

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	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) AND FIBERGLASS .085” THICK (MINIMUM).
SIDELITE SKIN MATERIAL: STEEL .022” THICK (MINIMUM)
7. SIDELITES AND TRANSOM 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 – 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.

SIGNED: 11/27/2023

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

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

DRAWN:
V.L.

DWG NO.
08-02081

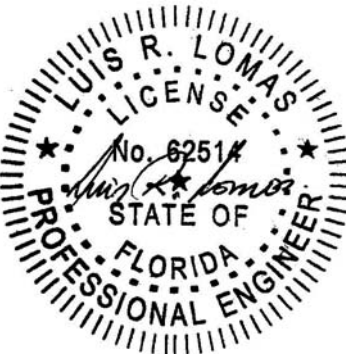
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J

SCALE NTS

DATE 06/19/13

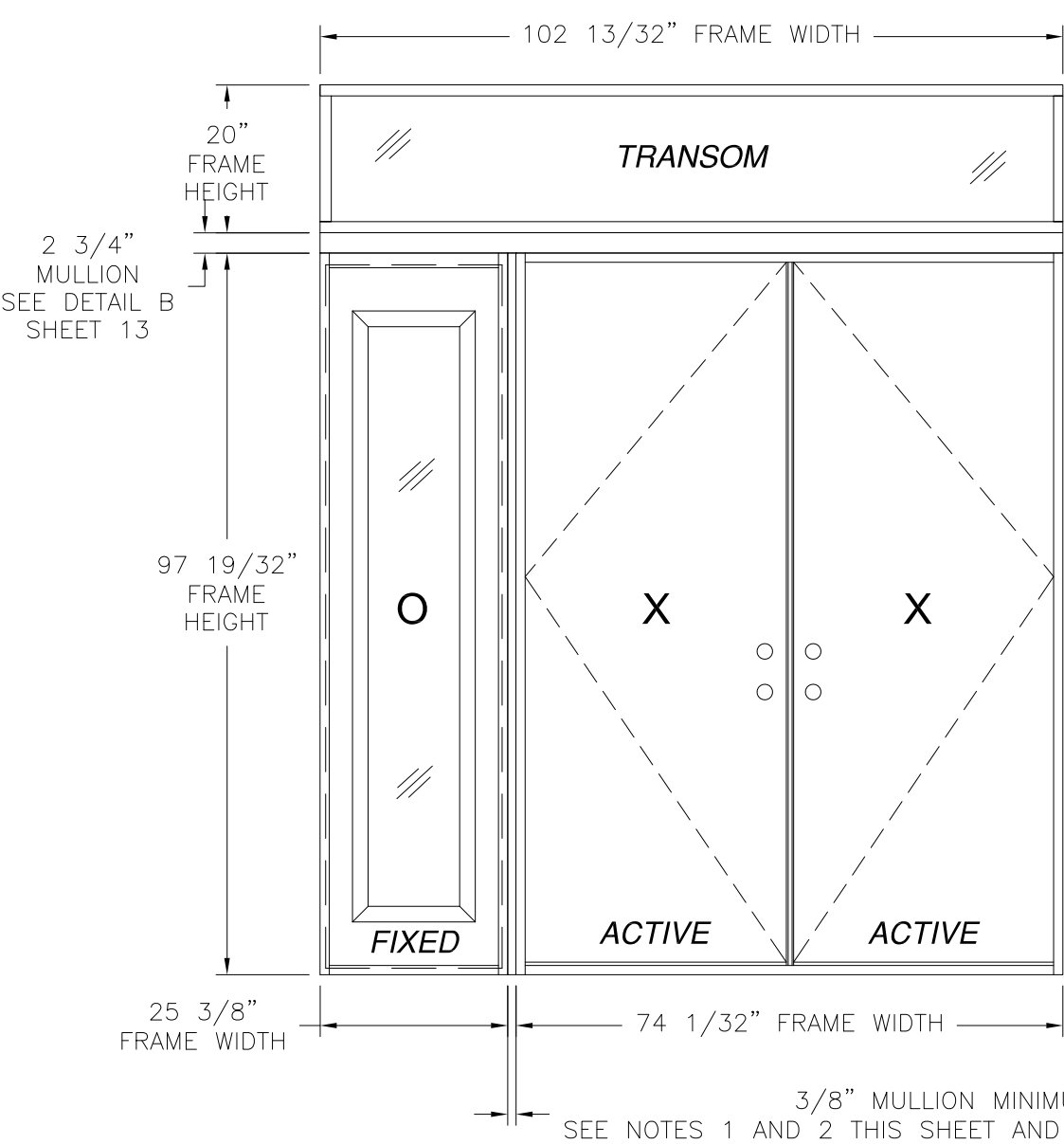
SHEET 1 OF 16

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



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

REVISIONS			
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J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



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

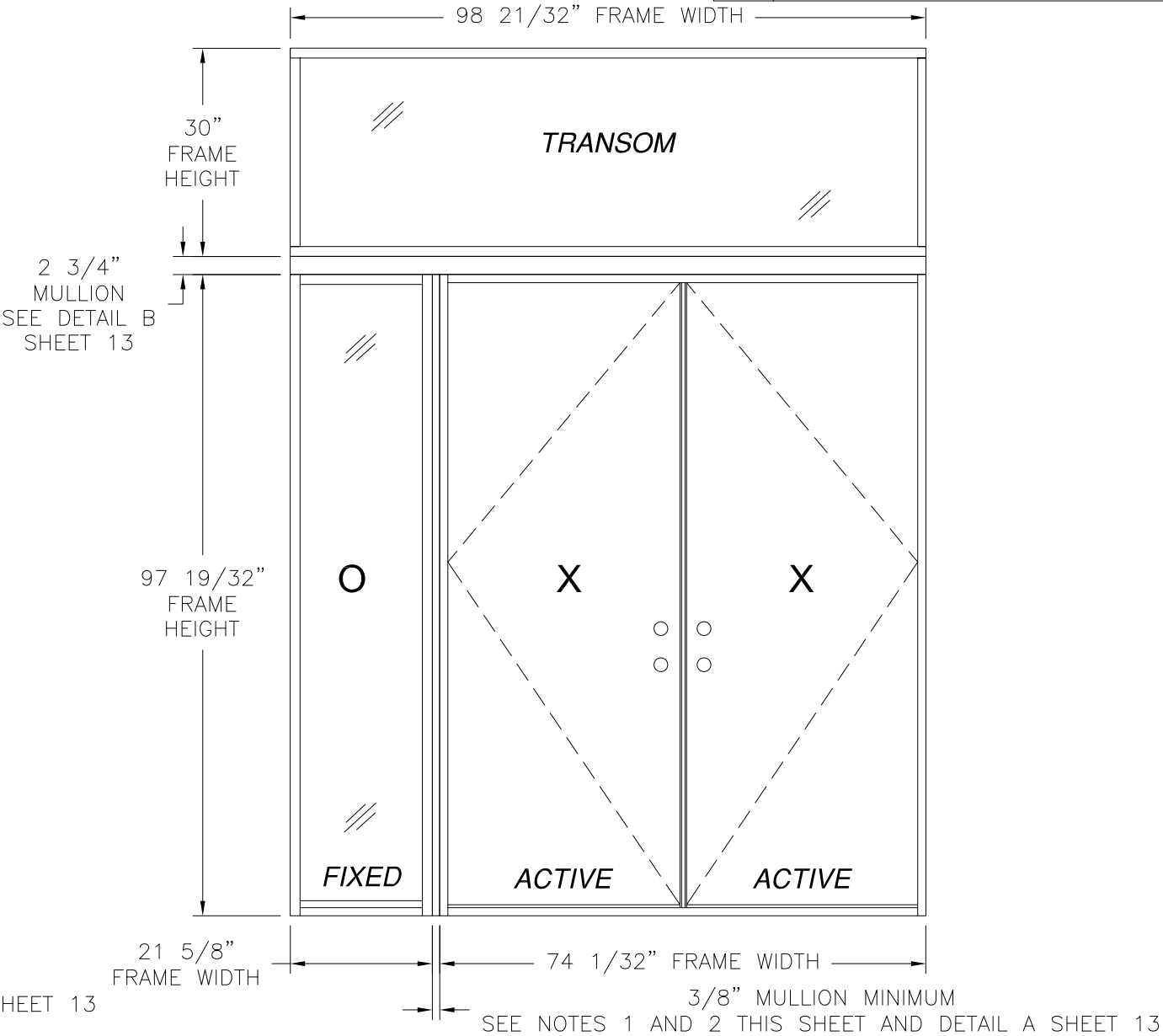
35 3/4" x 94 15/16" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.56 FT²

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

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

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 PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
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DOUBLE W/ DIRECT SET SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

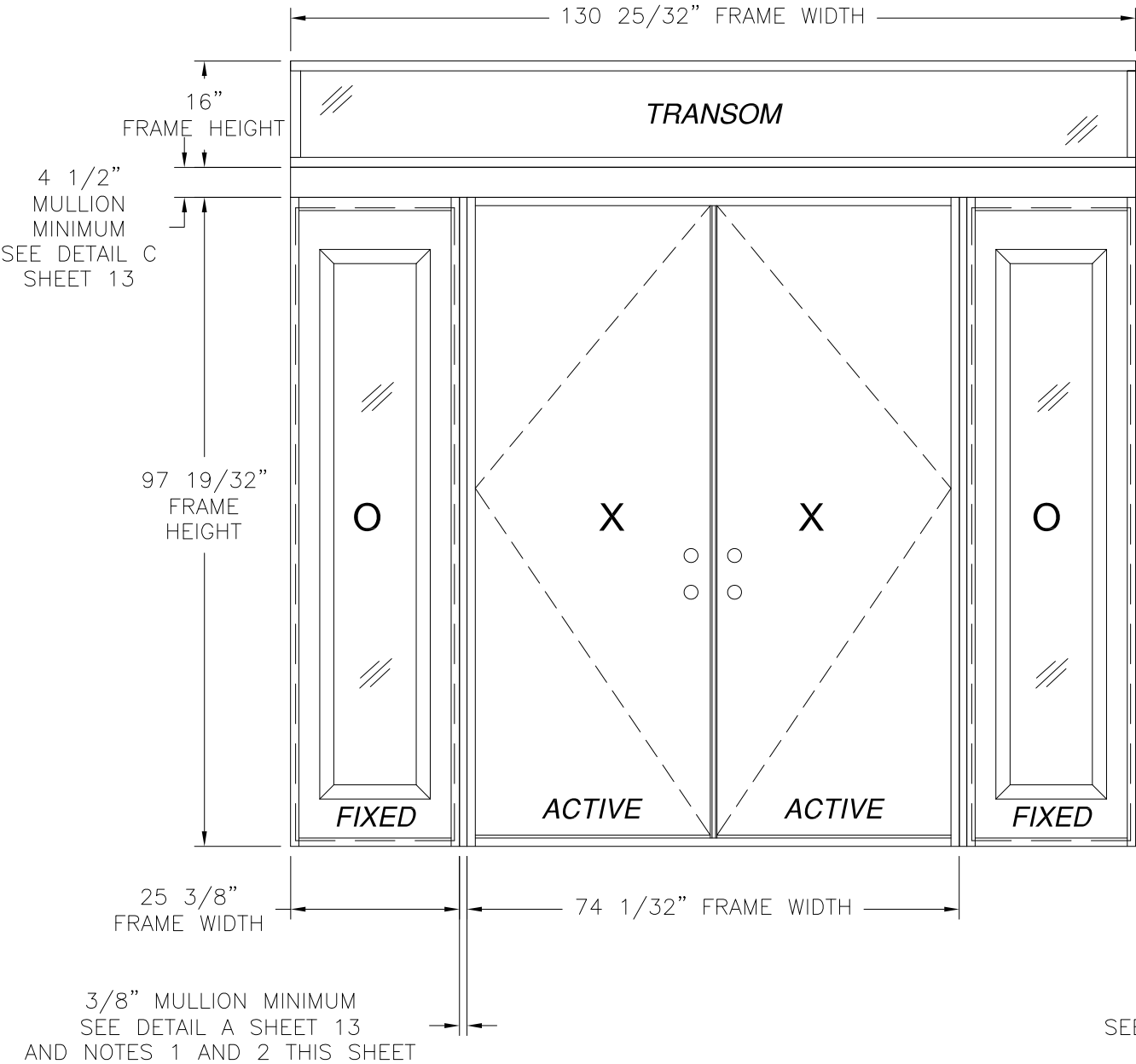
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02081	REV J
SCALE NTS	DATE 06/19/13	SHEET 2 OF 16
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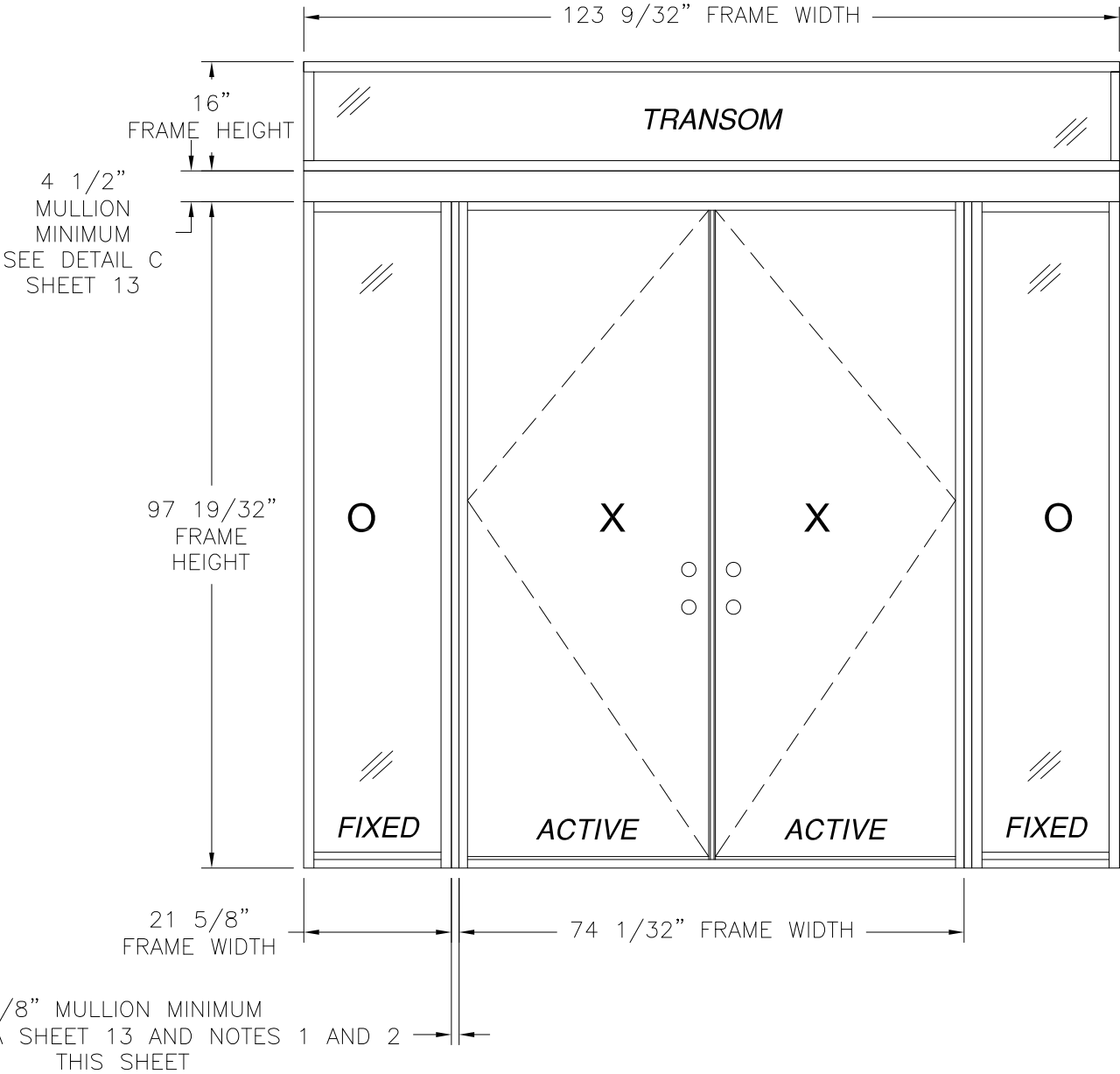


