

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	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), 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
K

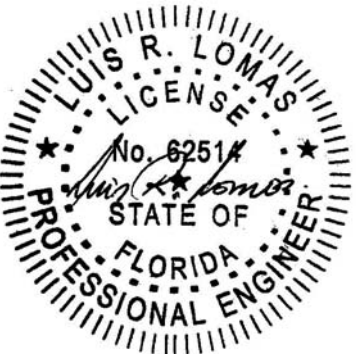
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DATE 06/19/13

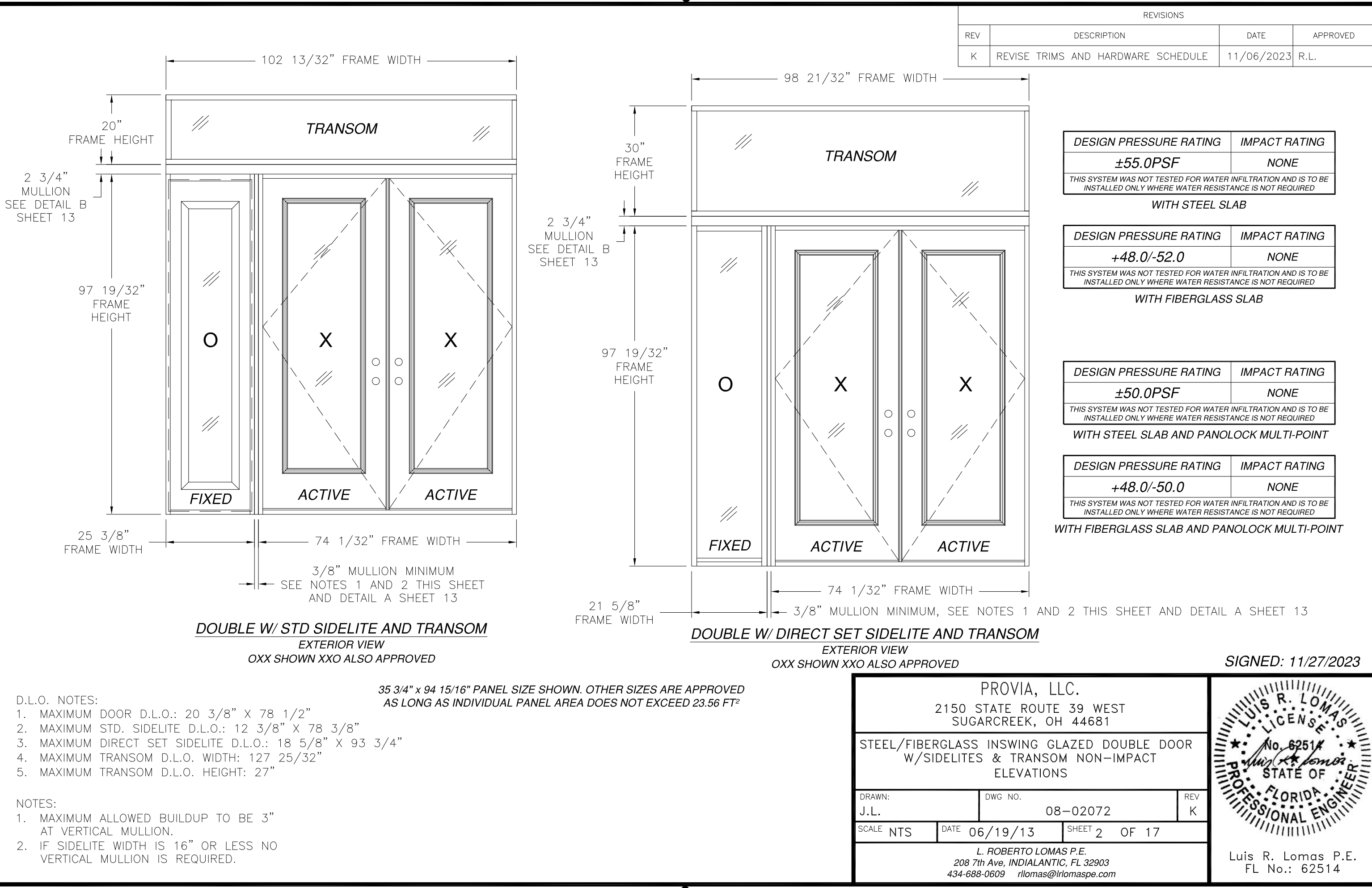
SHEET 1 OF 17

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SIGNED: 11/27/2023



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



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

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

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+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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W/SIDELITES & TRANSOM NON-IMPACT
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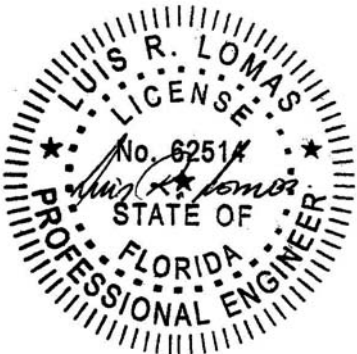
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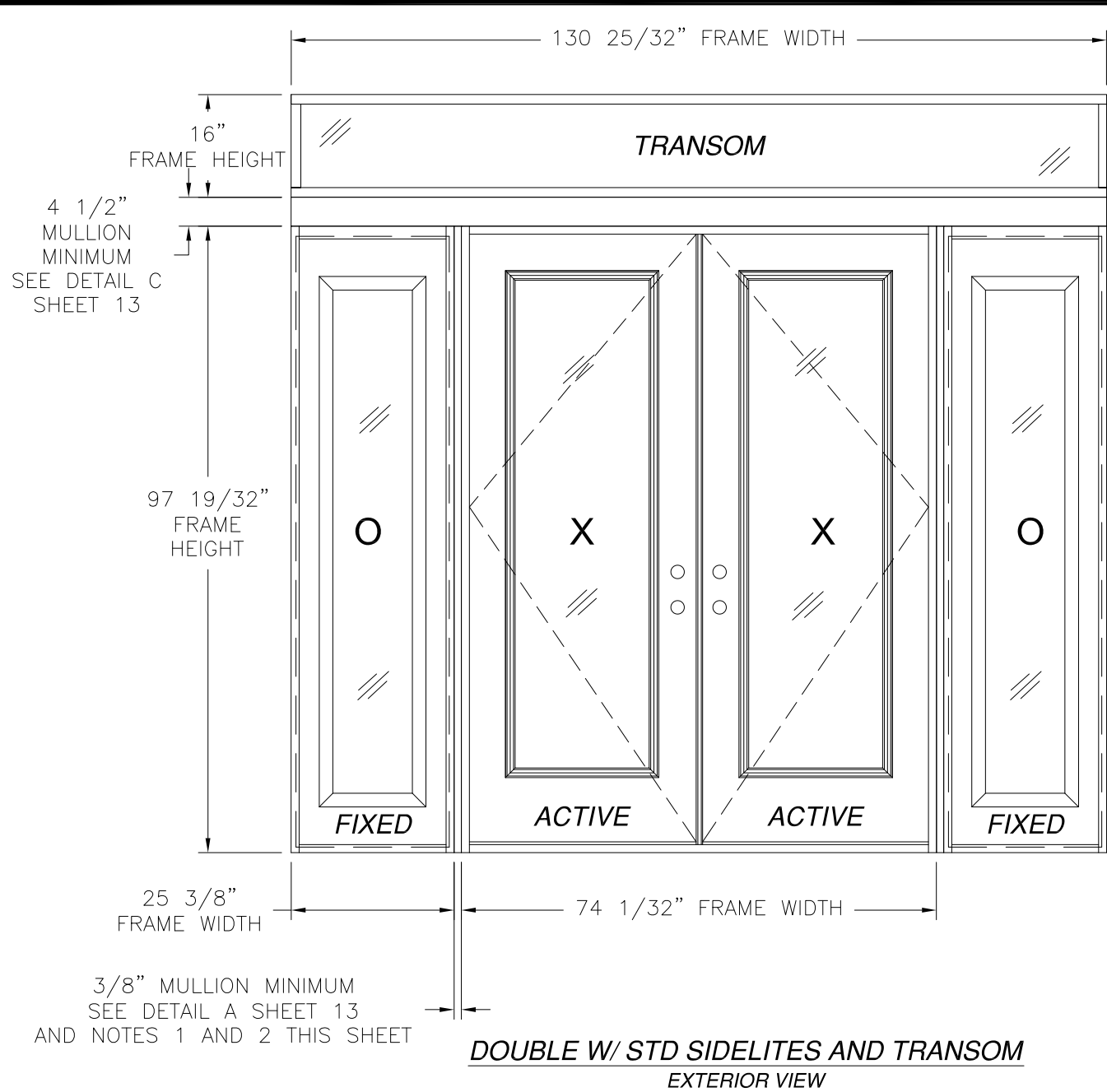


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- D.L.O. NOTES:
1. MAXIMUM DOOR D.L.O.: 20 3/8" X 78 1/2"
 2. MAXIMUM STD. SIDELITE D.L.O.: 12 3/8" X 78 3/8"
 3. MAXIMUM DIRECT SET SIDELITE D.L.O.: 18 5/8" X 93 3/4"
 4. MAXIMUM TRANSOM D.L.O. WIDTH: 127 25/32"
 5. MAXIMUM TRANSOM D.L.O. HEIGHT: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



DOUBLE W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW

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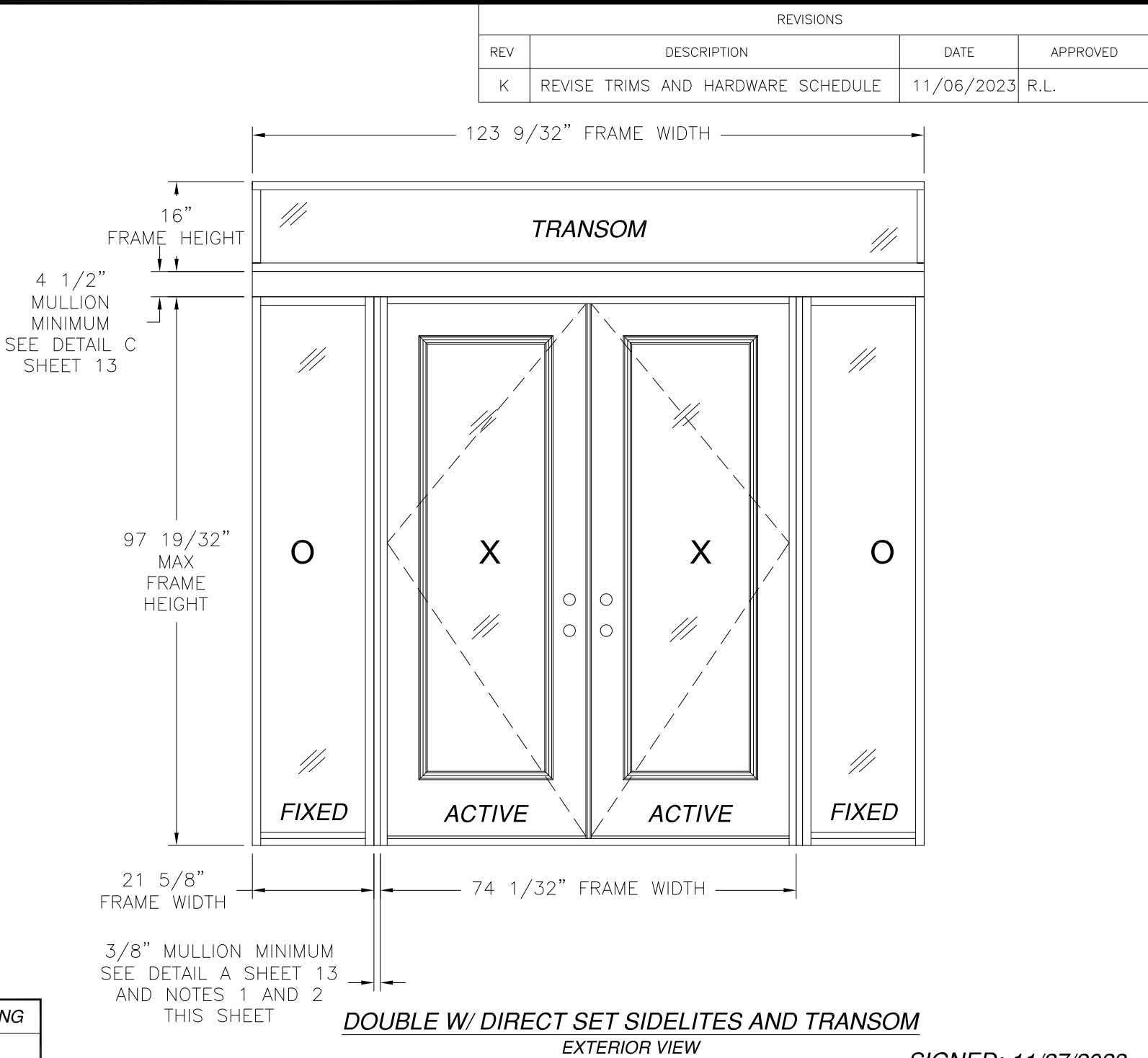
WITH STEEL SLAB AND PANOLOCK MULTI-POINT

