

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	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).
SIDELITE SKIN MATERIAL: STEEL .022" 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
15. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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17	COMPONENTS

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

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

DRAWN:
J.L.

DWG NO.
08-02072

REV
L

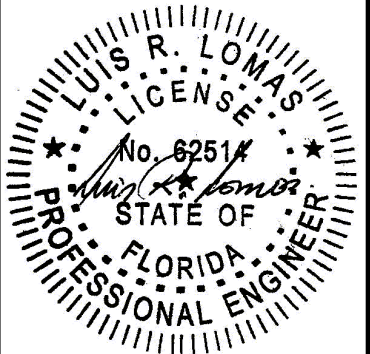
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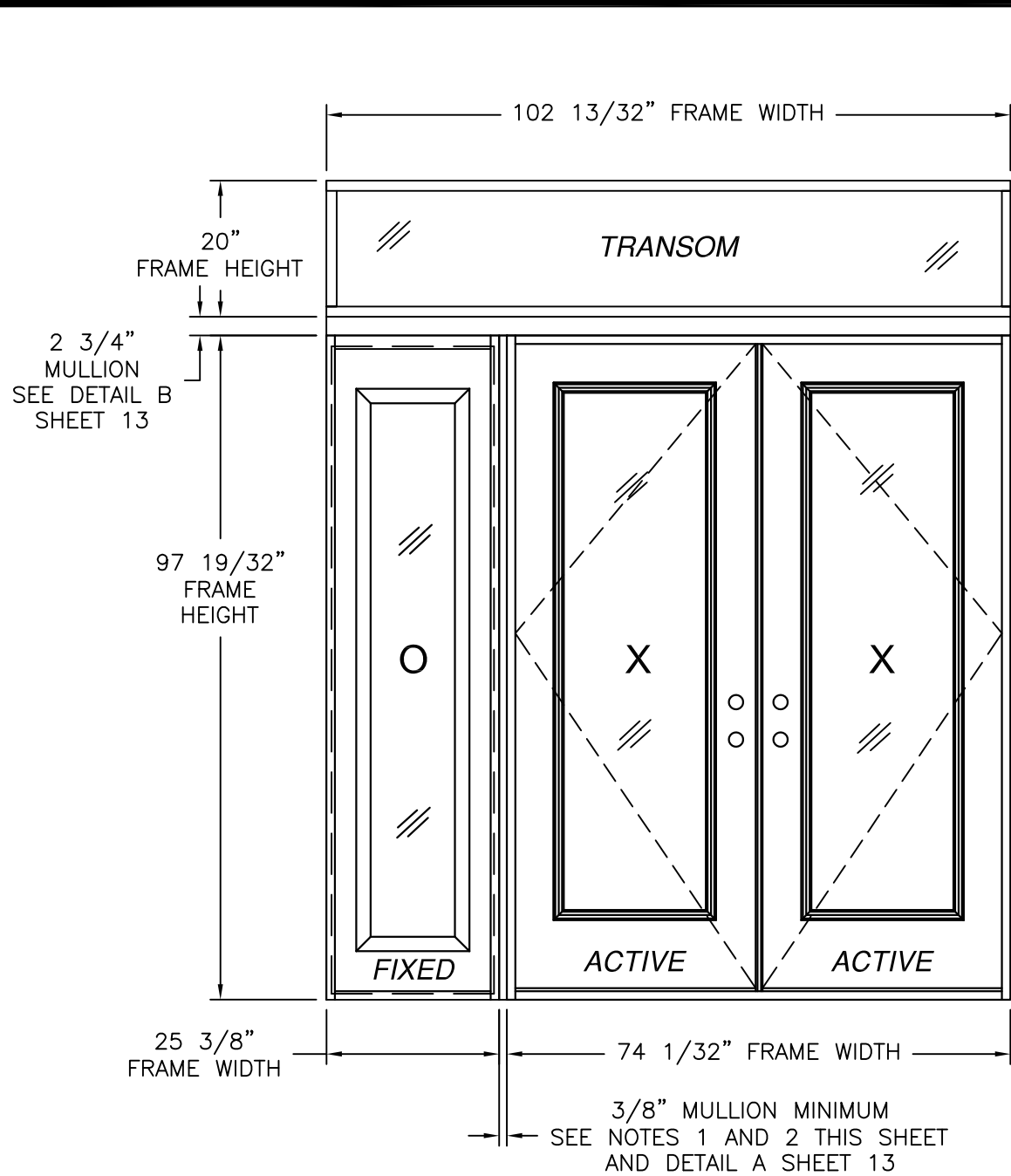
SHEET 1 OF 17

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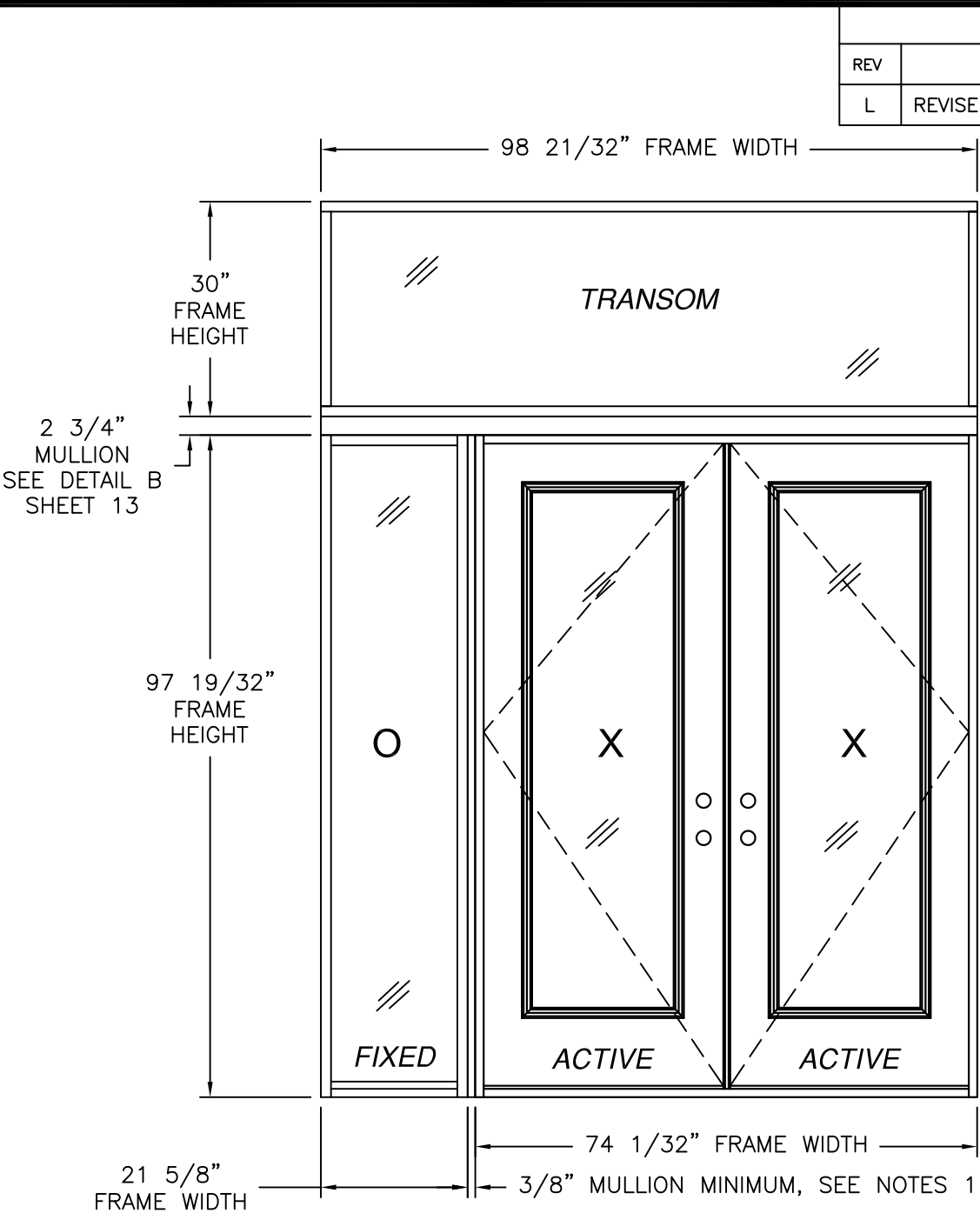
SIGNED: 09/08/2026



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



DOUBLE W/ STD SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED



DOUBLE W/ DIRECT SET SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

- D.L.O. NOTES:
1. MAXIMUM DOOR D.L.O.: 20 3/8" X 78 1/2"
 2. MAXIMUM STD. SIDELITE D.L.O.: 12 3/8" X 78 3/8"
 3. MAXIMUM DIRECT SET SIDELITE D.L.O.: 18 5/8" X 93 3/4"
 4. MAXIMUM TRANSOM D.L.O. WIDTH: 127 25/32"
 5. MAXIMUM TRANSOM D.L.O. HEIGHT: 27"

- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 3" AT VERTICAL MULLION.
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.

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

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)

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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
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WITH FIBERGLASS SLAB

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±50.0PSF	NONE
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WITH STEEL SLAB AND PANOLOCK MULTI-POINT

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WITH FIBERGLASS SLAB AND PANOLOCK MULTI-POINT

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2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
ELEVATIONS

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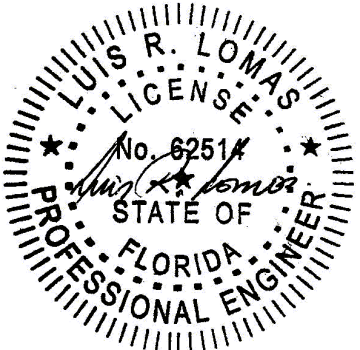
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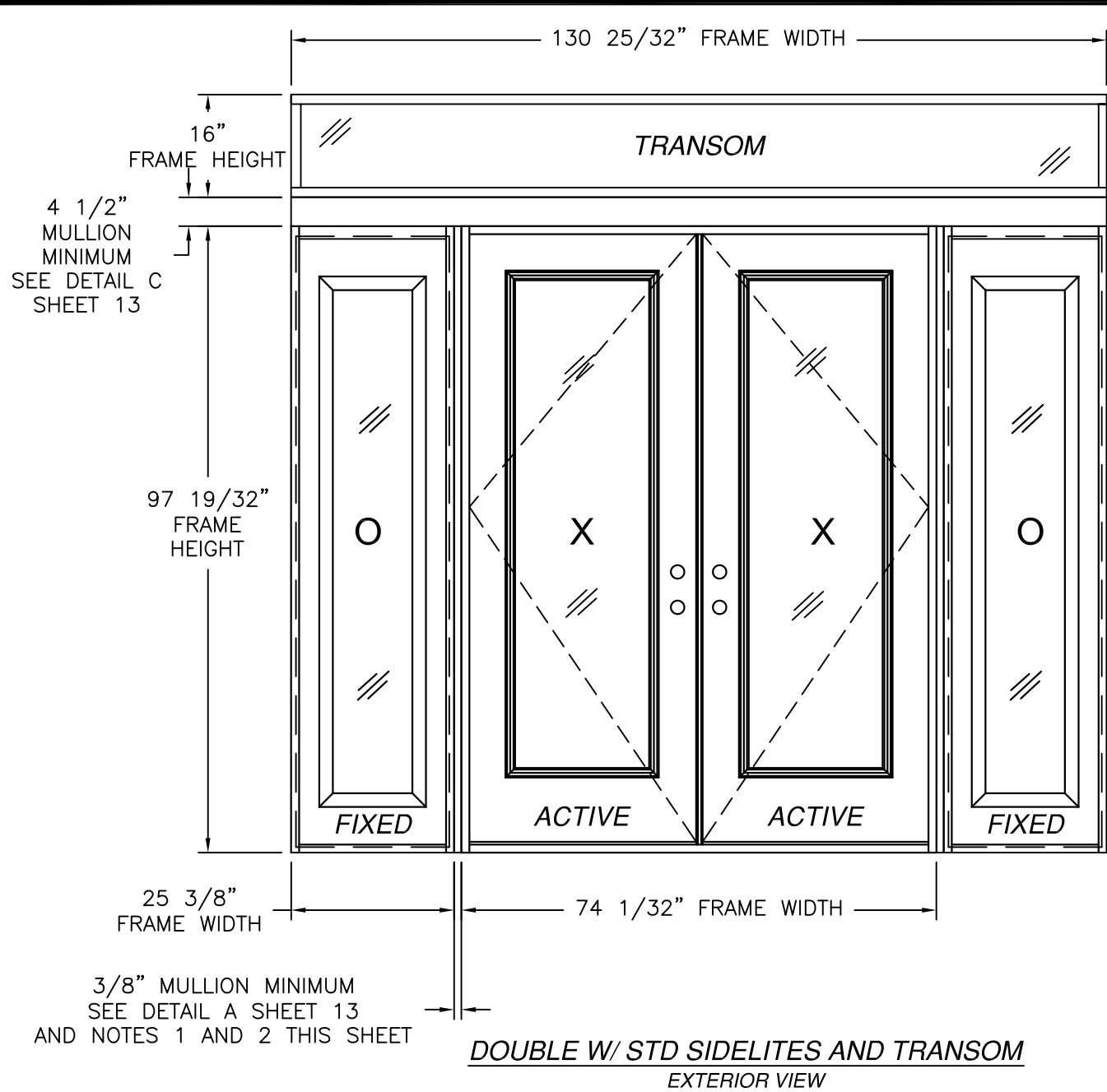
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SHEET
2 OF 17