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DOUBLE W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW



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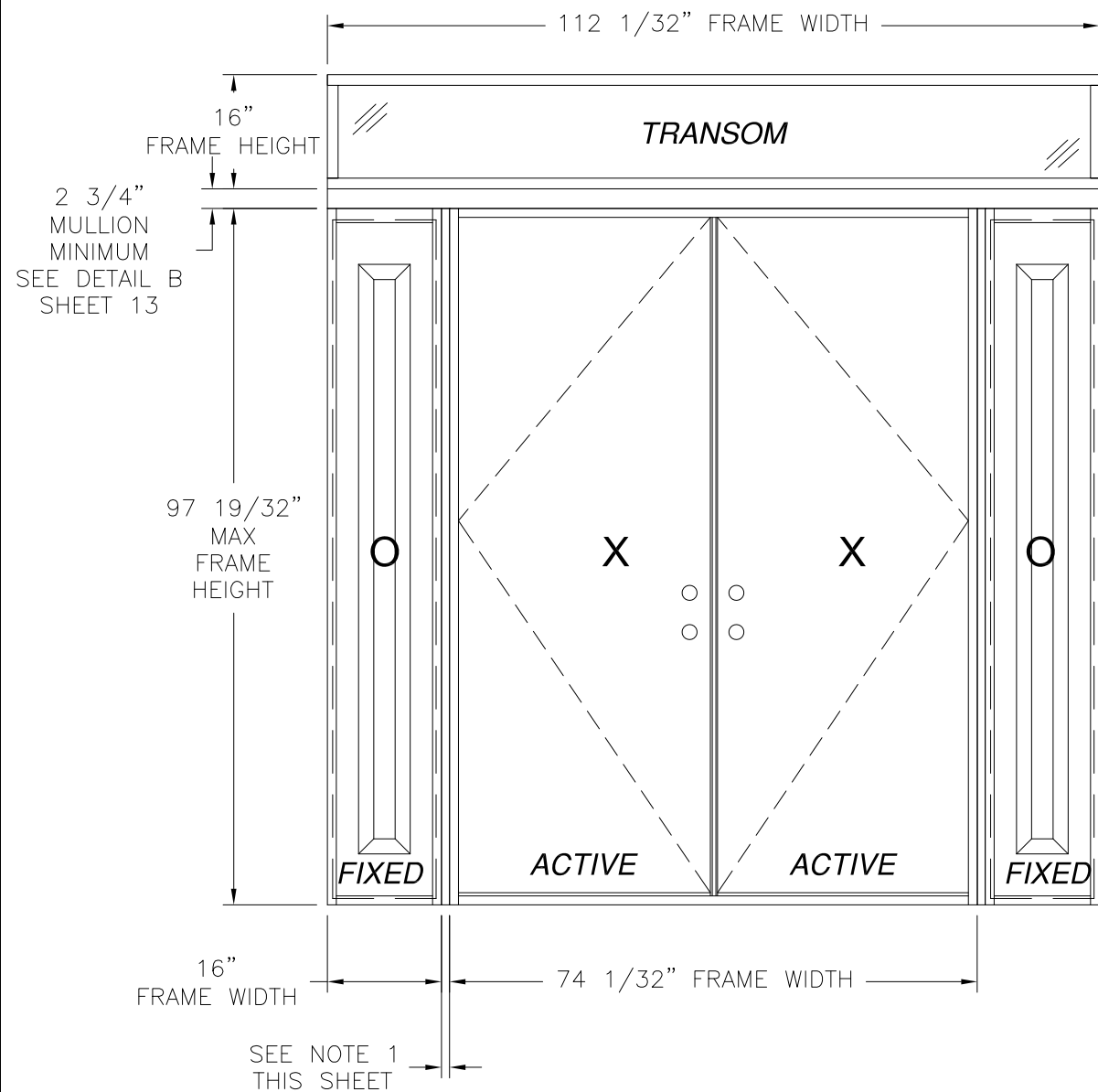
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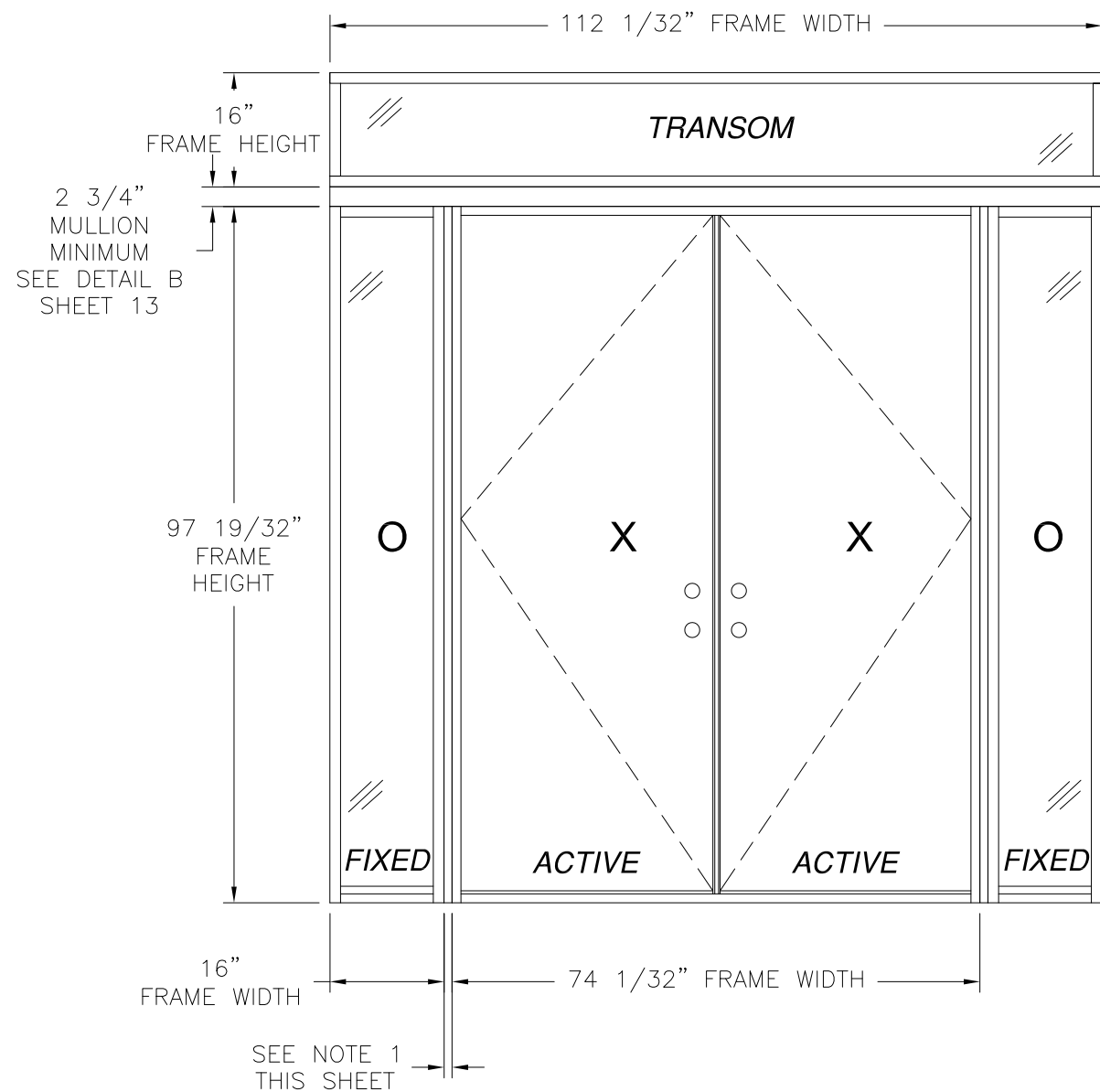


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DOUBLE W/ STD SIDELITES AND TRANSOM
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DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

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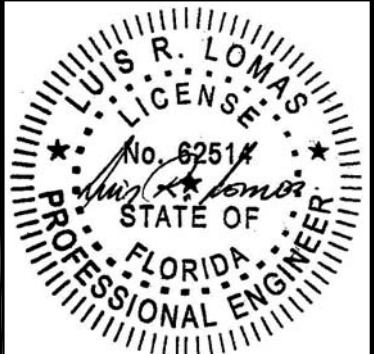
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

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8" MAX

9" MAX

16" MAX O.C.

8" MAX

3" MAX TYP

6" MAX TYP

9" MAX TYP

16" MAX O.C.

9" MAX

3" MAX

6" MAX

9" MAX

3" MAX

6" MAX

DOUBLE W/SIDELITE AND TRANSOM

ANCHORING LAYOUT

8" MAX

9" MAX

16" MAX O.C.

8" MAX

3" MAX TYP

6" MAX TYP

9" MAX TYP

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9" MAX

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DOUBLE W/SIDELITES AND TRANSOM

ANCHORING LAYOUT

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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.	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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ANCHORING LAYOUTS

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LUIS R. LOMAS

LICENS. M. S.

No. 62514

PROFESSIONAL ENGINEER

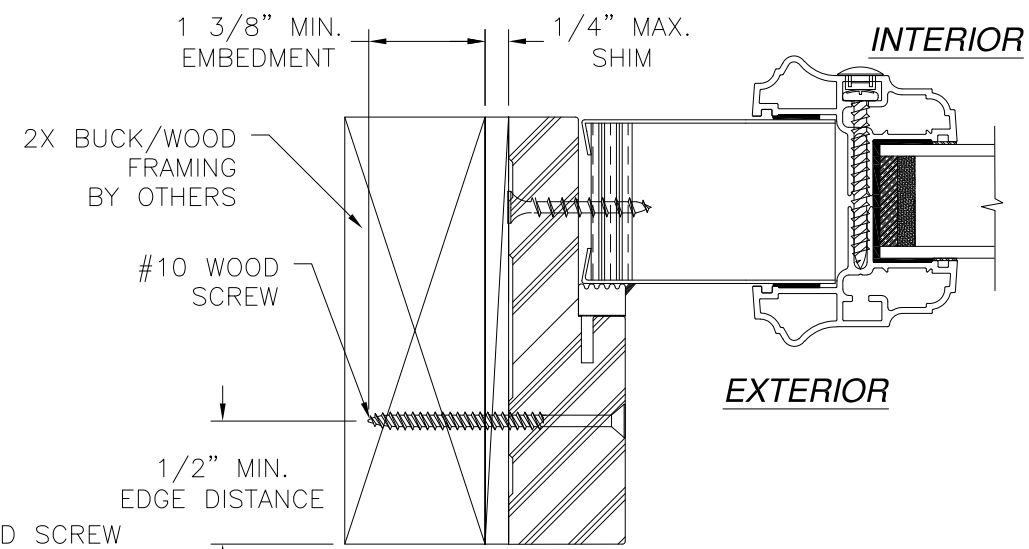
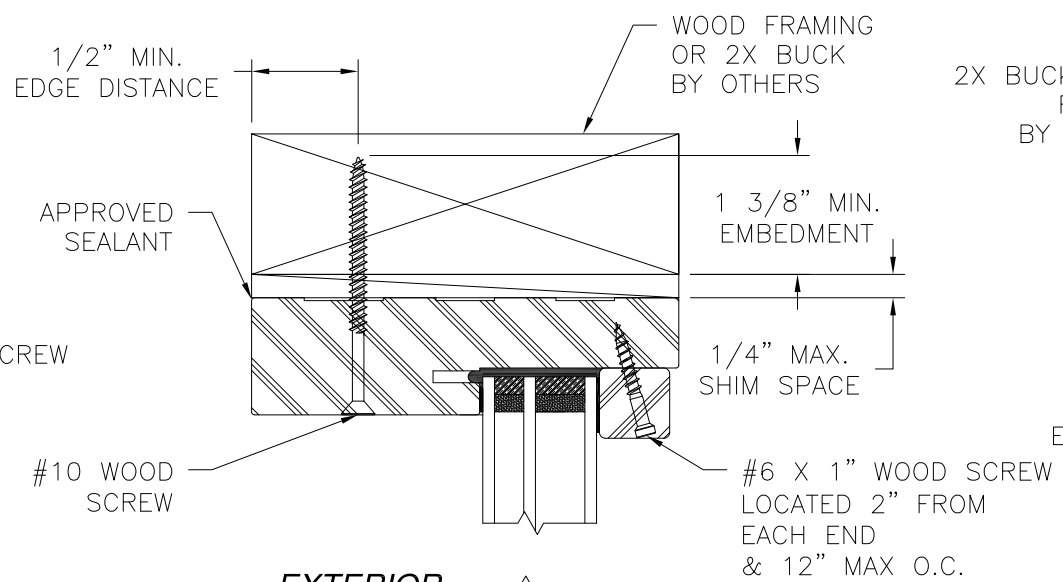
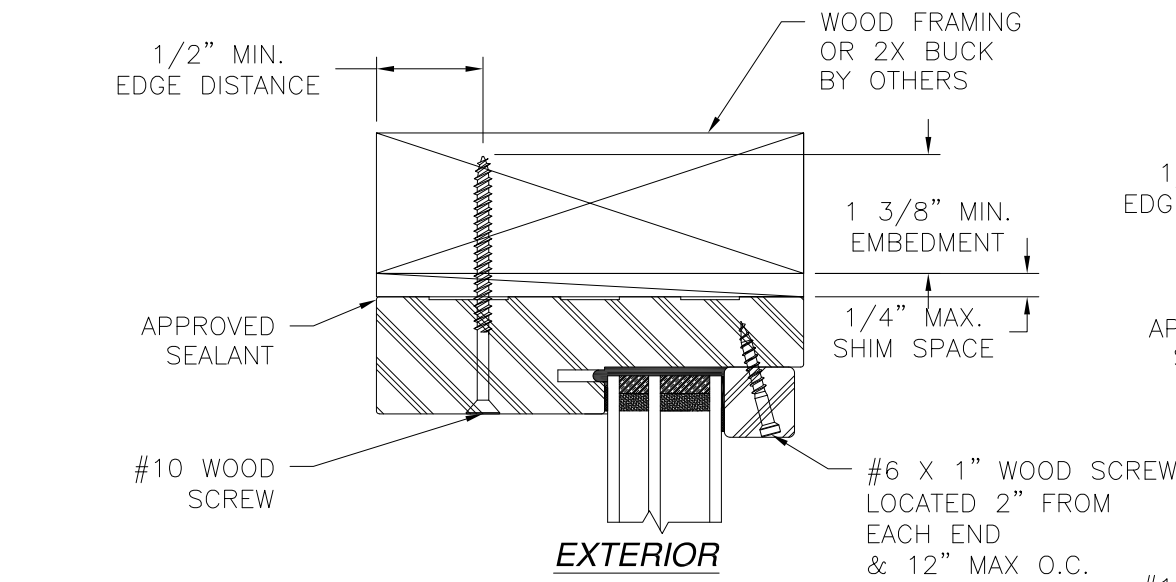
STATE OF FLORIDA

