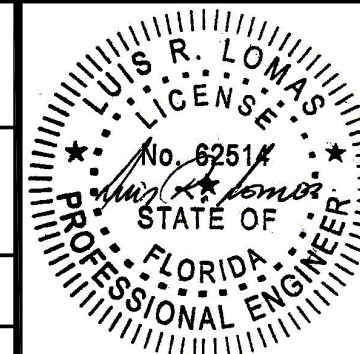
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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

- 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

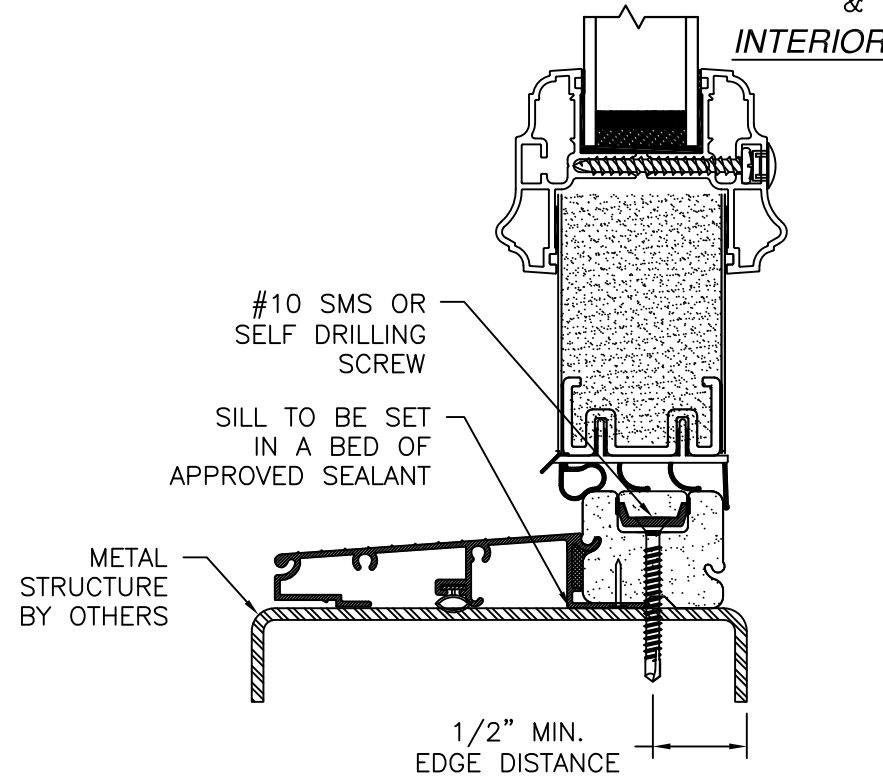
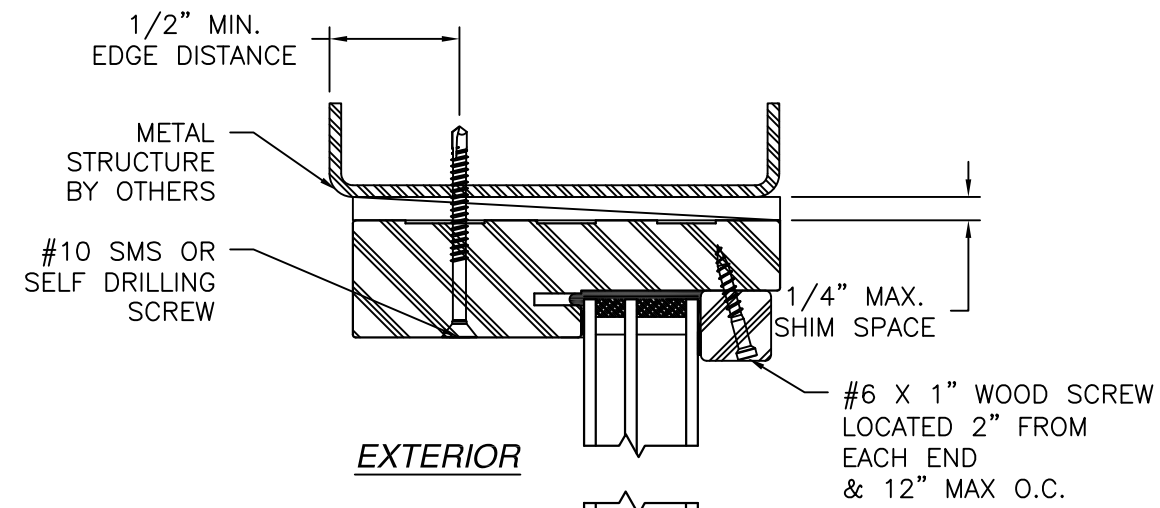
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02071	REV L
SCALE NTS	DATE 06/19/13	SHEET 4 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
INSTALLATION DETAILS

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5

OF

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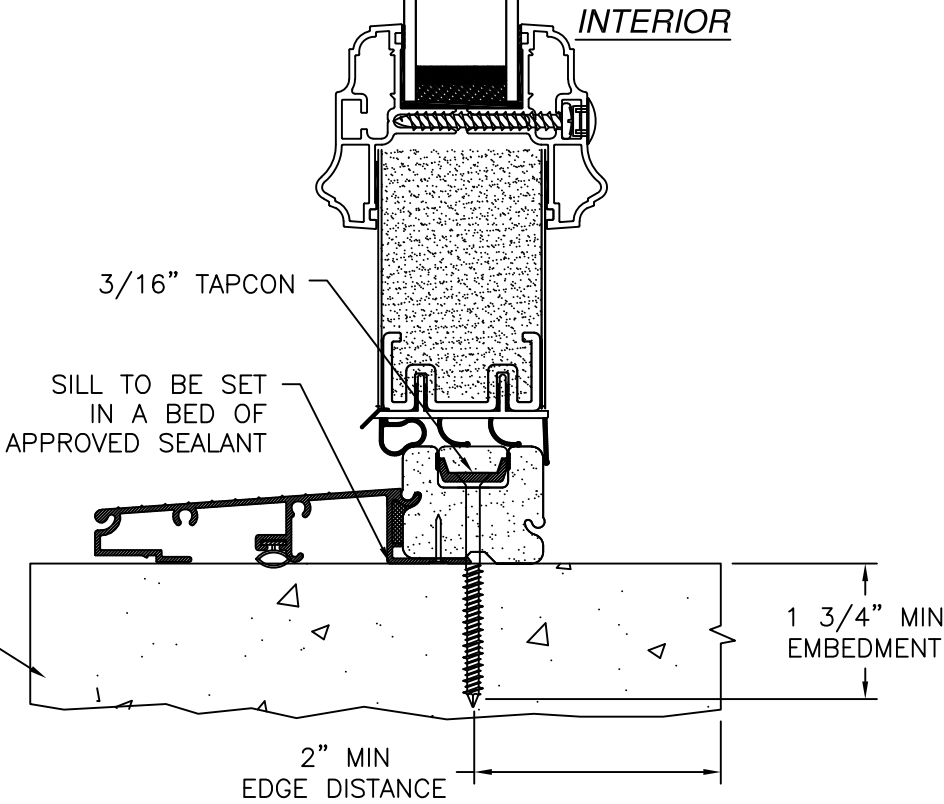
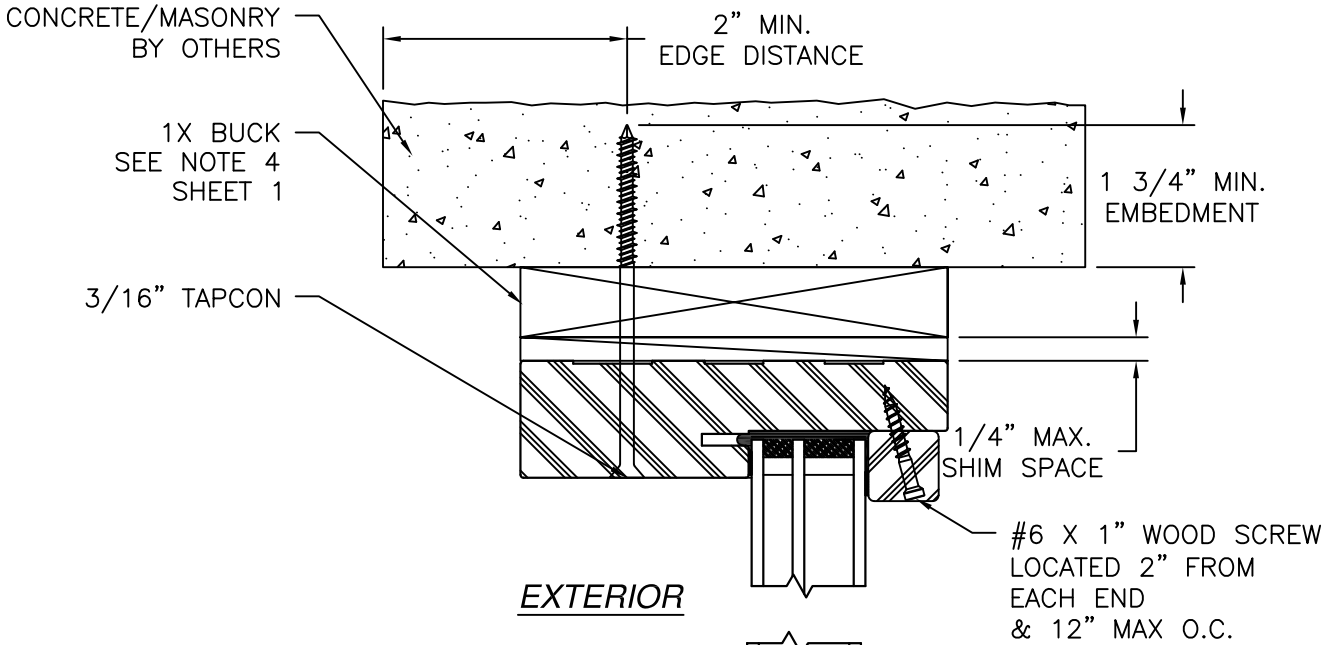
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HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY

VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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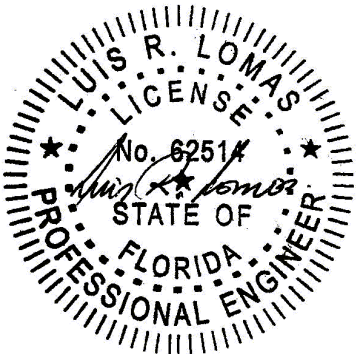
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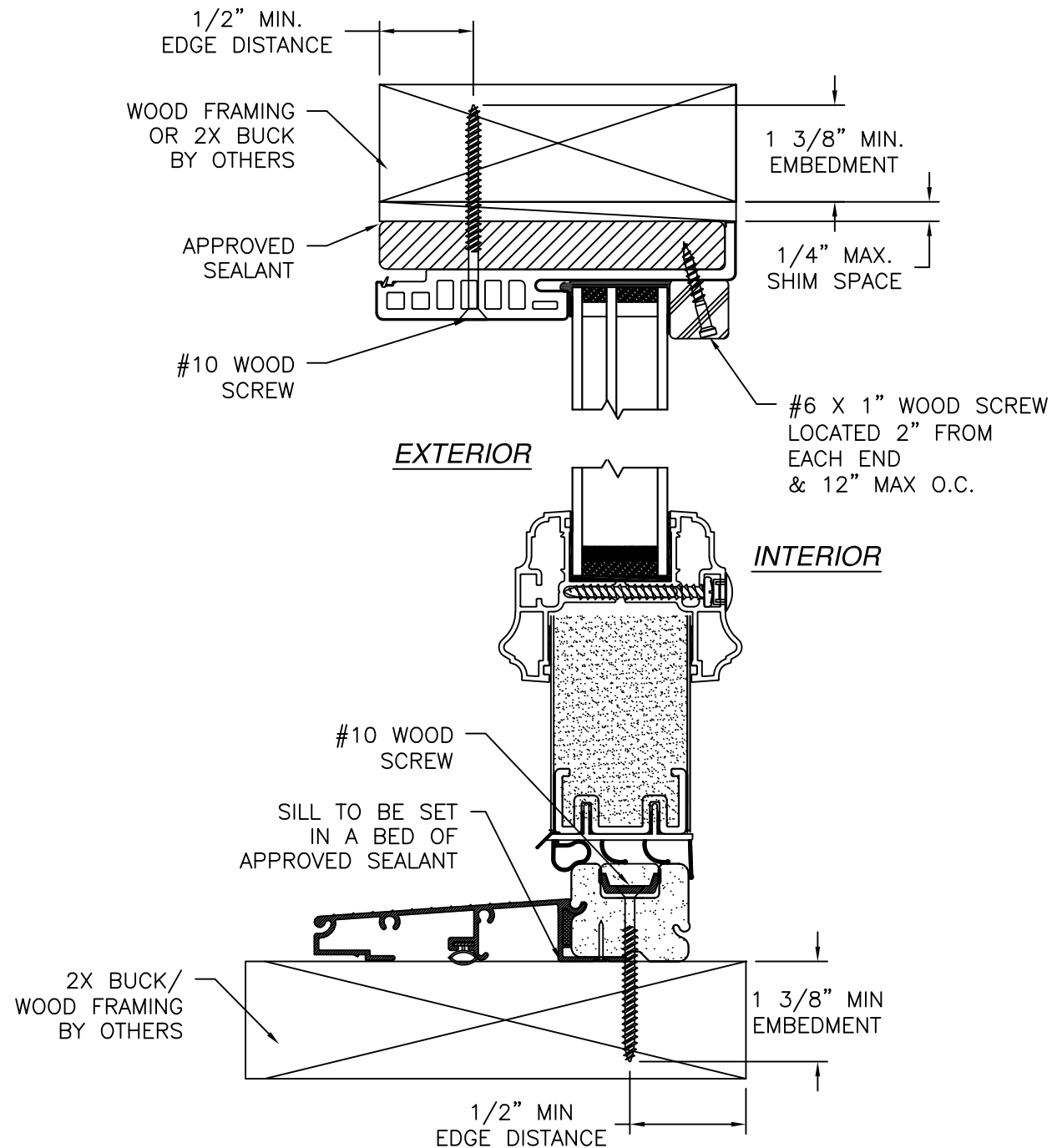
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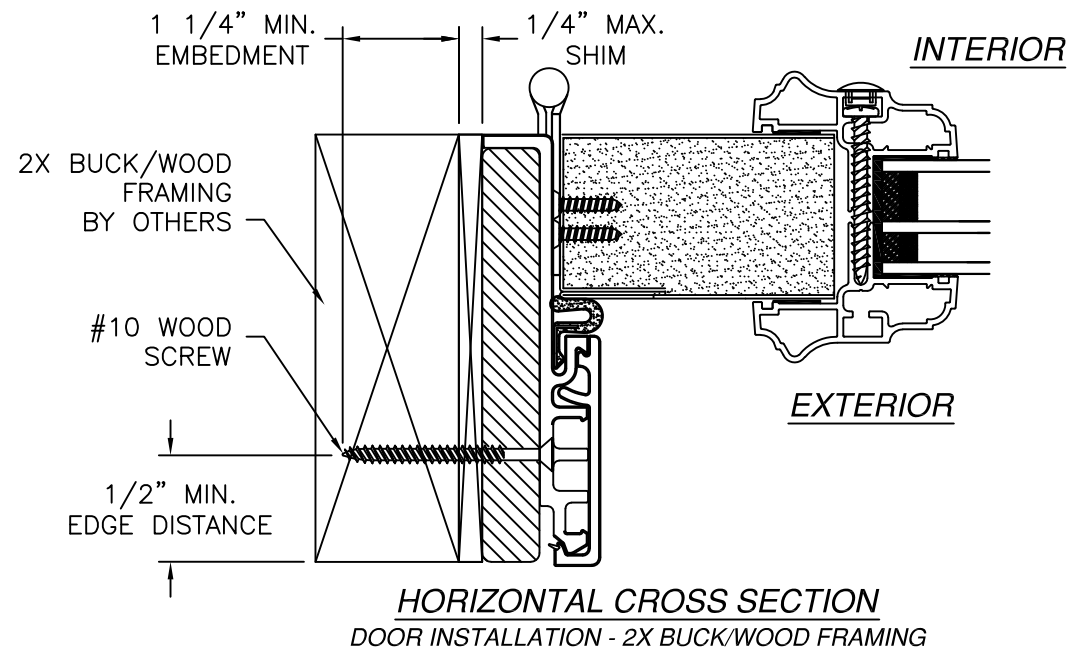