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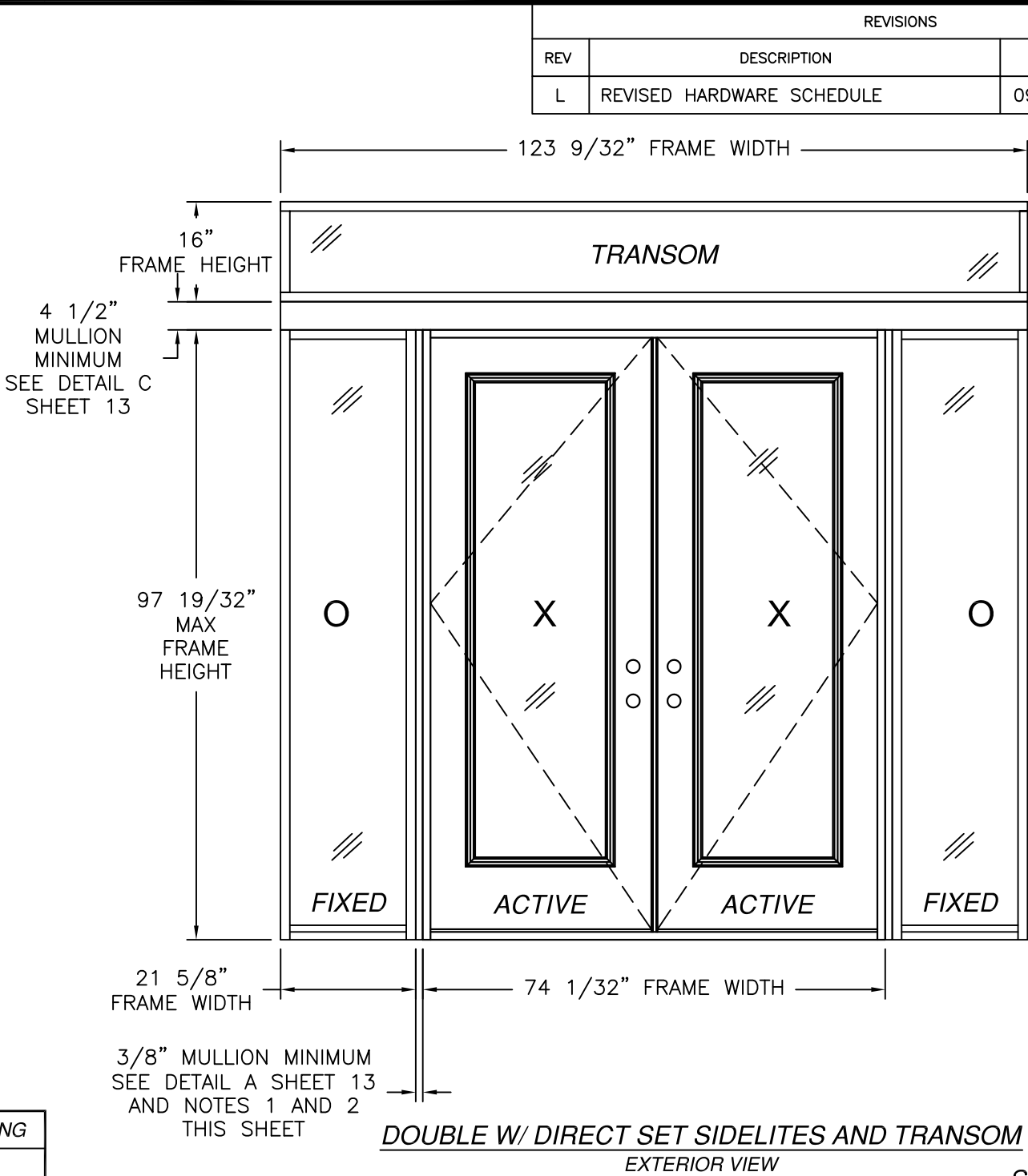
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WITH FIBERGLASS SLAB AND PANOLOCK MULTI-POINT

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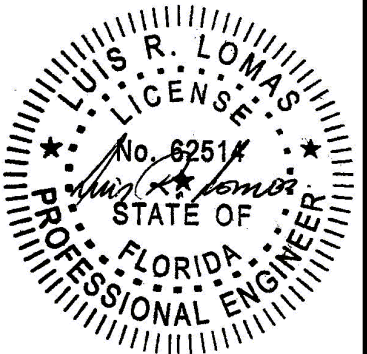
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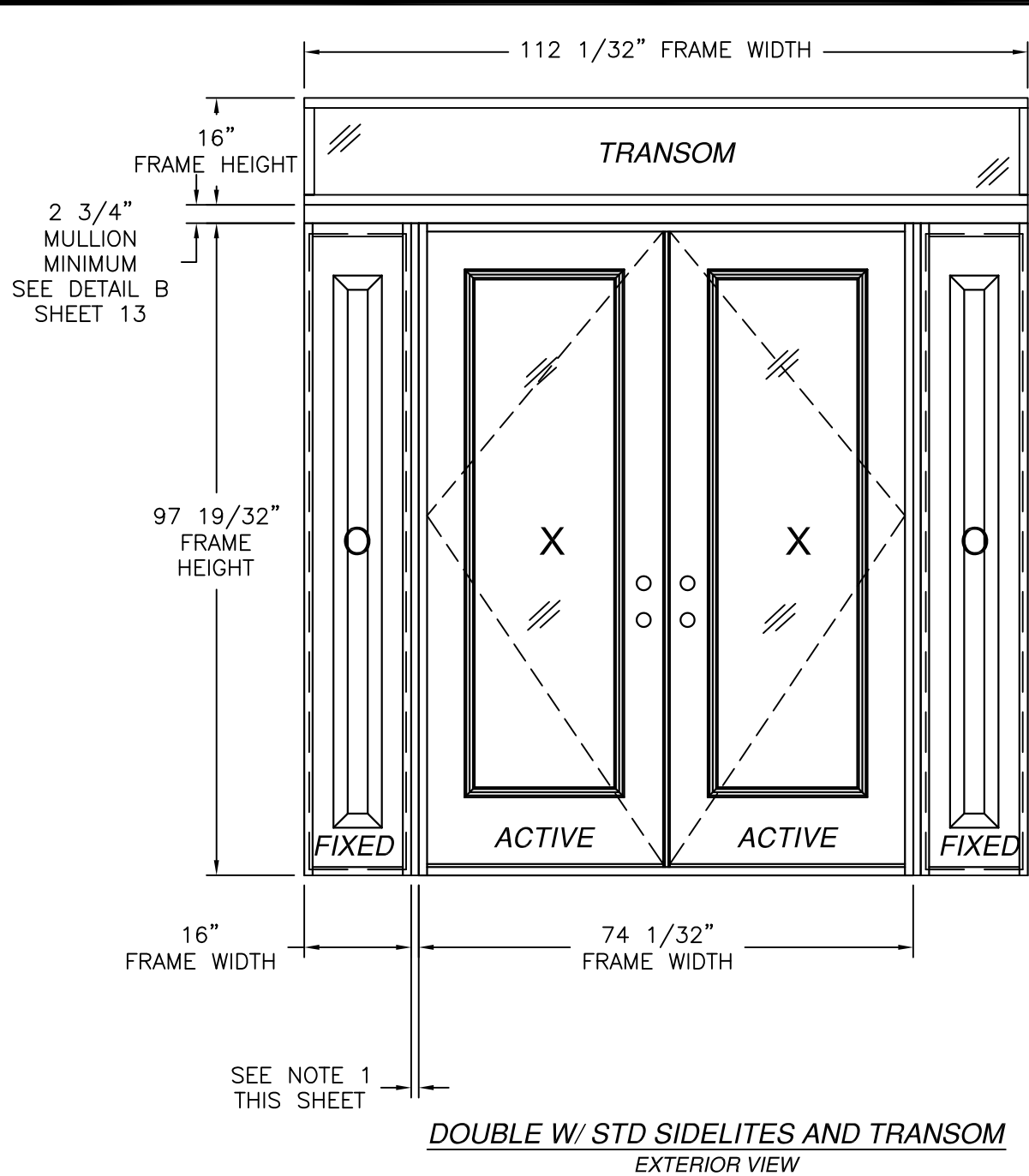
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DOUBLE W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW

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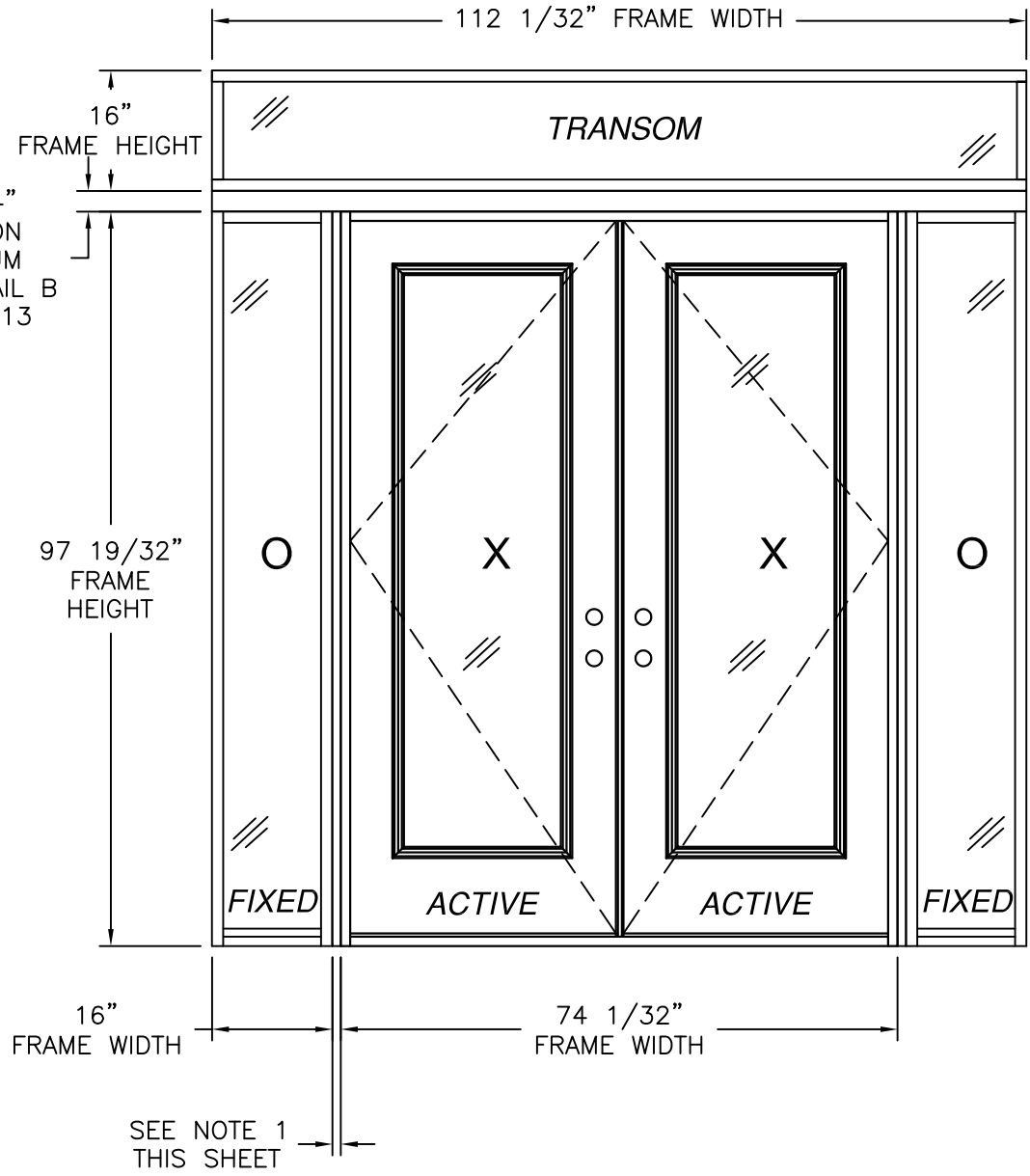
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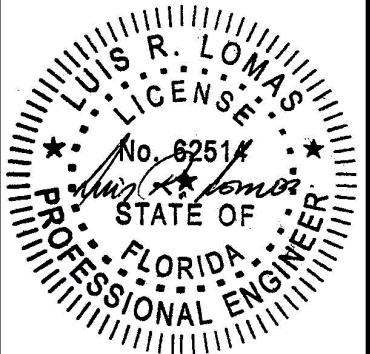
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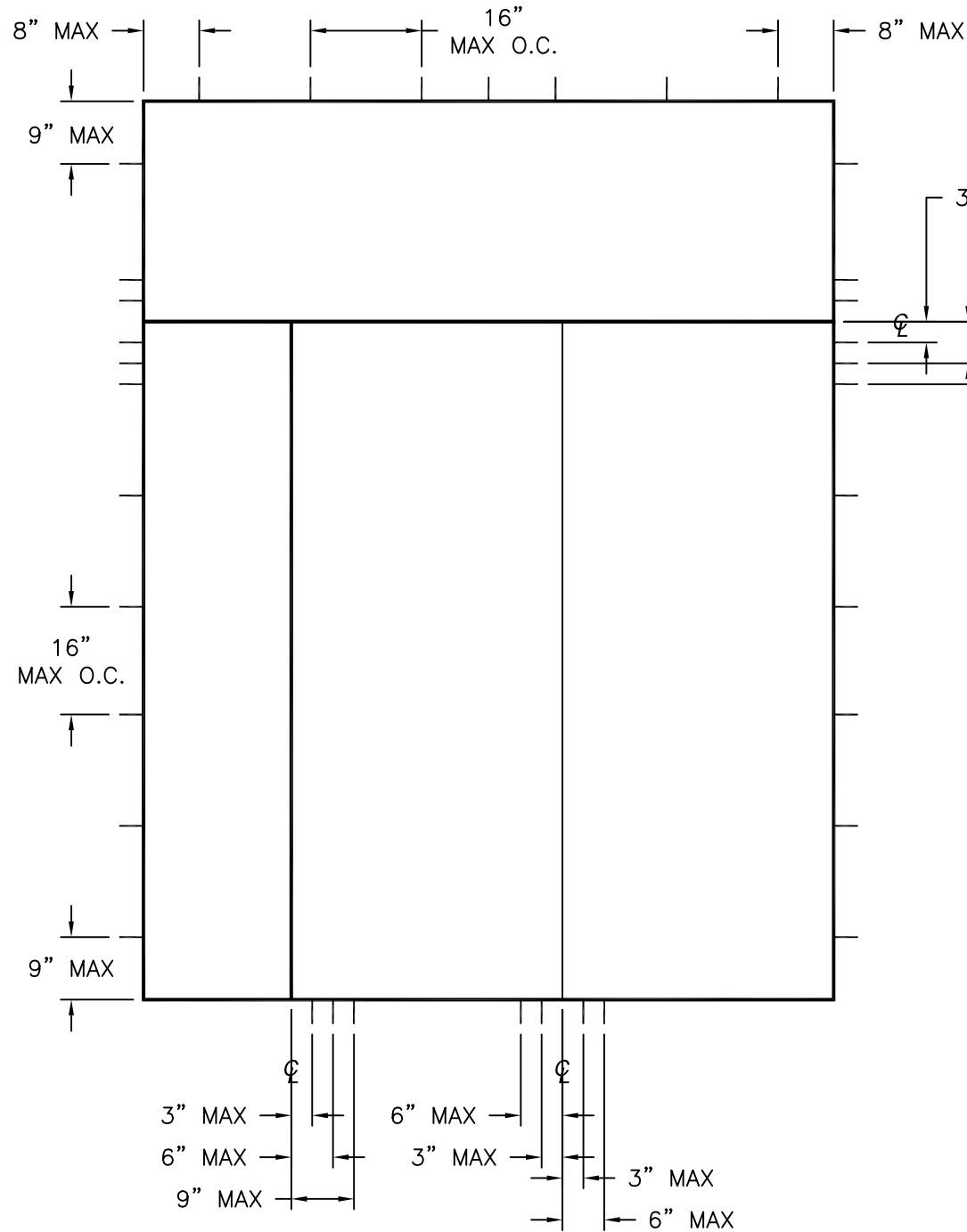
DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT ELEVATIONS		
DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 4 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