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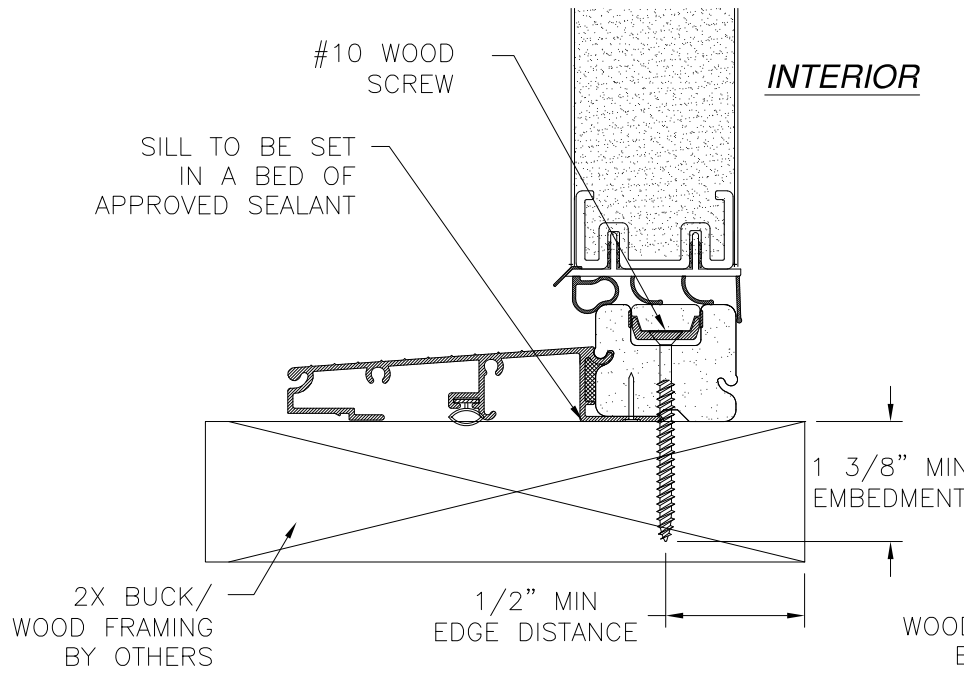
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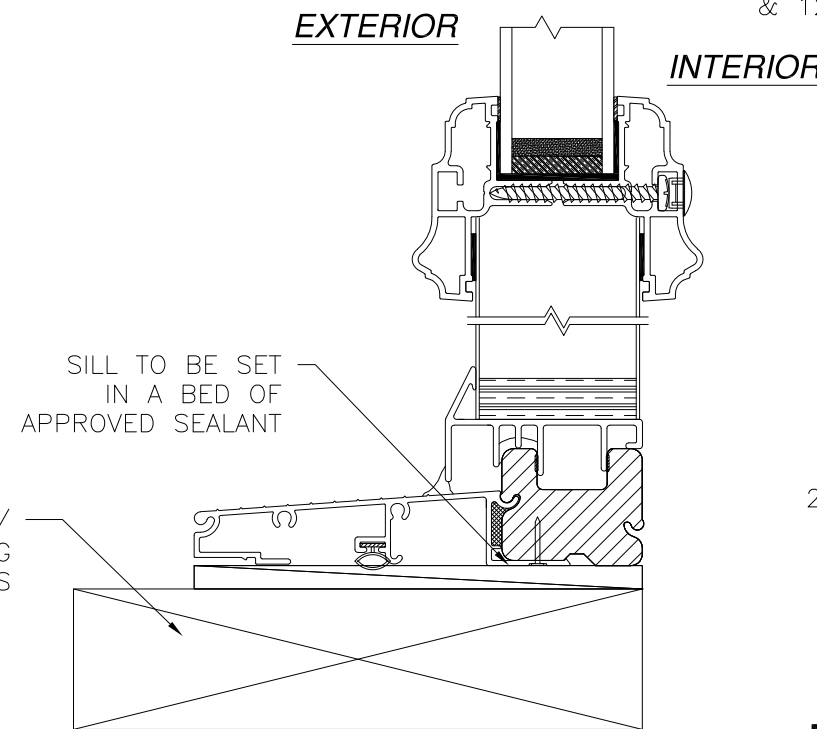
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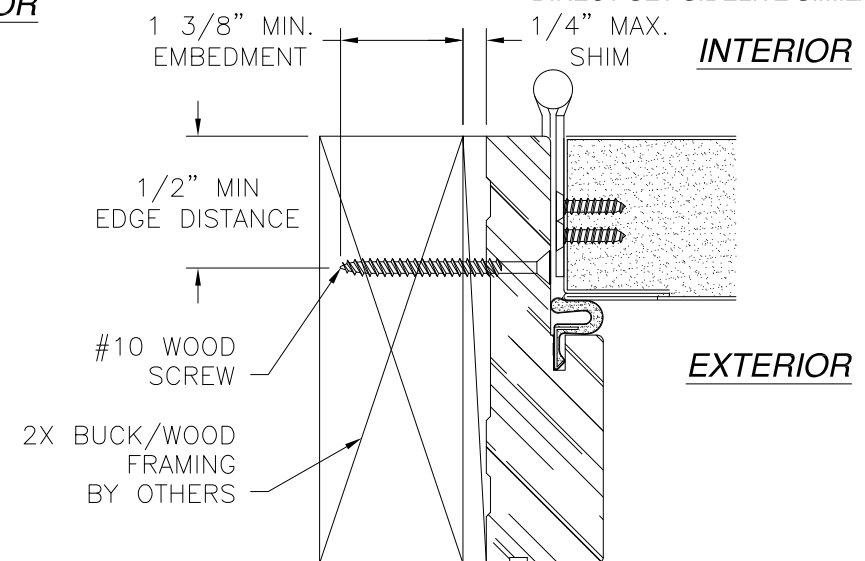
HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING



VERTICAL CROSS SECTION
SIDELITE AND TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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

DRAWN: V.L.

DWG NO. 08-02081

REV J

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SHEET 6 OF 16

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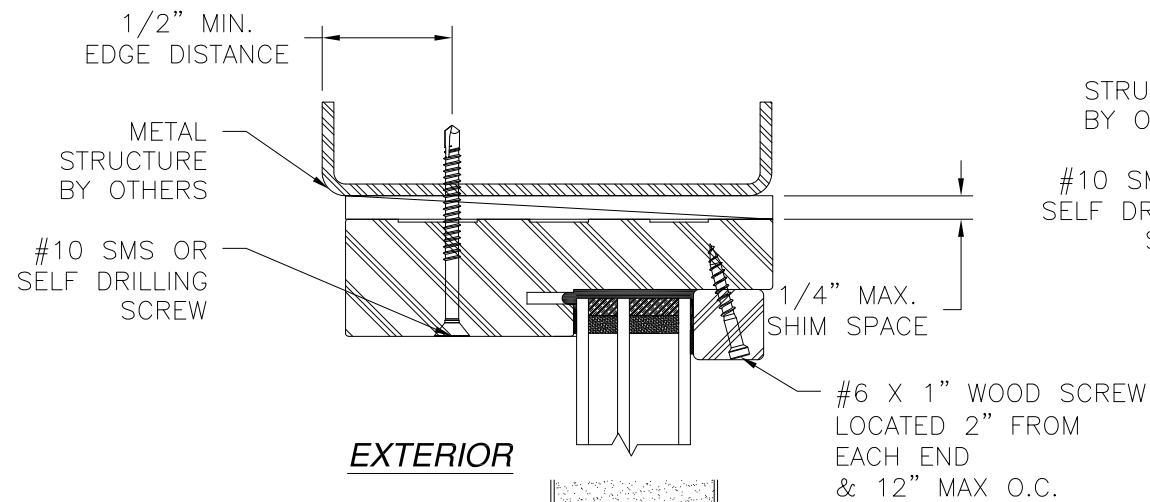
STATE OF FLORIDA

PROFESSIONAL ENGINEER

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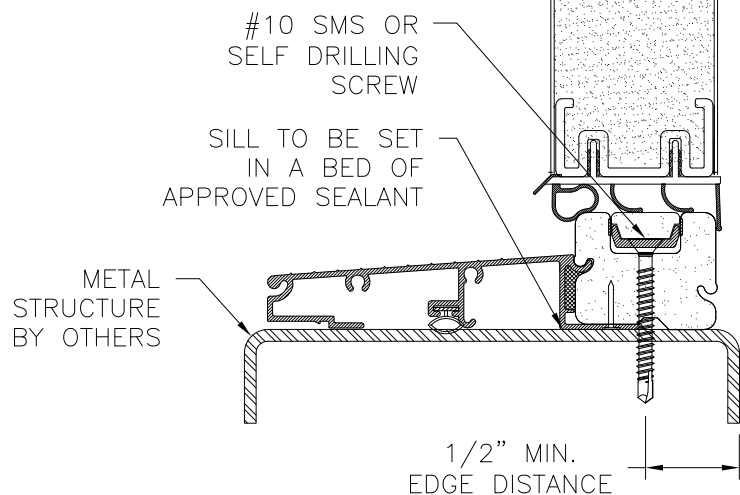
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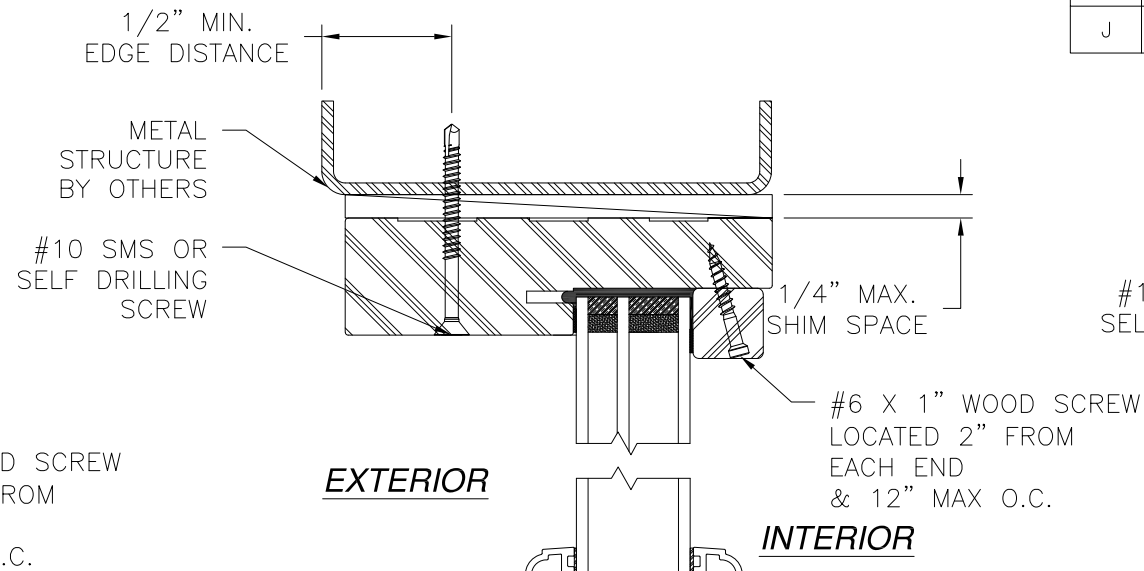
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INTERIOR