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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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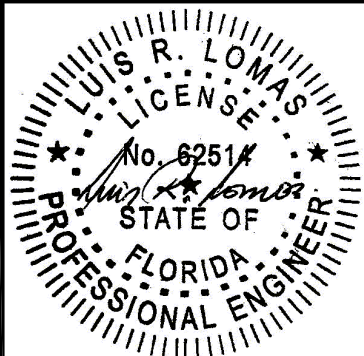
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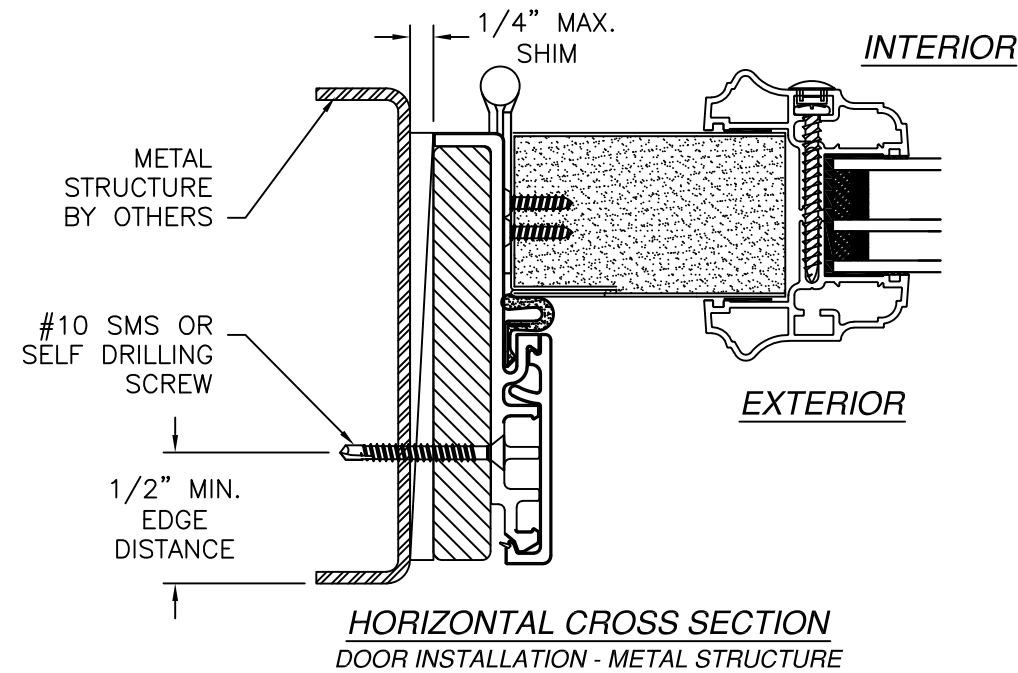
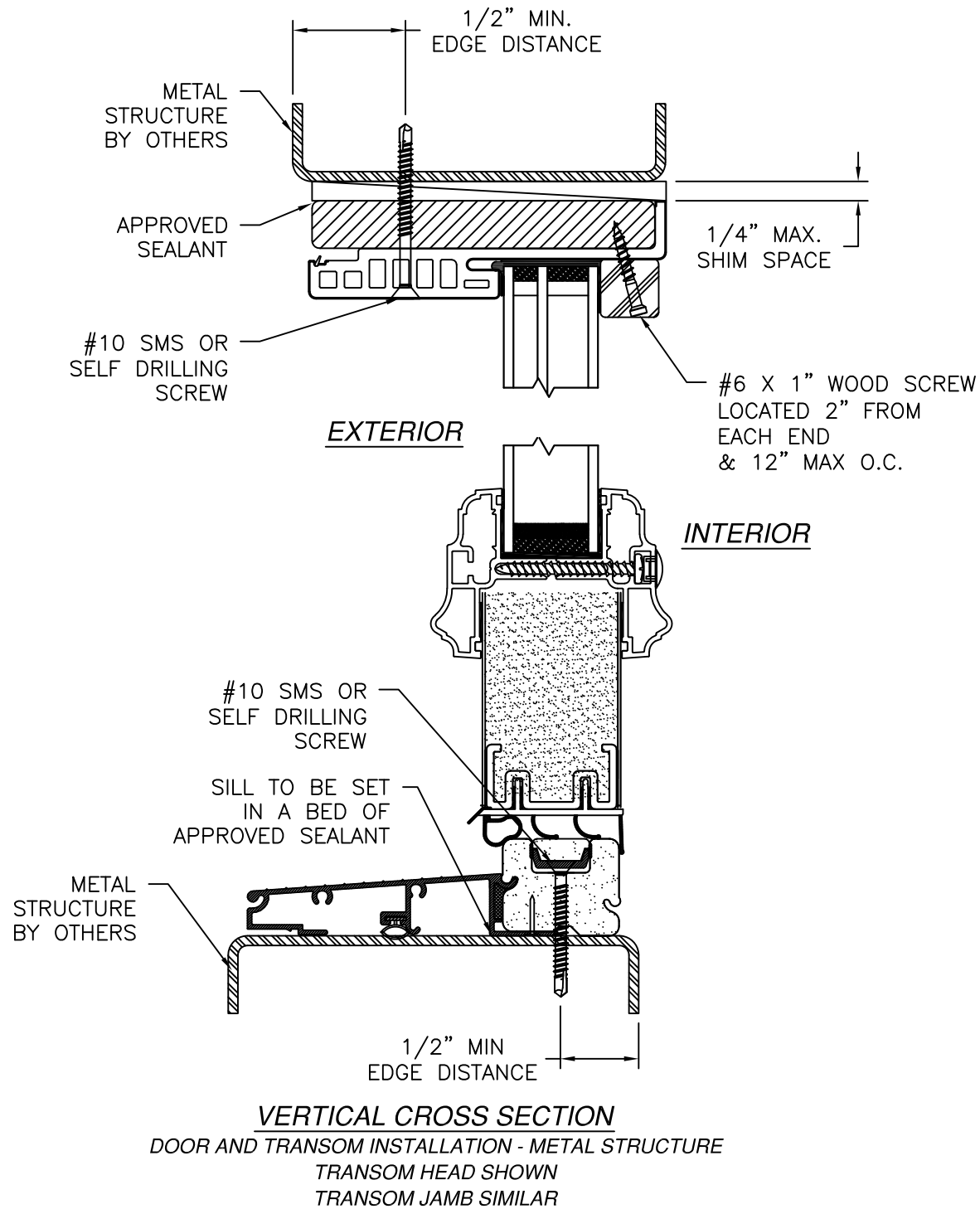
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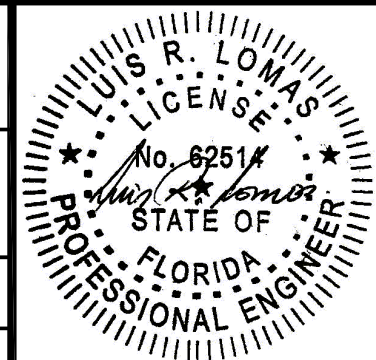
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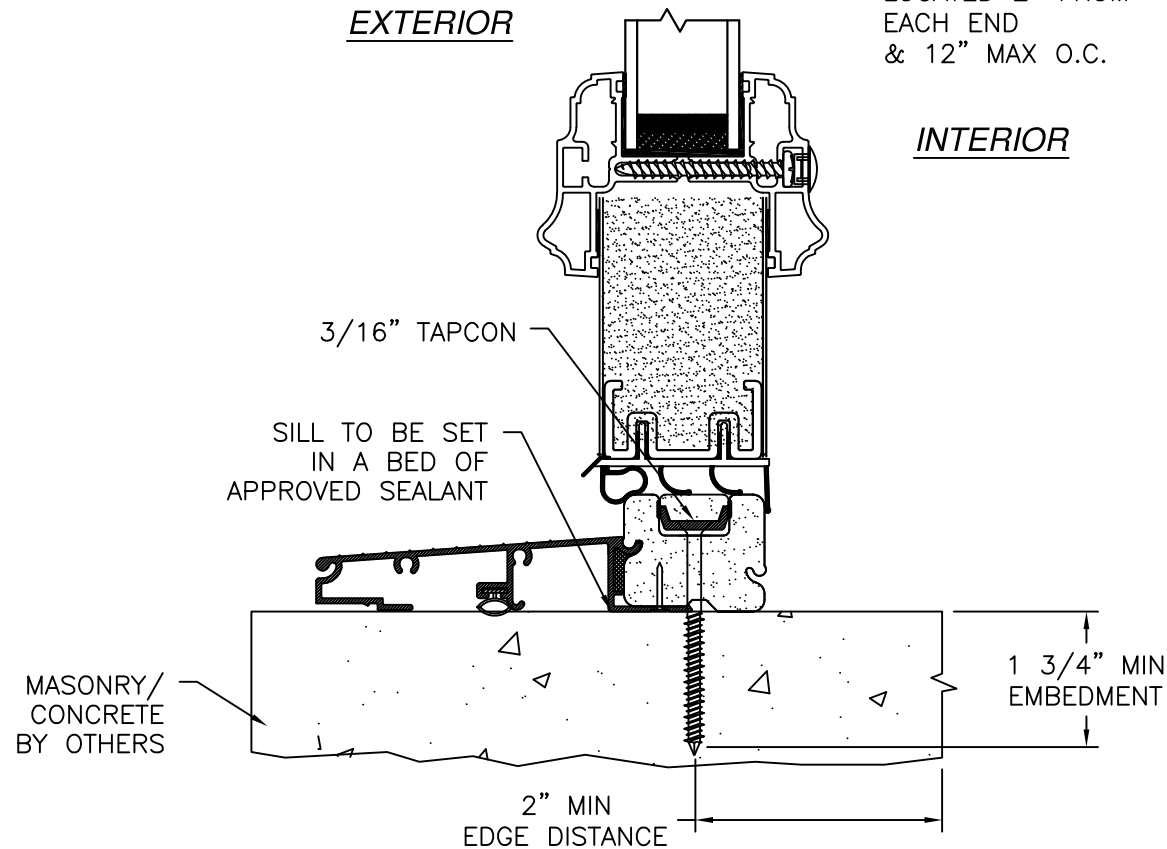
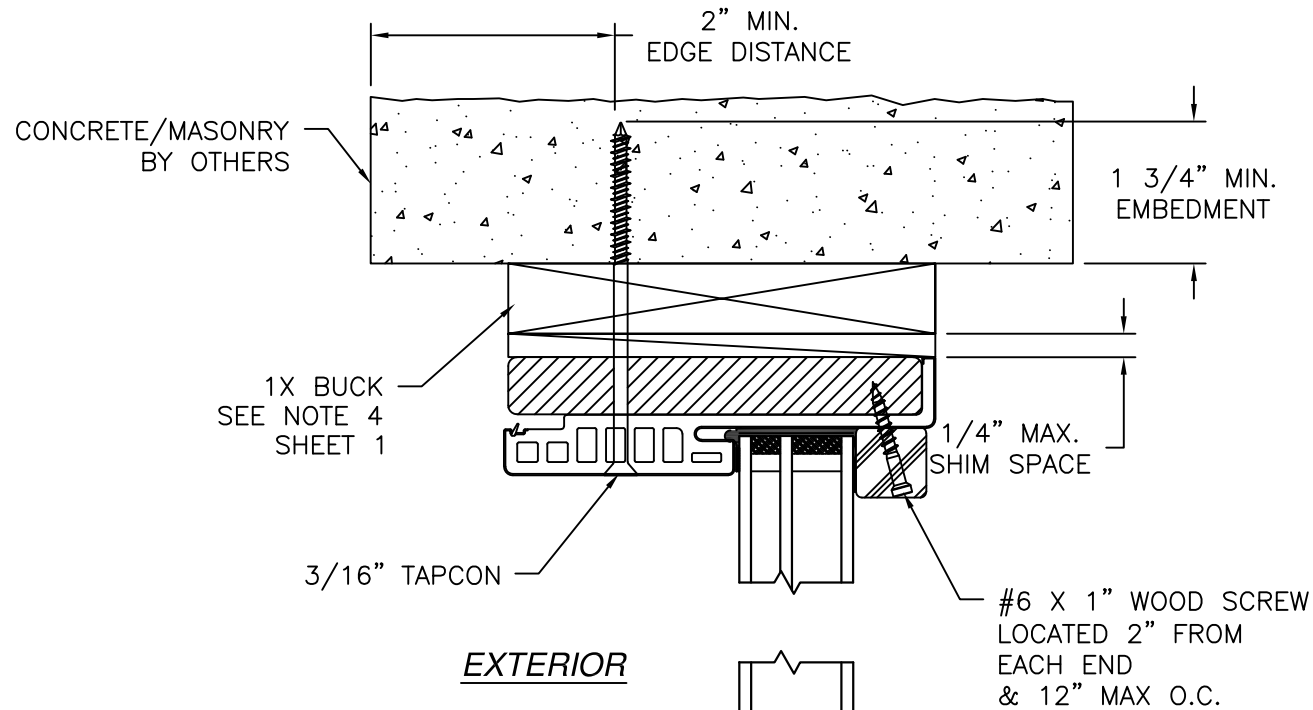
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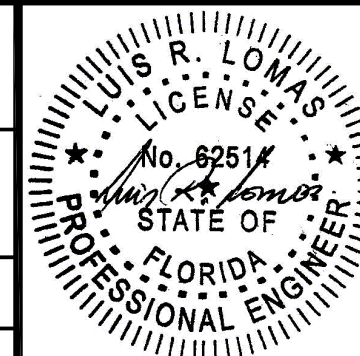
HORIZONTAL CROSS SECTION
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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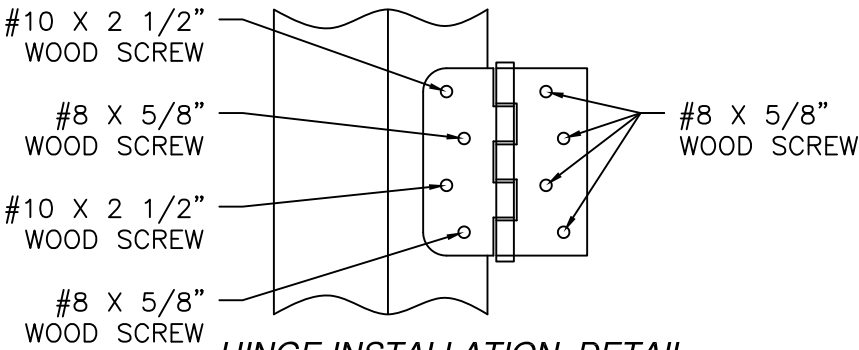
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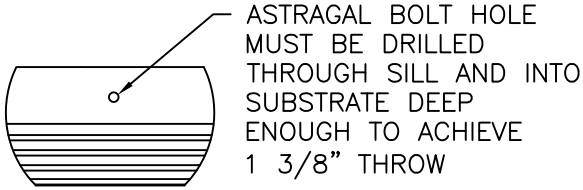