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DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
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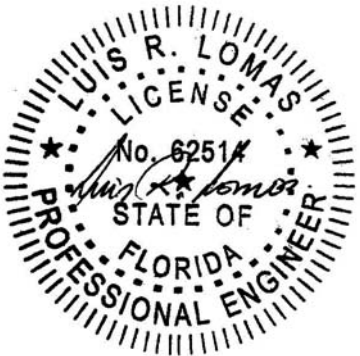
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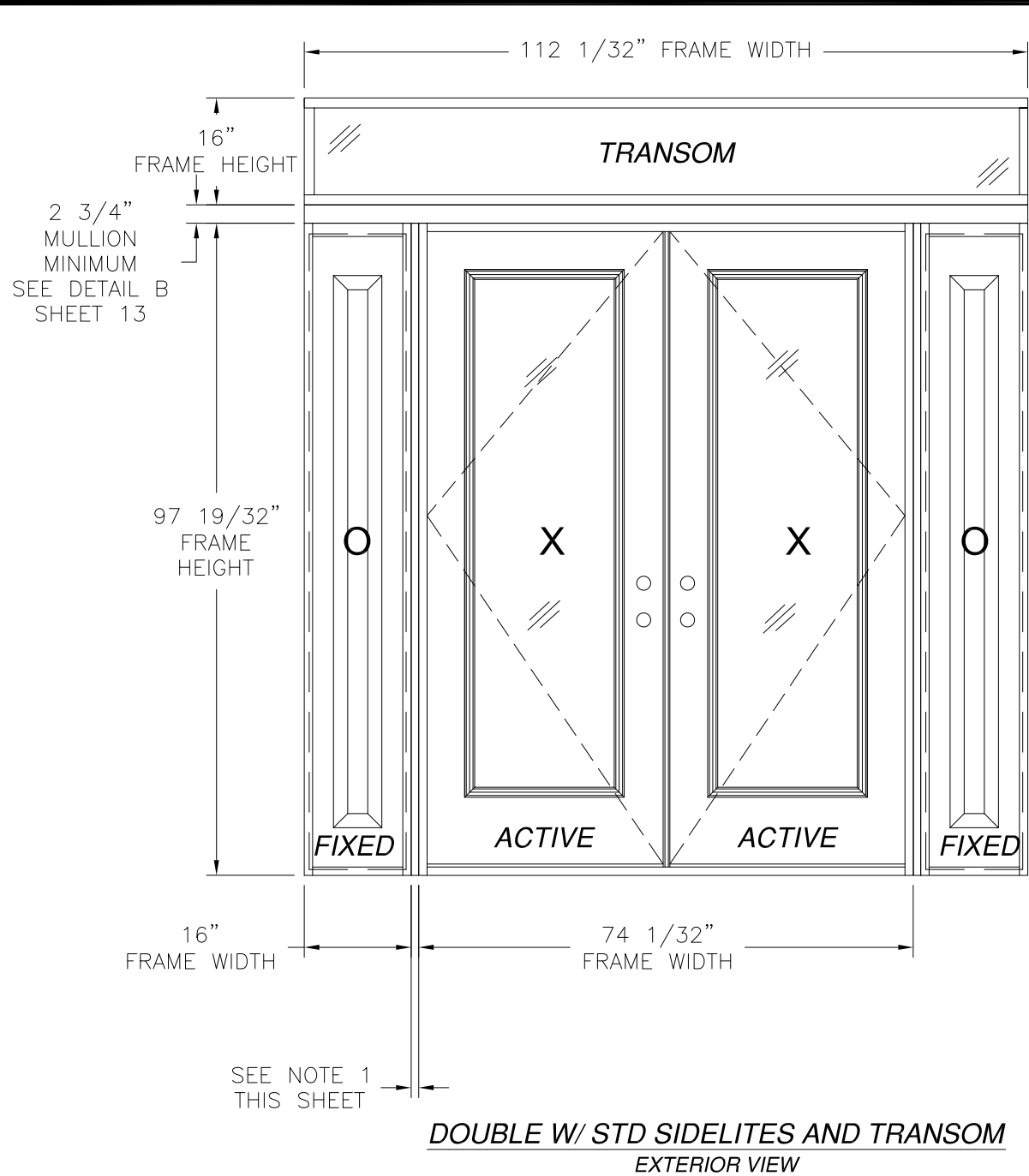
SHEET
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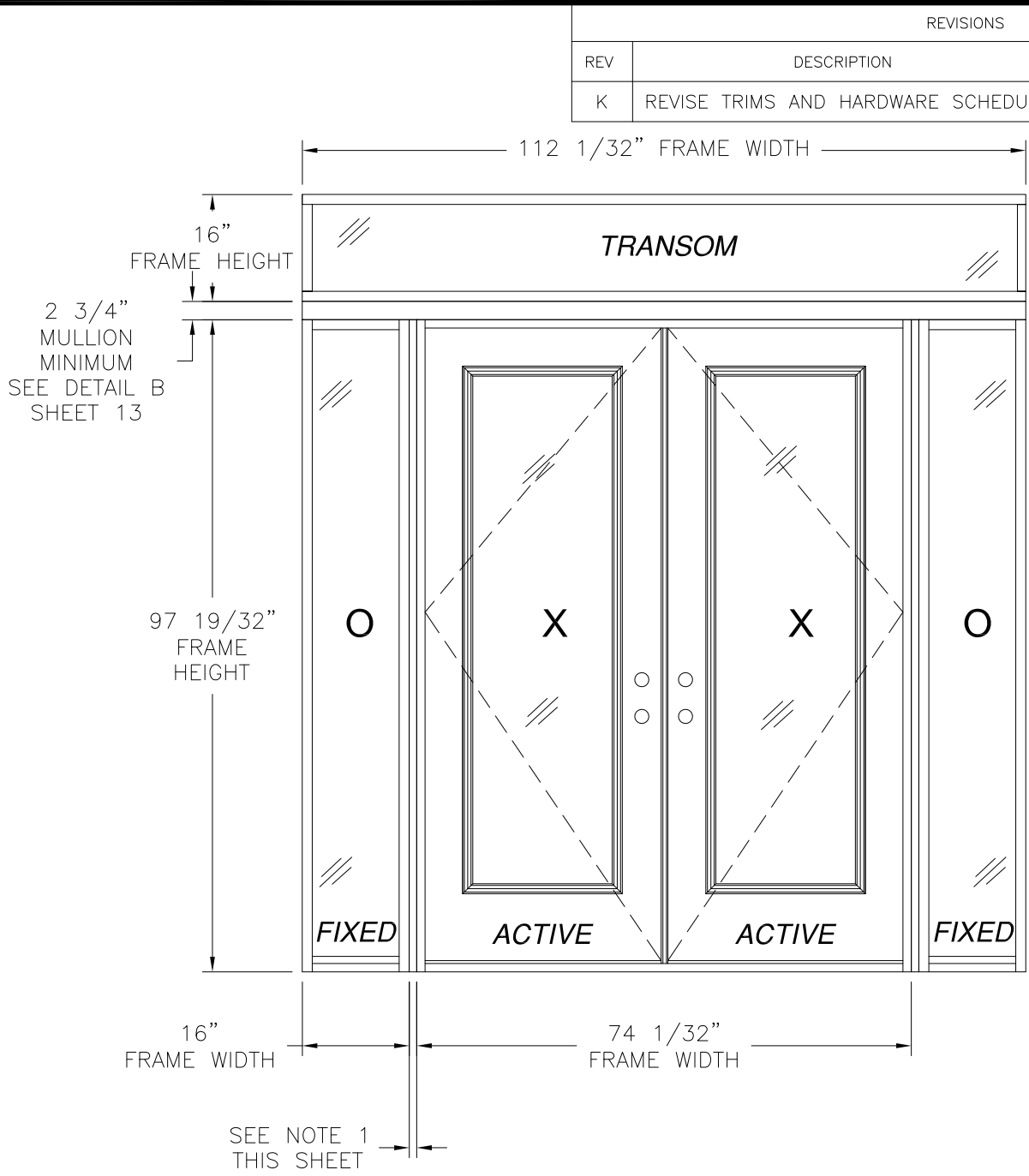
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DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

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STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT ELEVATIONS		
DRAWN: J.L.	DWG NO. 08-02072	REV K
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

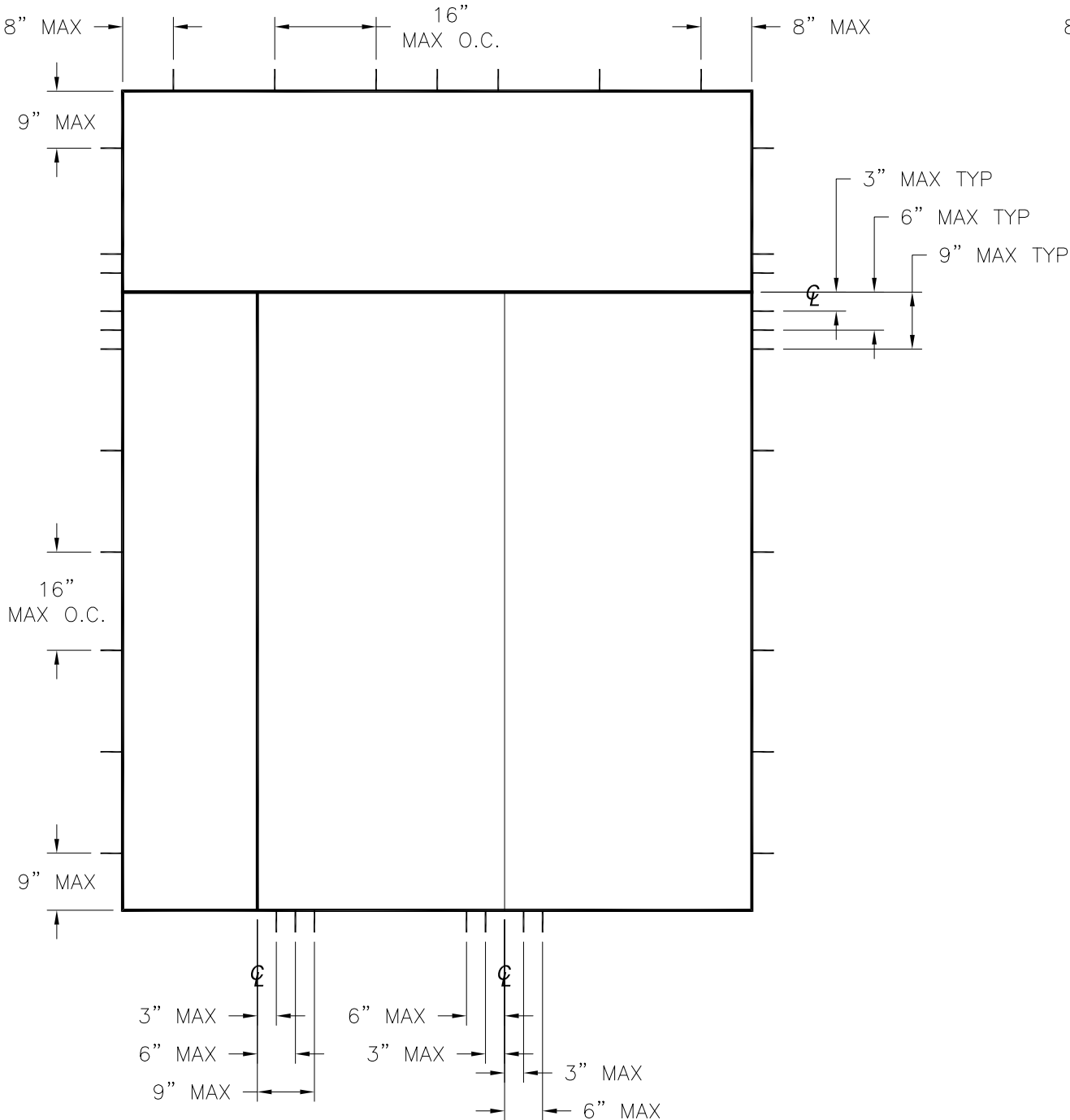
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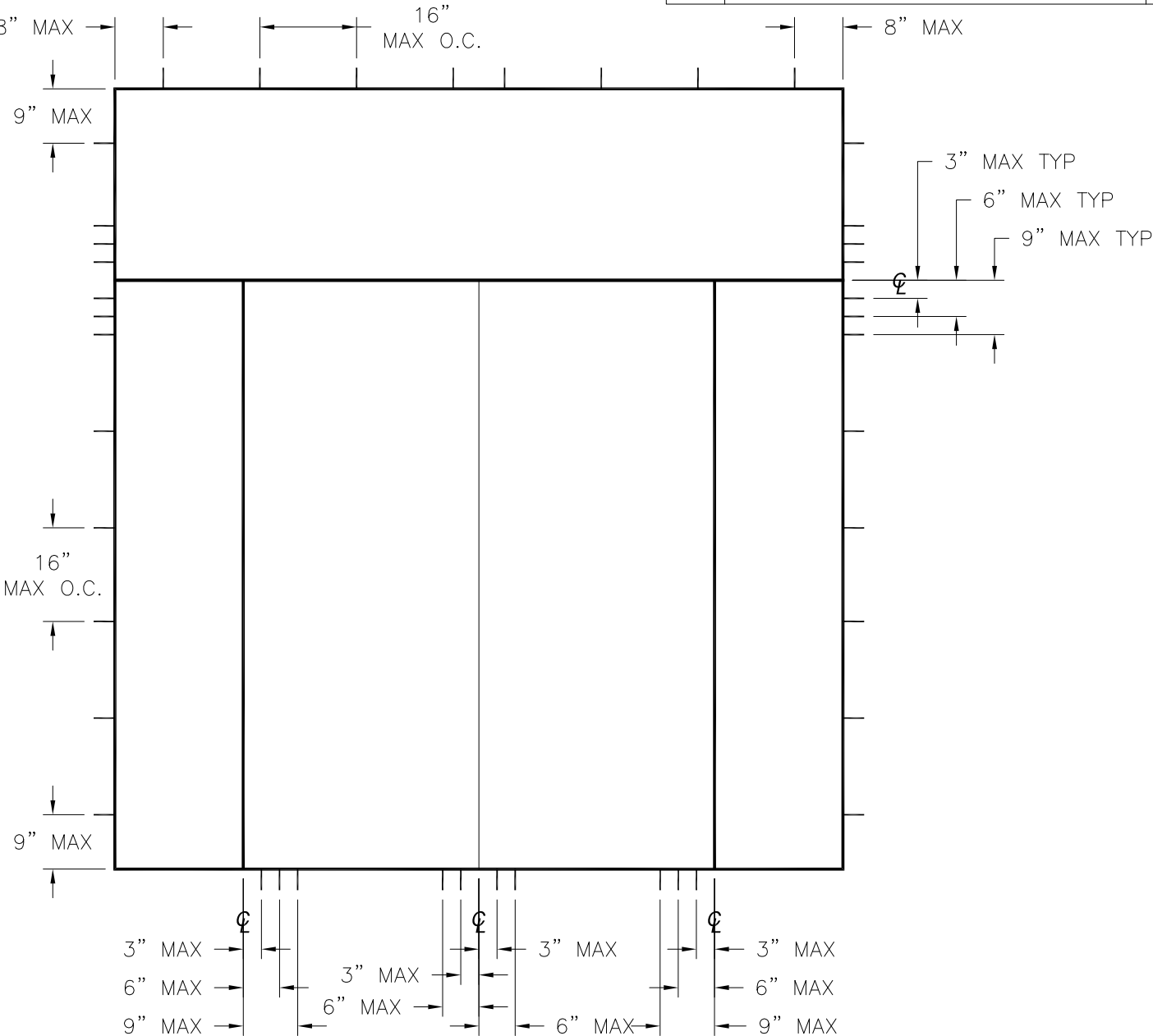
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DOUBLE DOOR W/SIDELITE AND TRANSOM
ANCHORING LAYOUT