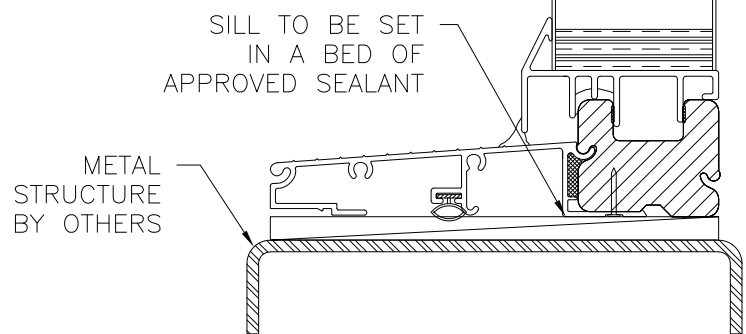
VERTICAL CROSS SECTION

DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



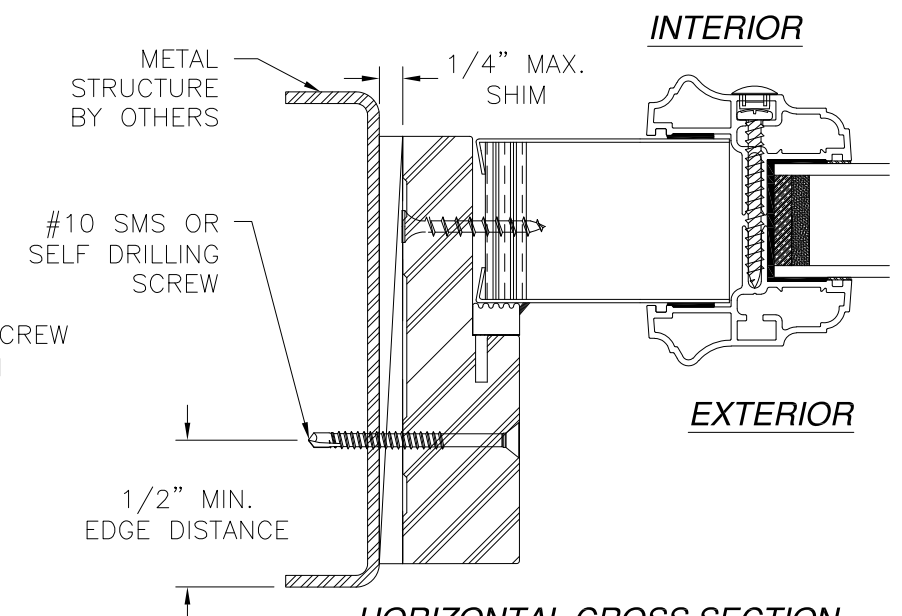
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION

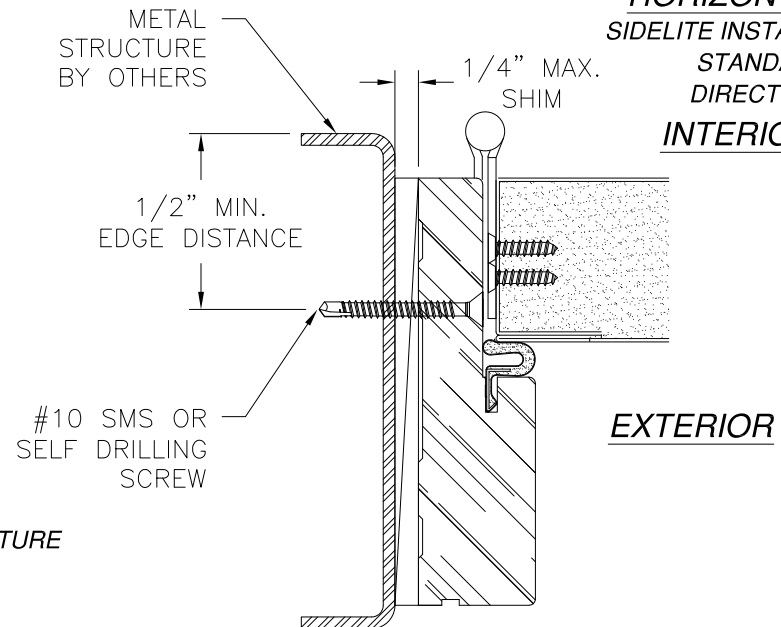
SIDELITE AND TRANSOM INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
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TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
INTERIOR

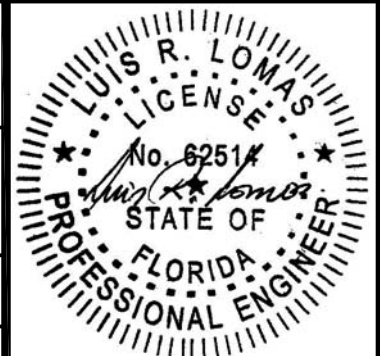


HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

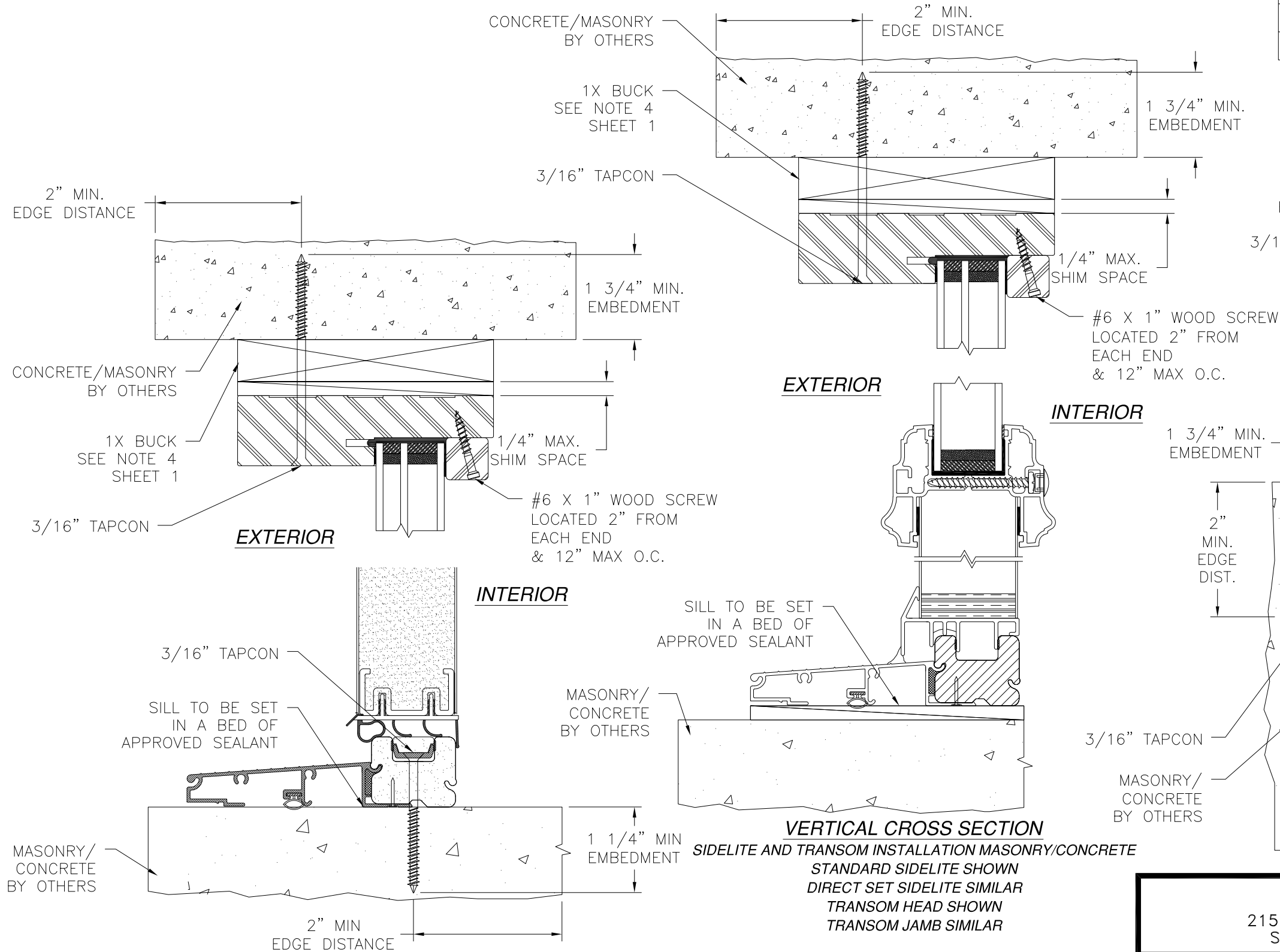
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SCALE NTS	DATE 06/19/13	SHEET 7 OF 16
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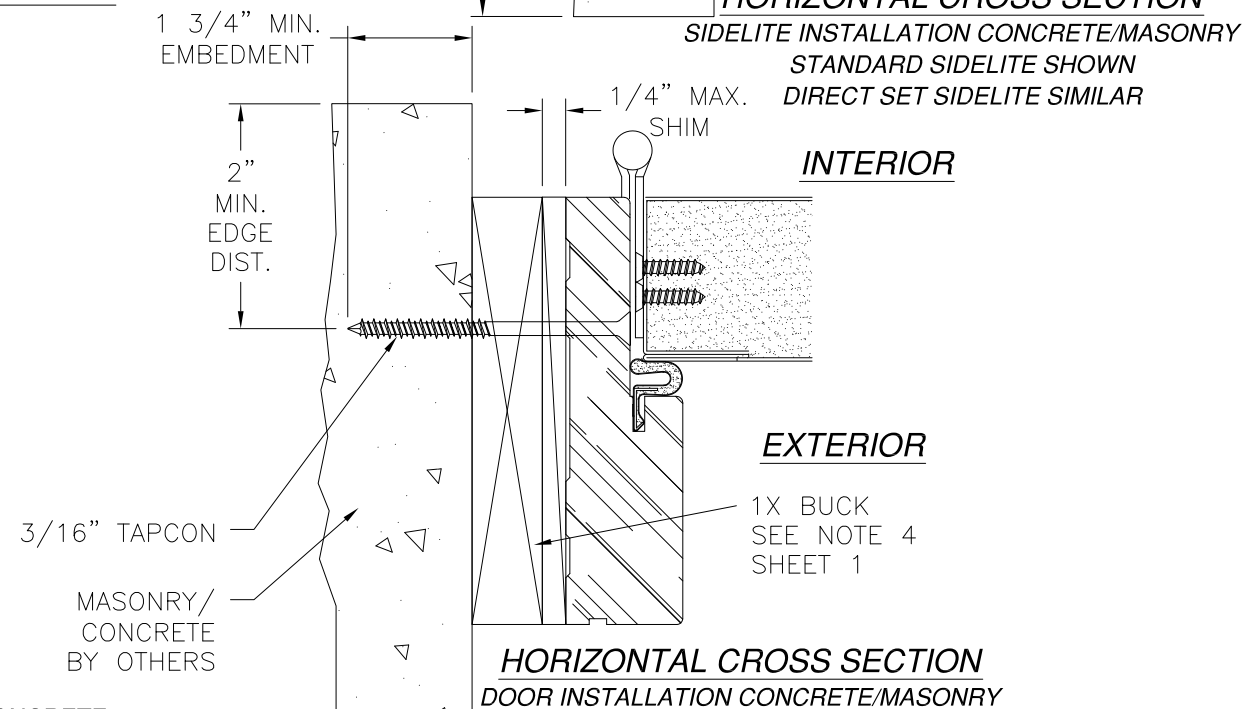
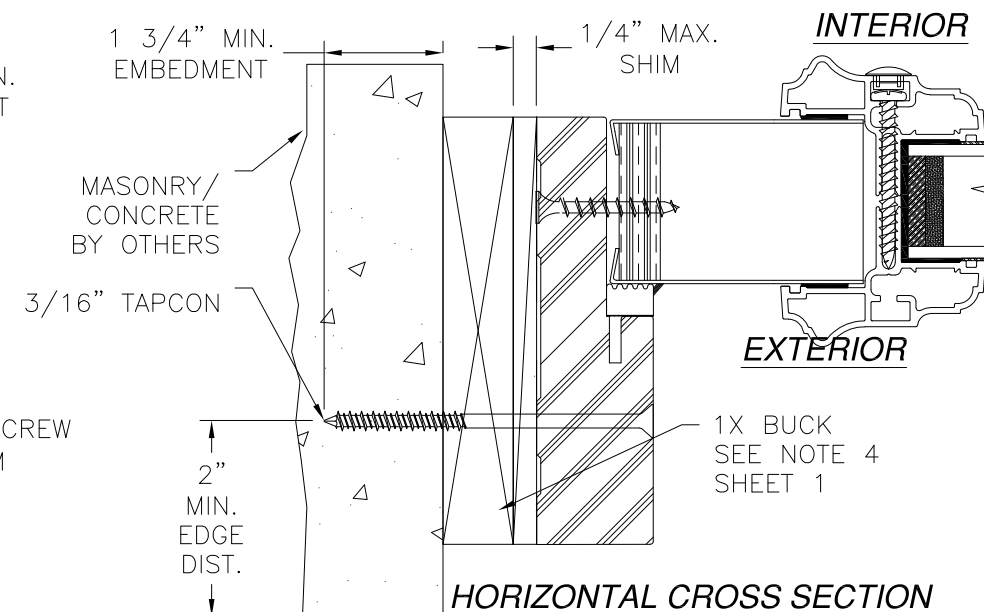