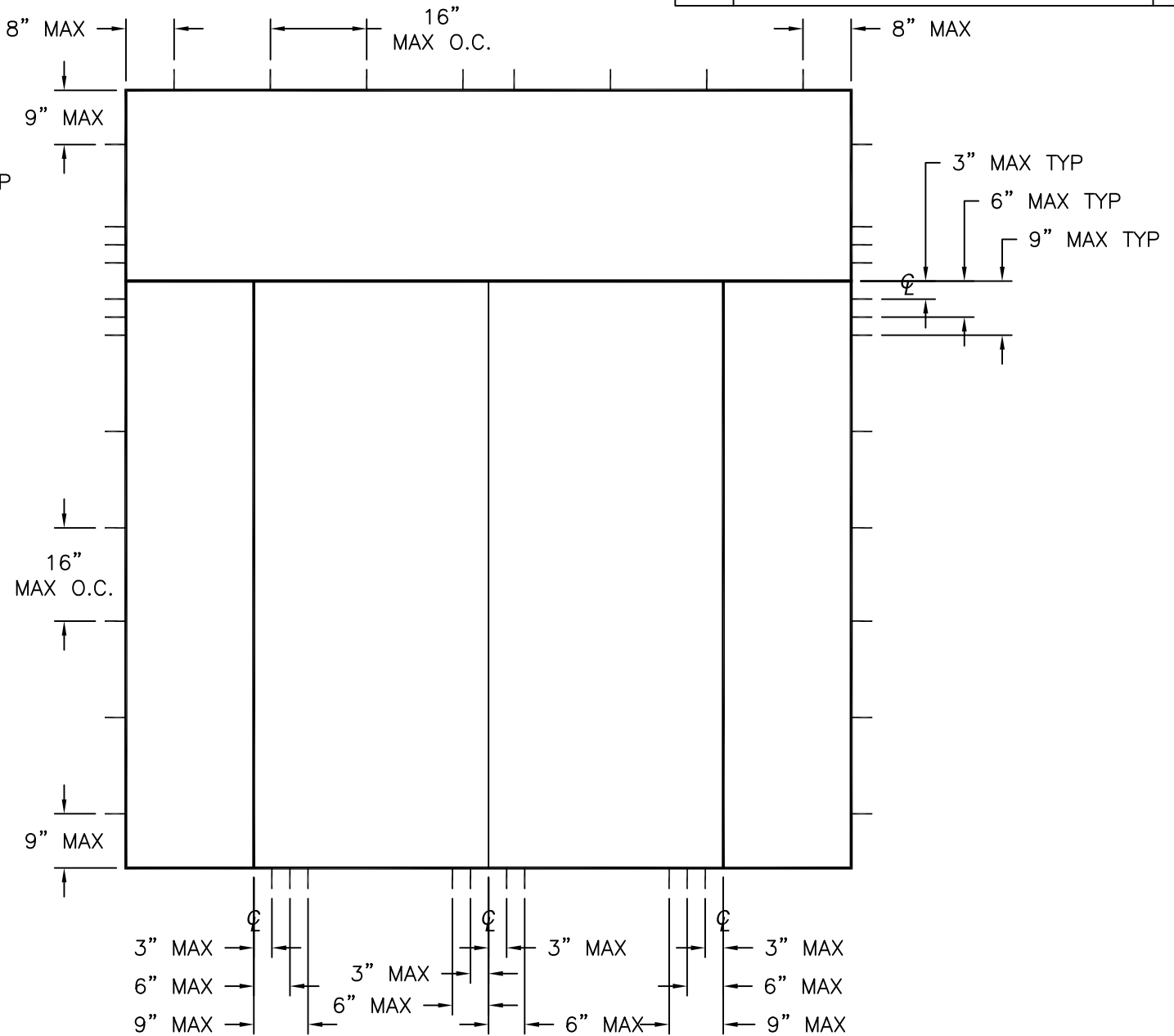
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DOUBLE DOOR W/SIDELITE AND TRANSOM
ANCHORING LAYOUT



DOUBLE DOOR W/SIDELITES AND TRANSOM
ANCHORING LAYOUT

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/SIDELITES & TRANSOM NON-IMPACT
ANCHORING LAYOUTS

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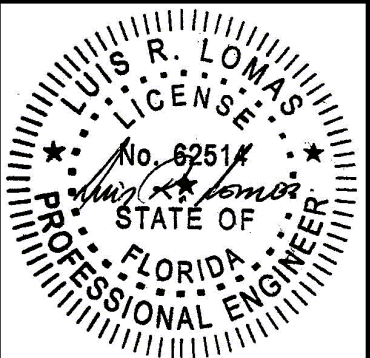
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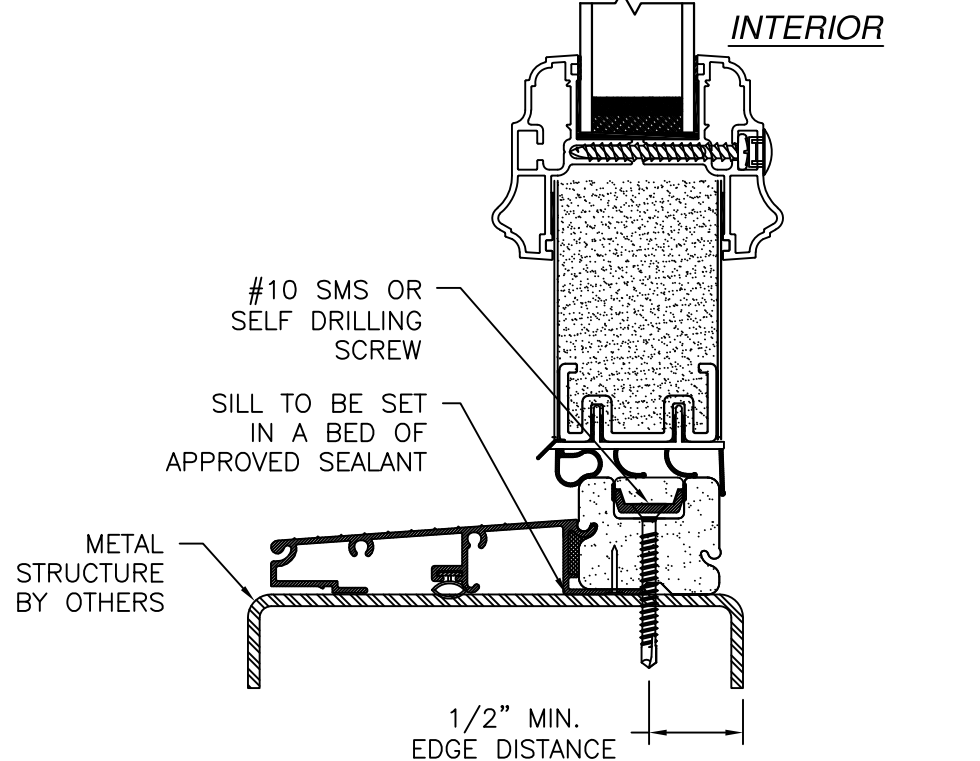
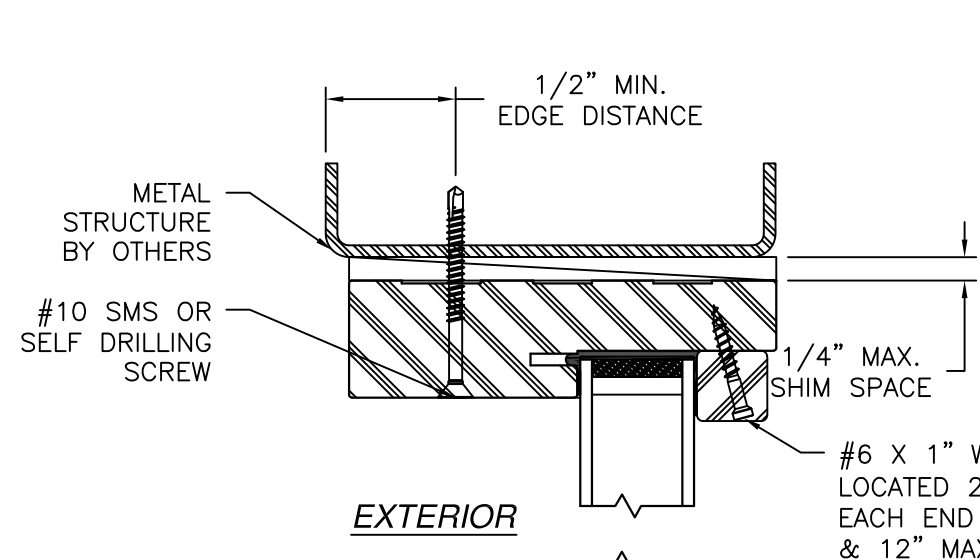
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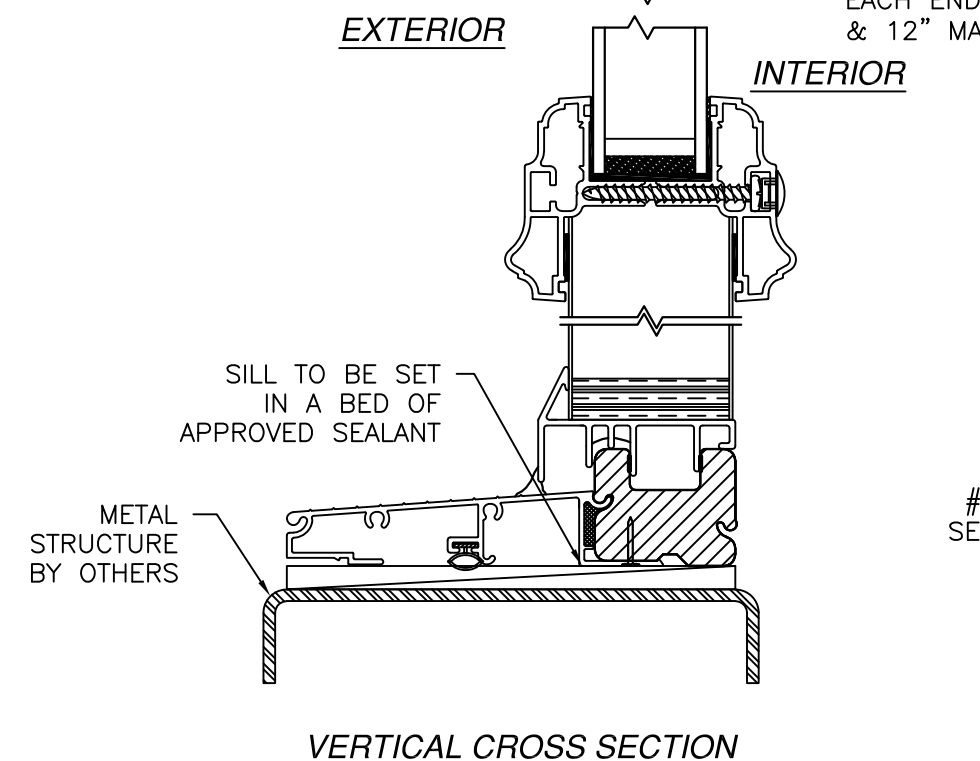
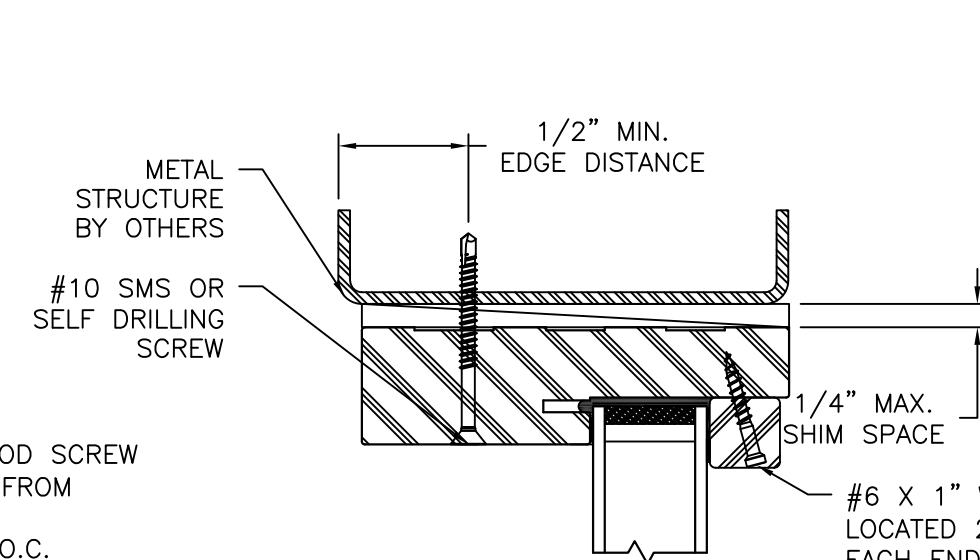
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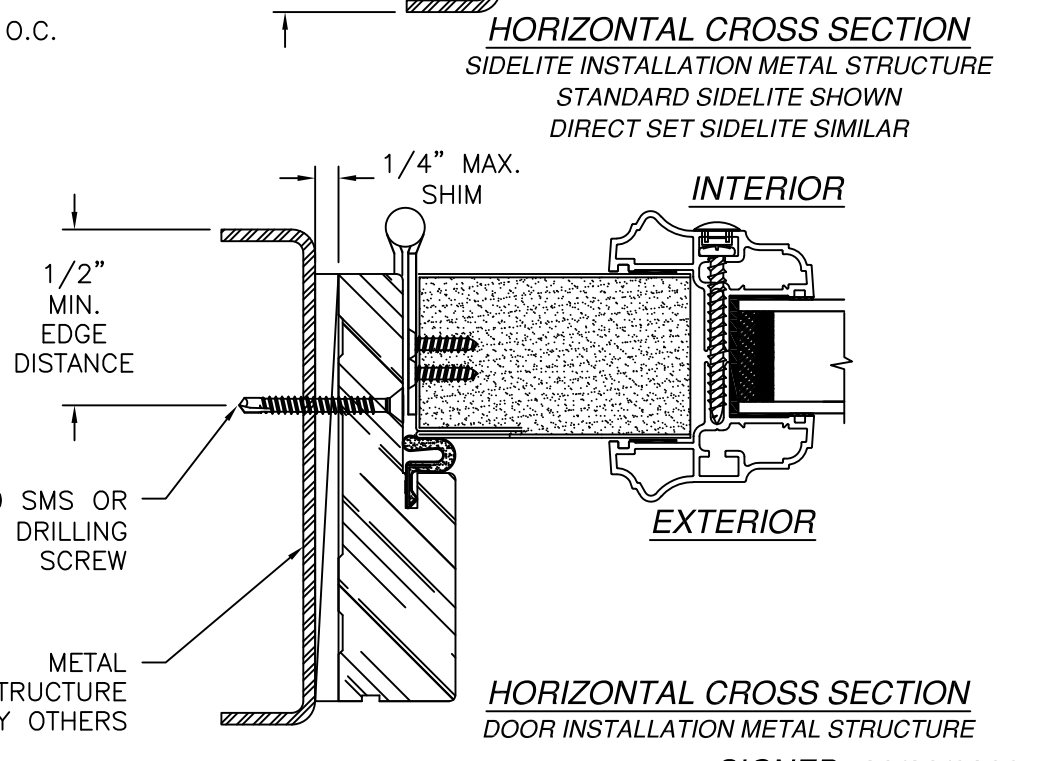
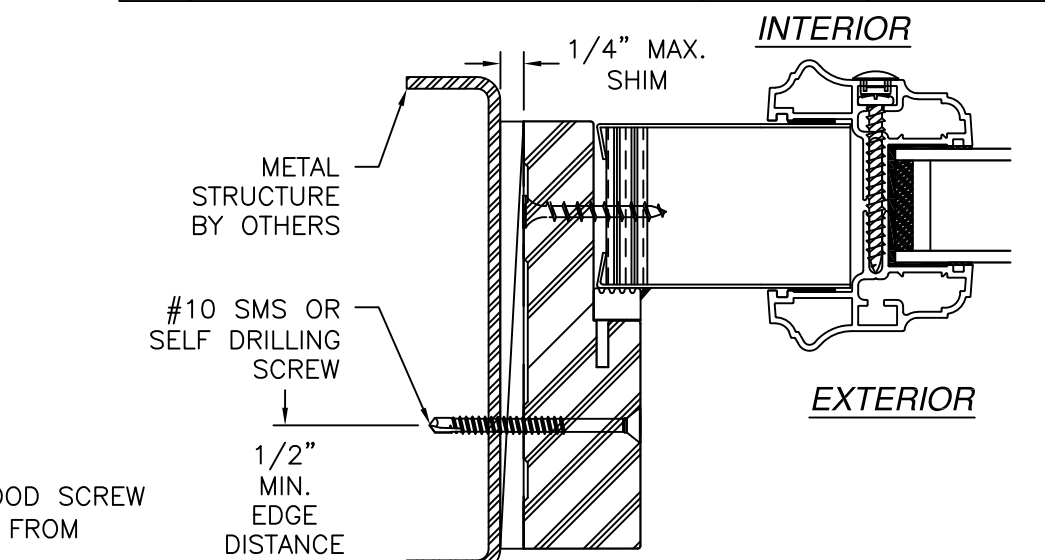
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



VERTICAL CROSS SECTION
SIDELITE AND TRANSOM INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE 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

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: J.L.