DOUBLE DOOR W/SIDELITES AND TRANSOM
ANCHORING LAYOUT

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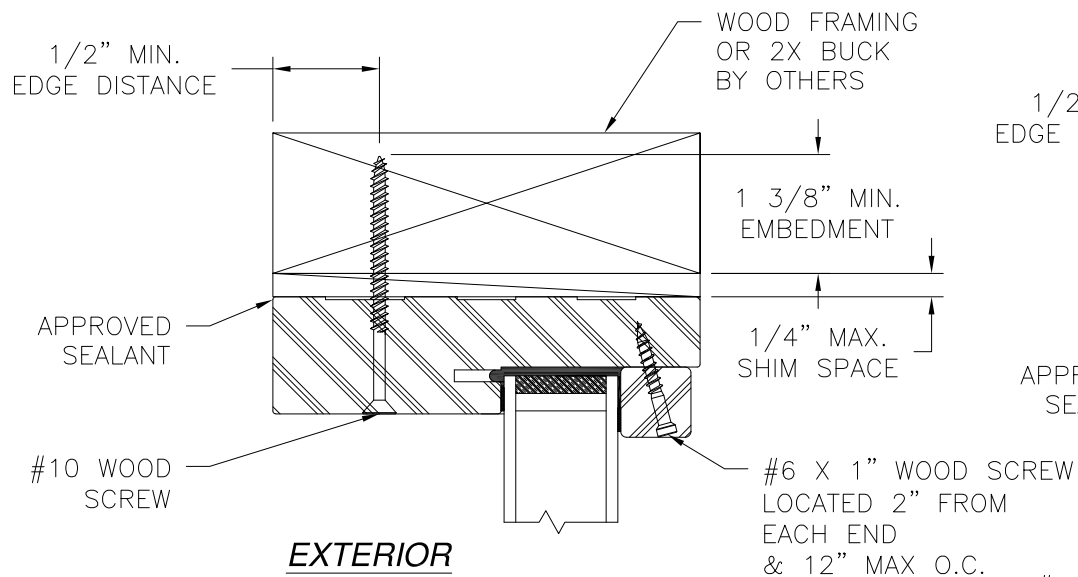
HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
F.	PANOLOCK MULTI-POINT LOCK 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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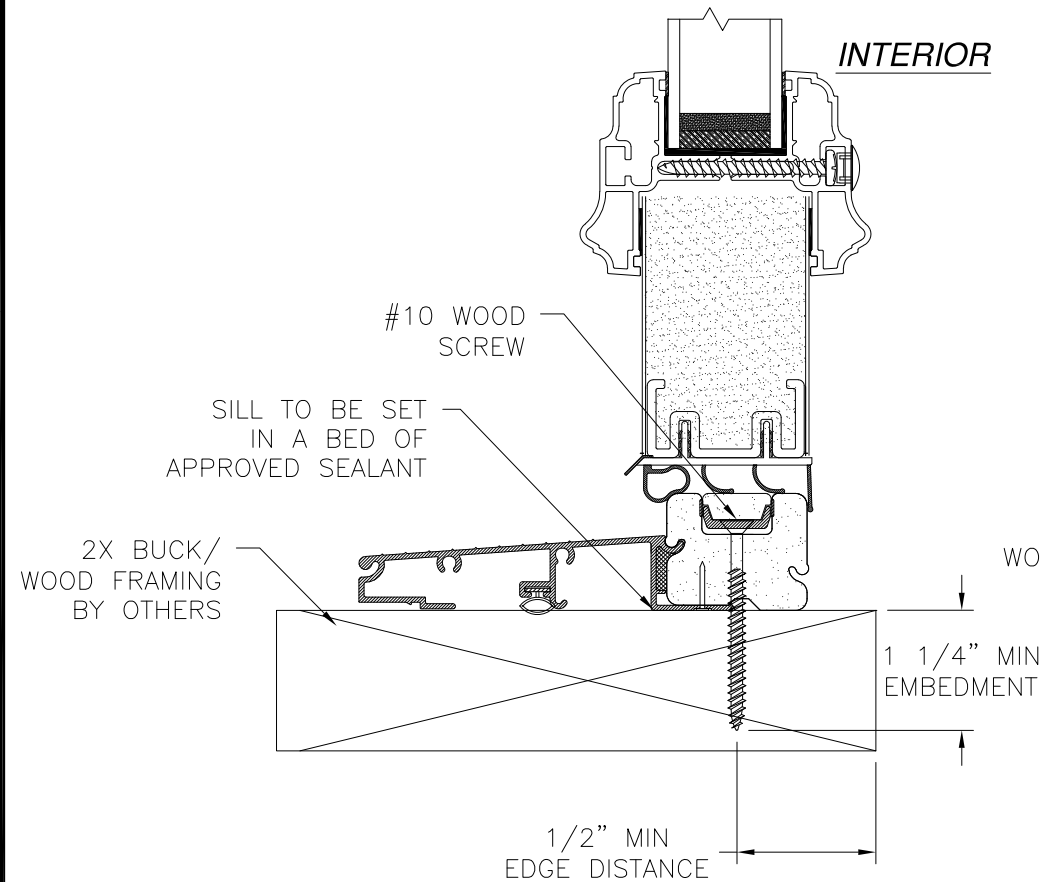
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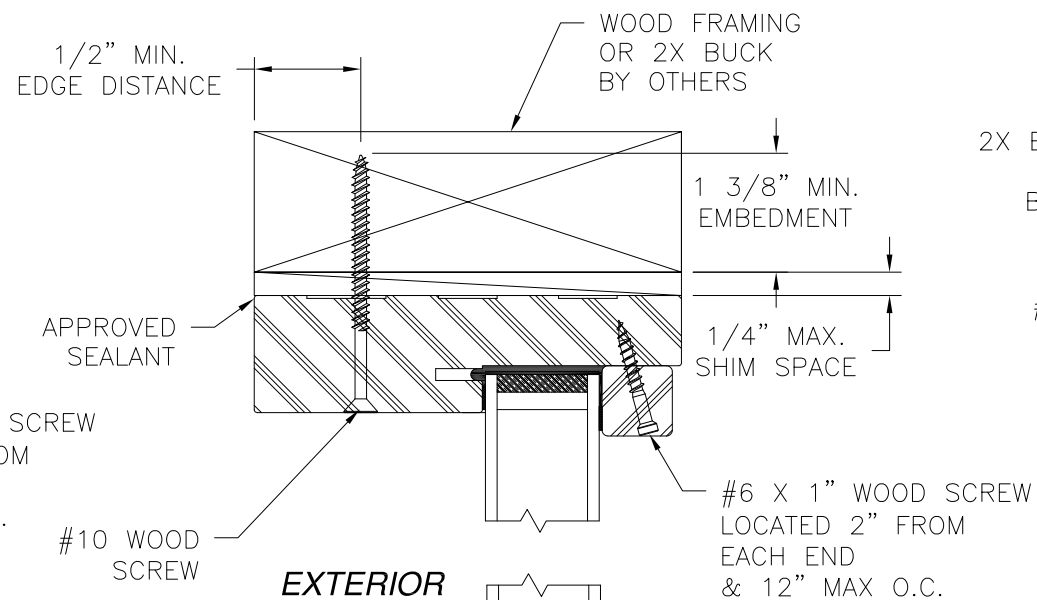
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INTERIOR



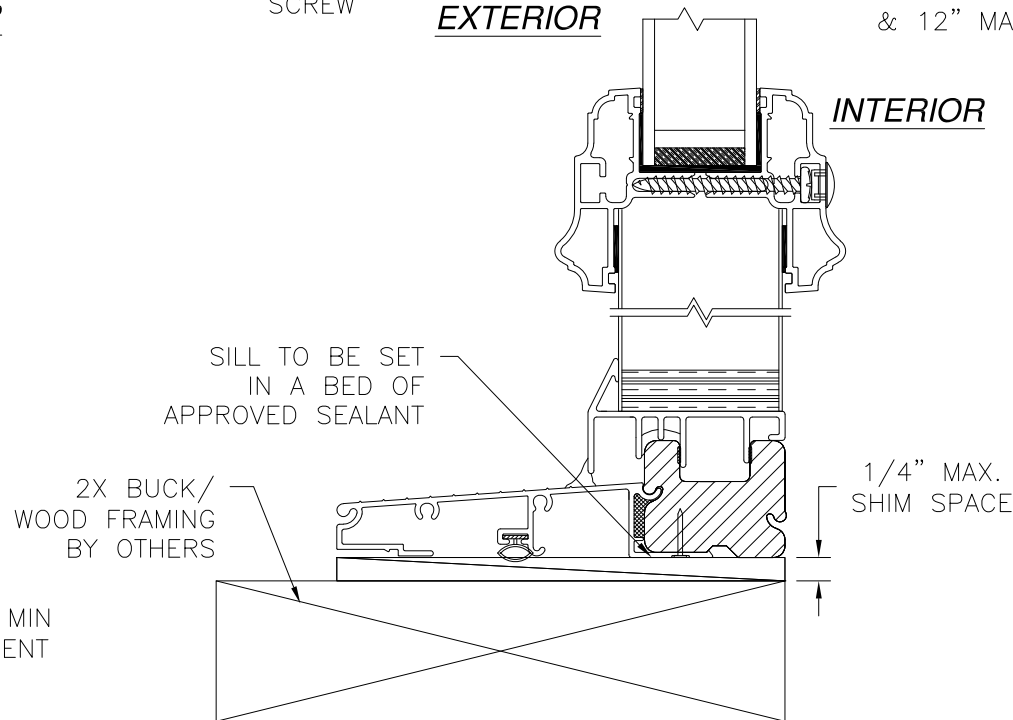
VERTICAL CROSS SECTION

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



EXTERIOR

INTERIOR

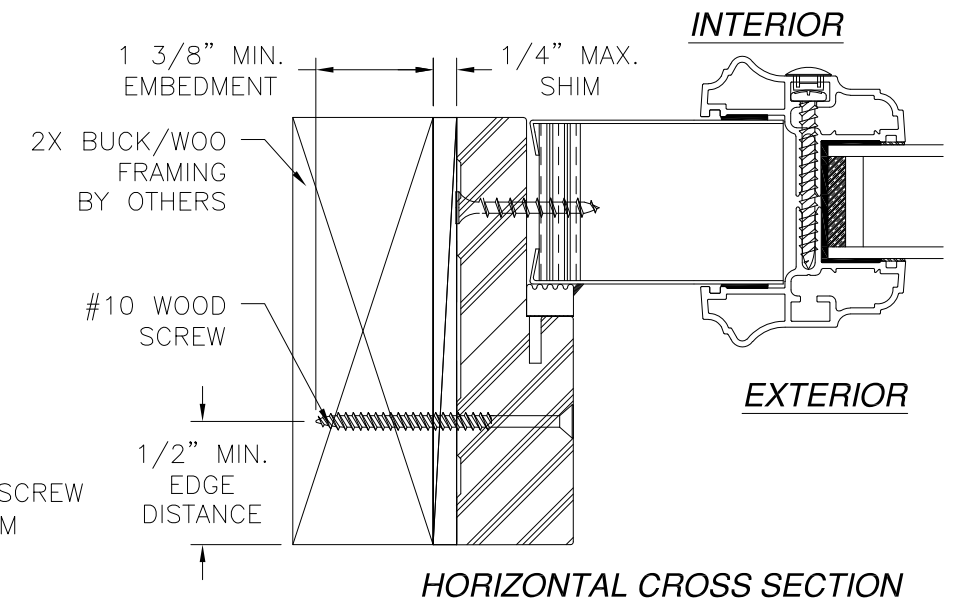


VERTICAL CROSS SECTION

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

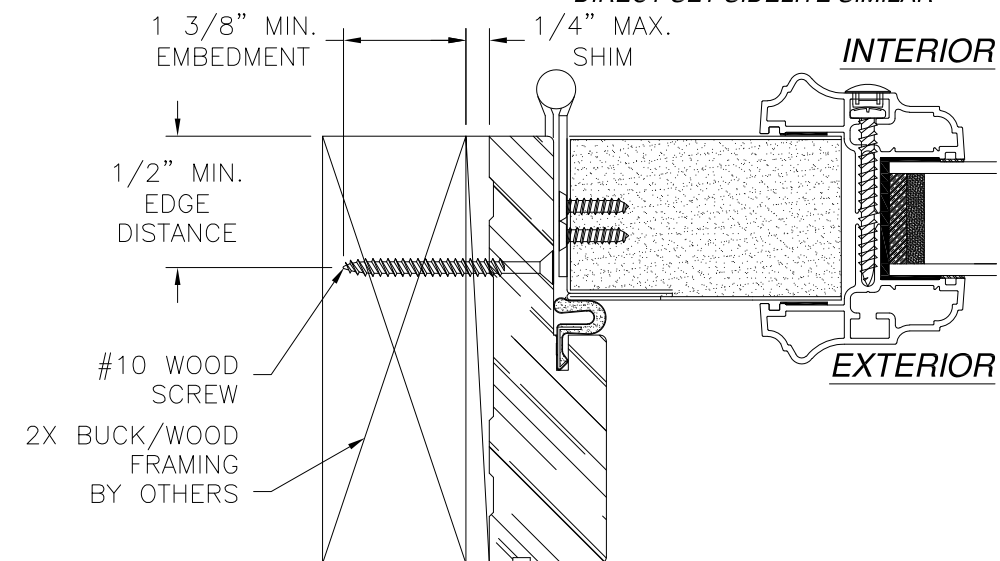
NOTES:

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



EXTERIOR

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



INTERIOR

EXTERIOR

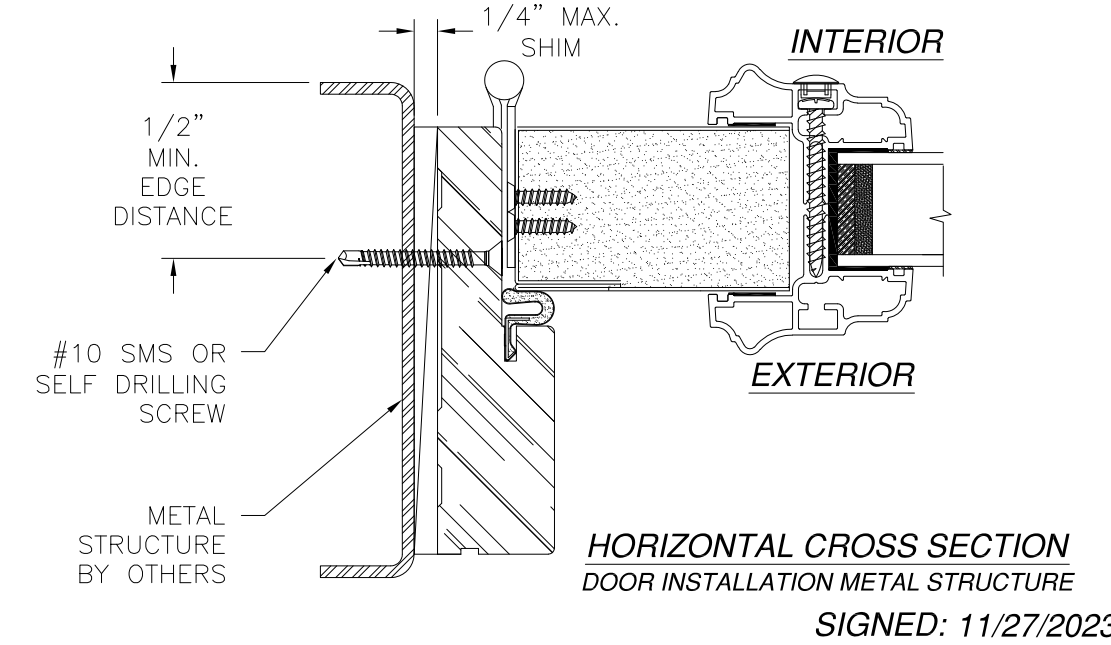
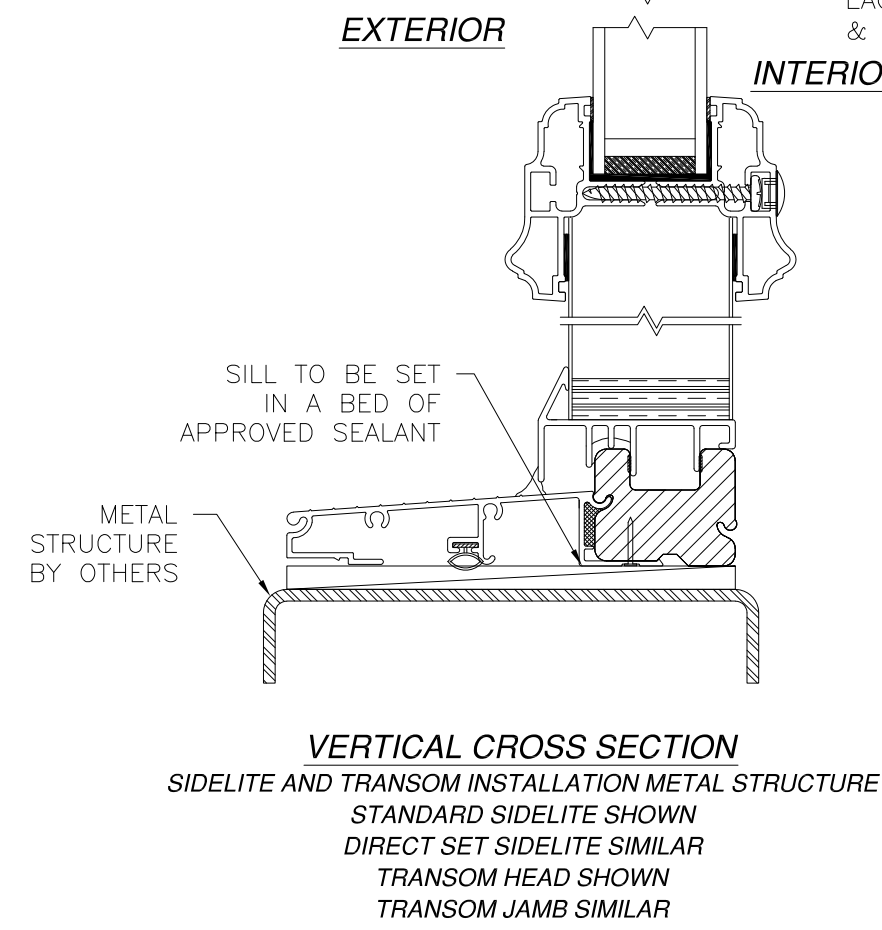
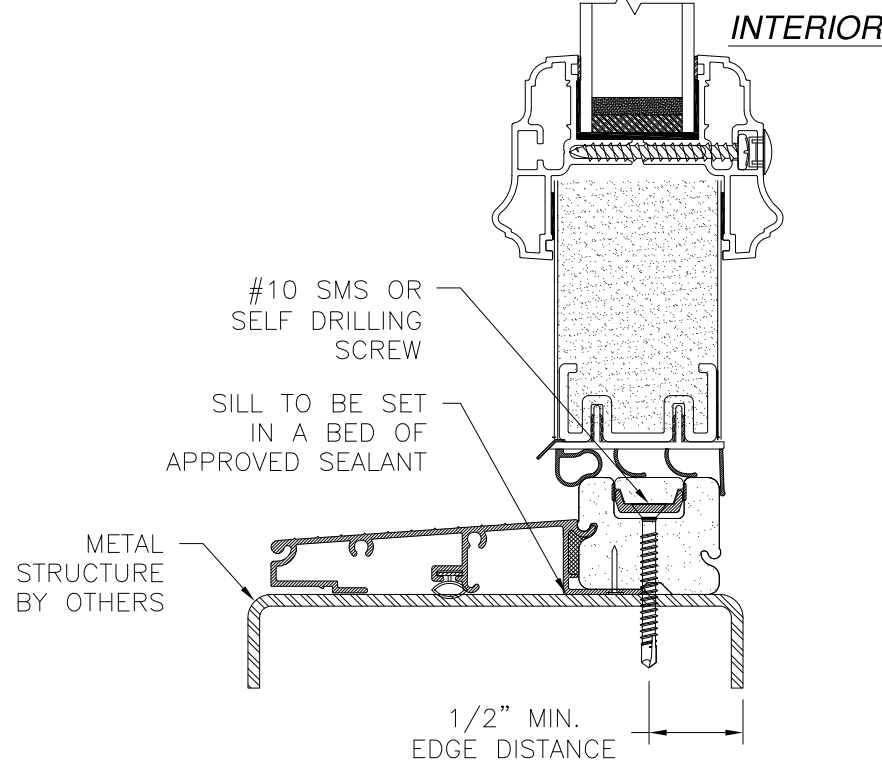
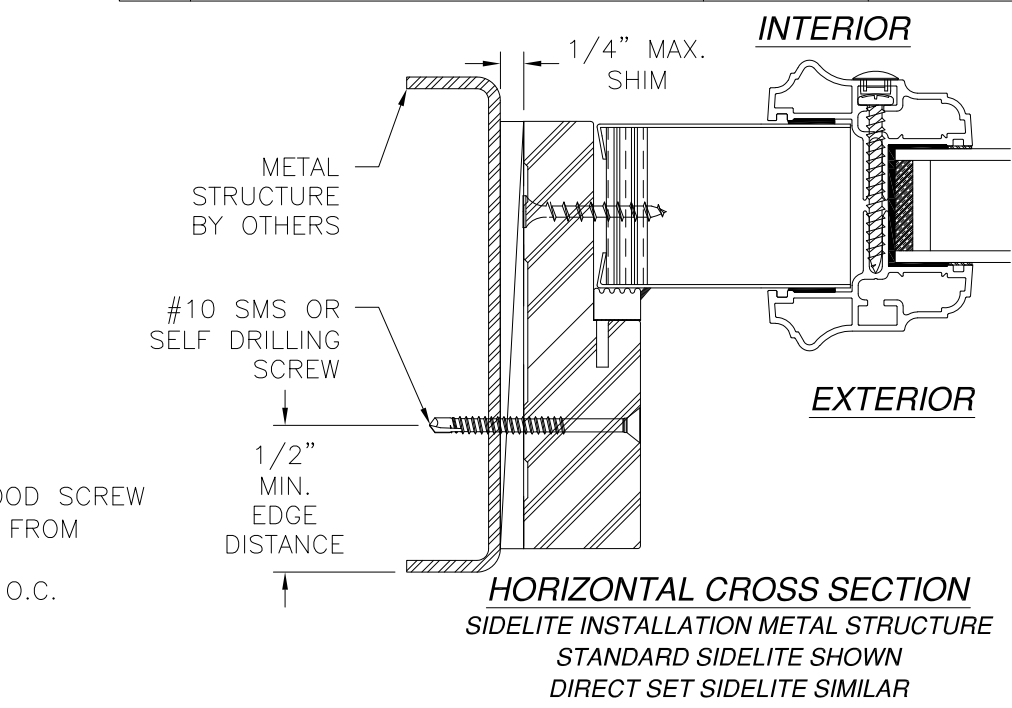
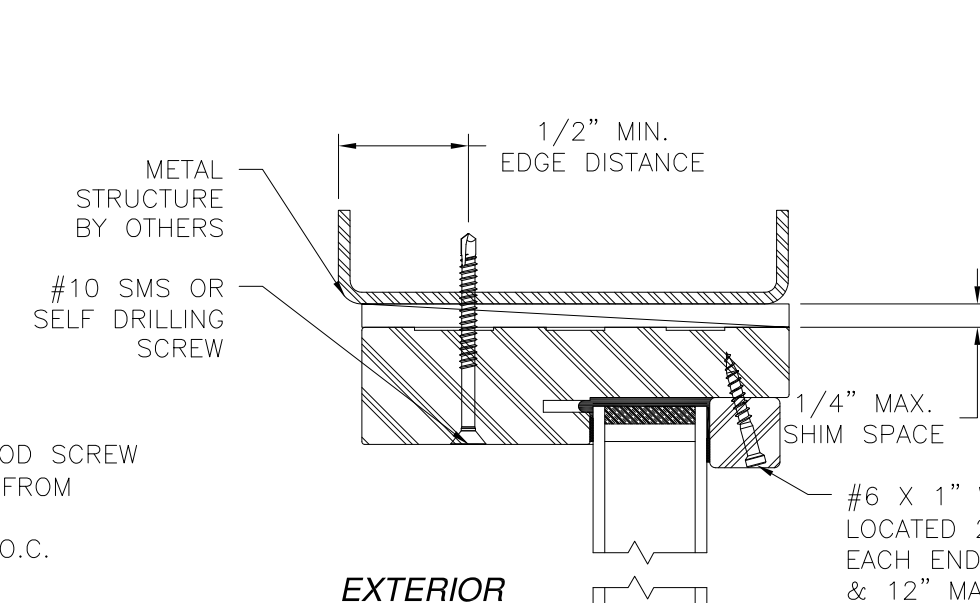
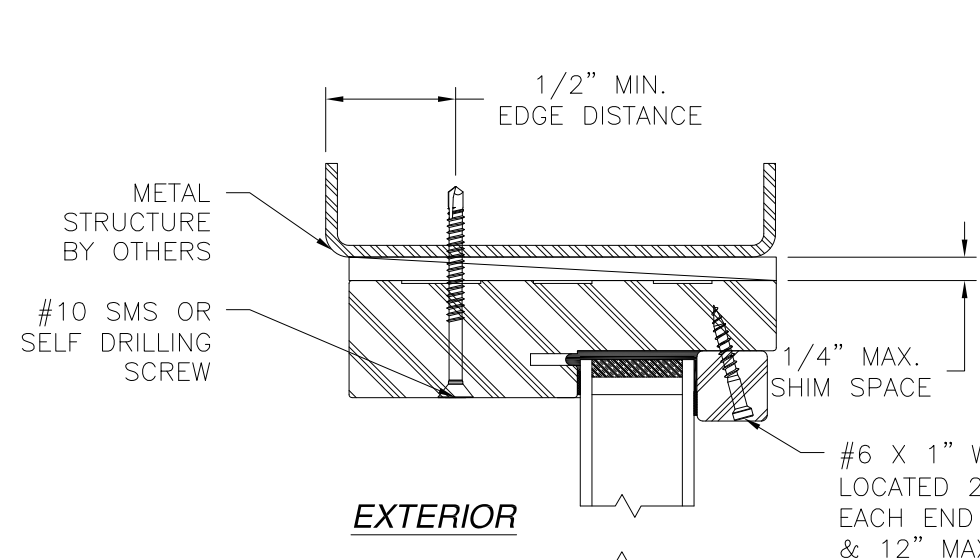
HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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PRO VIA, 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.	DWG NO. 08-02072	REV K
SCALE NTS	DATE 06/19/13	SHEET 6 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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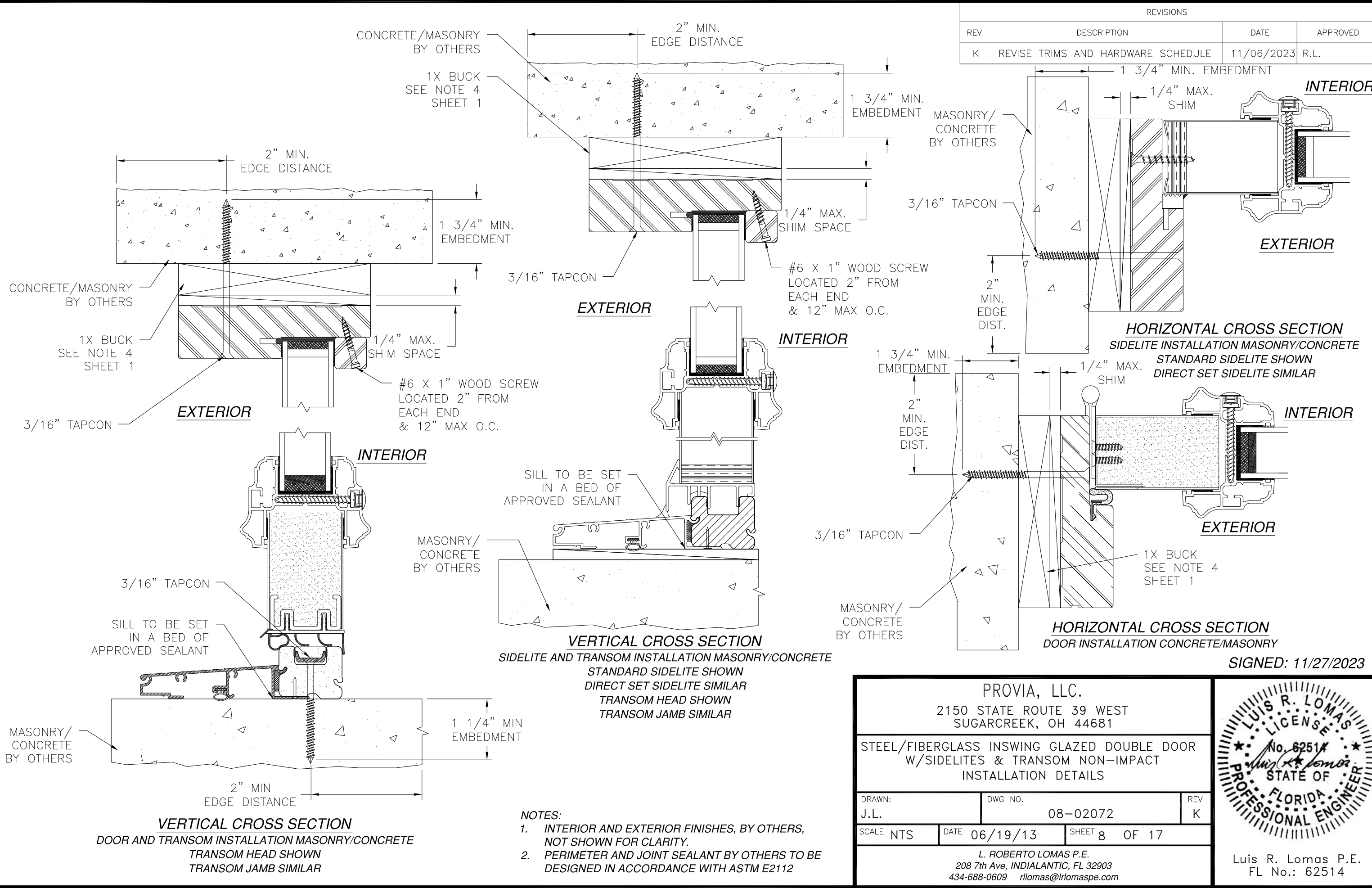
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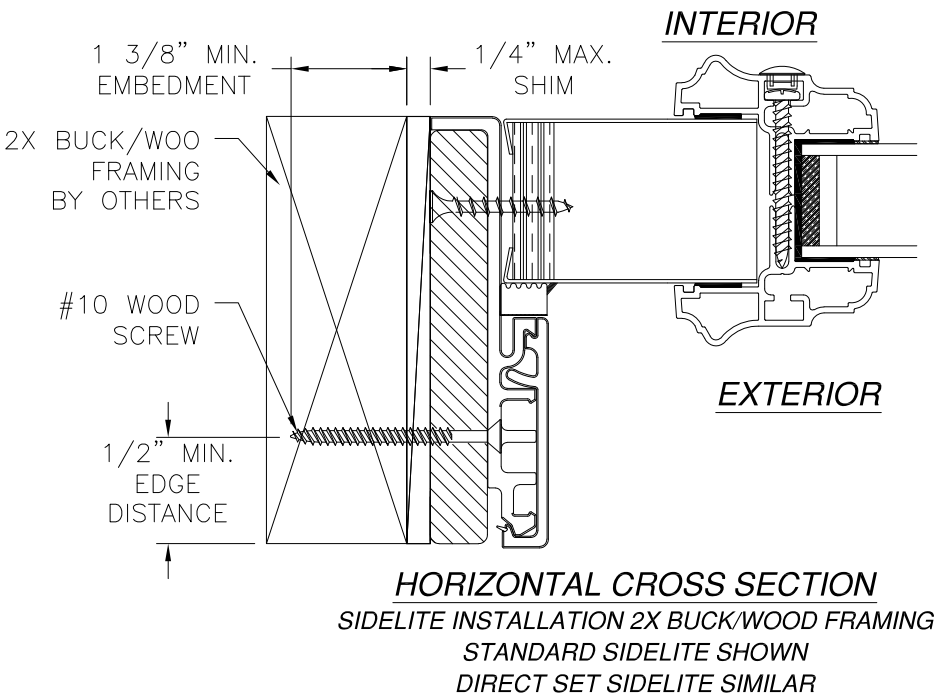
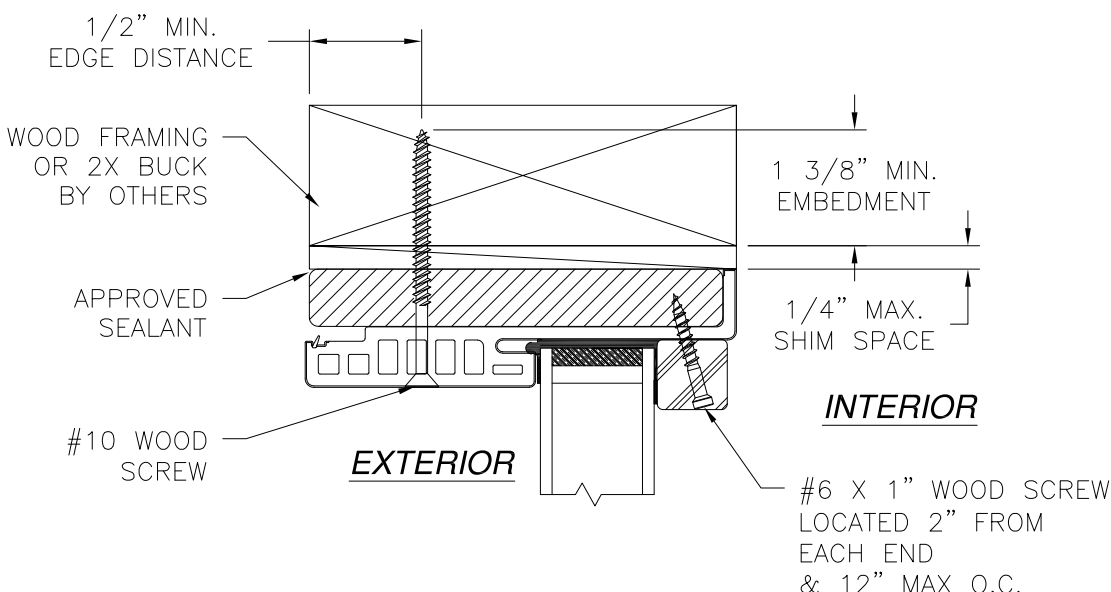
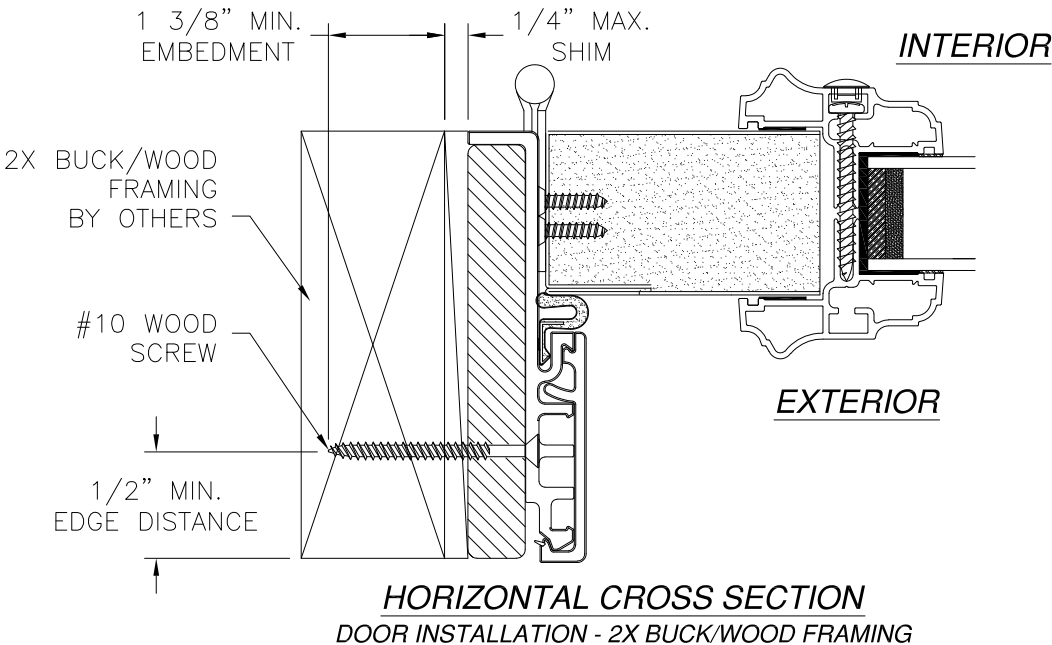
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STATE OF
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PROFESSIONAL ENGINEER