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VERTICAL CROSS SECTION
SIDELITE AND TRANSOM INSTALLATION MASONRY/CONCRETE
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DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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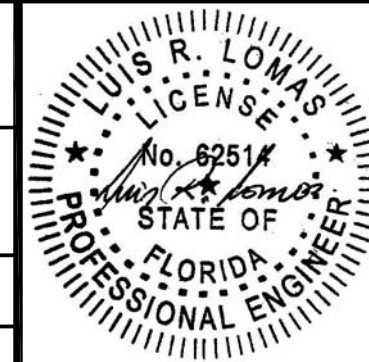
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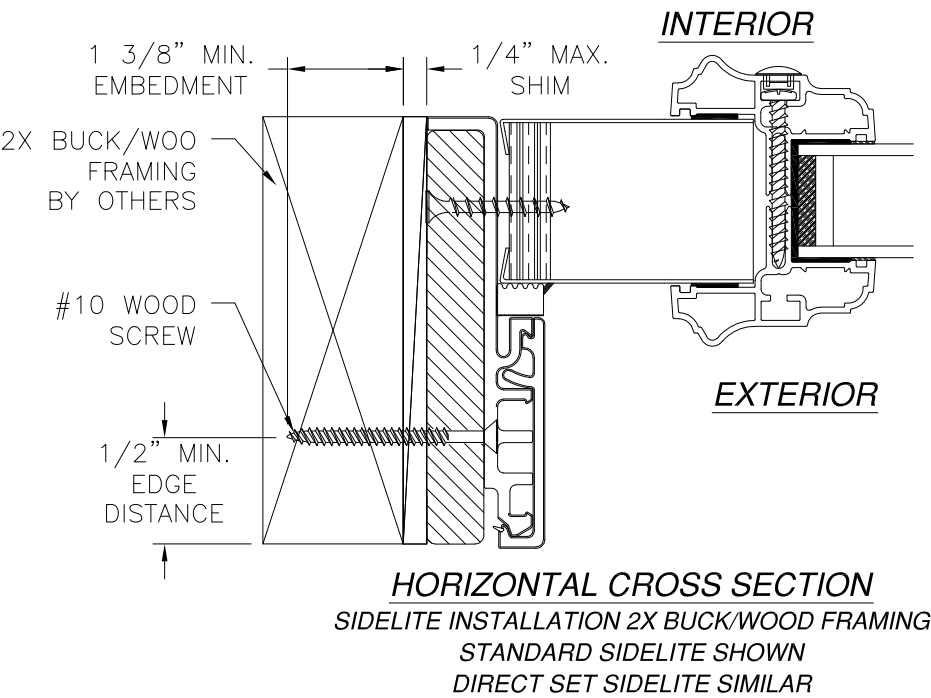
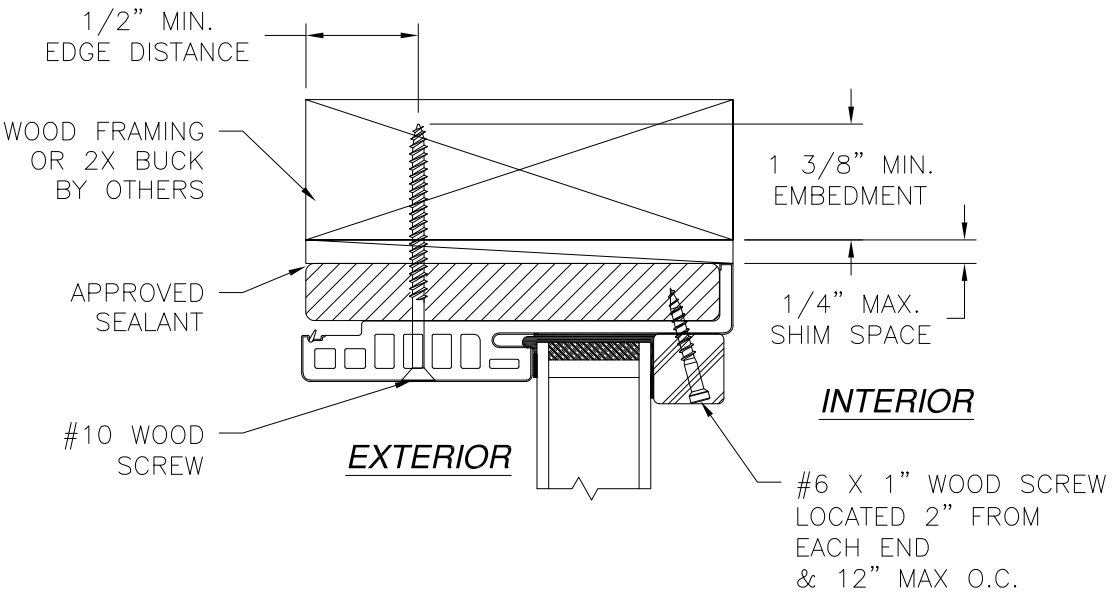
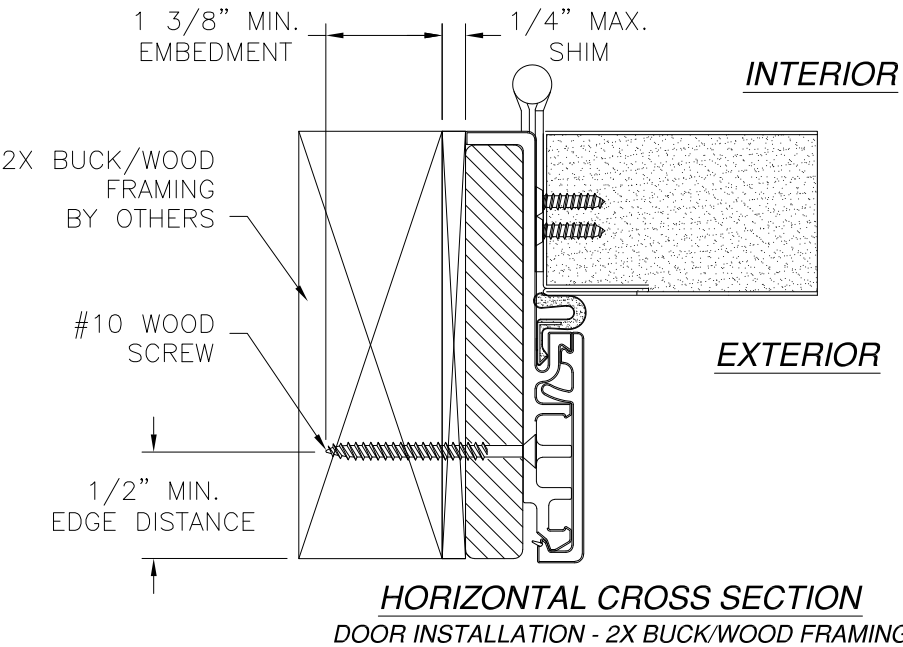
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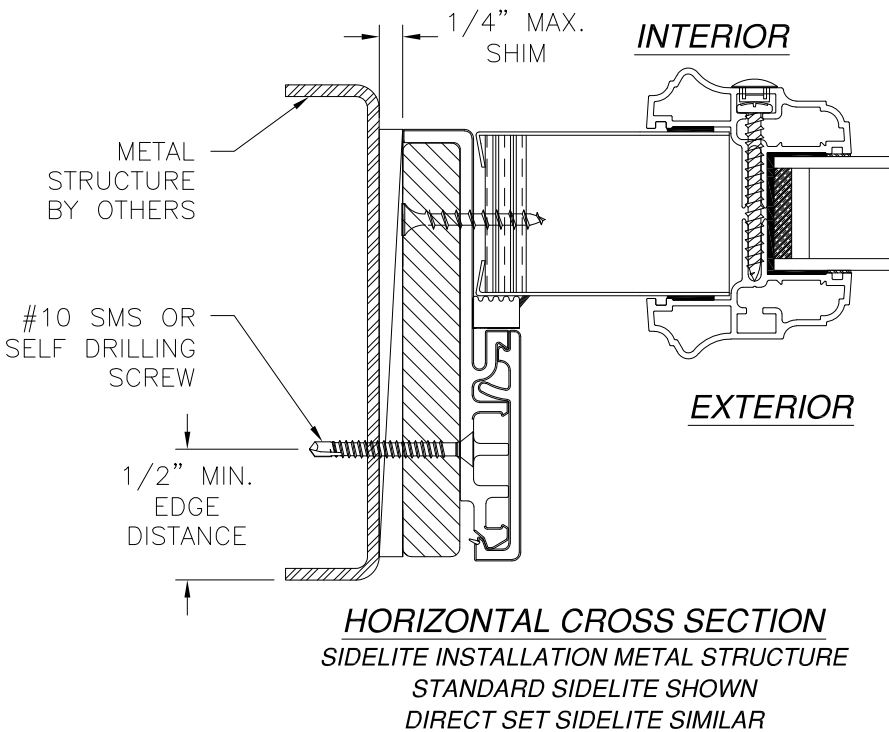
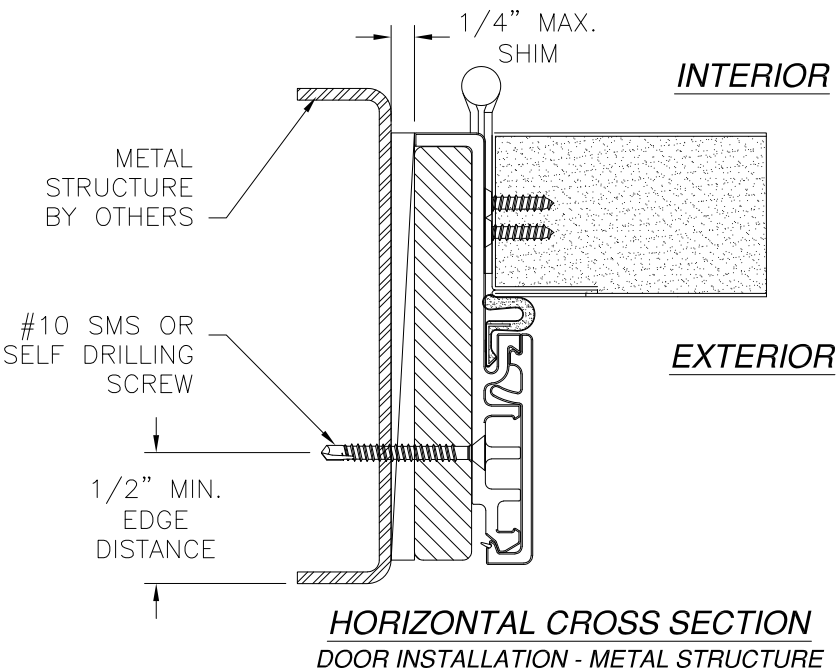
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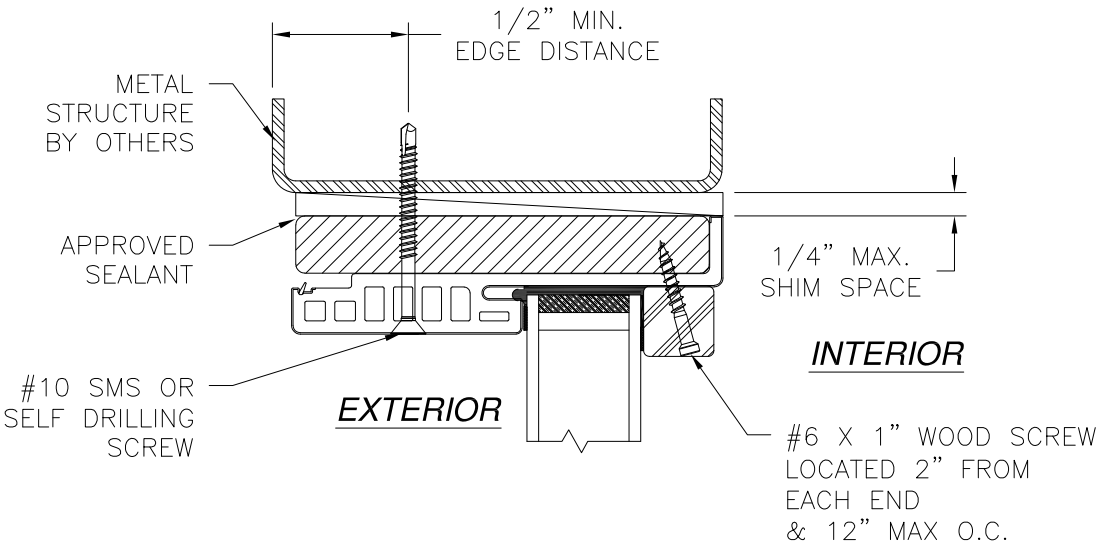


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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



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

SIGNED: 11/27/2023

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

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

DRAWN:
V.L.