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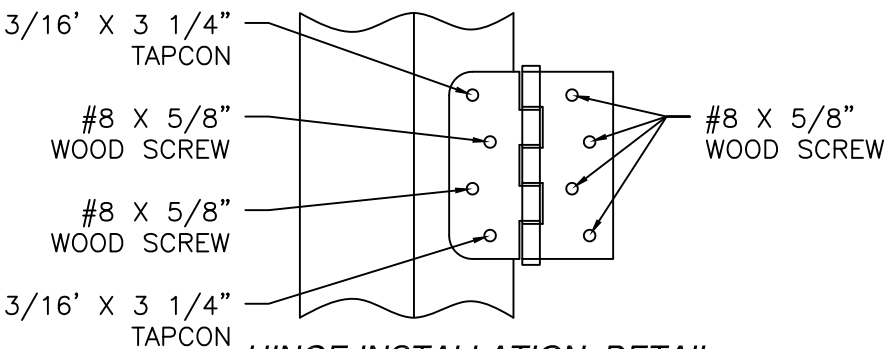
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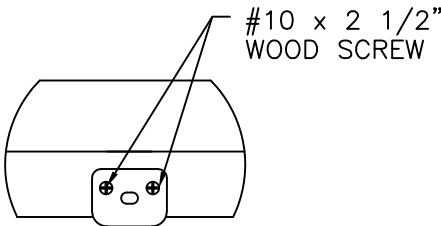
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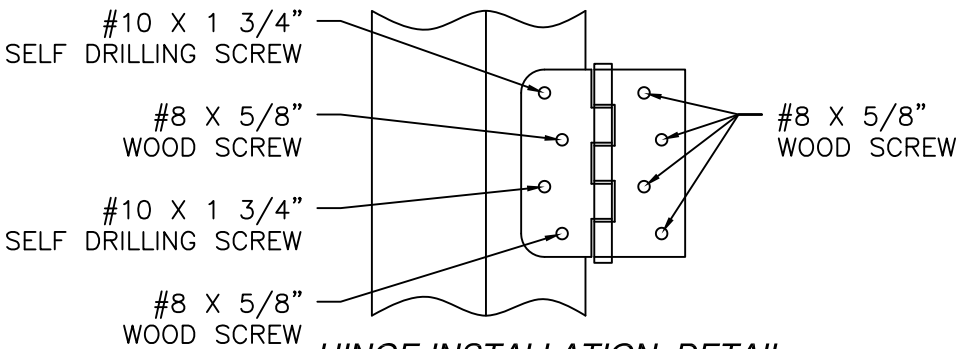
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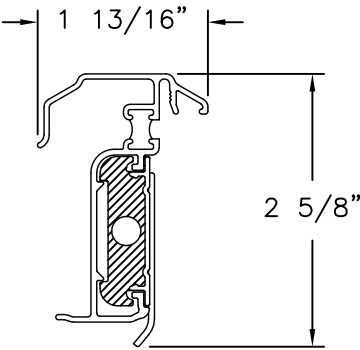
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



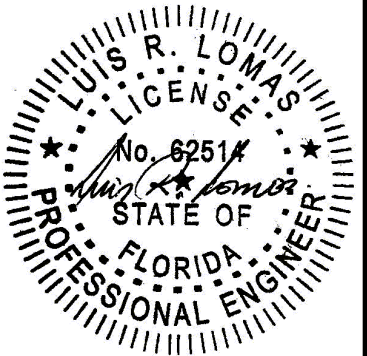
HINGE INSTALLATION DETAIL
METAL STRUCTURE



HURRICANE ASTRAGAL DETAIL

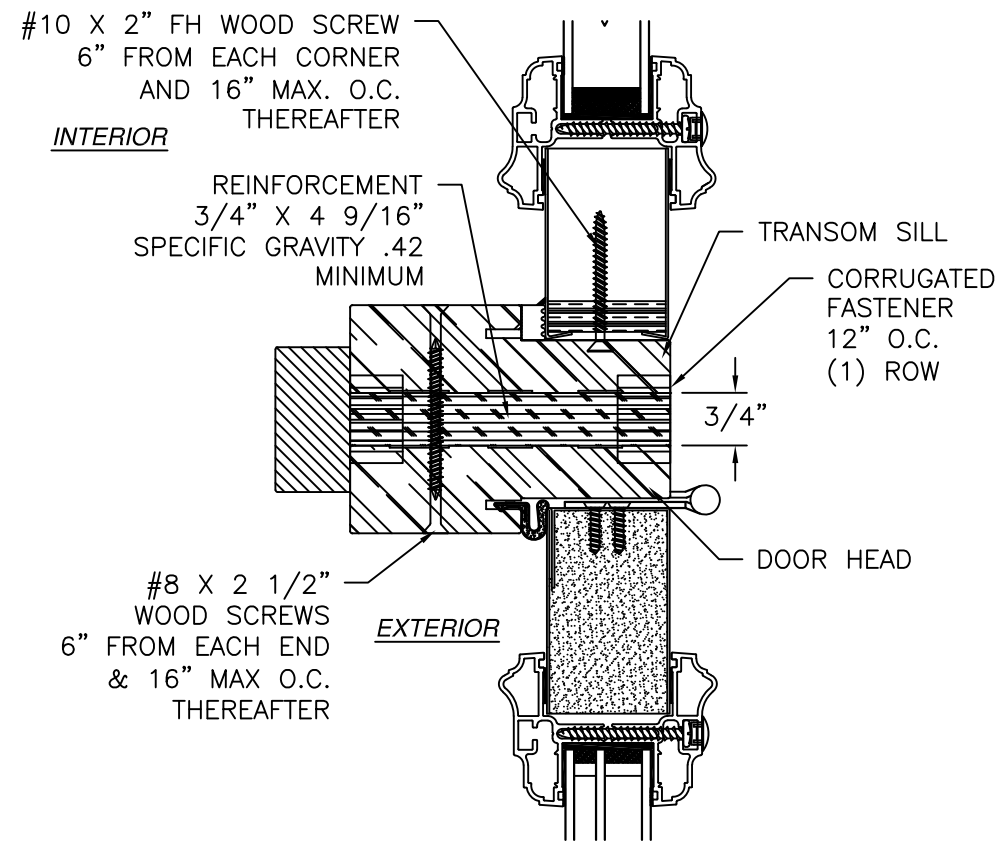
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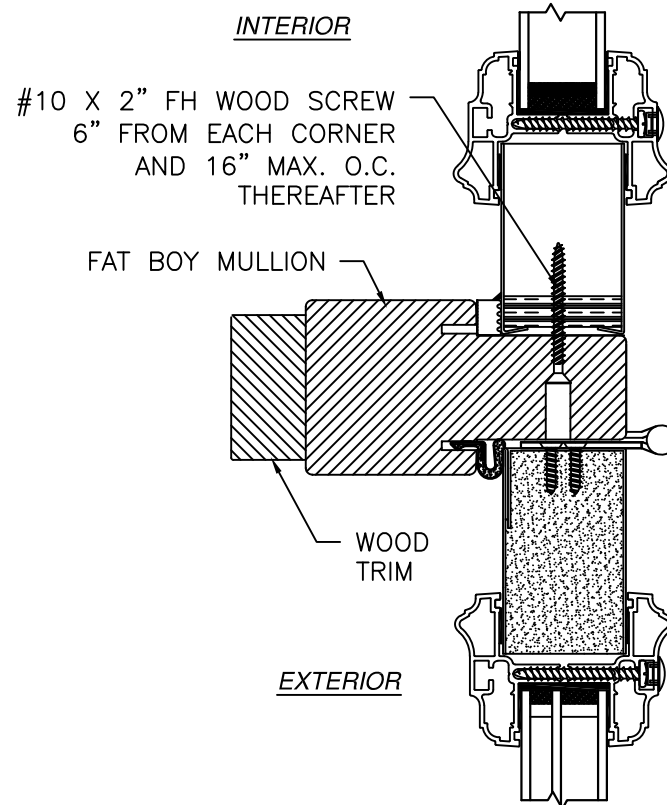