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

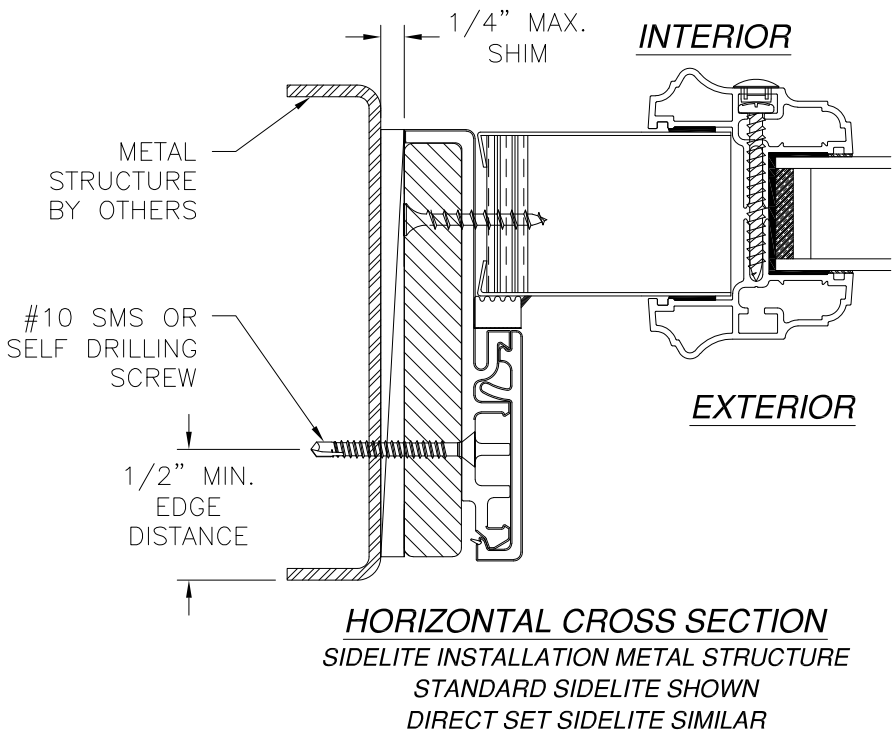
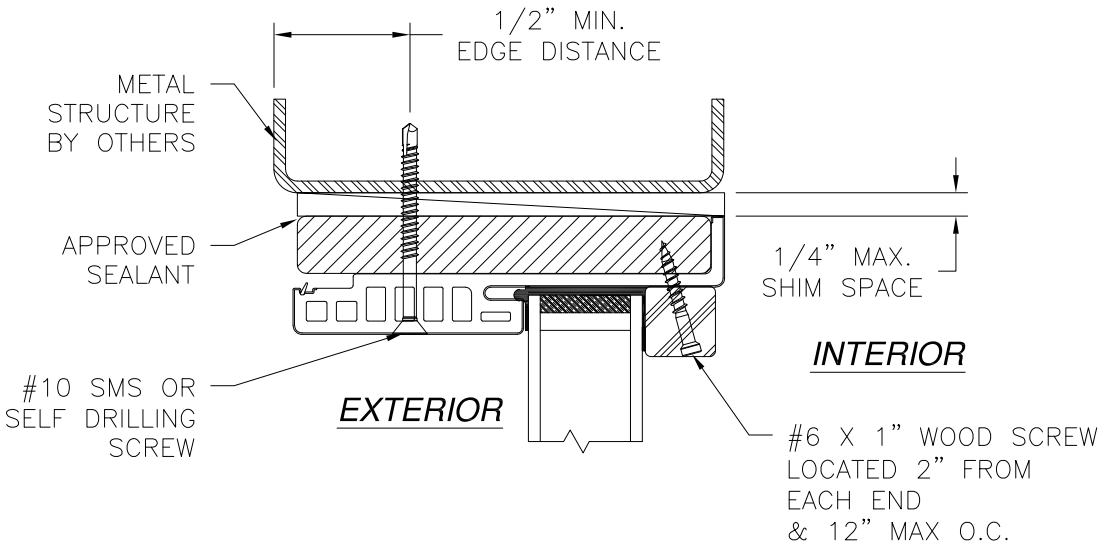
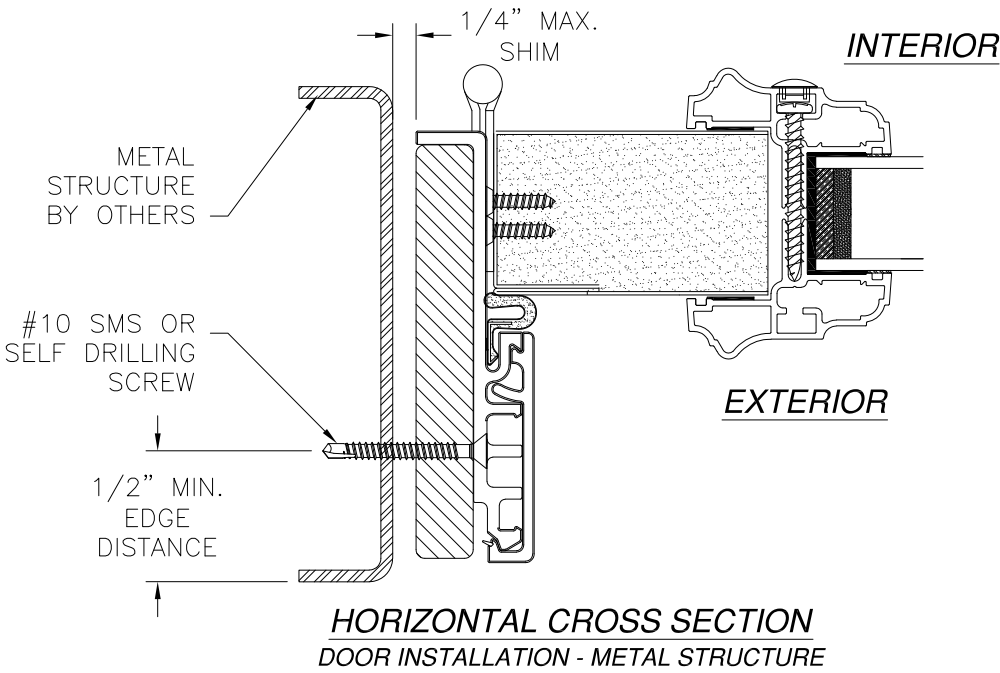
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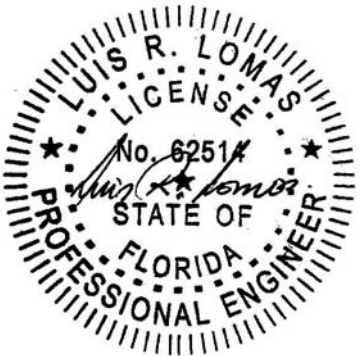
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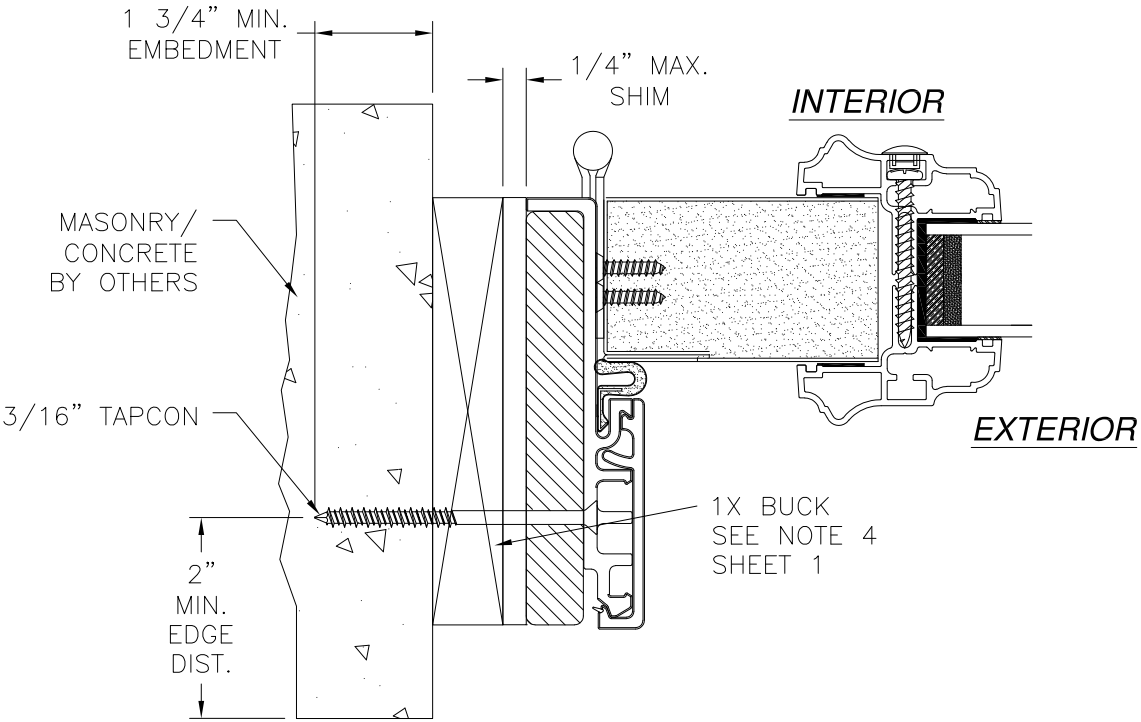
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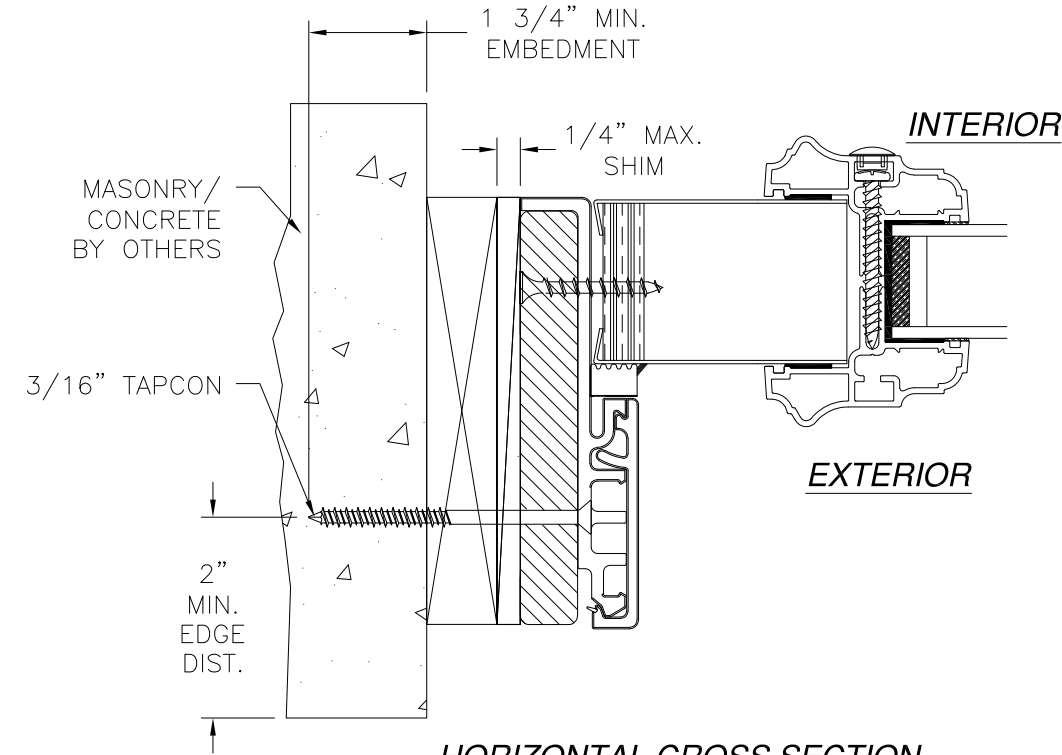