DWG NO.
08-02081

REV
J

SCALE
NTS

DATE
06/19/13

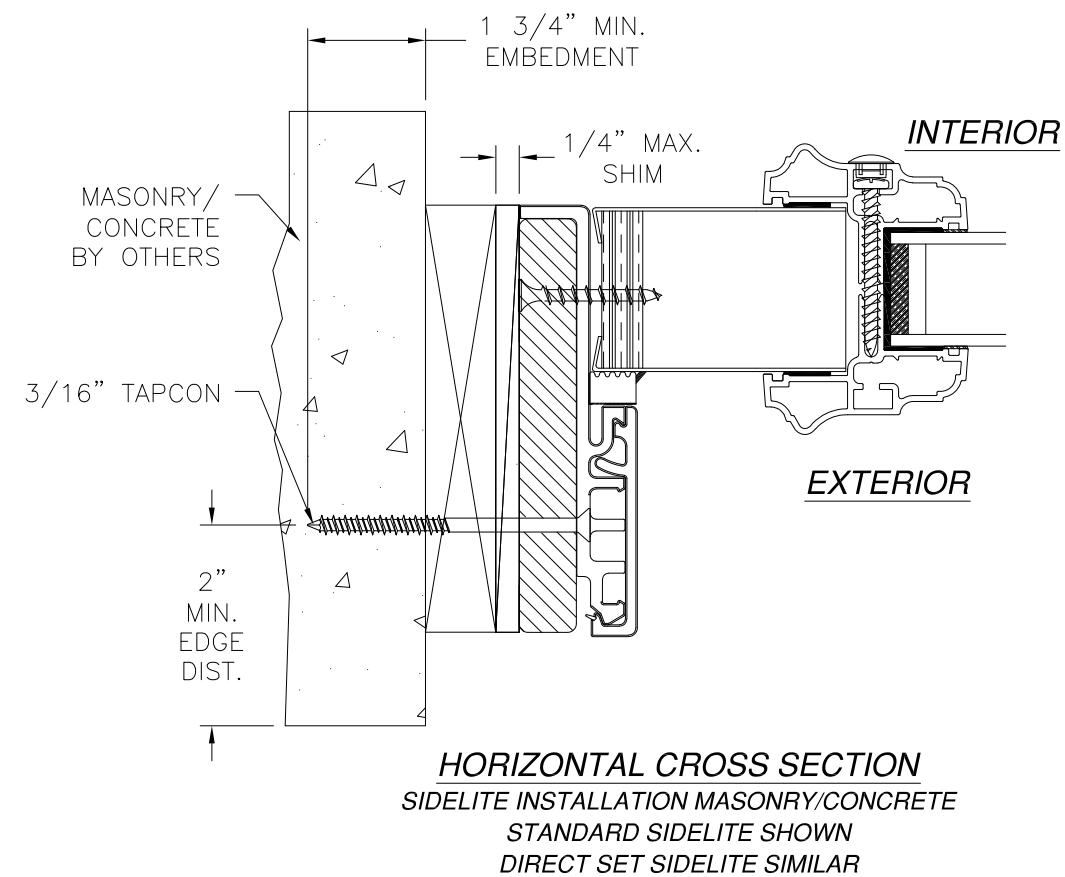
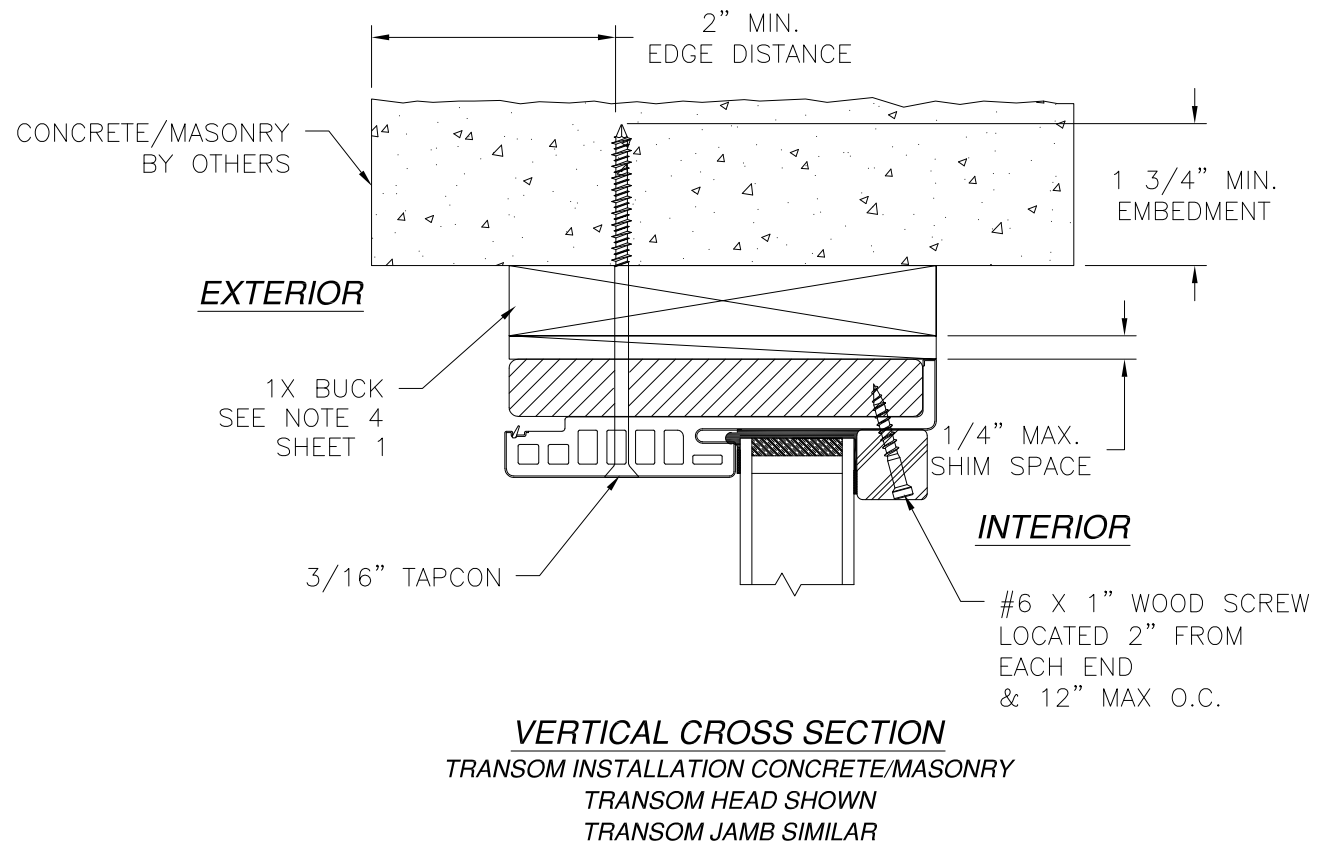
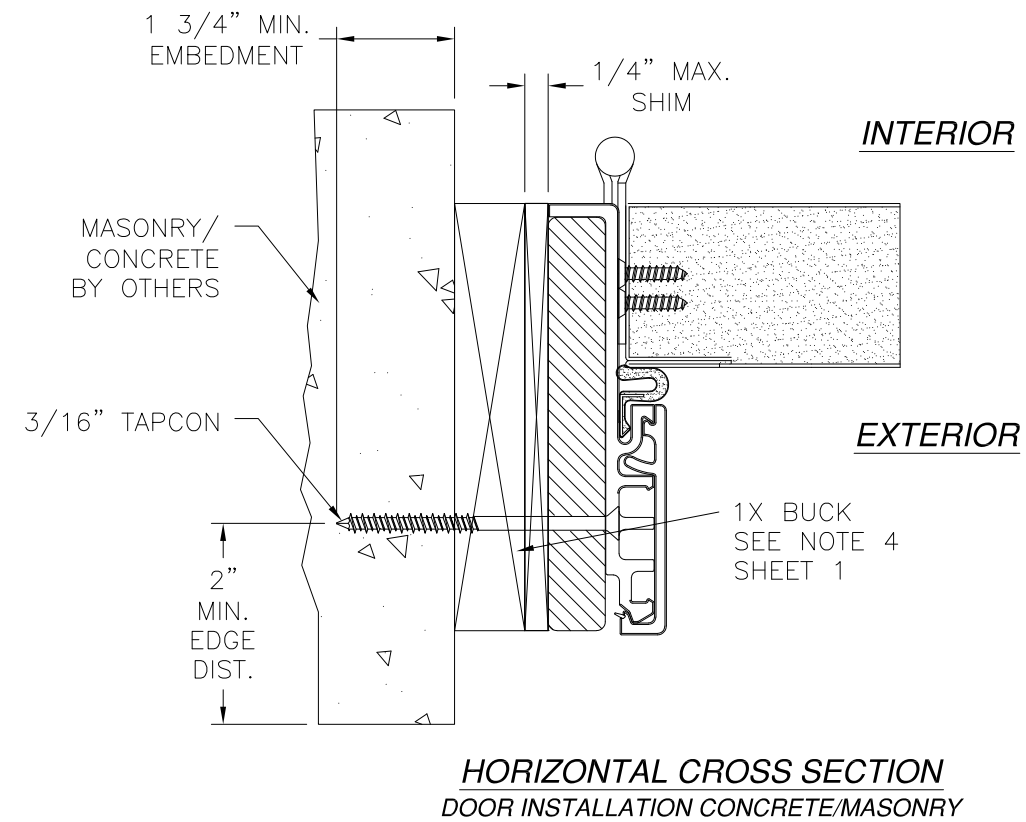
SHEET
10 OF 16

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
J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



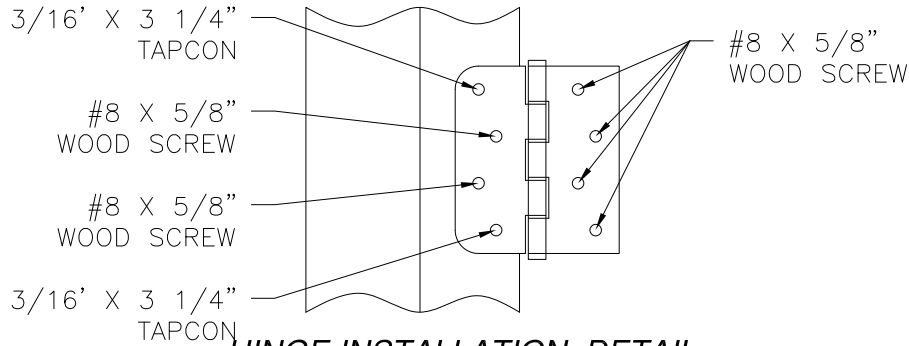
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/27/2023

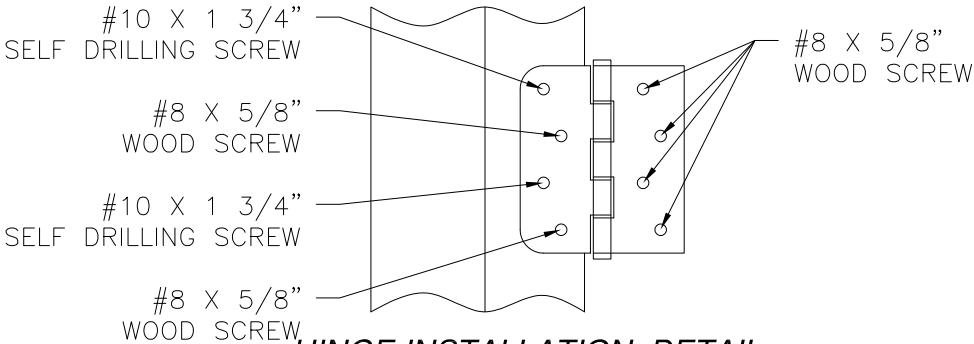
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: V.L.	DWG NO. 08-02081	REV J
SCALE NTS	DATE 06/19/13	SHEET 11 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

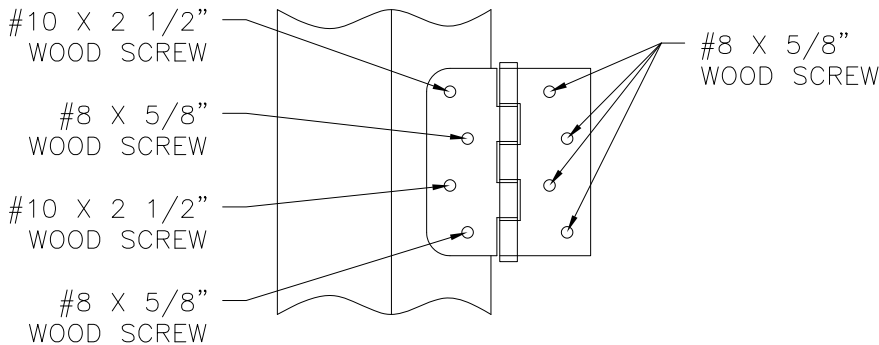
Luis R. Lomas P.E.
FL No.: 62514



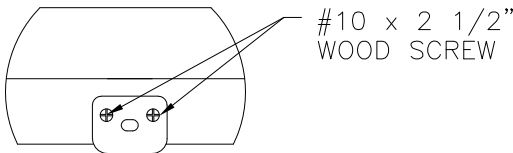
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MASONRY/CONCRETE



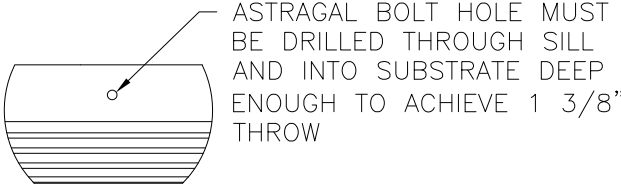
HINGE INSTALLATION DETAIL
METAL STRUCTURE



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



ASTRAGAL SILL DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.

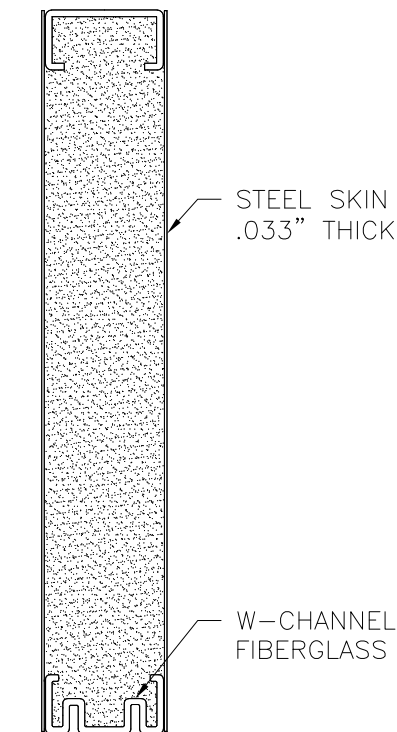
SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT COMPONENTS DETAILS		
DRAWN: V.L.	DWG NO. 08-02081	REV J
SCALE NTS	DATE 06/19/13	SHEET 12 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

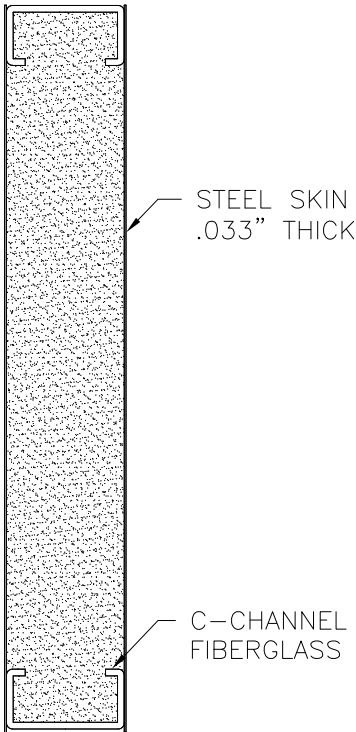
Luis R. Lomas P.E.
FL No.: 62514

APPROVED DOOR SLABS AND CROSS SECTIONS

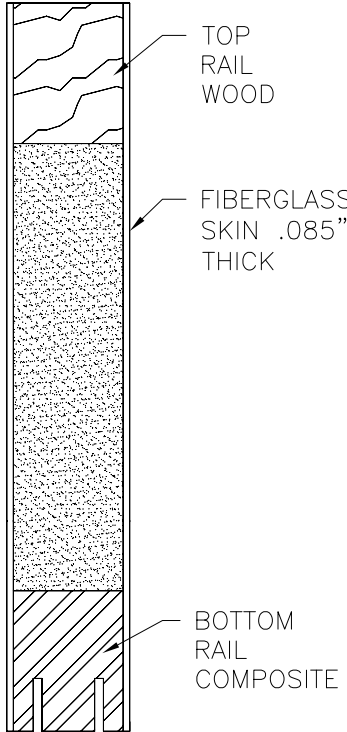
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



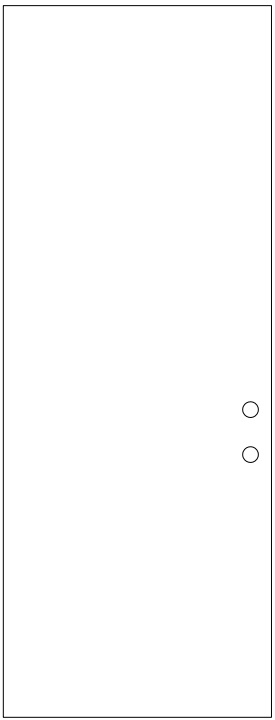
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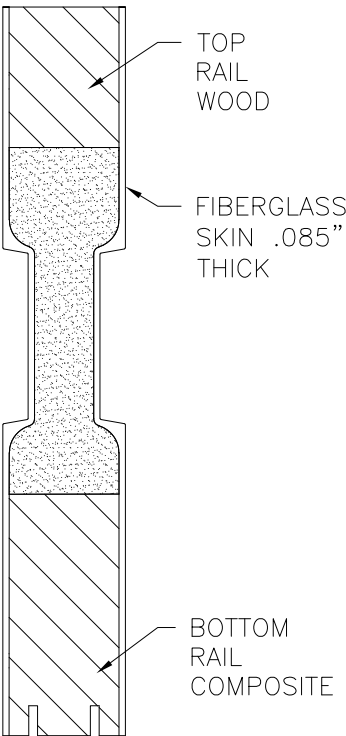
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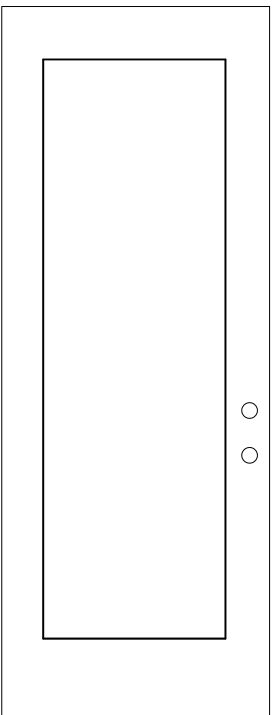
FIBERGLASS