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SHEET 7 OF 17

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LUIS R. LOMAS

LICENS. M. S.

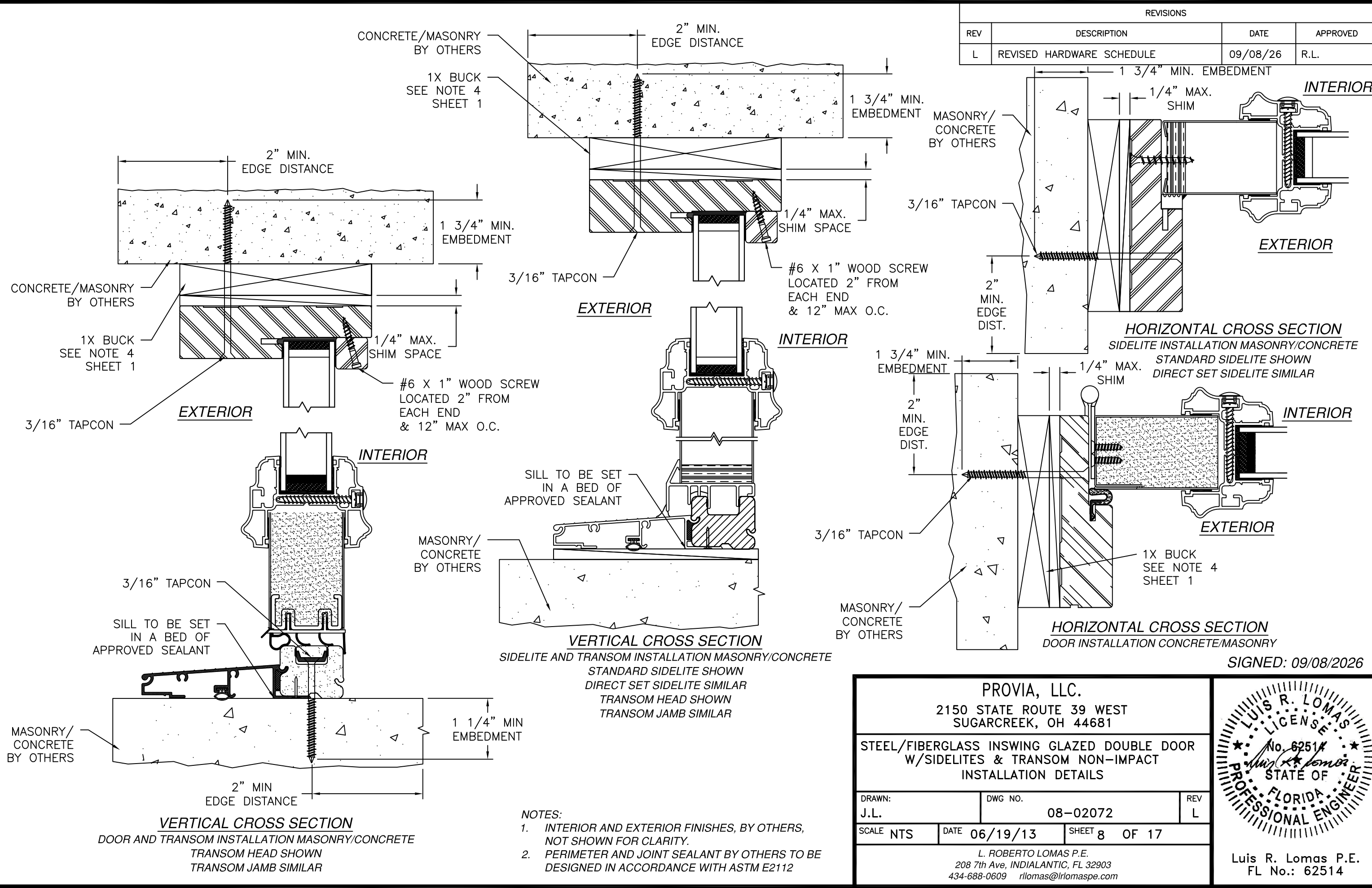
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STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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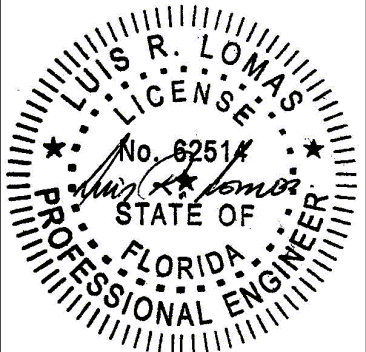
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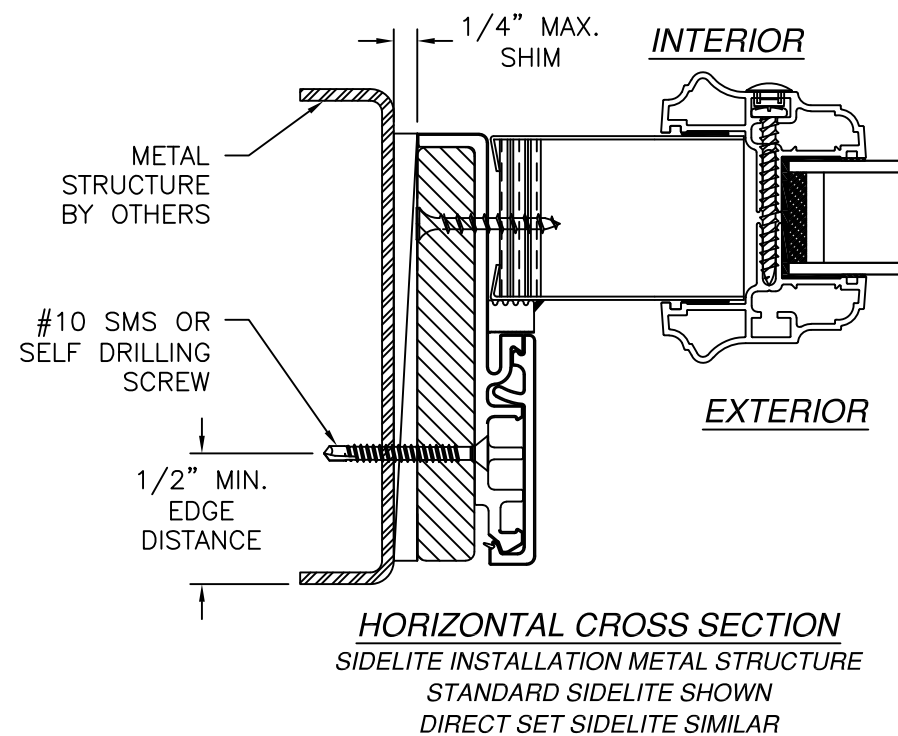
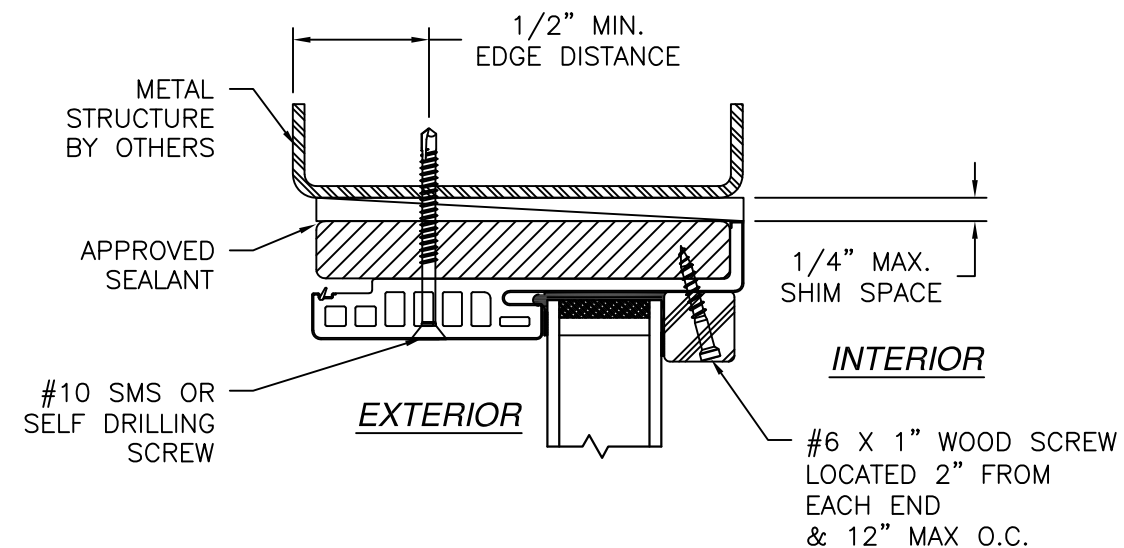
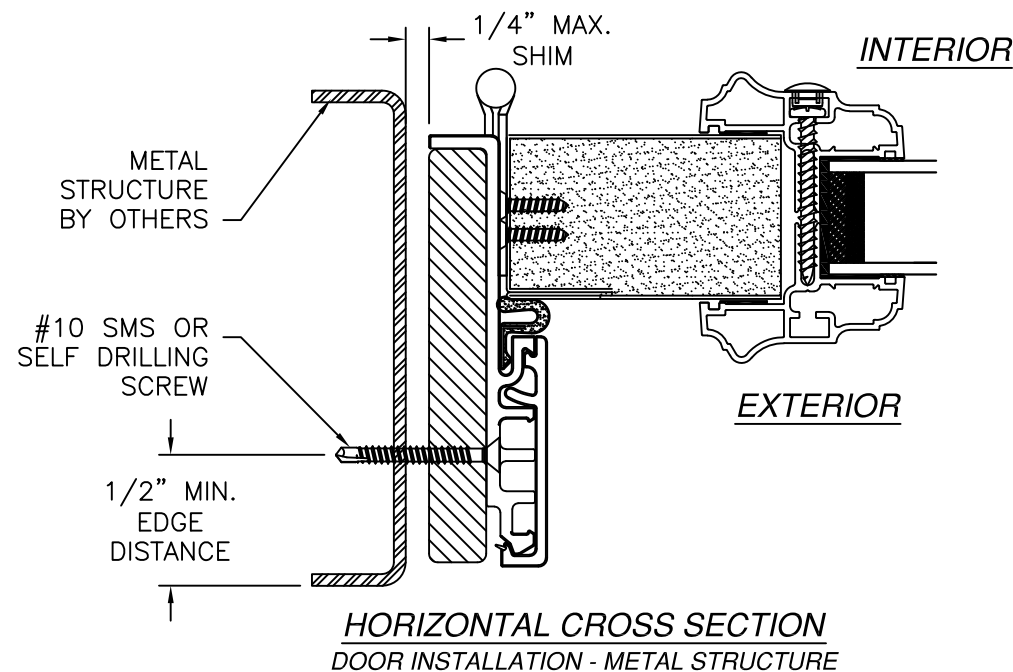
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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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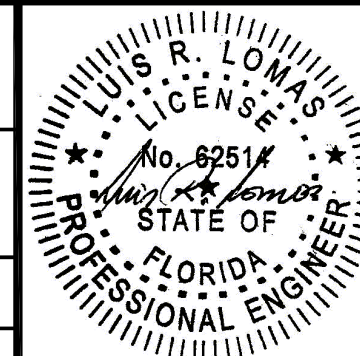
SHEET 10 OF 17