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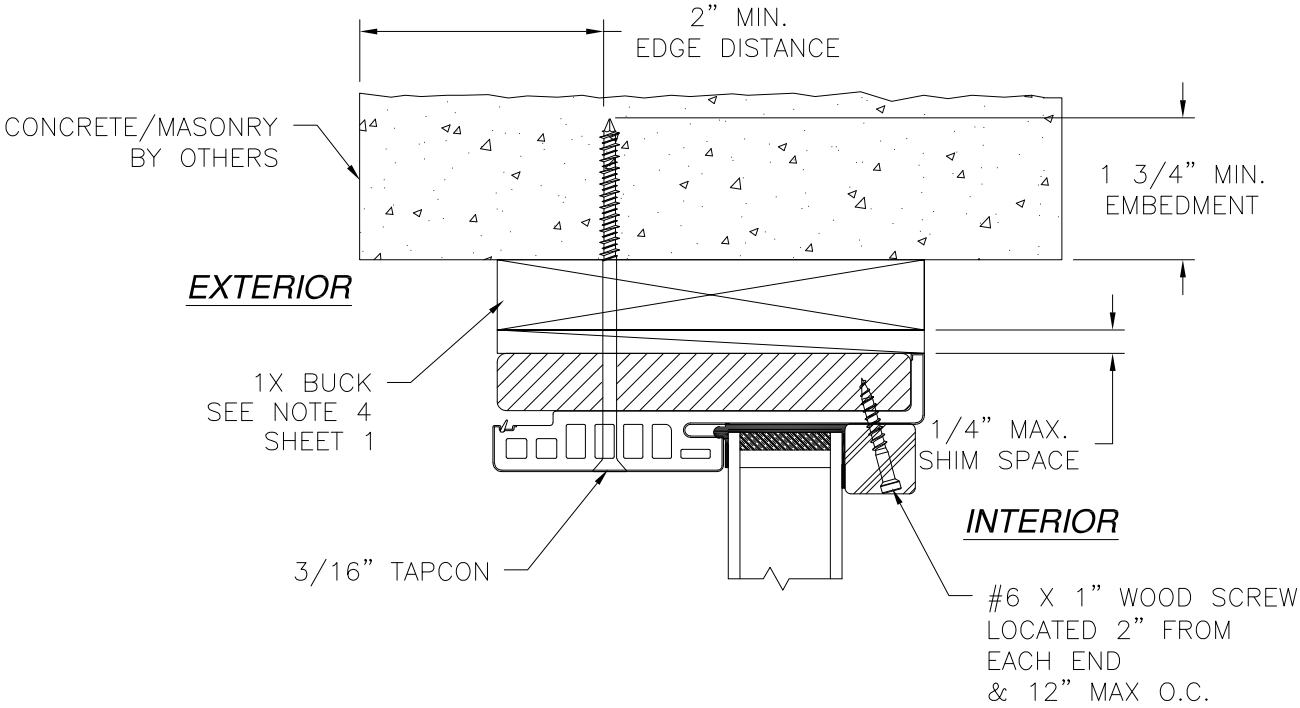


HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY



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

- 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



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

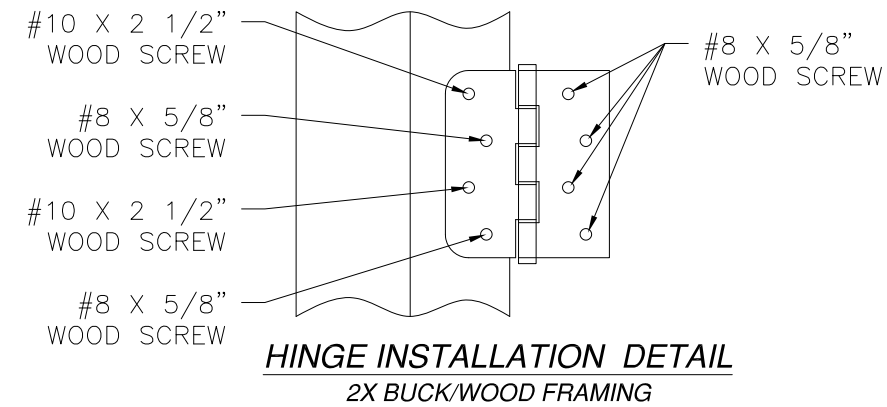
SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: J.L.	DWG NO. 08-02072	REV K
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		

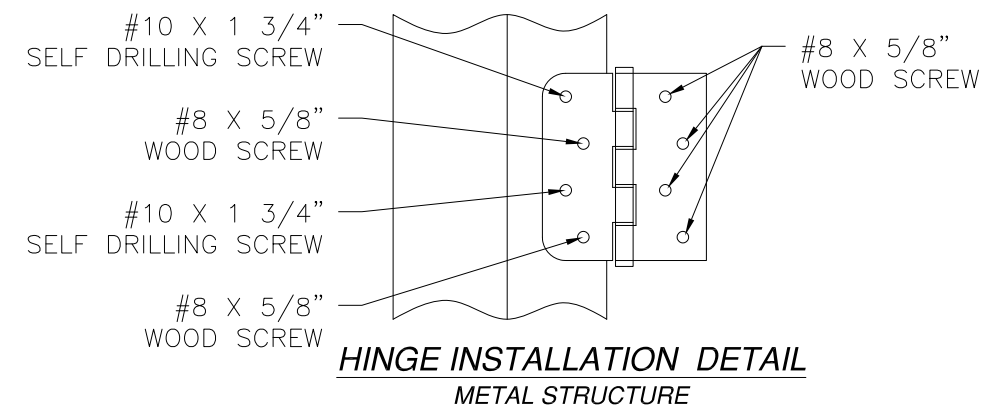
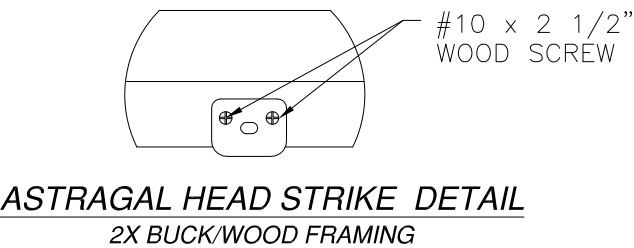
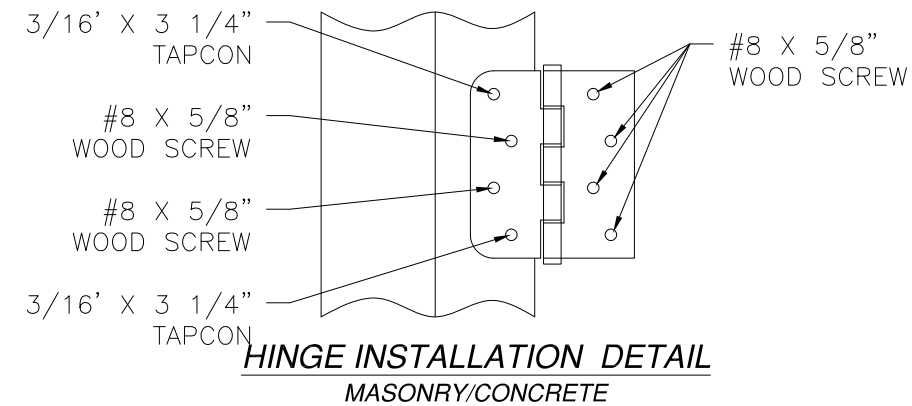
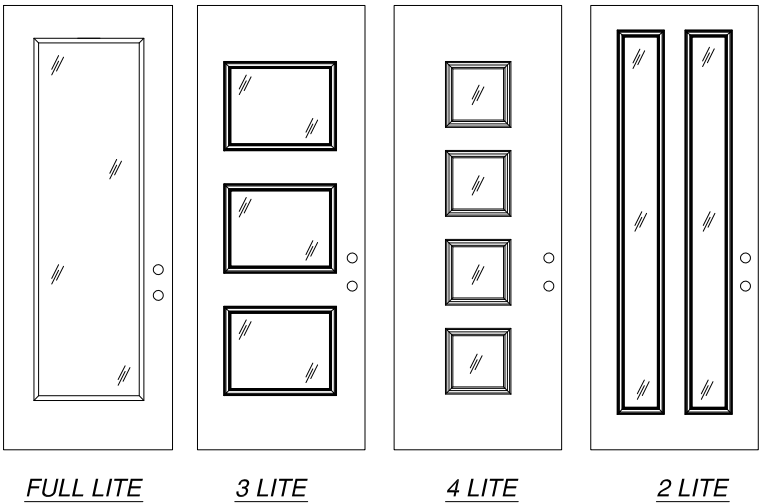


Luis R. Lomas P.E.
FL No.: 62514

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



APPROVED LITE CONFIGURATIONS



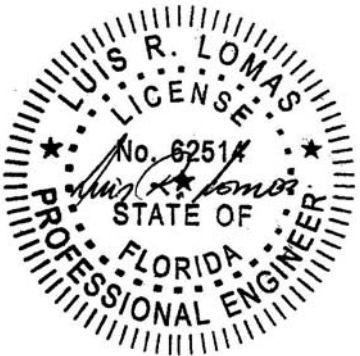
SIGNED: 11/27/2023

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

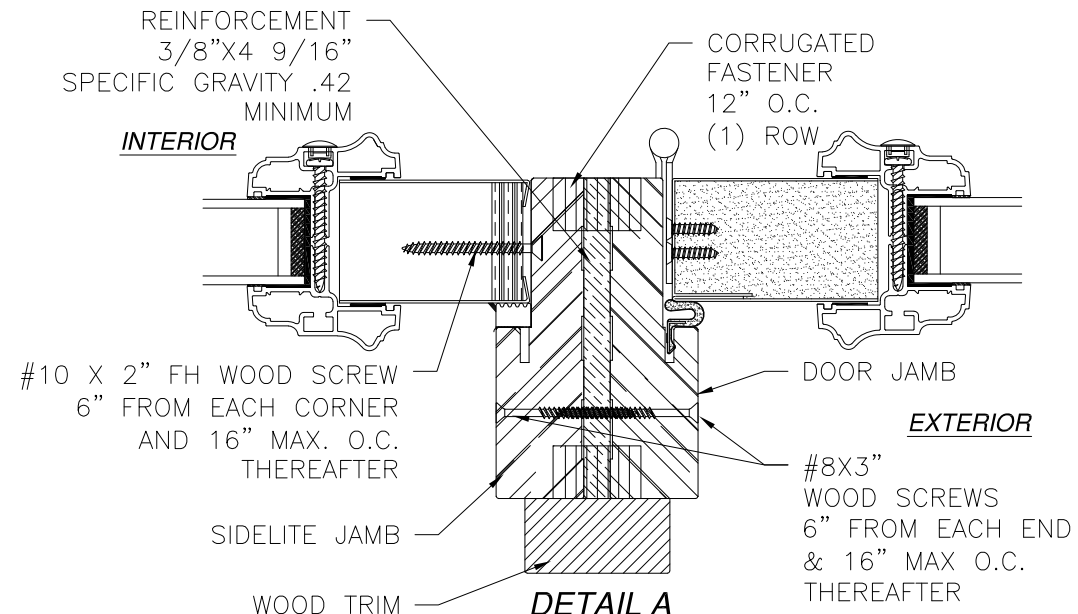
DRAWN: J.L.	DWG NO. 08-02072	REV K
SCALE NTS	DATE 06/19/13	SHEET 12 OF 17

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

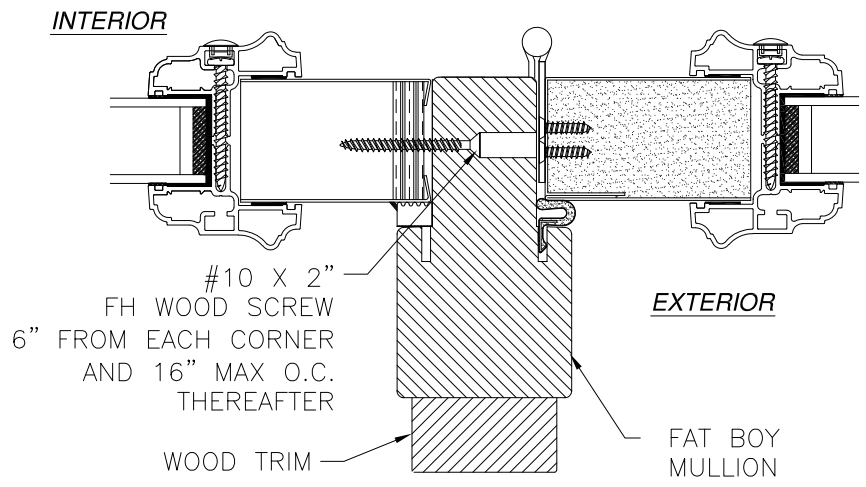


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FL No.: 62514

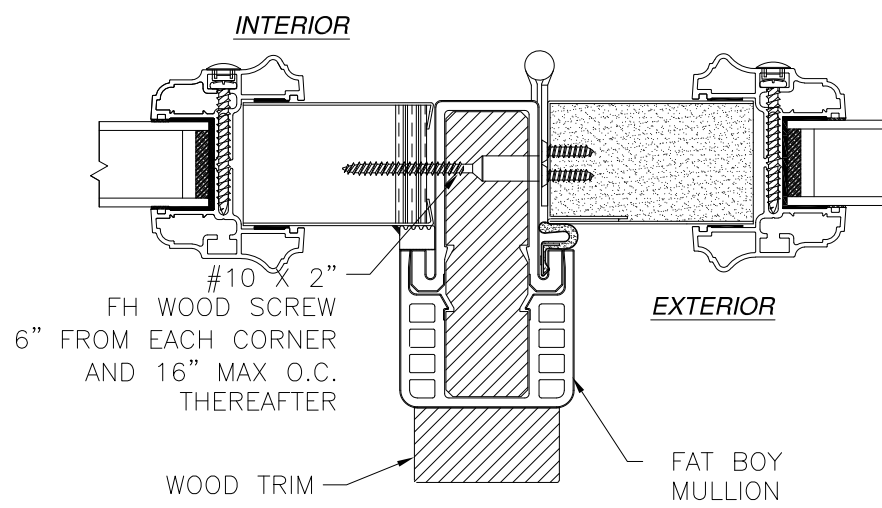
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