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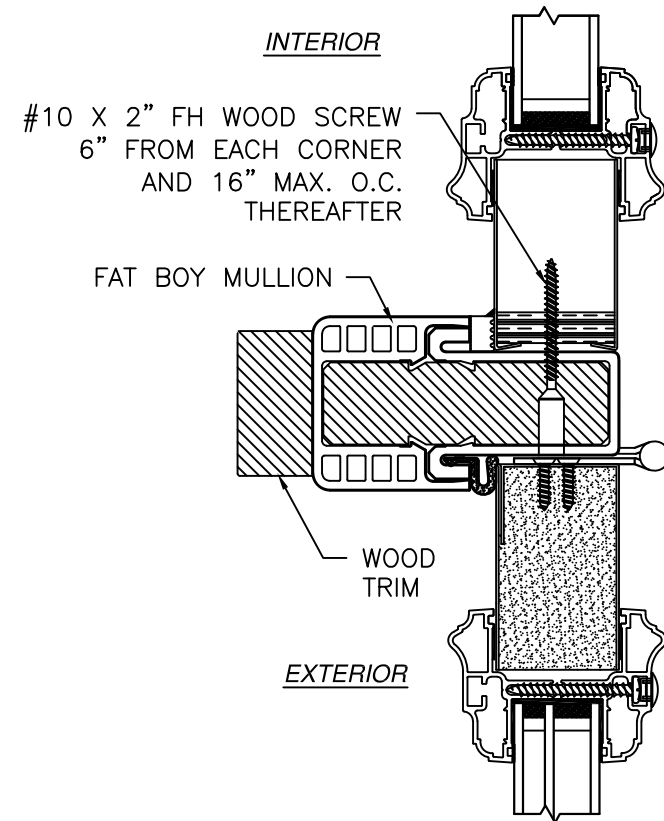
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MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



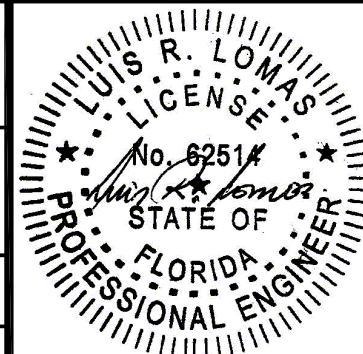
MULLION DETAIL
WITH FAT BOY MULLION



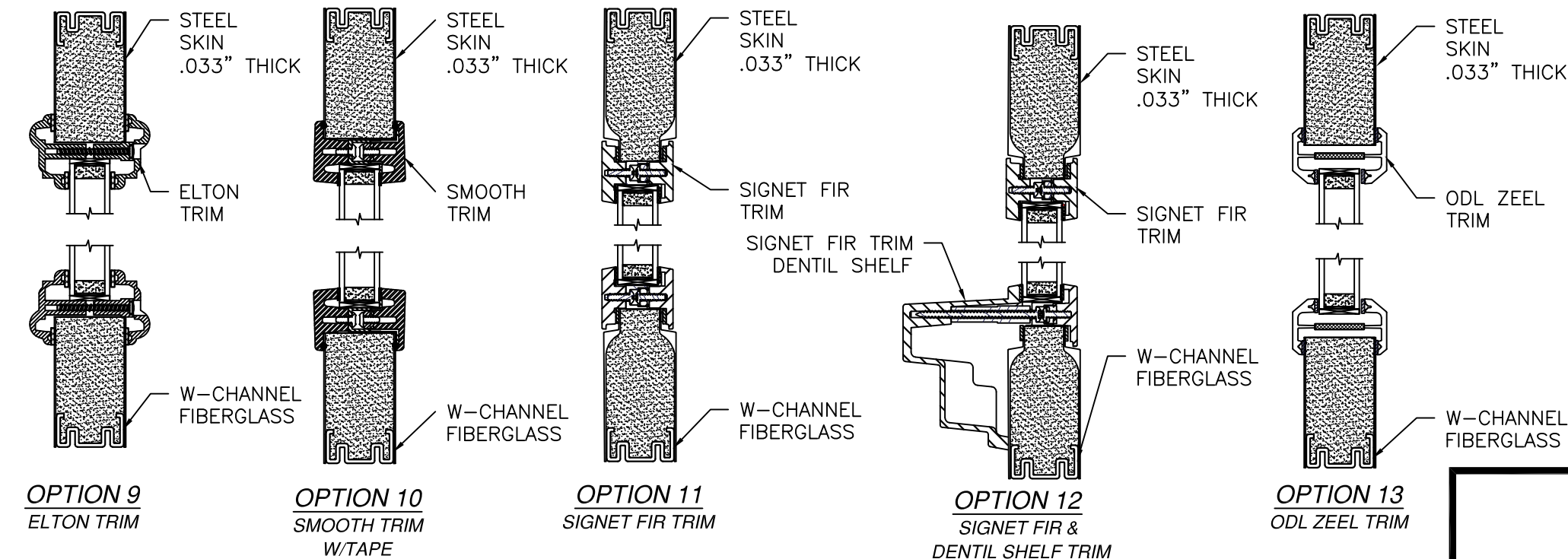
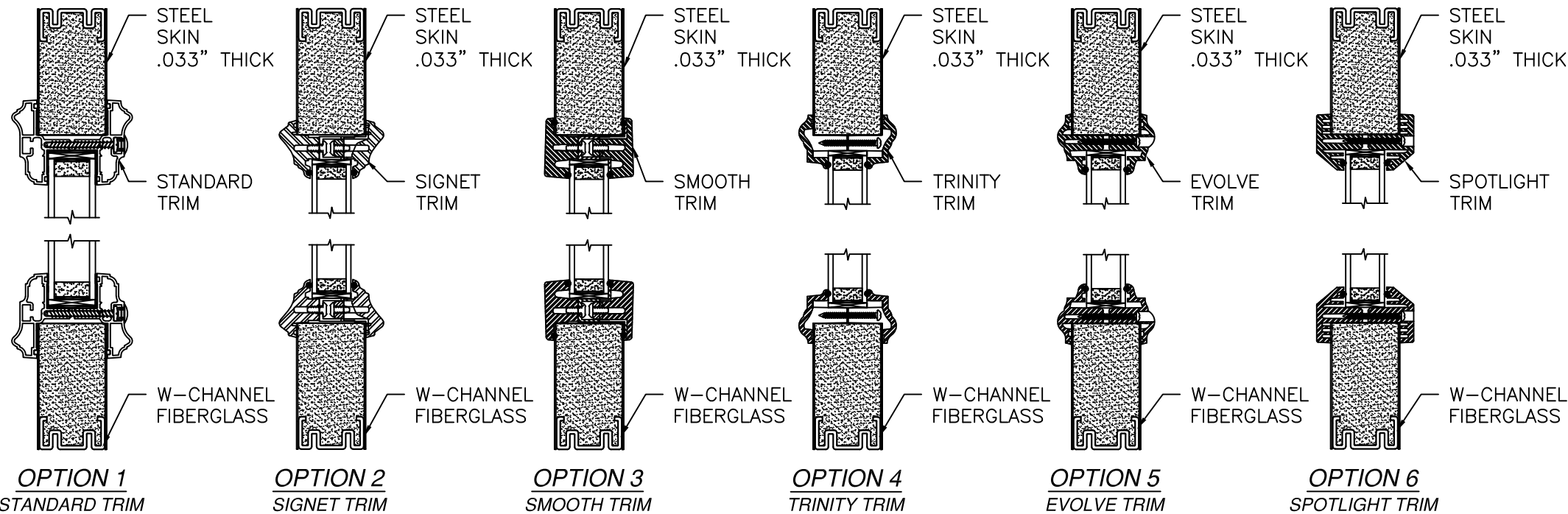
MULLION DETAIL
WITH HYBRID FAT BOY MULLION

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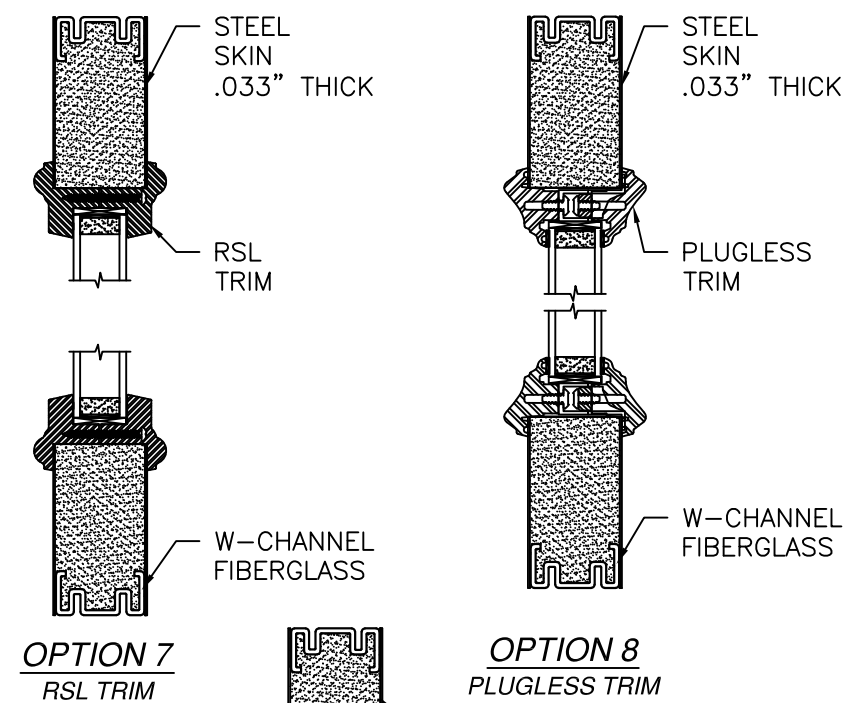
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT MULLION DETAILS		
DRAWN: N.G.	DWG NO. 08-02071	REV L
SCALE NTS	DATE 06/19/13	SHEET 11 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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FL No.: 62514

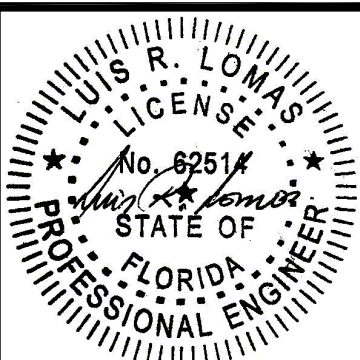


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/09/26	R.L.