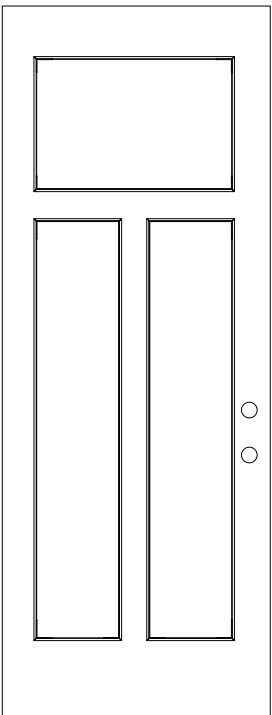
FLAT SLAB
20GA STEEL AND FIBERGLASS



FIBERGLASS



1 PANEL SLAB
FIBERGLASS ONLY



3 PANEL SLAB
FIBERGLASS ONLY

SIGNED: 11/27/2023

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
COMPONENTS DETAILS

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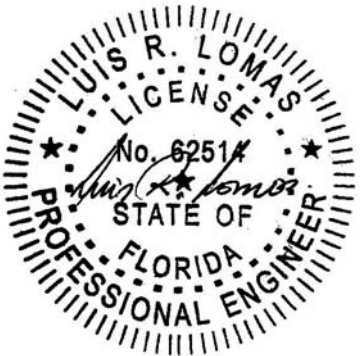
REV
J

SCALE NTS

DATE 06/19/13

SHEET 13 OF 16

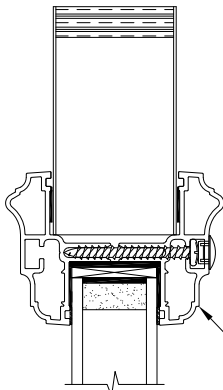
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434-688-0609 rllomas@lrlomaspe.com



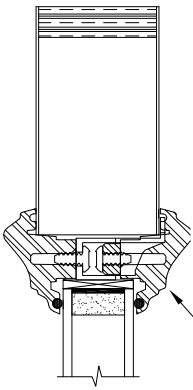
Luis R. Lomas P.E.
FL No.: 62514

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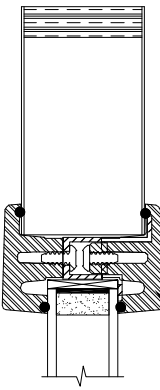
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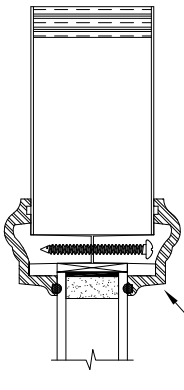
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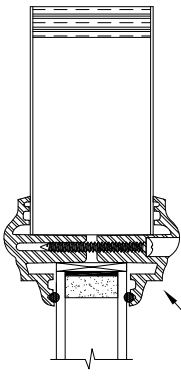
SIGNET TRIM



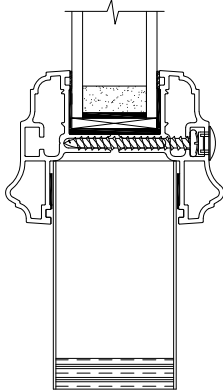
SMOOTH TRIM



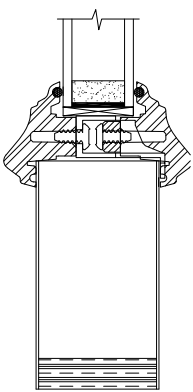
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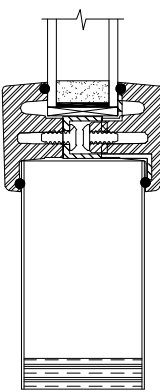
EVOLVE TRIM



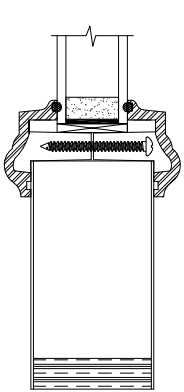
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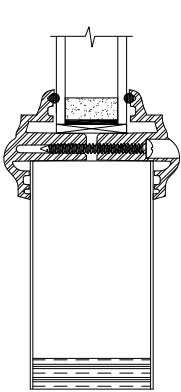
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SIGNET TRIM



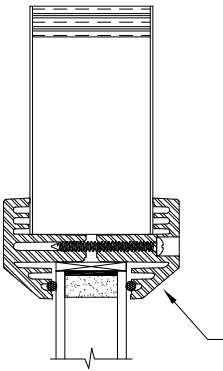
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SMOOTH TRIM



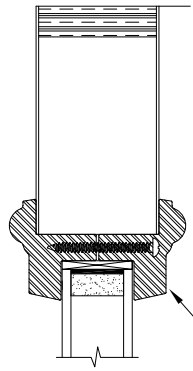
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TRINITY TRIM



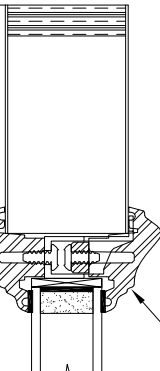
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EVOLVE TRIM



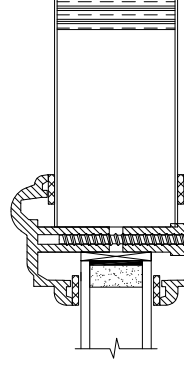
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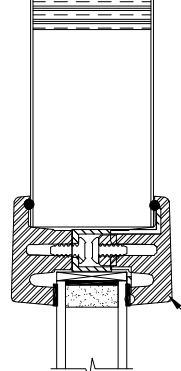
RSL TRIM



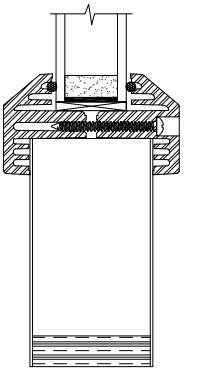
PLUGLESS TRIM



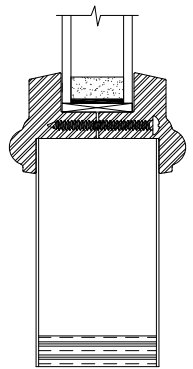
ELTON TRIM



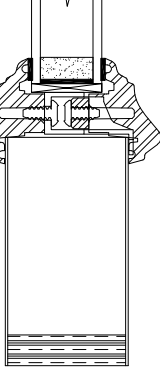
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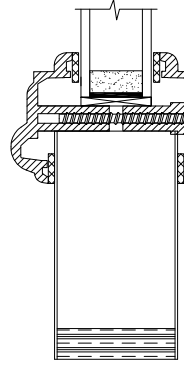
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SPOTLIGHT TRIM



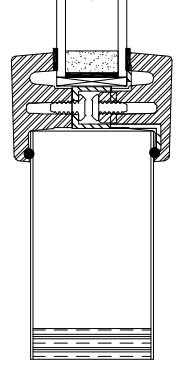
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RSL TRIM



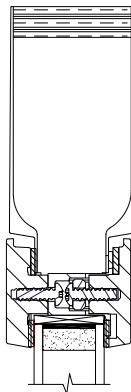
OPTION 8
PLUGLESS TRIM
W/TAPE



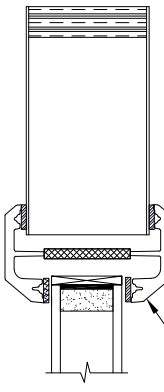
OPTION 9
ELTON TRIM



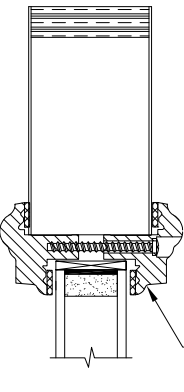
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SMOOTH TRIM
W/TAPE



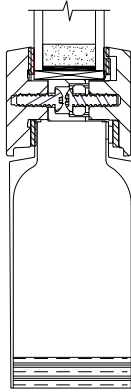
SIGNET FIR TRIM



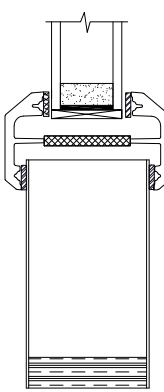
ODL ZEEL TRIM



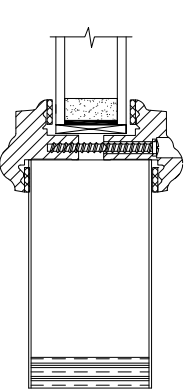
XLE TRIM



OPTION 11
SIGNET FIR TRIM



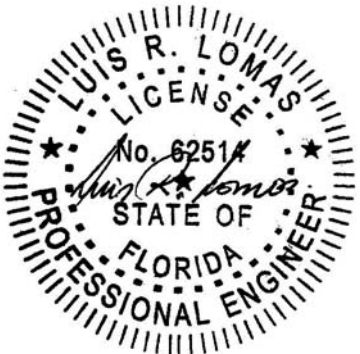
OPTION 12
ODL ZEEL TRIM



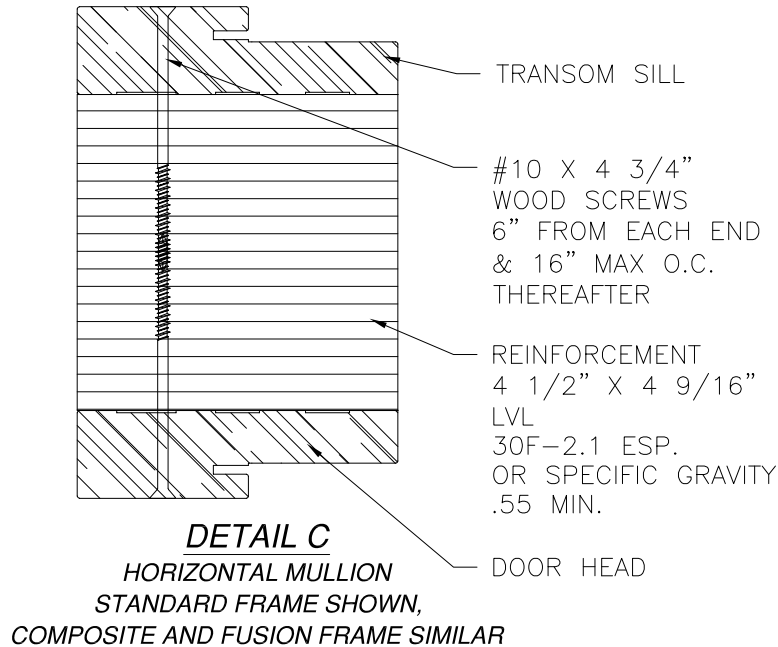
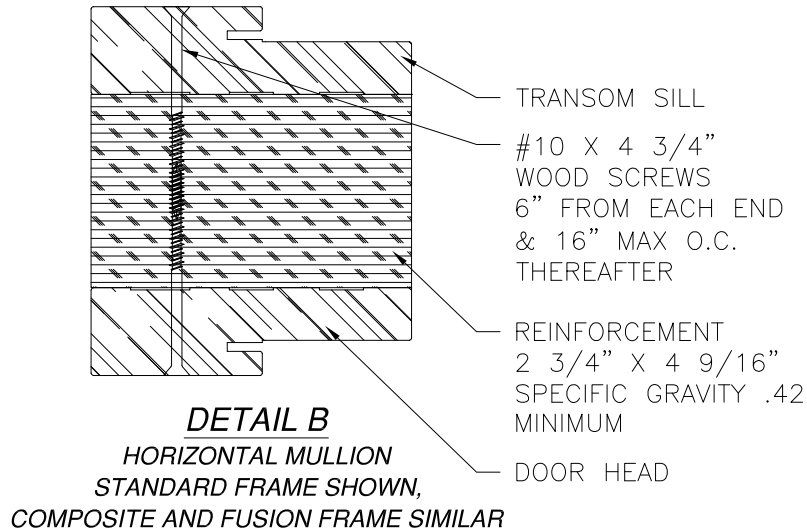
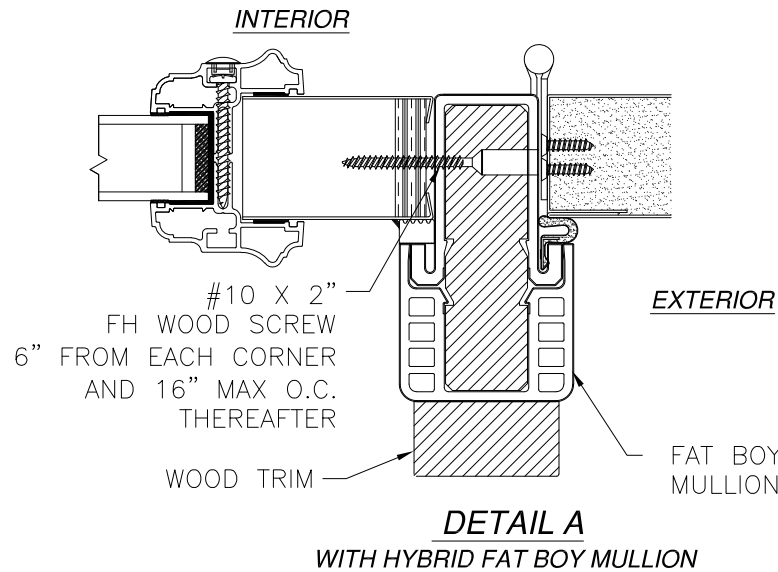
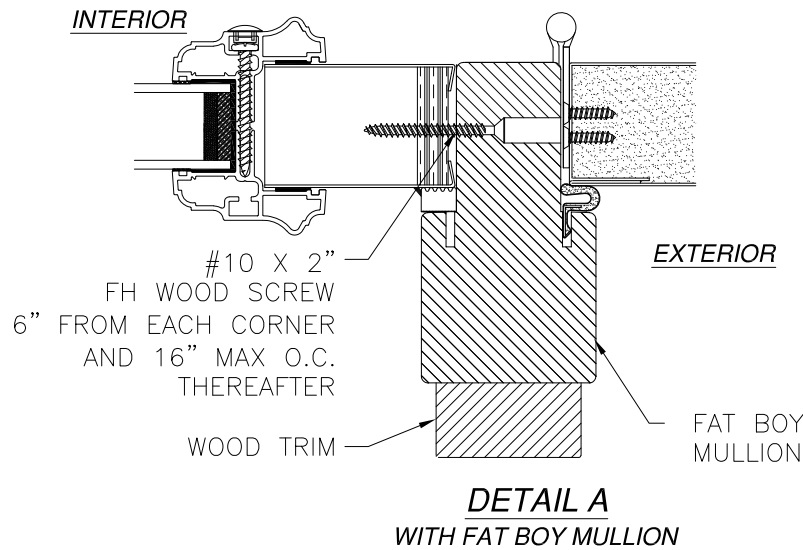
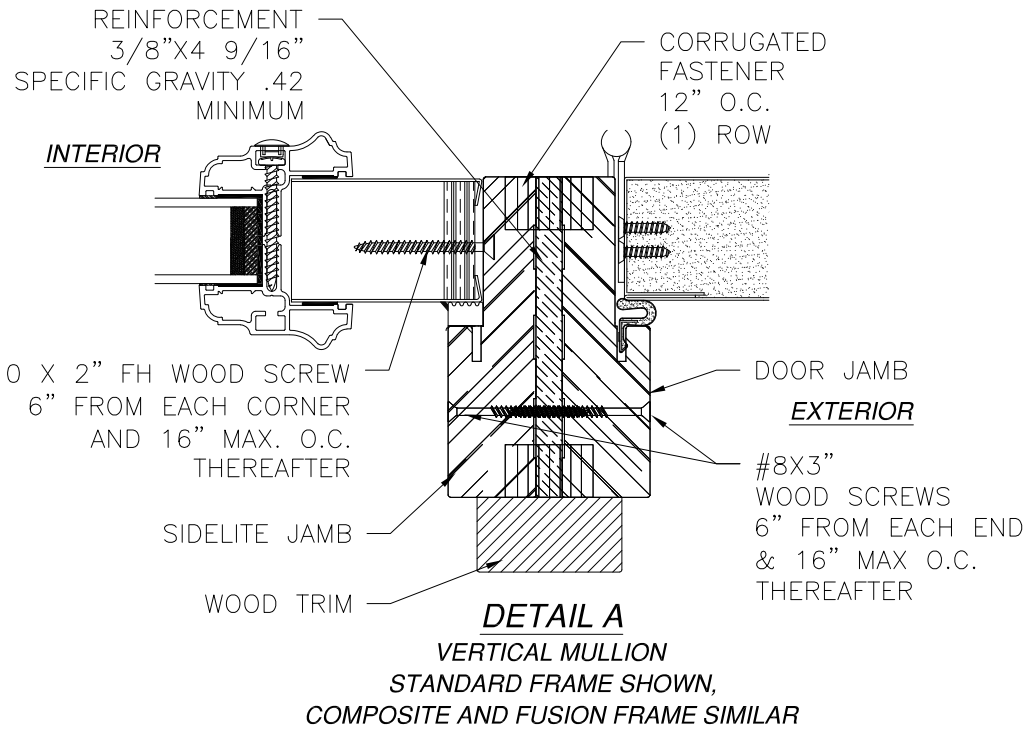
OPTION 13
XLE TRIM