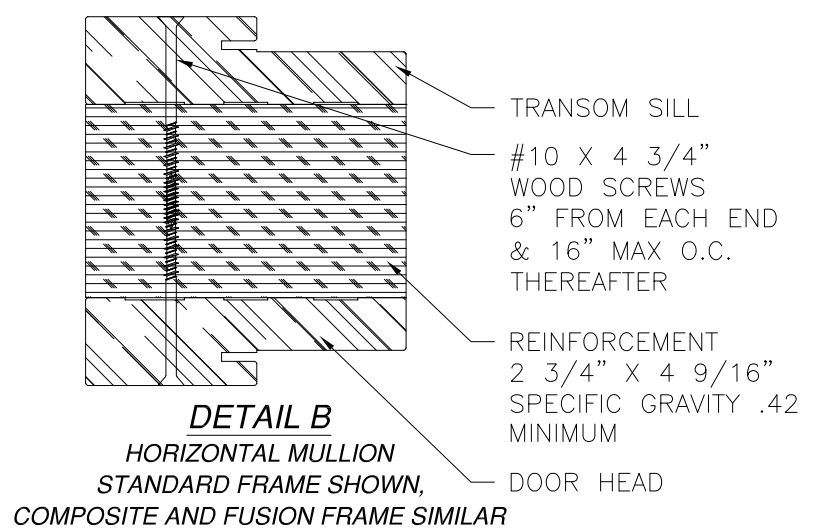
DETAIL A
VERTICAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



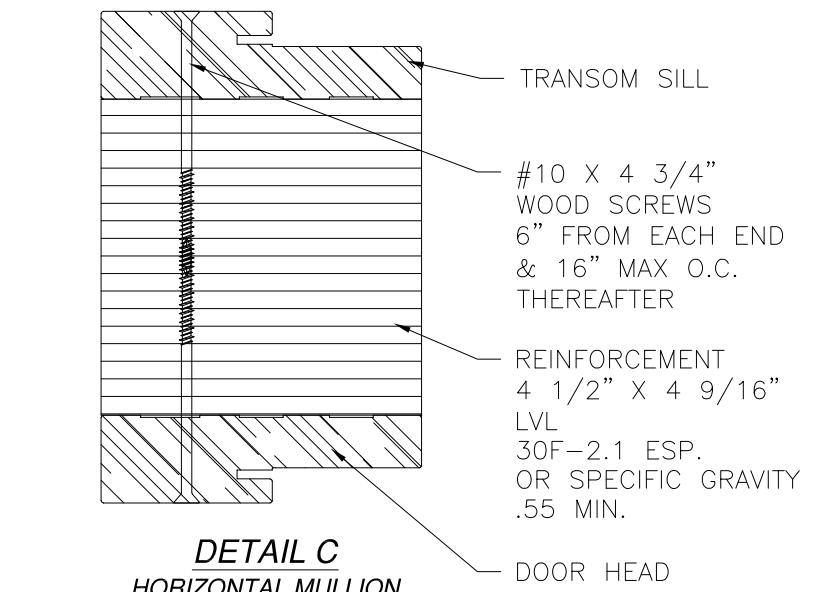
DETAIL A
WITH FAT BOY MULLION



DETAIL A
WITH HYBRID FAT BOY MULLION



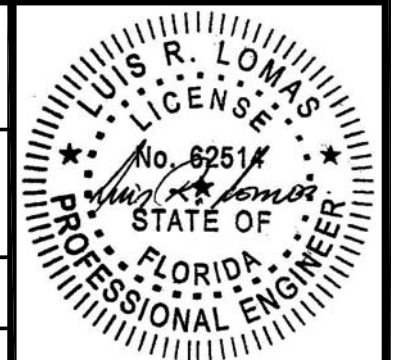
DETAIL B
HORIZONTAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



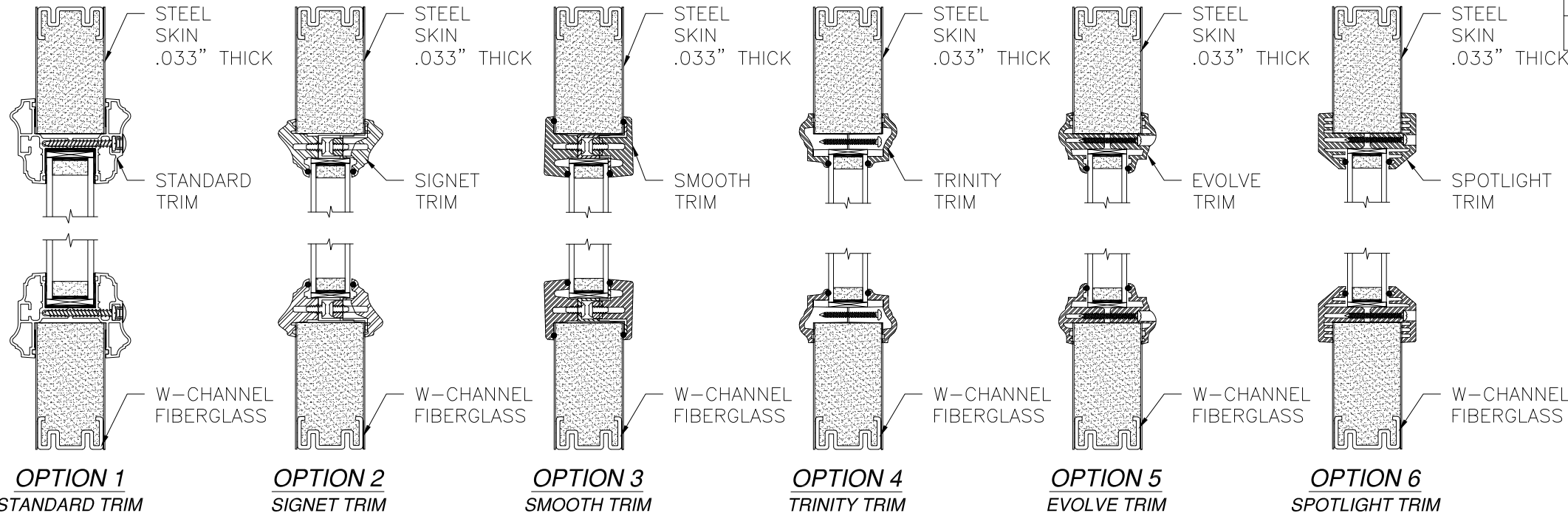
DETAIL C
HORIZONTAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR

SIGNED: 11/27/2023

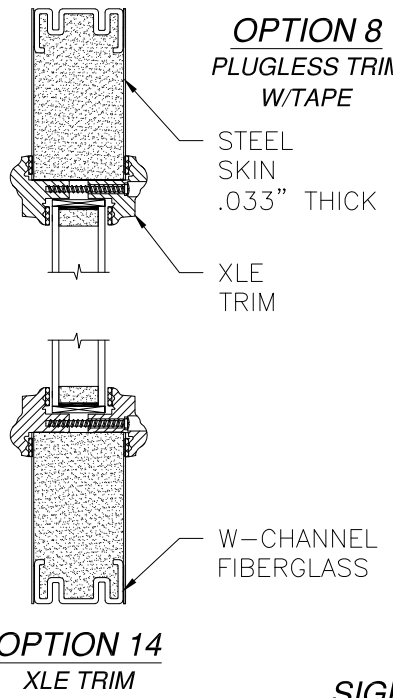
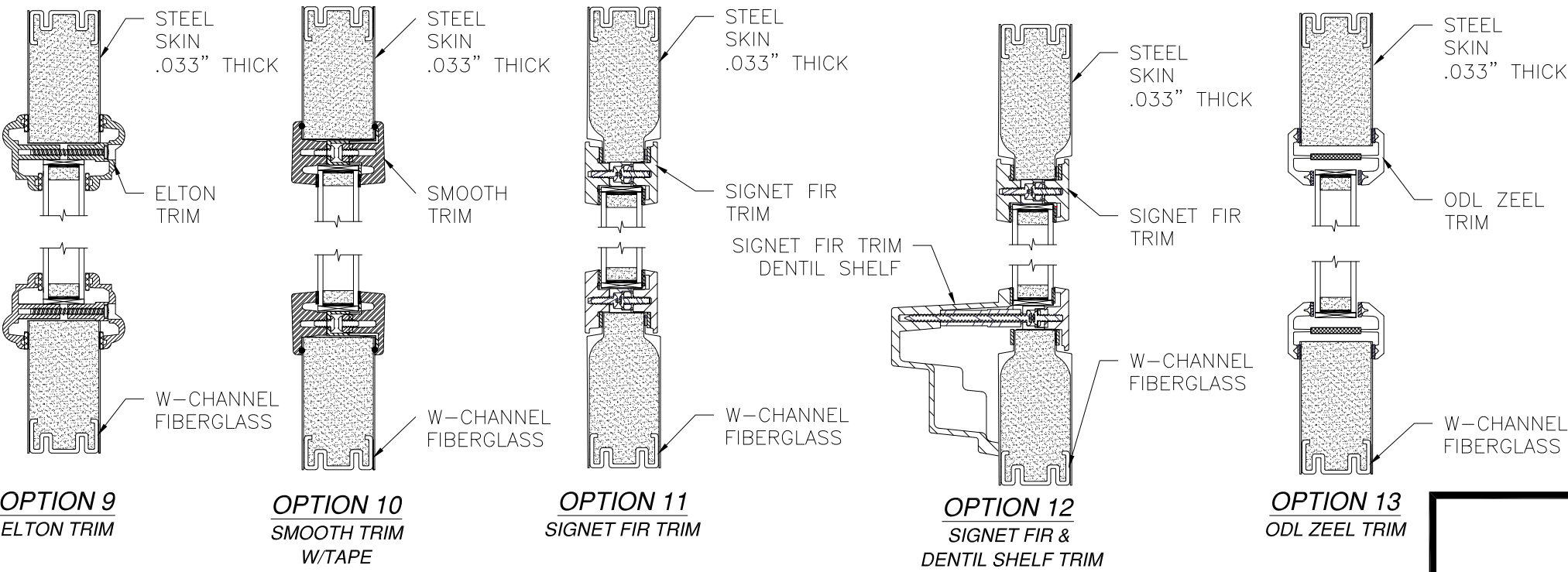
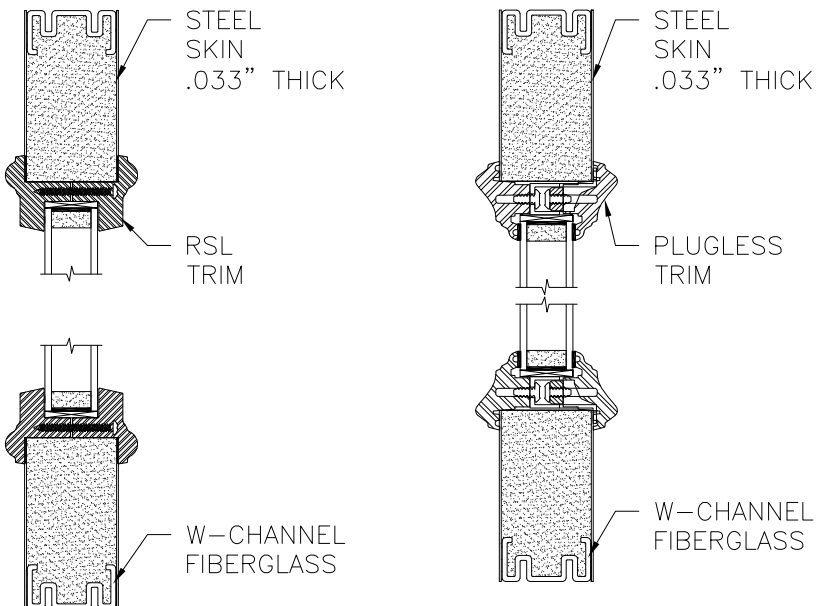
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT MULLION DETAILS		
DRAWN: J.L.	DWG NO. 08-02072	REV K
SCALE NTS	DATE 06/19/13	SHEET 13 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



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



APPROVED SLABS AND TRIMS

SIGNED: 11/27/2023

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

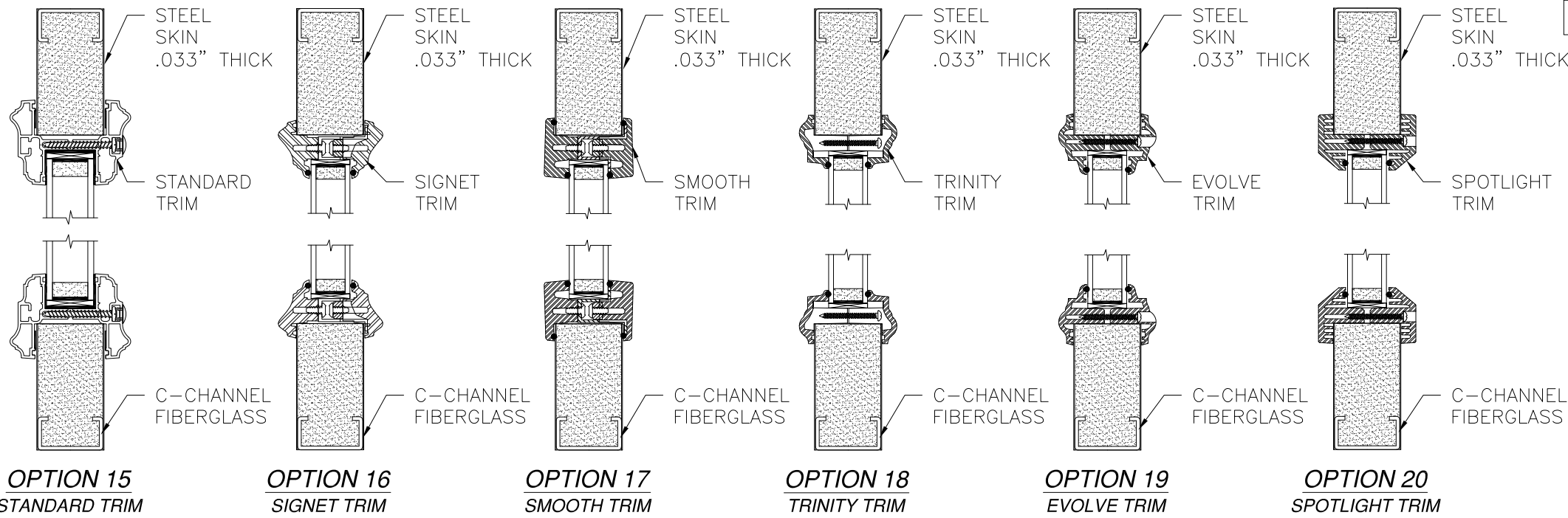
STEEL/FIBERGLASS INSWING GLAZED DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: J.L.	DWG NO. 08-02072	REV K
SCALE NTS	DATE 06/19/13	SHEET 14 OF 17