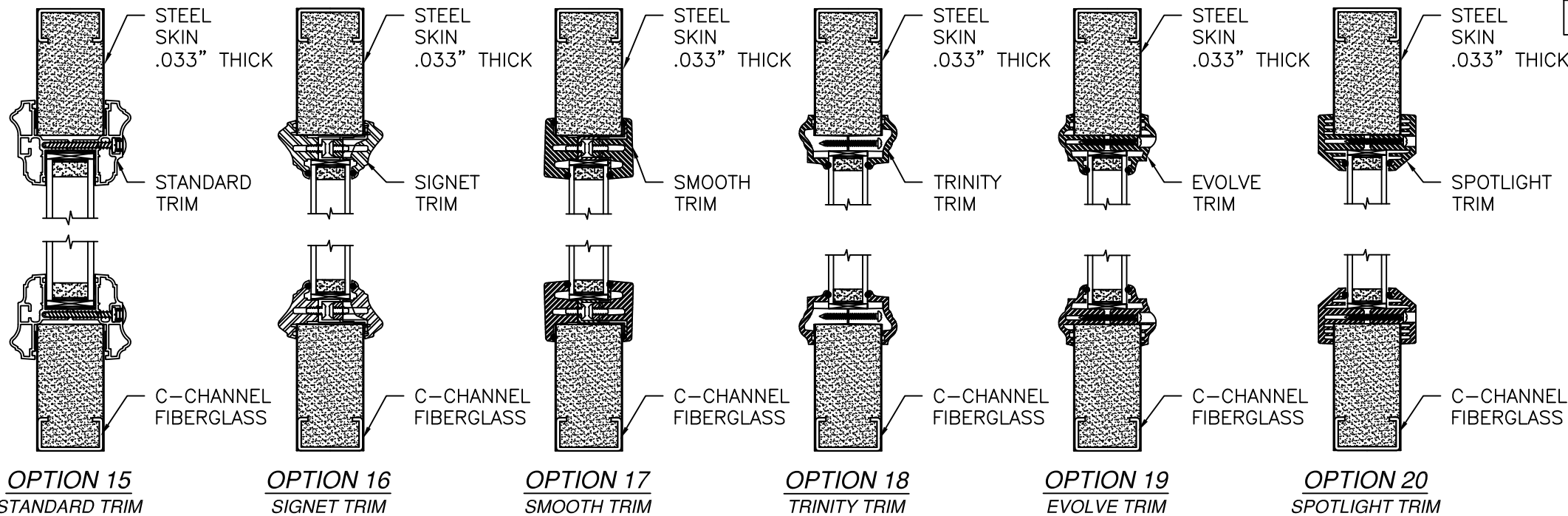
APPROVED SLABS AND TRIMS

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT APPROVED SLABS AND TRIMS		
DRAWN: N.G.	DWG NO. 08-02071	REV L
SCALE NTS	DATE 06/19/13	SHEET 12 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

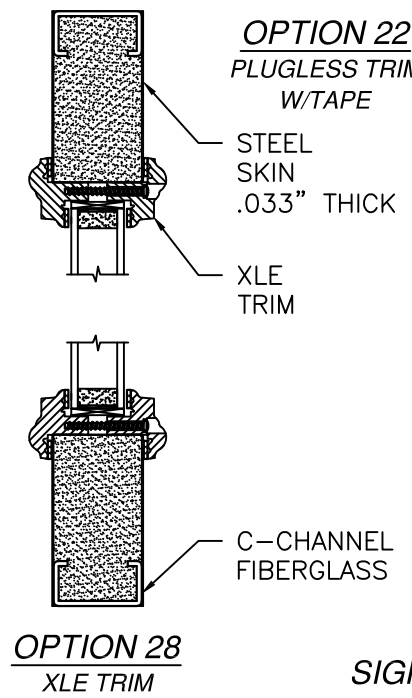
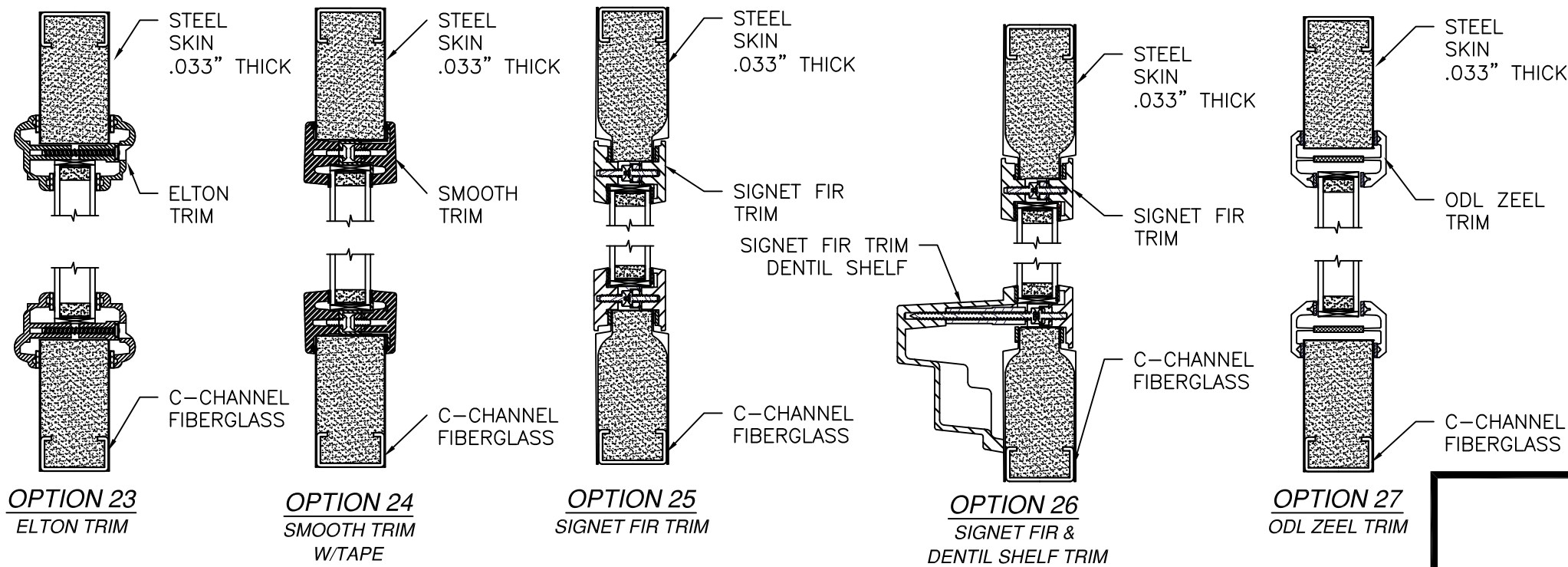
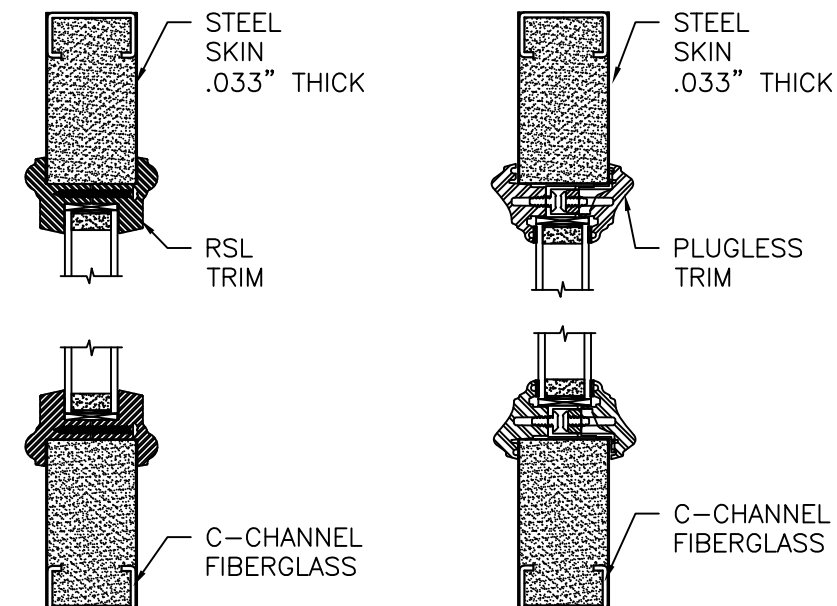


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APPROVED SLABS AND TRIMS

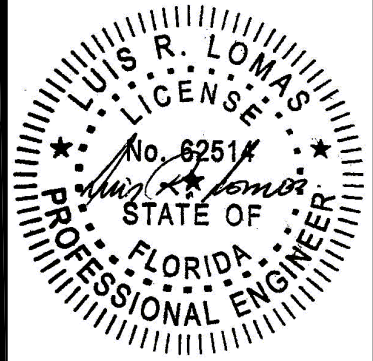
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