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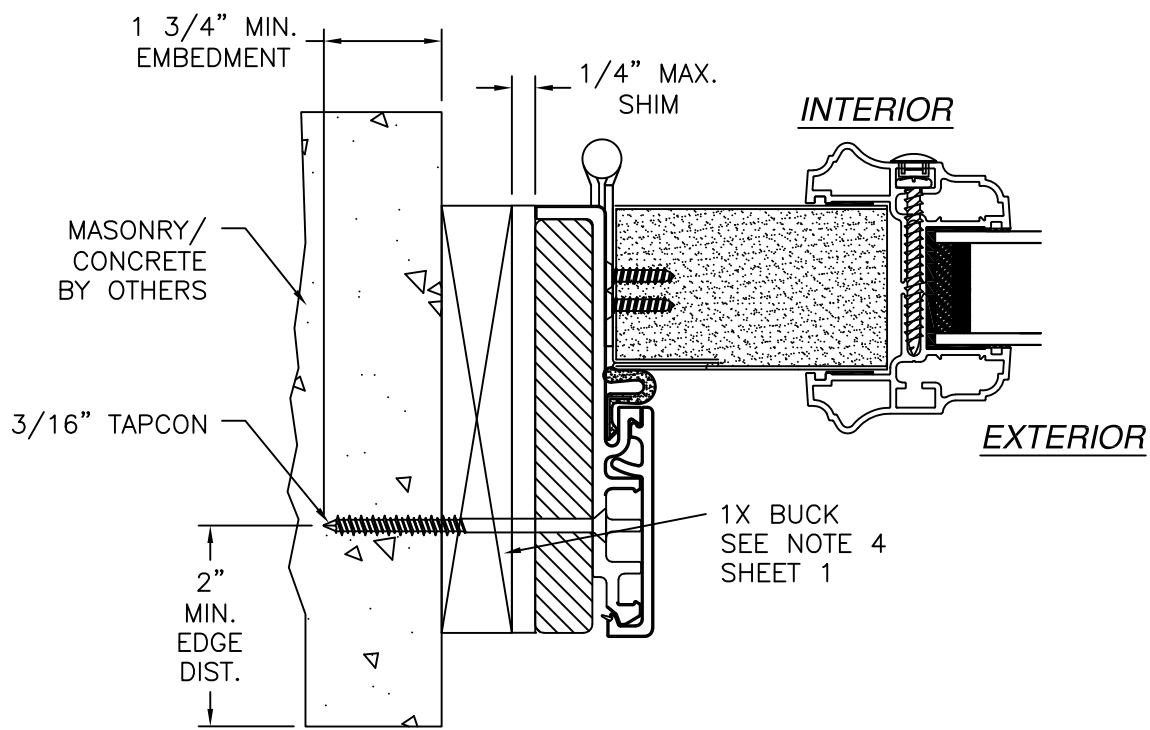
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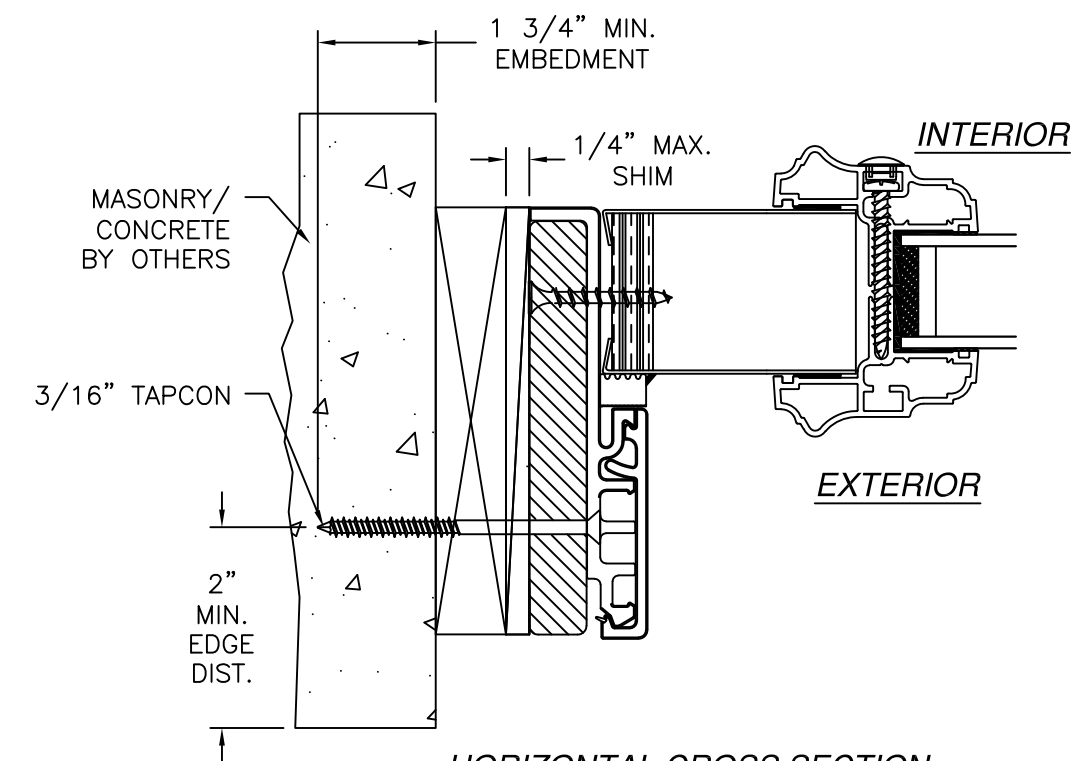


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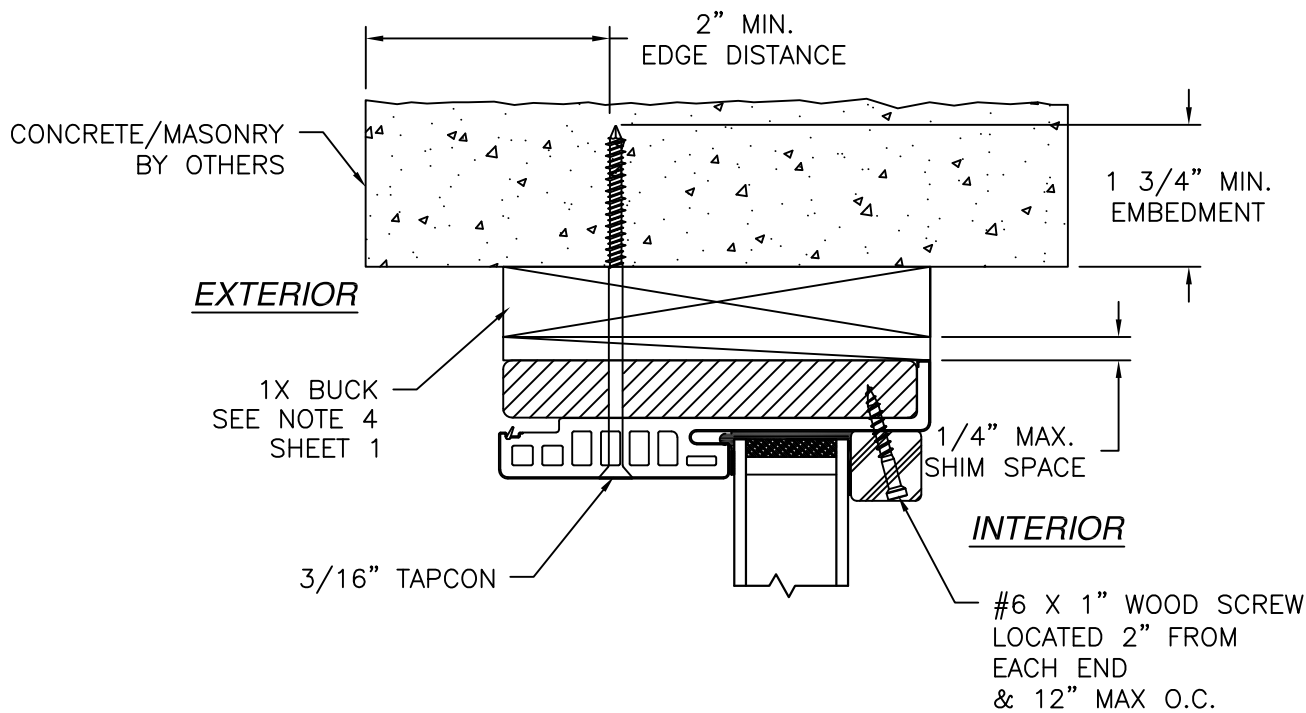


HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY



HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION MASONRY/CONCRETE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR

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

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SCALE NTS

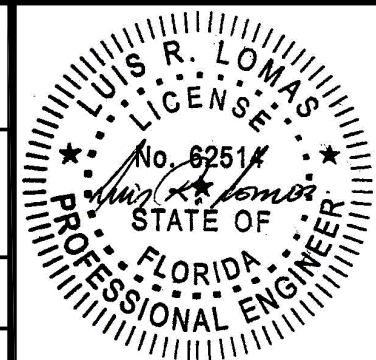
DATE 06/19/13

SHEET 11 OF 17

L. ROBERTO LOMAS P.E.

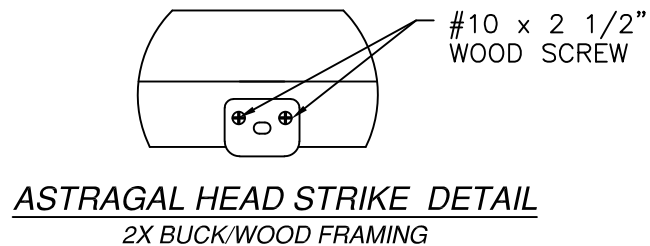
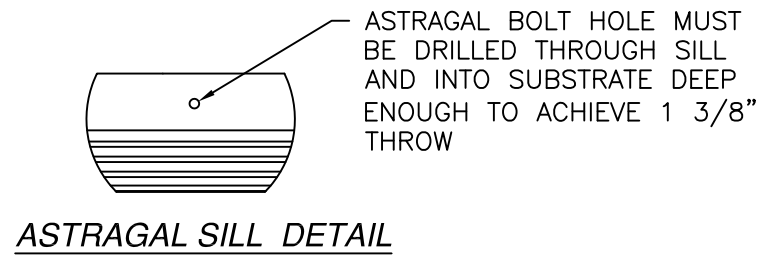
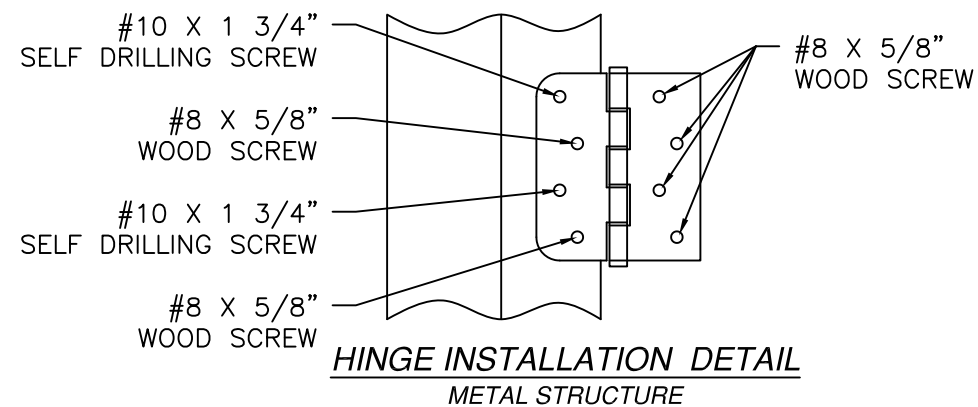
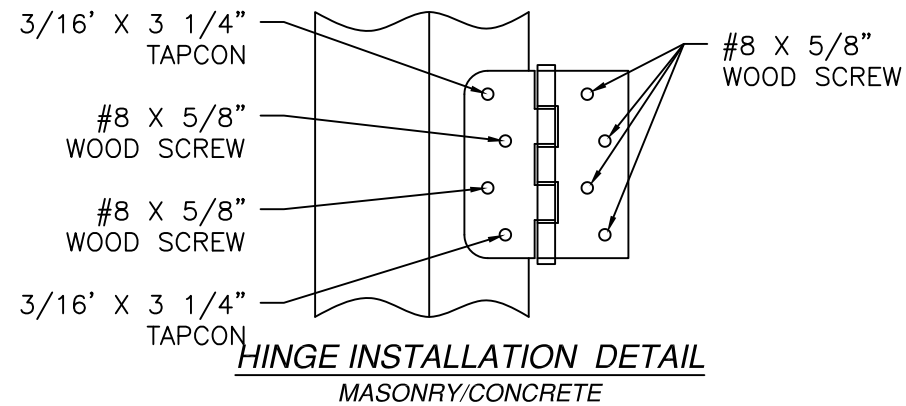
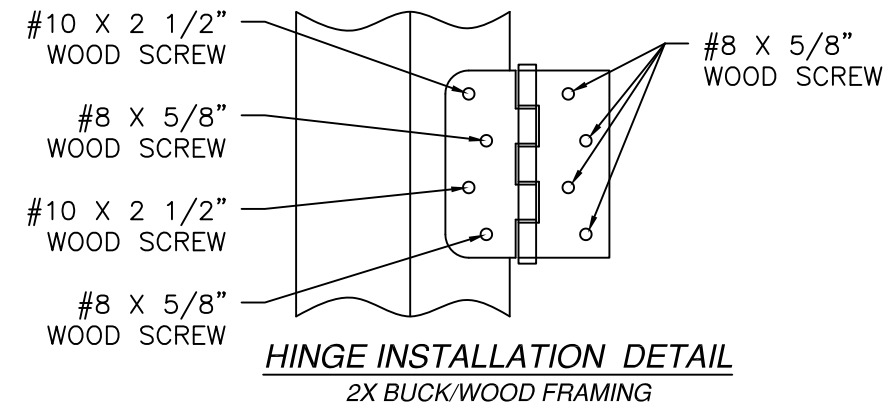
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

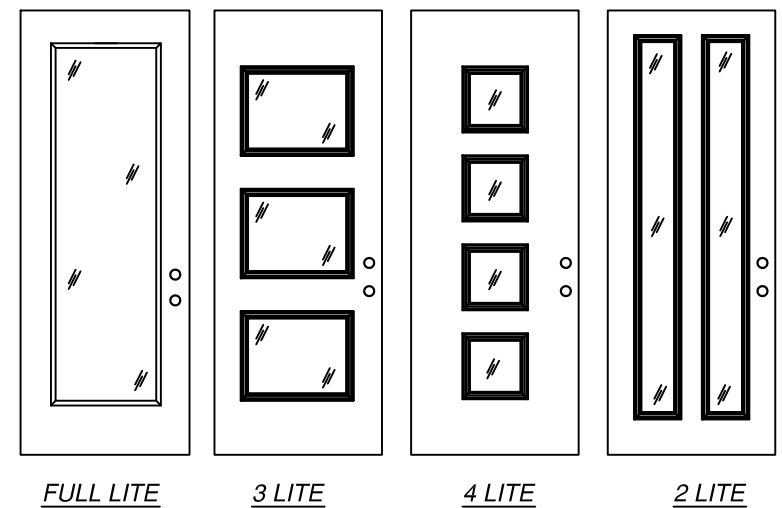


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.