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT APPROVED SLABS AND TRIMS		
DRAWN: V.L.	DWG NO. 08-02081	REV J
SCALE NTS	DATE 06/19/13	SHEET 14 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/27/2023



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



REVISIONS			
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J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.

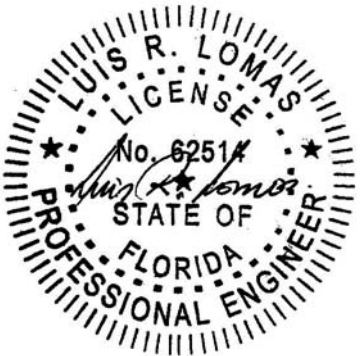
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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

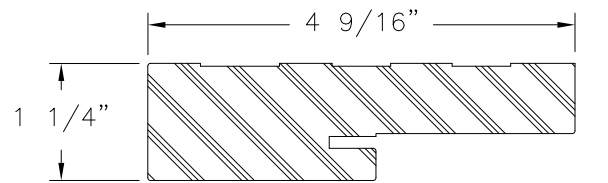
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
MULLION DETAILS

DRAWN: V.L.	DWG NO. 08-02081	REV J
SCALE NTS	DATE 06/19/13	SHEET 15 OF 16

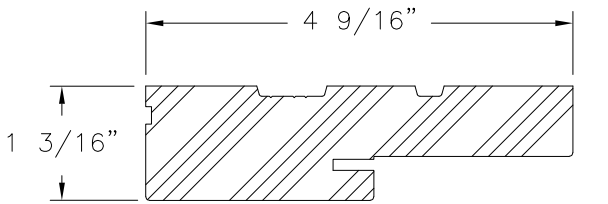
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



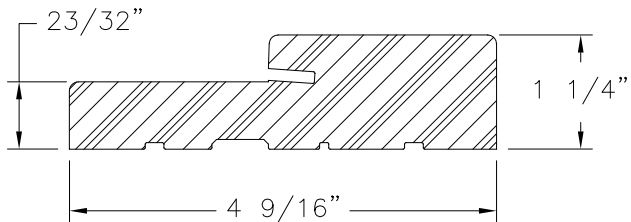
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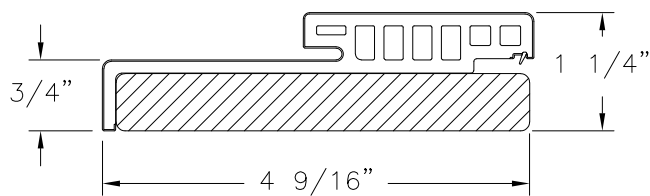
COMPOSITE FRAME PROFILE



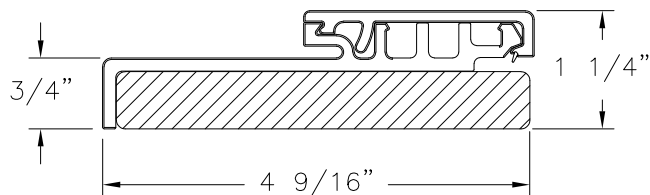
WOOD FRAME PROFILE



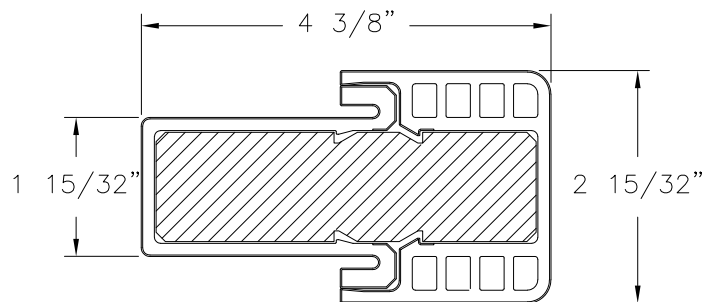
FRAMESAVER
COMPOSITE



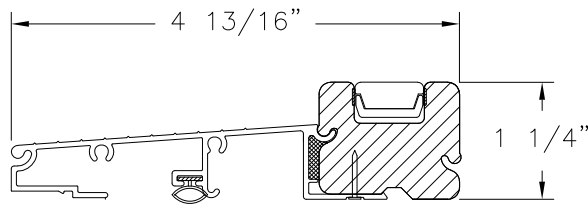
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WOOD/COMPOSITE



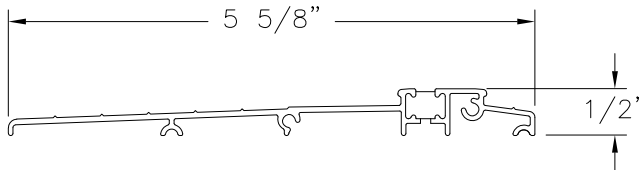
HYBRID JAMB
WOOD/COMPOSITE



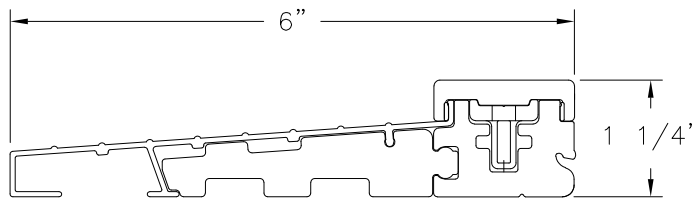
HYBRID FAT BOY MULLION
COMPOSITE



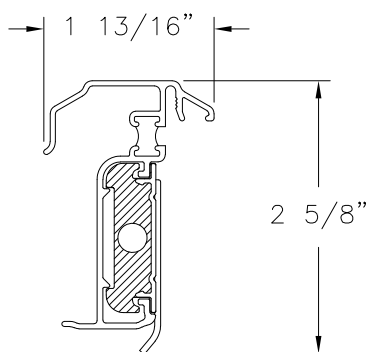
SAHARA INSWING THRESHOLD



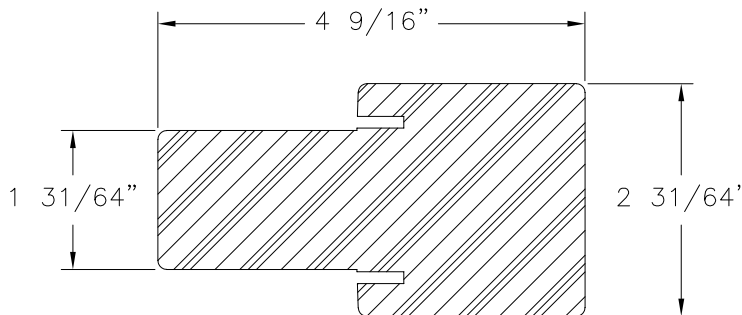
ADA THRESHOLD



INSWING SILL

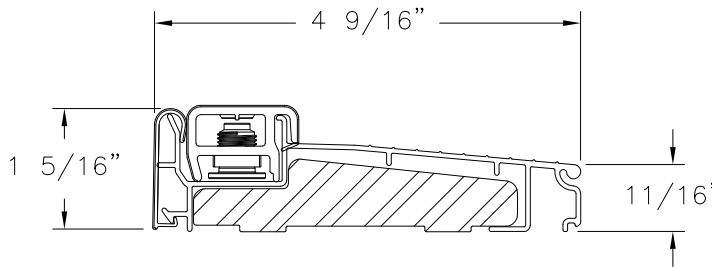


HURRICANE ASTRAGAL DETAIL

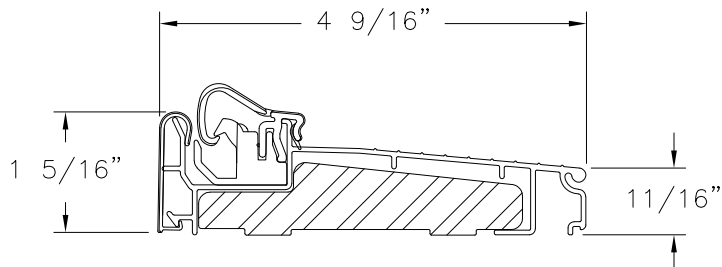


FAT BOY MULLION
COMPOSITE

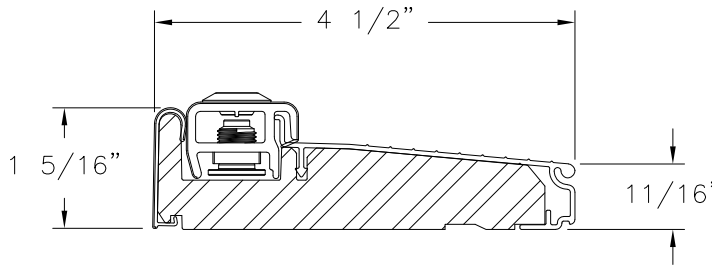
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



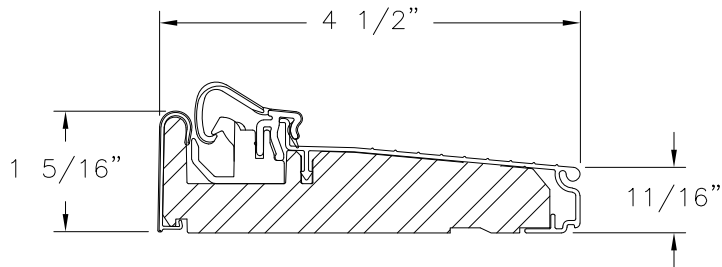
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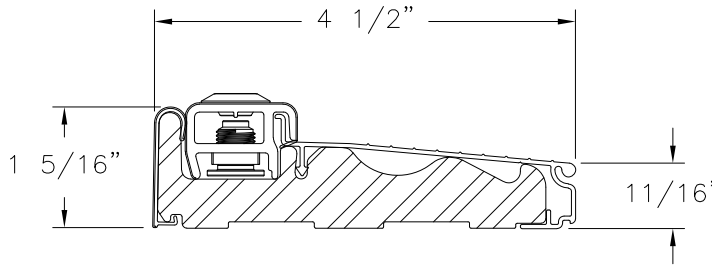
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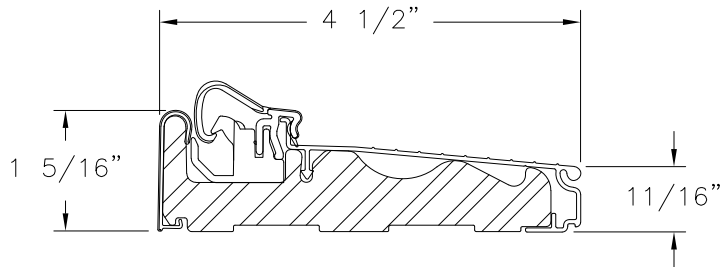
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INSWING SILL ZAC4565F



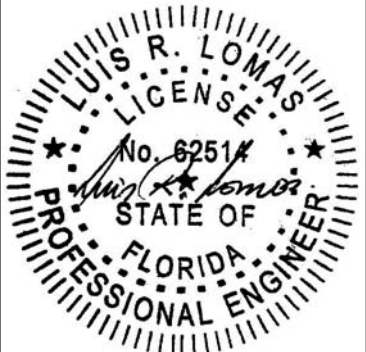
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INSWING SILL ZAACLH4565

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SCALE NTS	DATE 06/19/13	SHEET 16 OF 16
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