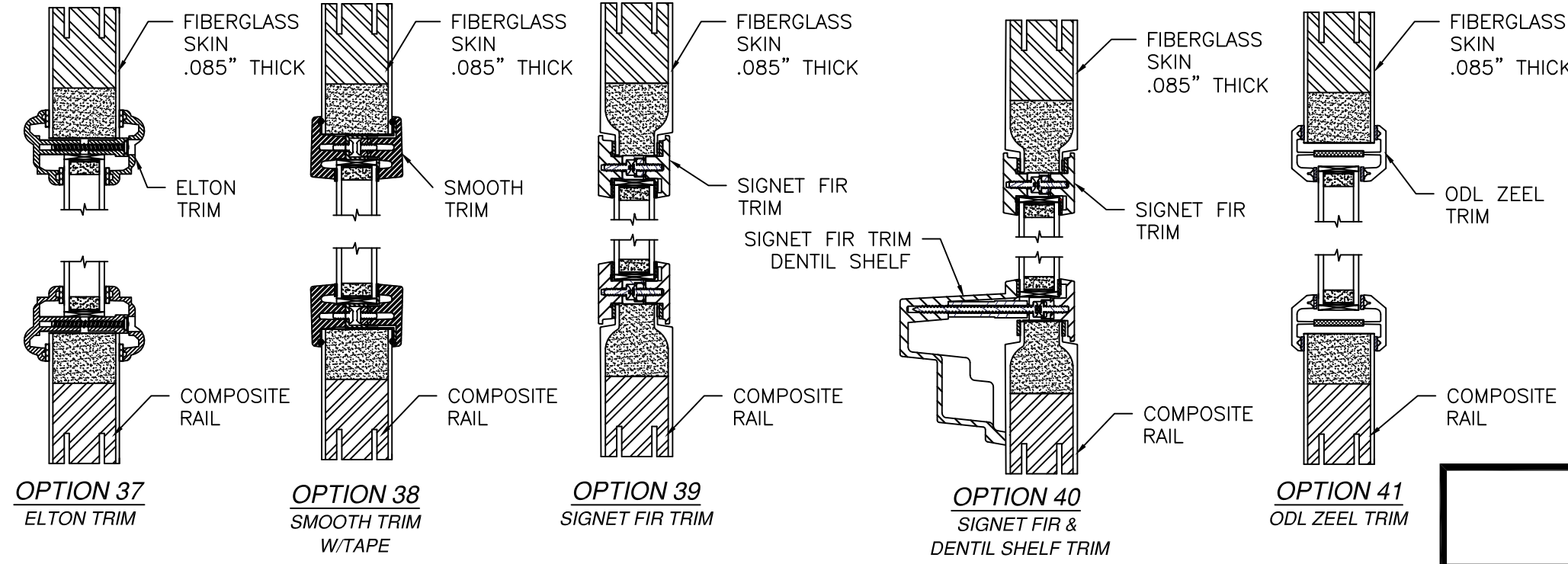
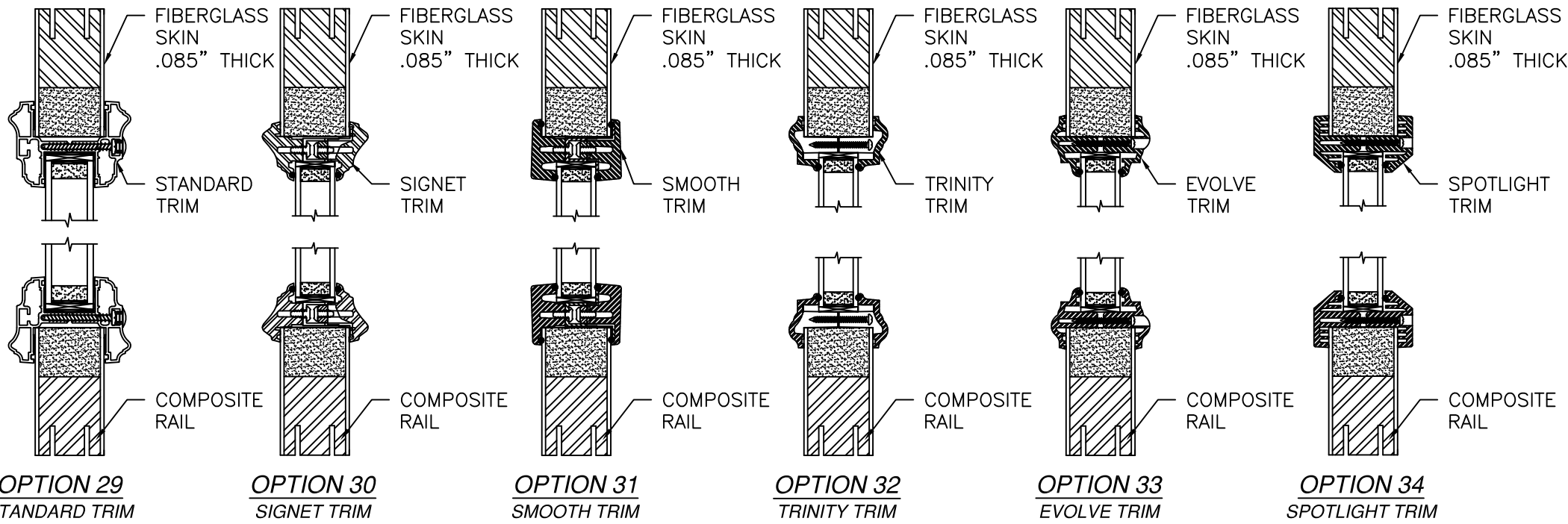
DRAWN: N.G.	DWG NO. 08-02071	REV L
SCALE NTS	DATE 06/19/13	SHEET 13 OF 15

L. ROBERTO LOMAS P.E.
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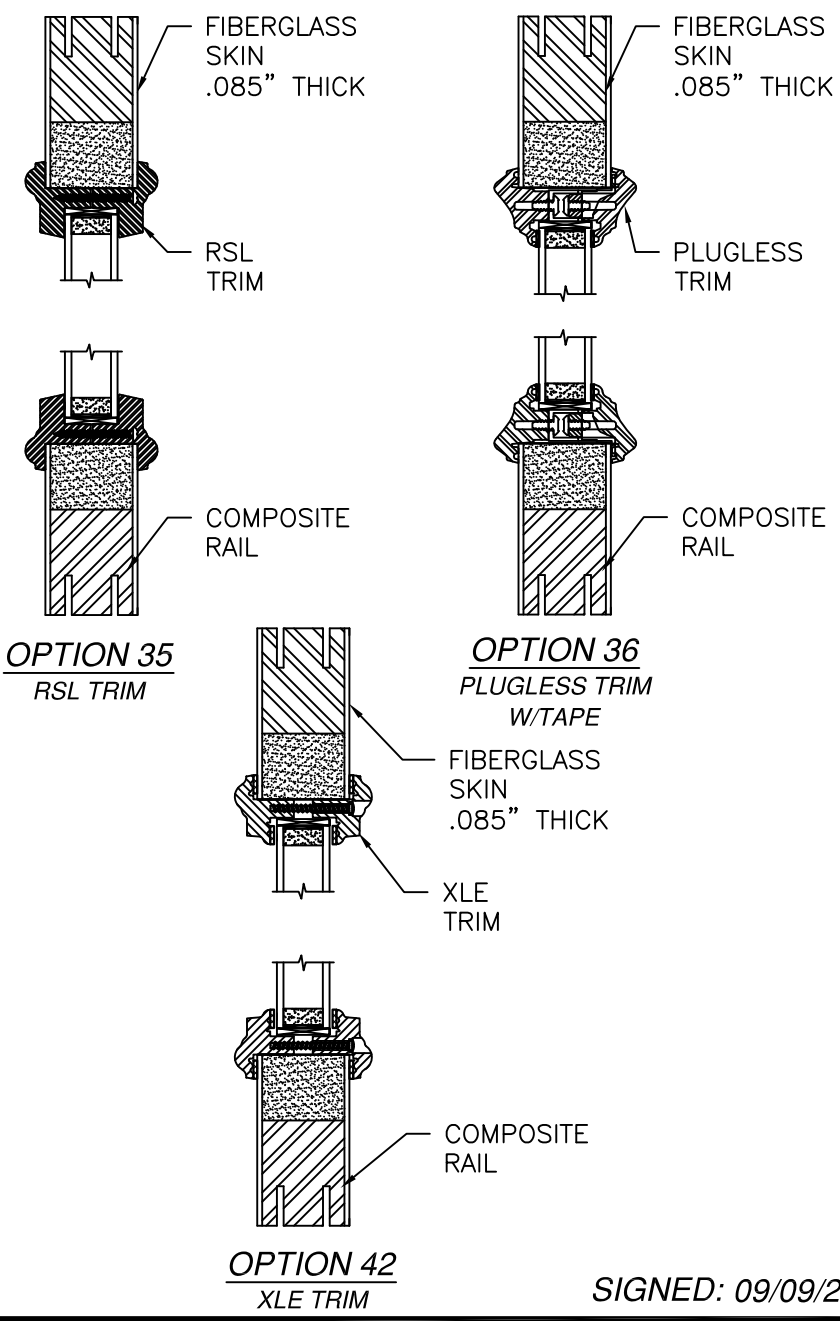
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APPROVED SLABS AND TRIMS

PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN:
N.G.