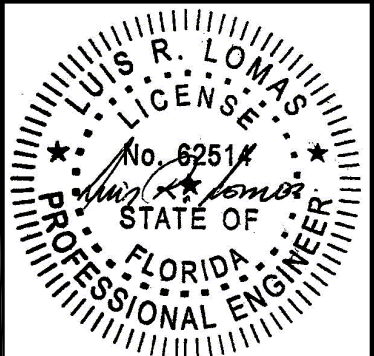


APPROVED LITE CONFIGURATIONS



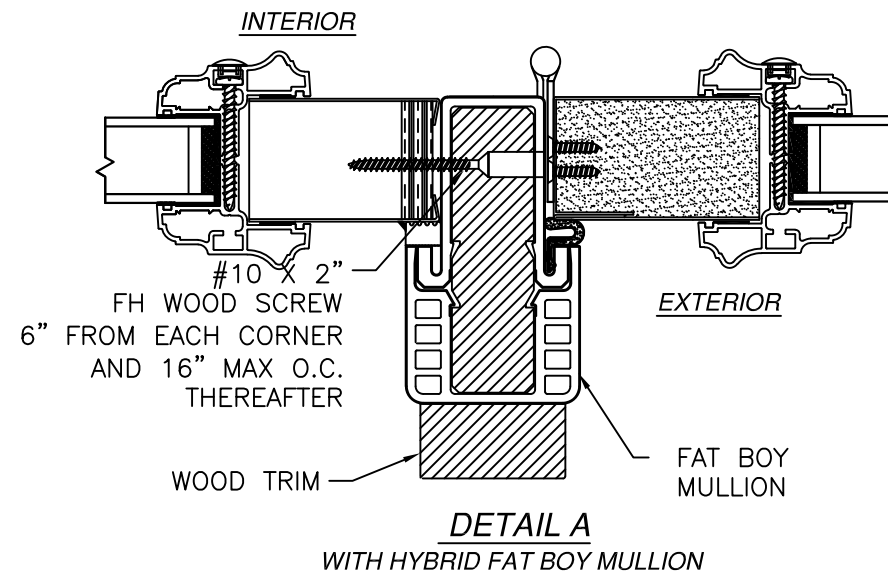
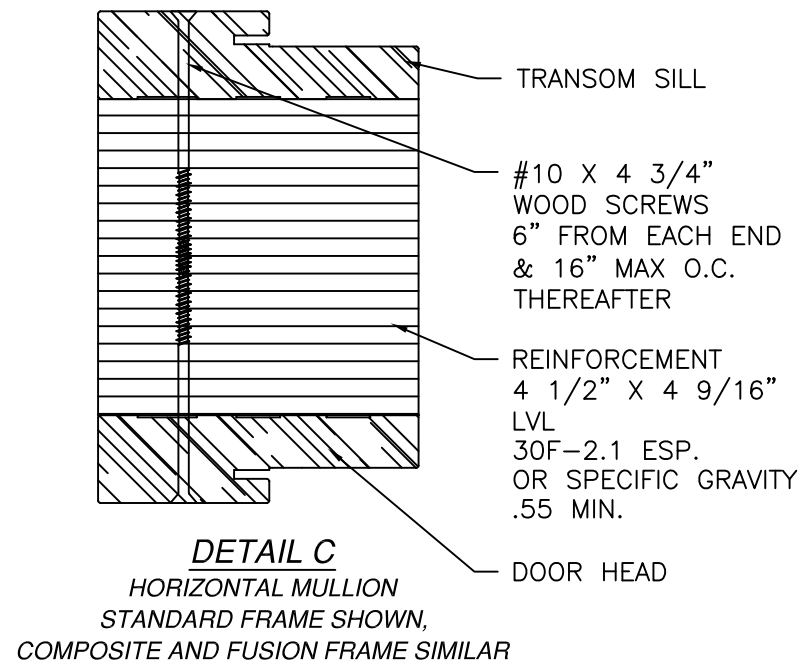
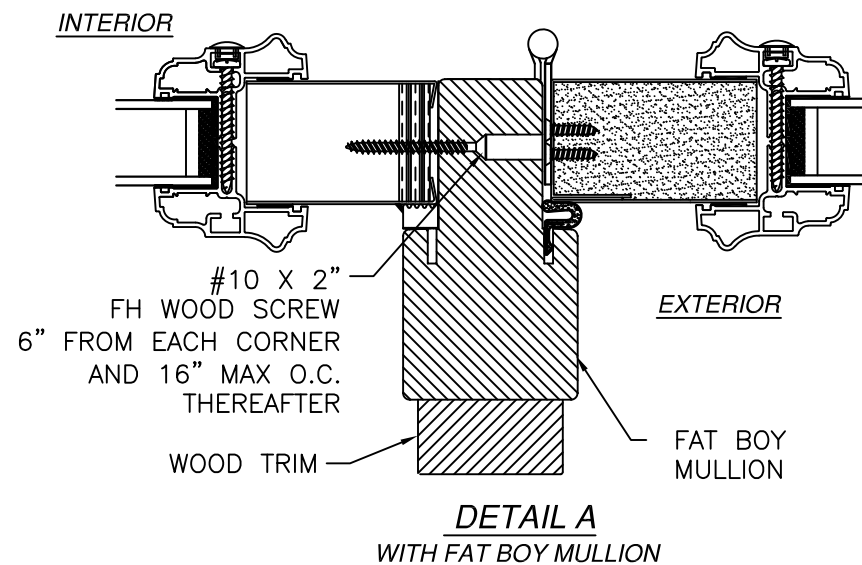
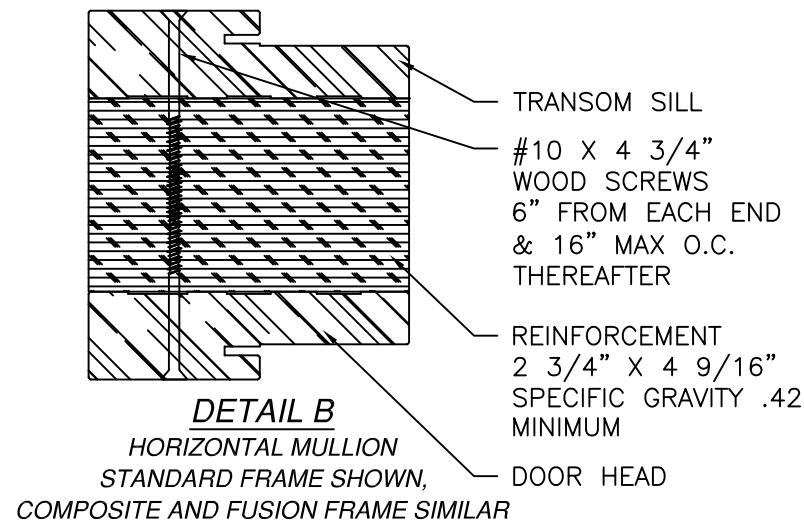
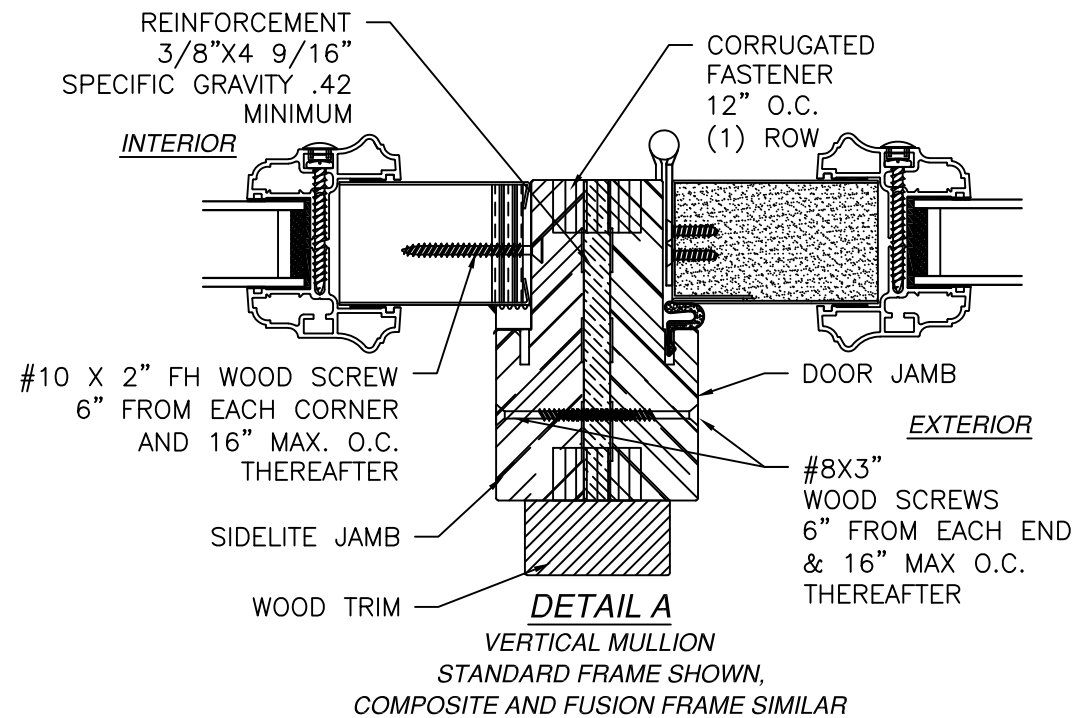
SIGNED: 09/08/2026

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT INSTALLATION DETAILS & APPROVED CONFIGURATIONS		
DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 12 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



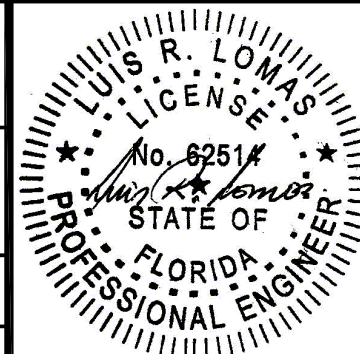
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.

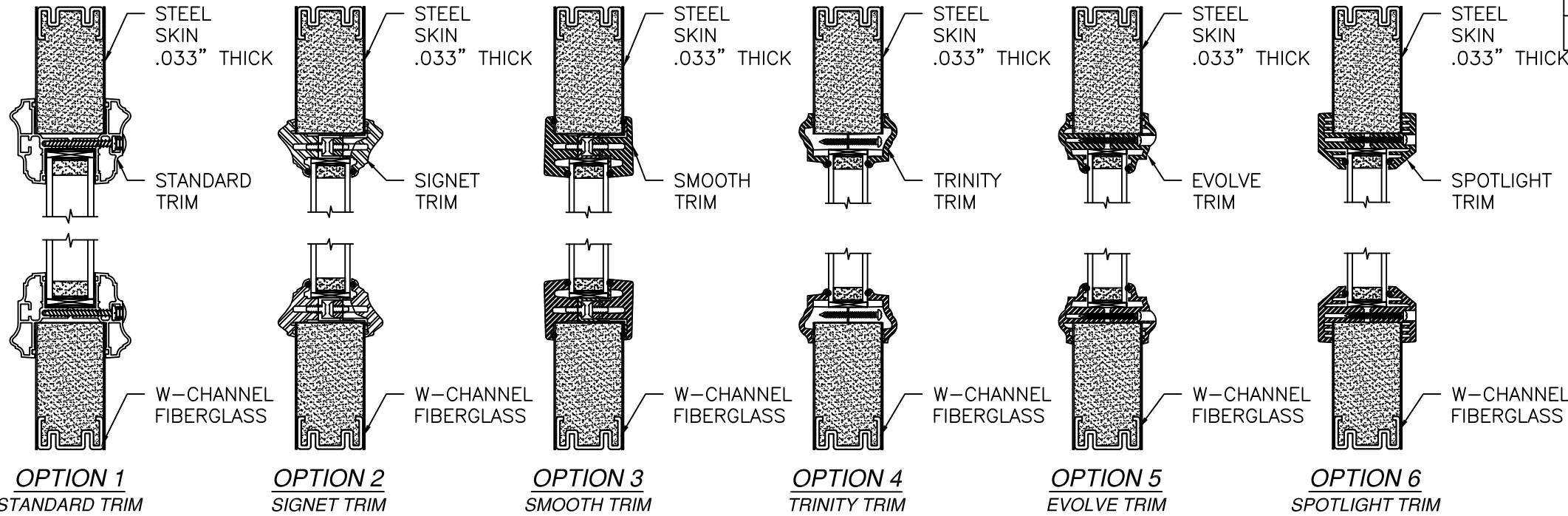


SIGNED: 09/08/2026

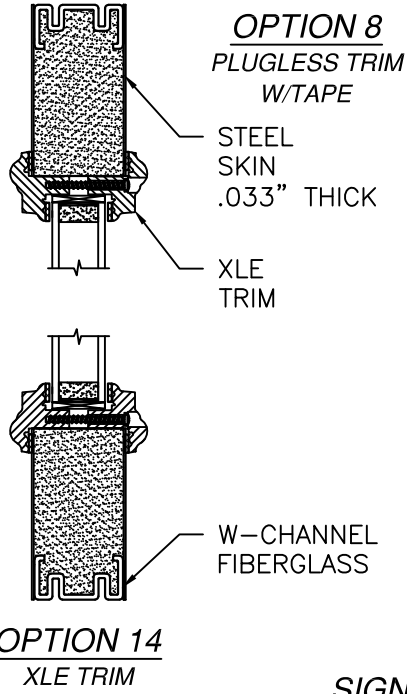
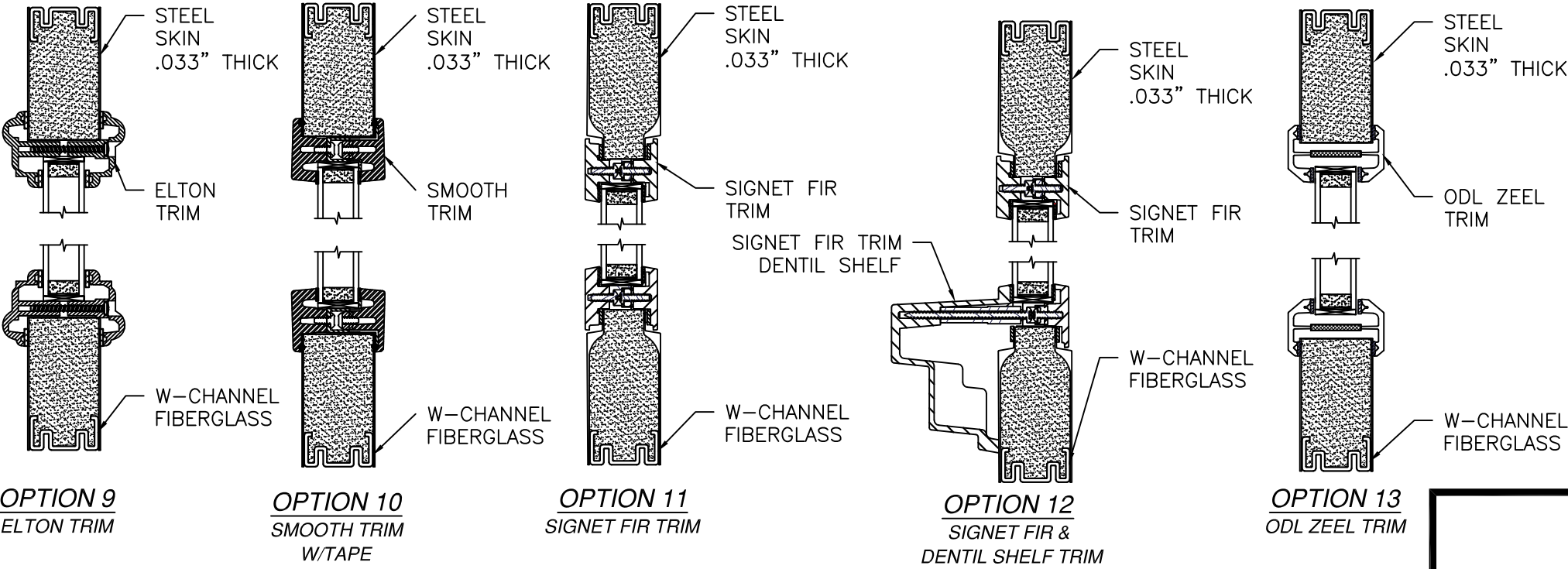
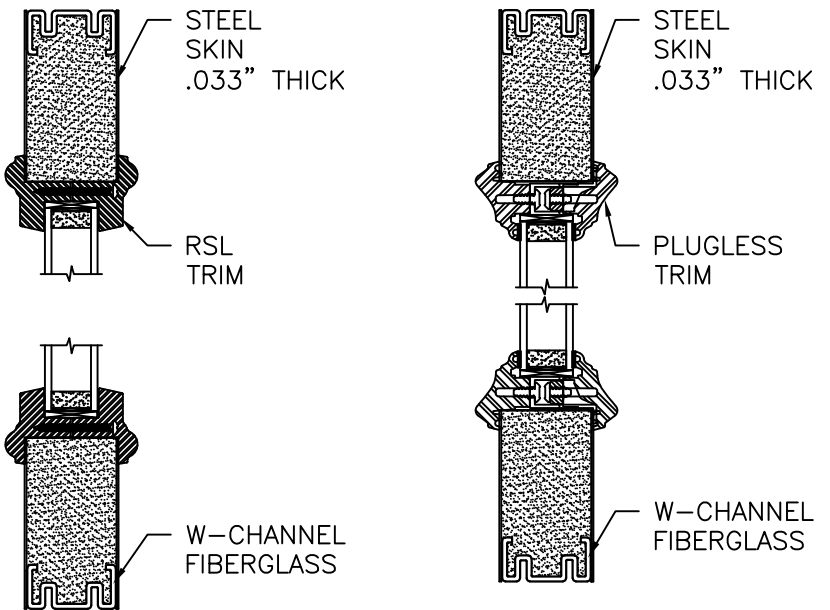
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT MULLION DETAILS		
DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 13 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.