DWG NO.
08-02071

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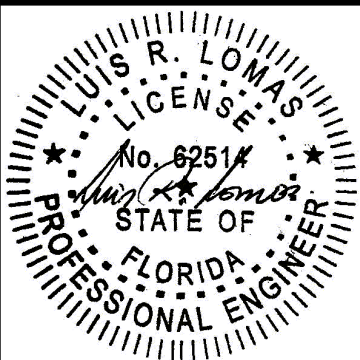
SCALE
NTS

DATE
06/19/13

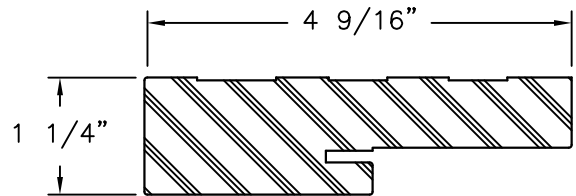
SHEET
14 OF 15

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

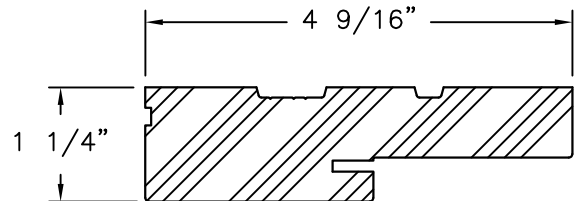
SIGNED: 09/09/2026



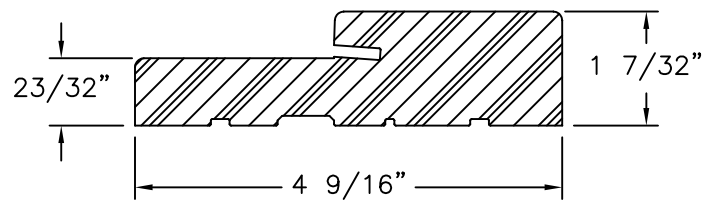
Luis R. Lomas P.E.
FL No.: 62514



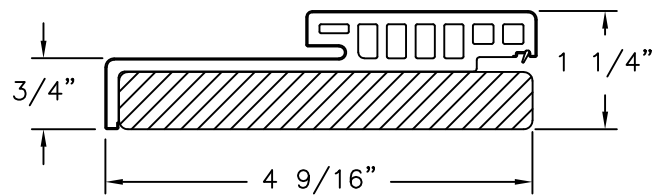
COMPOSITE FRAME PROFILE



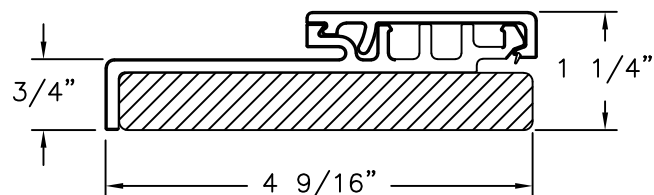
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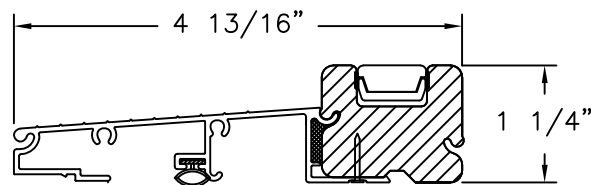
FRAMESAVER
COMPOSITE



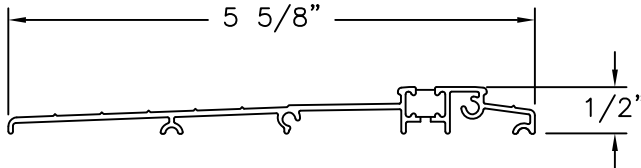
HYBRID HEAD
WOOD/COMPOSITE



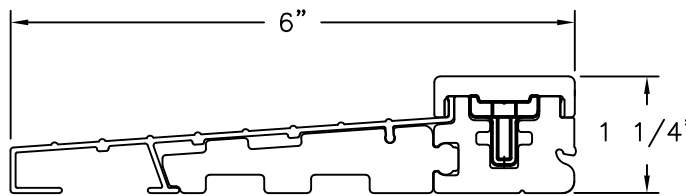
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WOOD/COMPOSITE



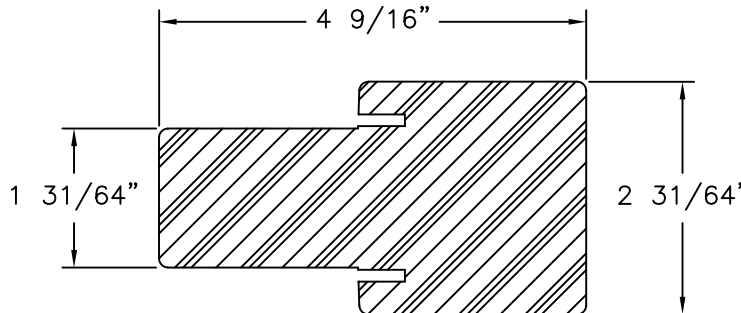
SAHARA INSWING THRESHOLD



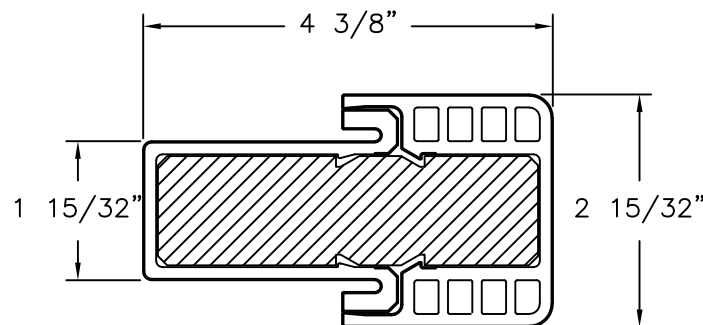
ADA THRESHOLD



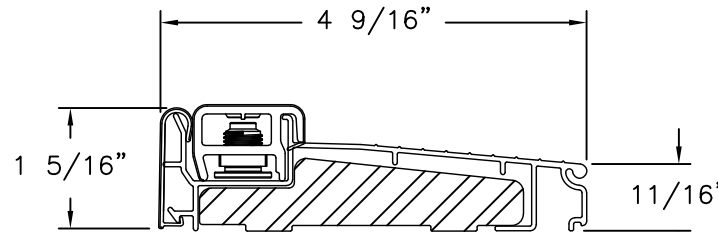
STANDARD INSWING THRESHOLD



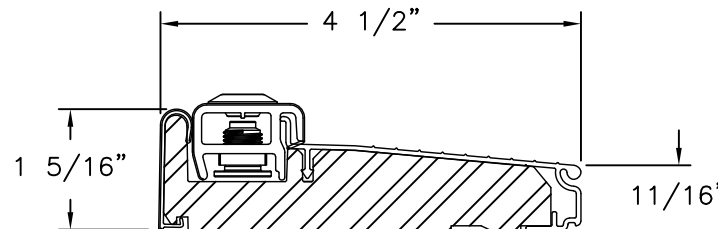
FAT BOY MULLION
COMPOSITE



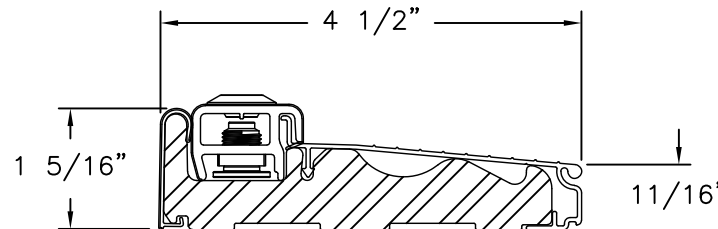
HYBRID FAT BOY MULLION
COMPOSITE



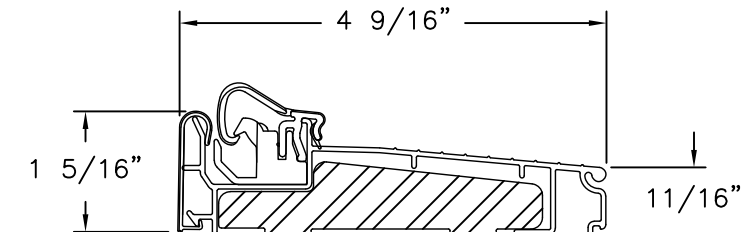
INSWING SILL ZAIL4565



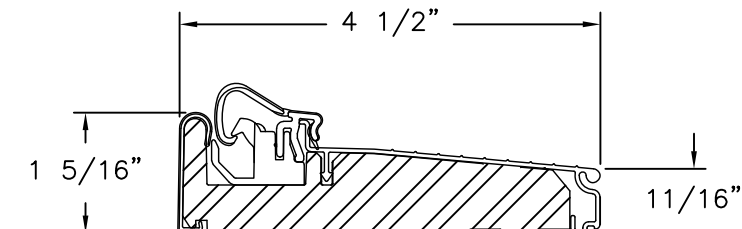
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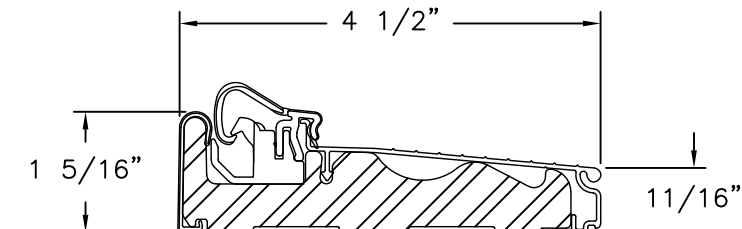
INSWING SILL ZAILH4565



INSWING SILL ZACL4565



INSWING SILL ZAC4565F

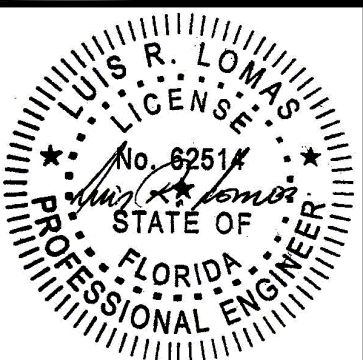


INSWING SILL ZACLH4565

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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/TRANSOM NON-IMPACT COMPONENTS		
DRAWN: N.G.	DWG NO. 08-02071	REV L
SCALE NTS	DATE 06/19/13	SHEET 15 OF 15
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