APPROVED SLABS AND TRIMS

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

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

DRAWN:
J.L.

DWG NO.
08-02072

REV
L

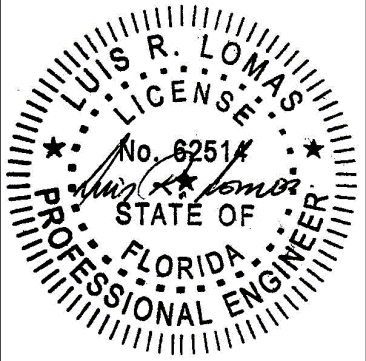
SCALE
NTS

DATE
06/19/13

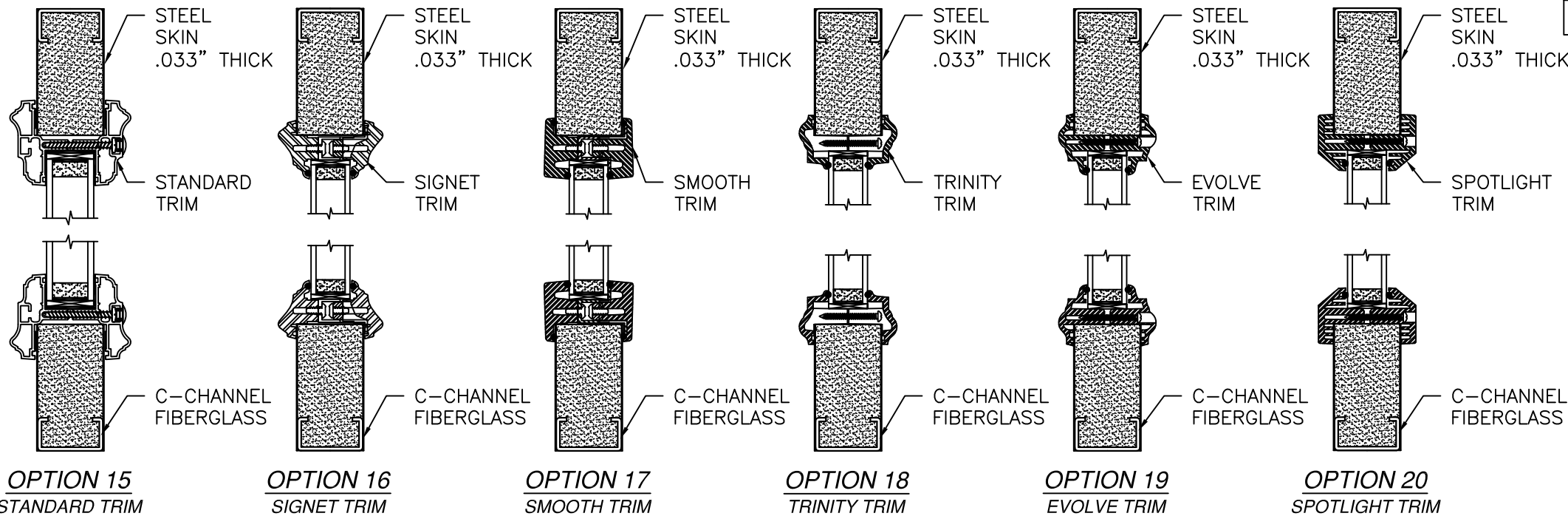
SHEET
14 OF 17

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

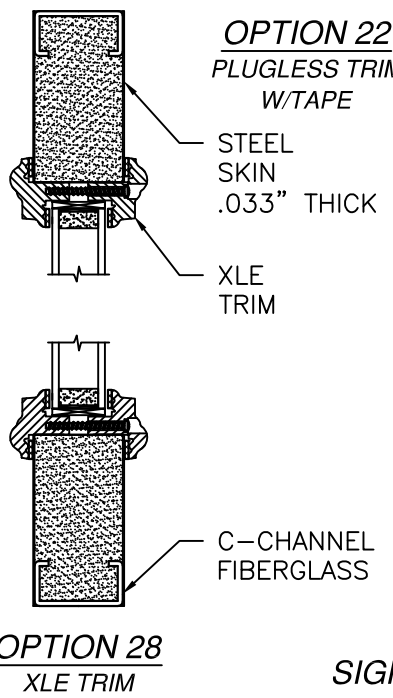
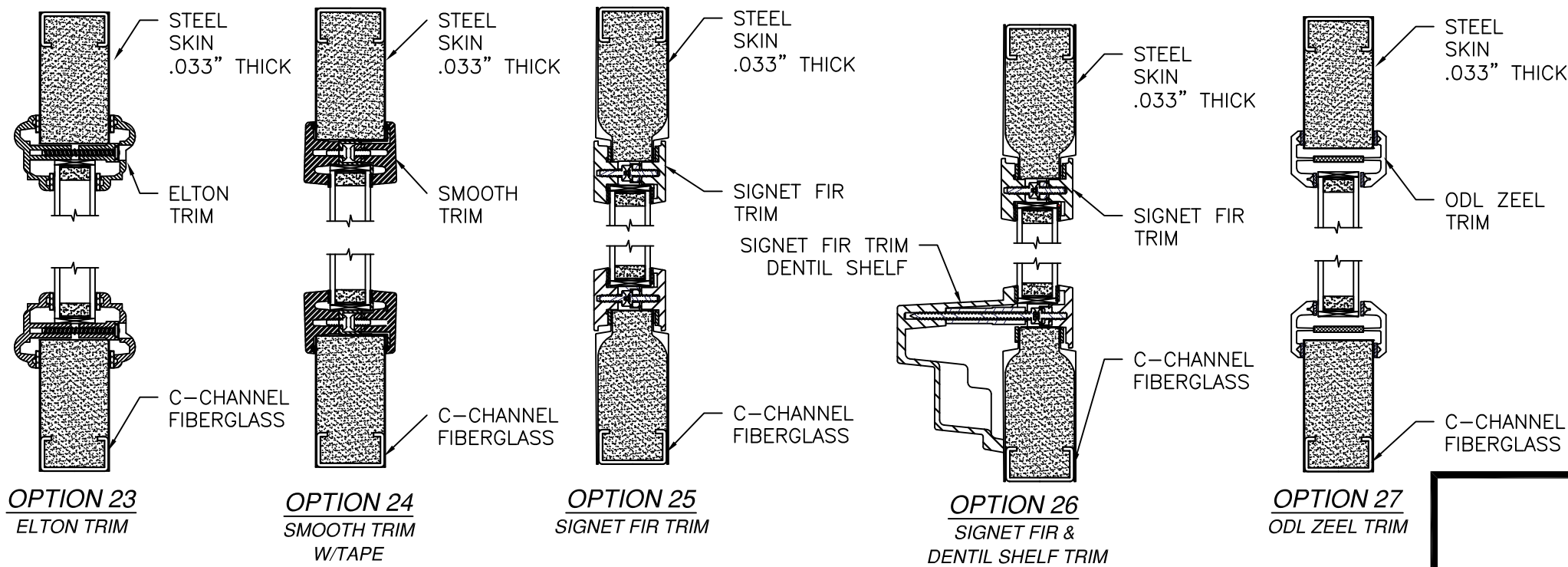
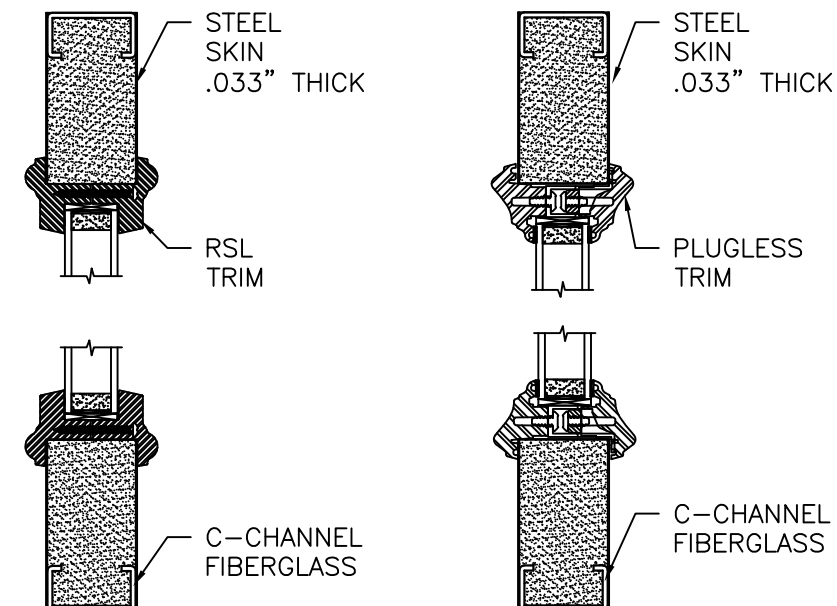
SIGNED: 09/08/2026



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.



APPROVED SLABS AND TRIMS

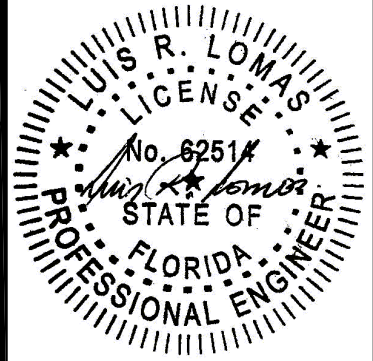
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 15 OF 17

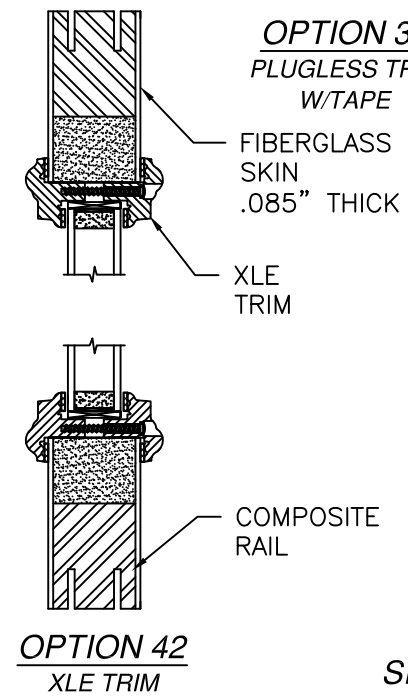
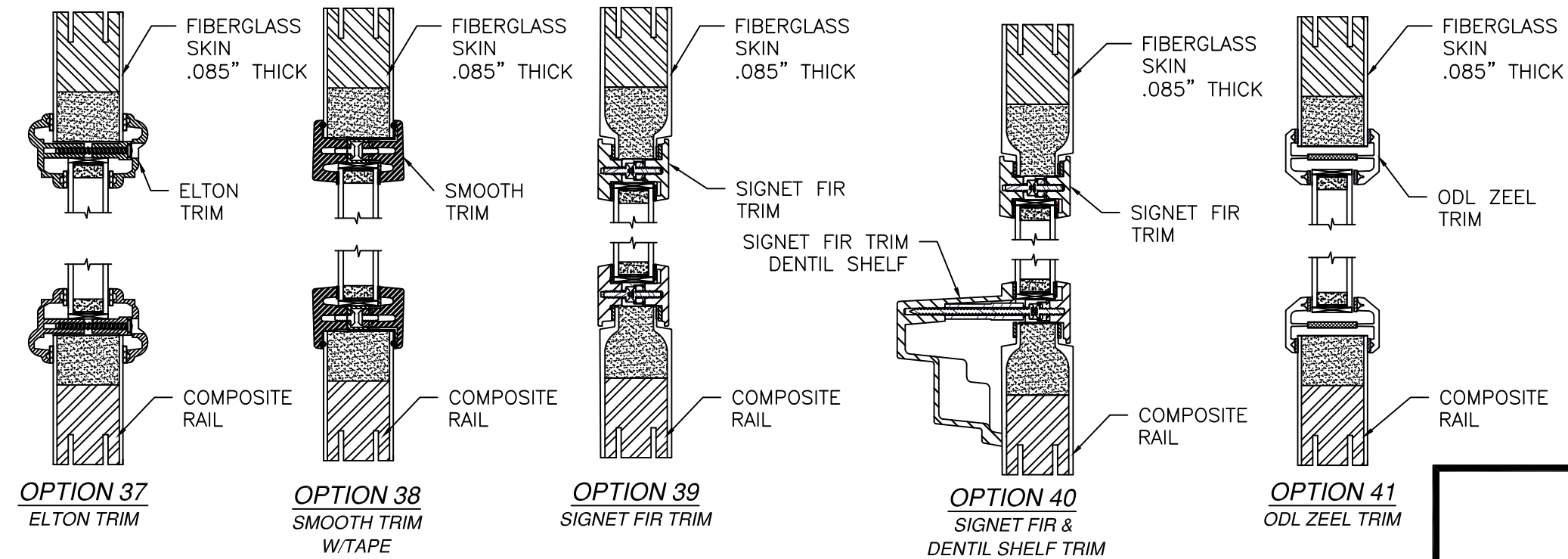
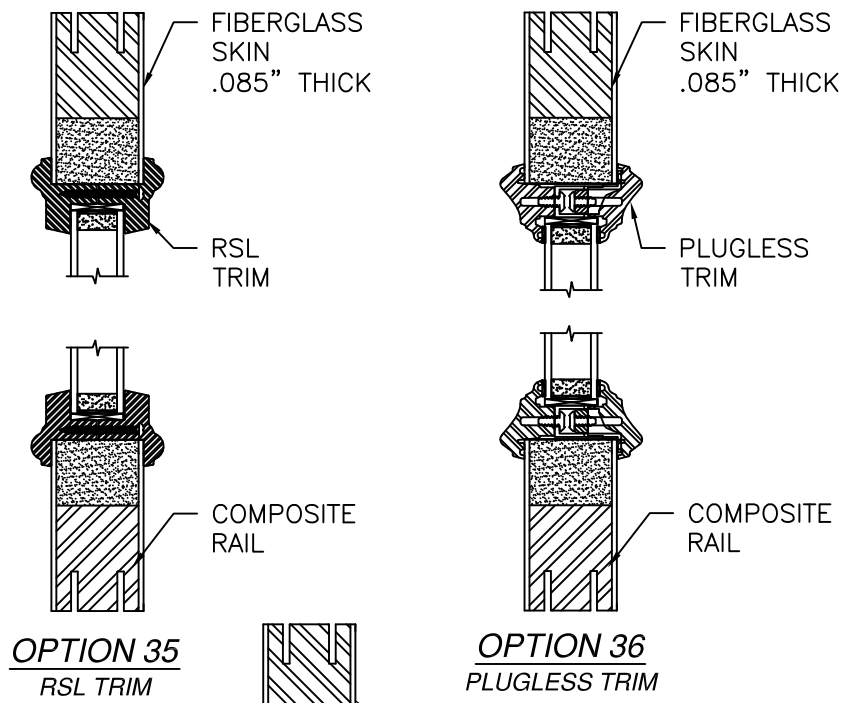
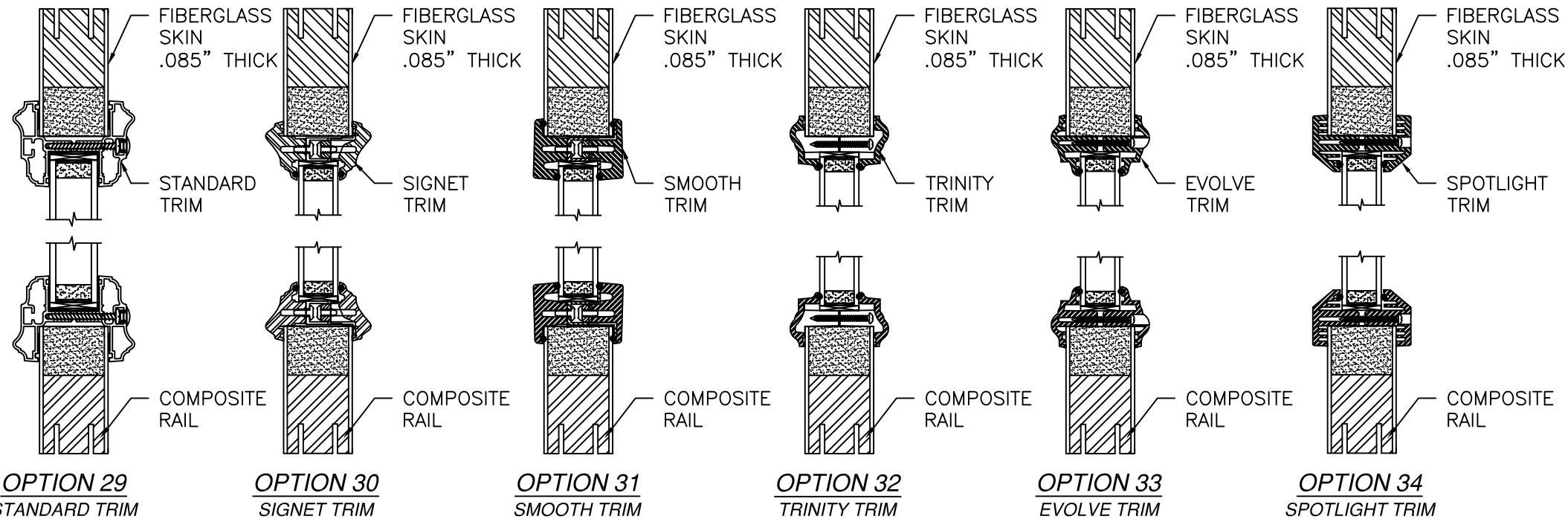
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/08/2026



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

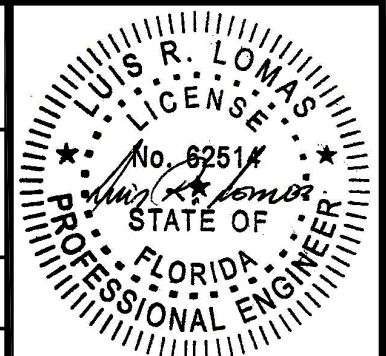
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.



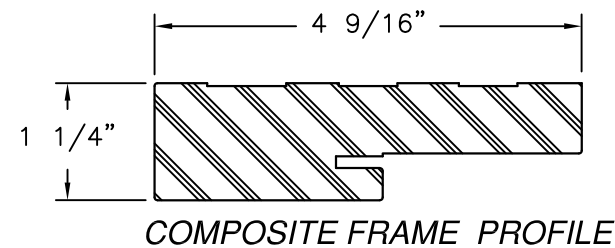
APPROVED SLABS AND TRIMS

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT APPROVED SLABS AND TRIMS		
DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 16 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

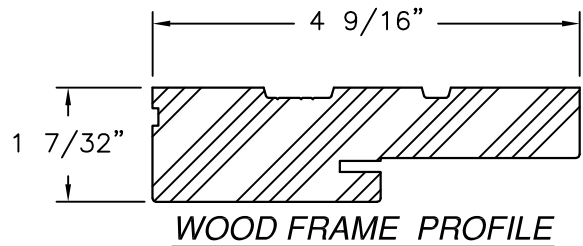
SIGNED: 09/08/2026



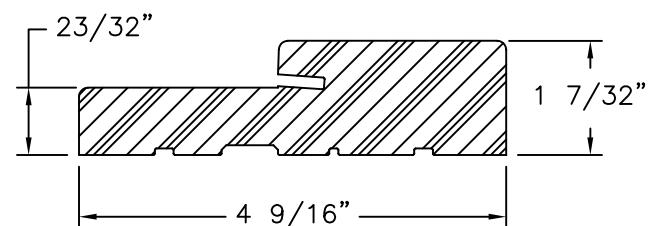
Luis R. Lomas P.E.
FL No.: 62514



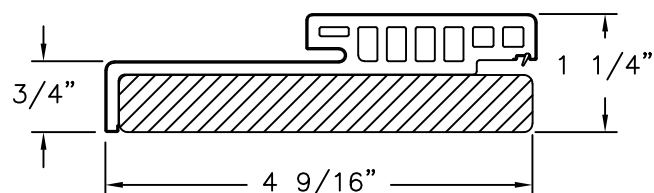
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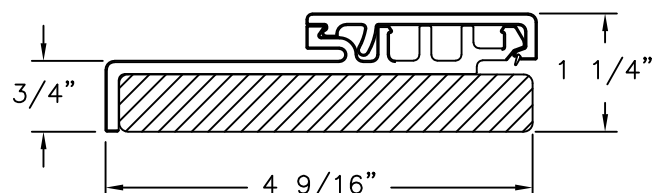
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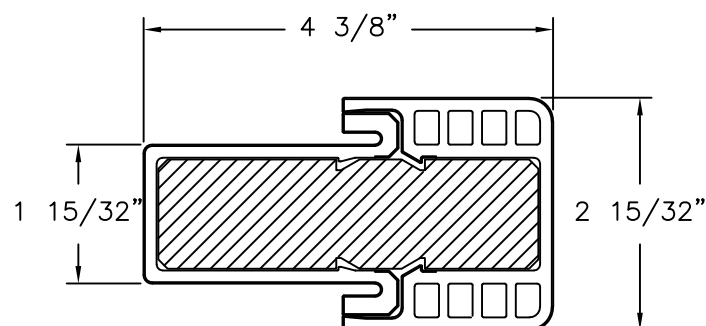
FRAMESAVER
COMPOSITE



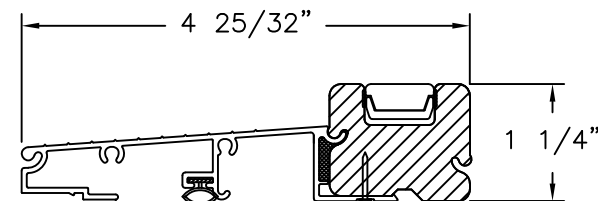
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WOOD/COMPOSITE



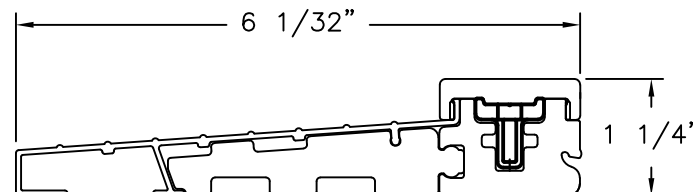
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WOOD/COMPOSITE



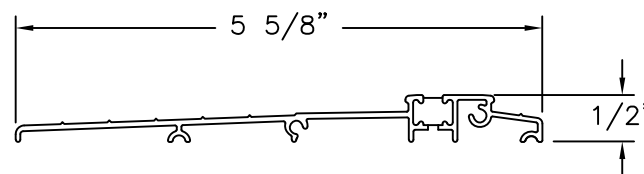
HYBRID FAT BOY MULLION
COMPOSITE



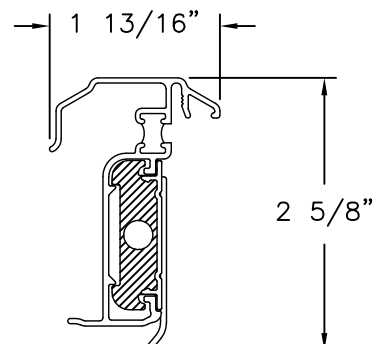
SAHARA INSWING THRESHOLD



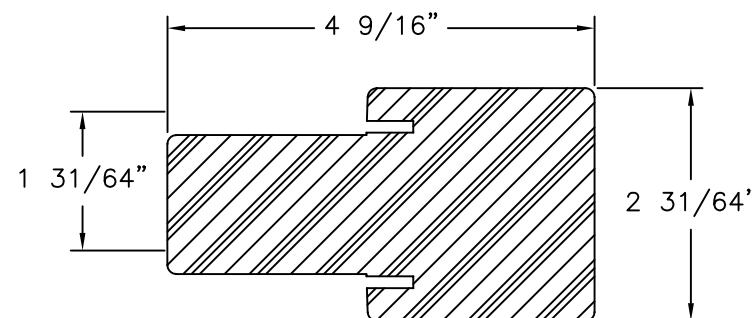
STANDARD INSWING THRESHOLD



ADA THRESHOLD

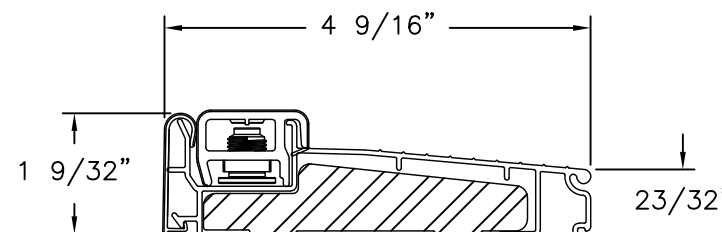


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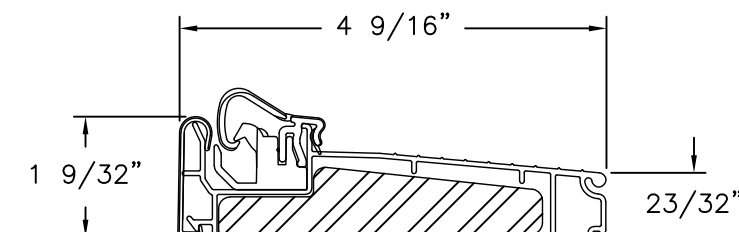


FAT BOY MULLION
COMPOSITE

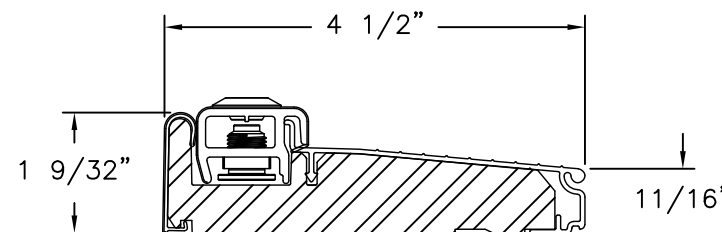
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/08/26	R.L.



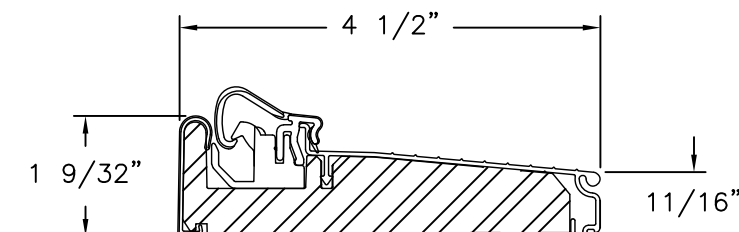
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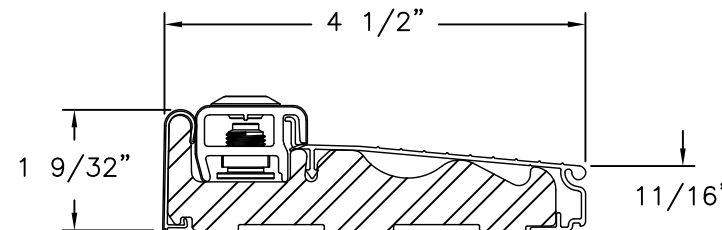
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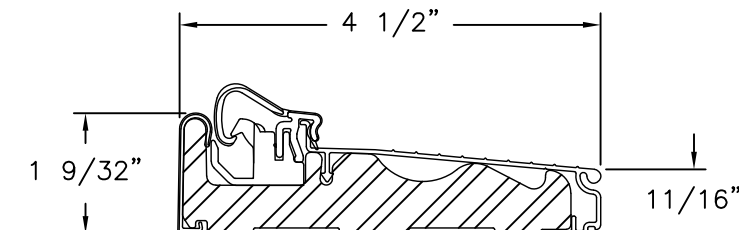
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INSWING SILL ZAC4565F



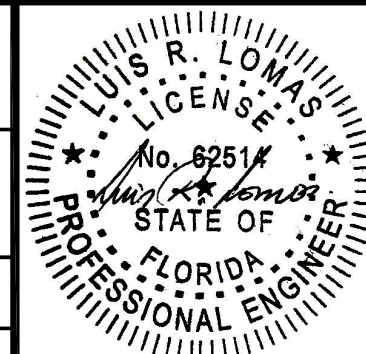
INSWING SILL ZAILH4565



INSWING SILL ZACLH4565

SIGNED: 09/08/2026

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT COMPONENTS		
DRAWN: J.L.	DWG NO. 08-02072	REV L
SCALE NTS	DATE 06/19/13	SHEET 17 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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