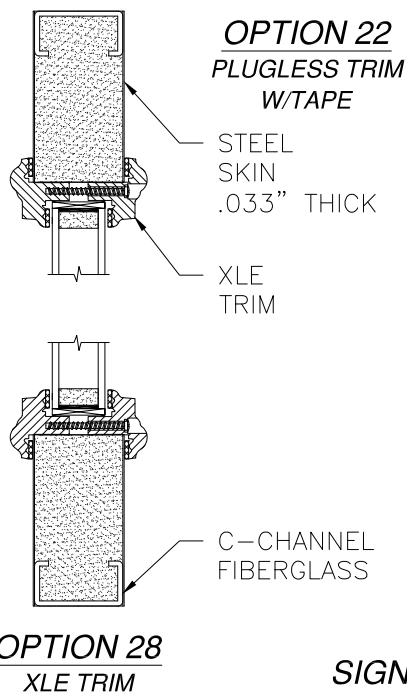
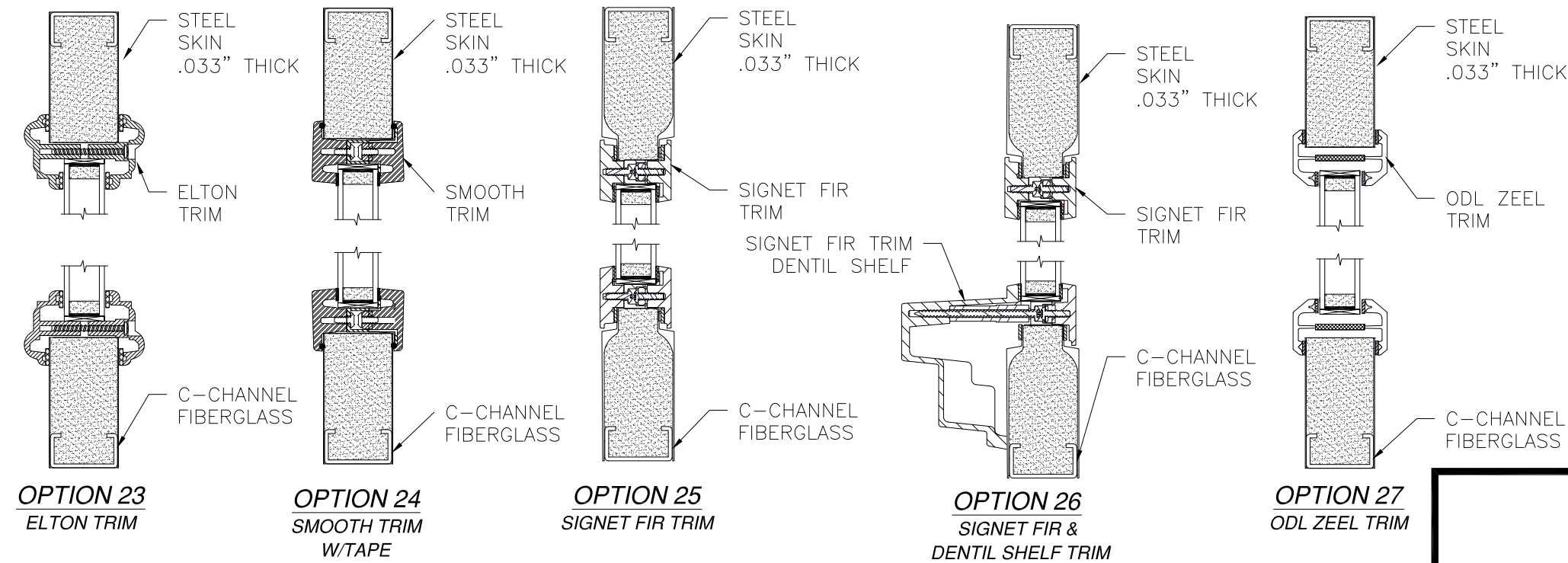
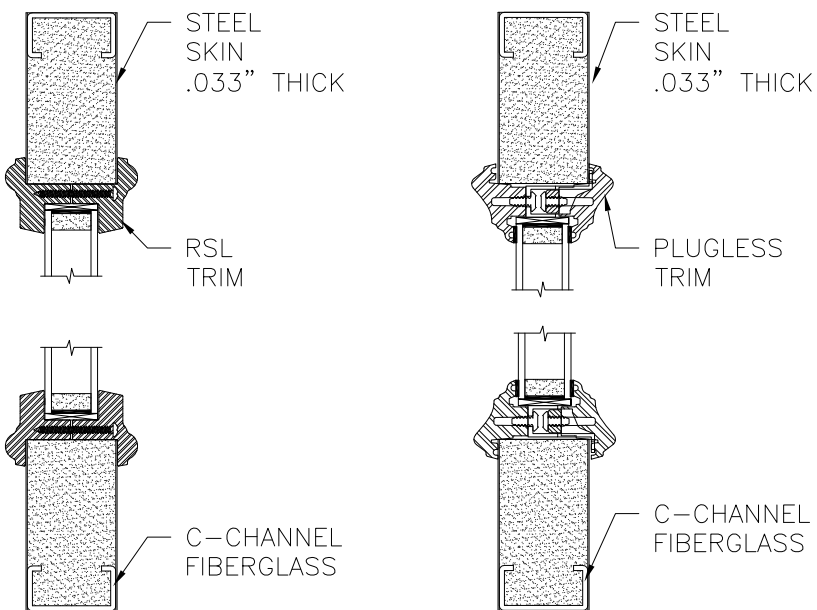
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	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
K

SCALE
NTS

DATE
06/19/13

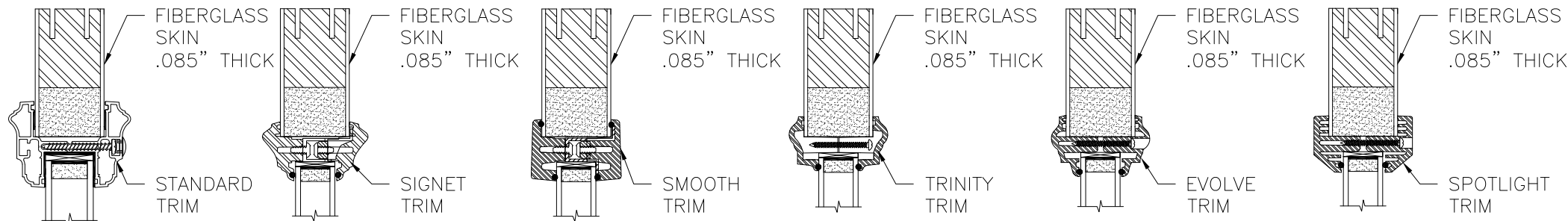
SHEET
15 OF 17

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

SIGNED: 11/27/2023



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



OPTION 29
STANDARD TRIM

OPTION 30
SIGNET TRIM

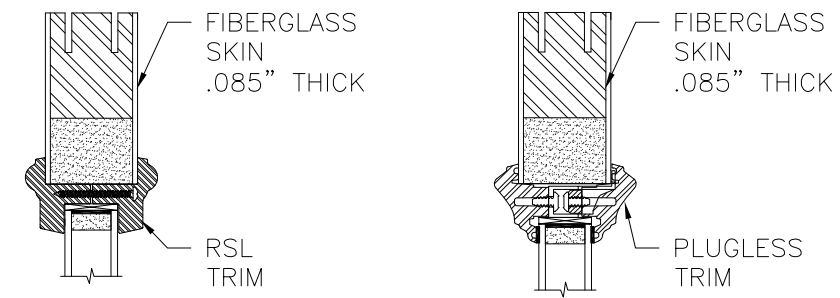
OPTION 31
SMOOTH TRIM

OPTION 32
TRINITY TRIM

OPTION 33
EVOLVE TRIM

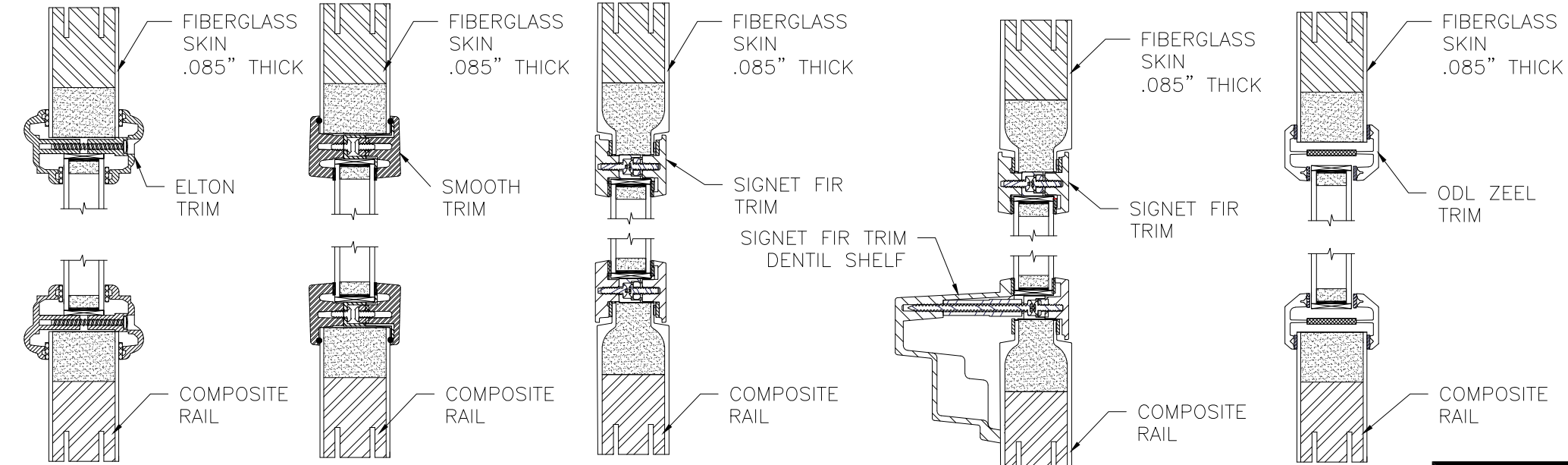
OPTION 34
SPOTLIGHT TRIM

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



OPTION 35
RSL TRIM

OPTION 36
PLUGLESS TRIM
W/TAPE



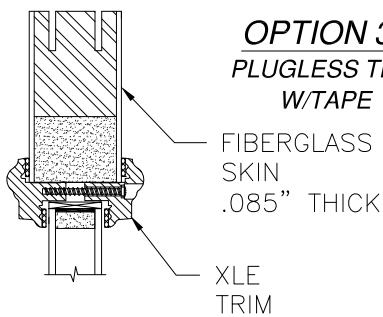
OPTION 37
ELTON TRIM

OPTION 38
SMOOTH TRIM
W/TAPE

OPTION 39
SIGNET FIR TRIM

OPTION 40
SIGNET FIR &
DENTIL SHELF TRIM

OPTION 41
ODL ZEEL TRIM



OPTION 42
XLE TRIM

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
K

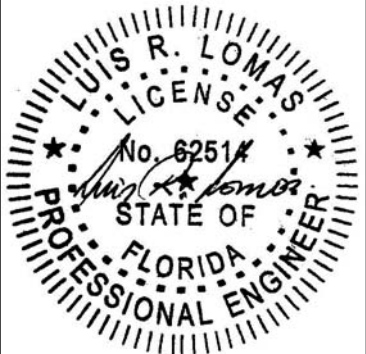
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DATE
06/19/13

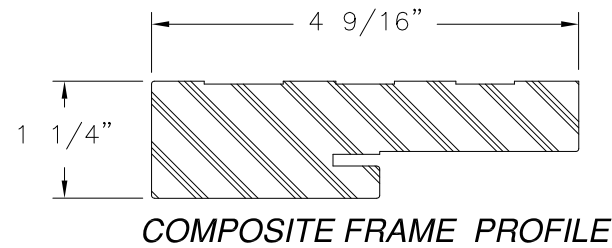
SHEET
16 OF 17

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

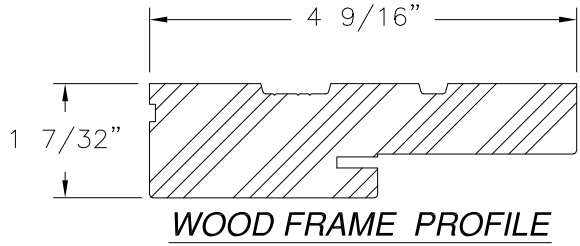
SIGNED: 11/27/2023



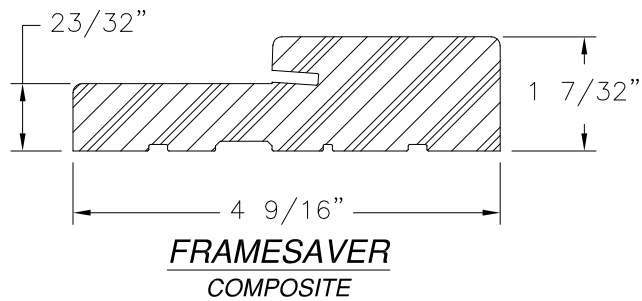
Luis R. Lomas P.E.
FL No.: 62514



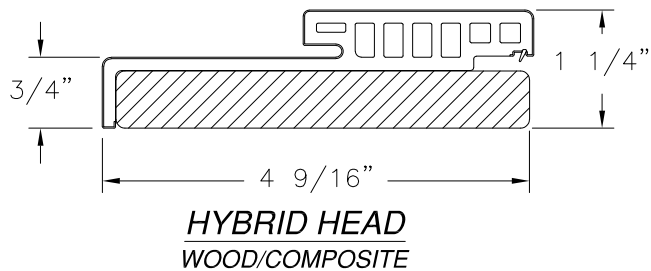
COMPOSITE FRAME PROFILE



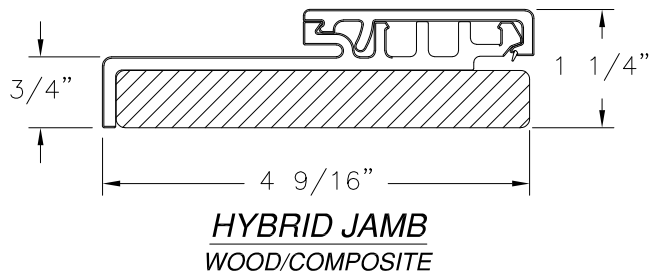
WOOD FRAME PROFILE



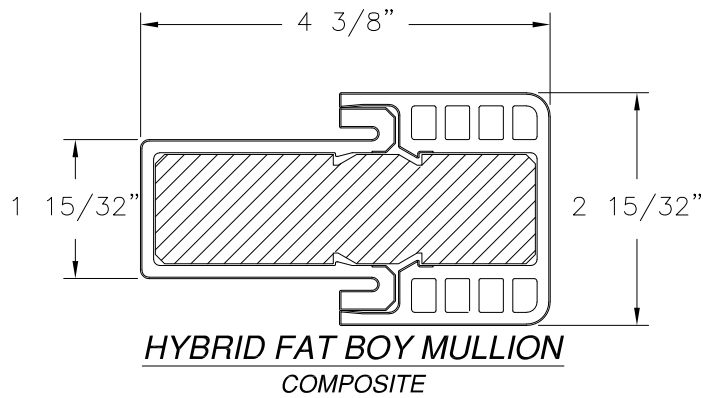
FRAMESAVER
COMPOSITE



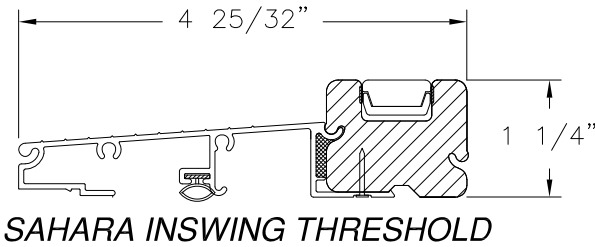
HYBRID HEAD
WOOD/COMPOSITE



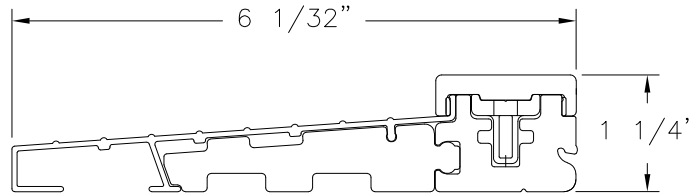
HYBRID JAMB
WOOD/COMPOSITE



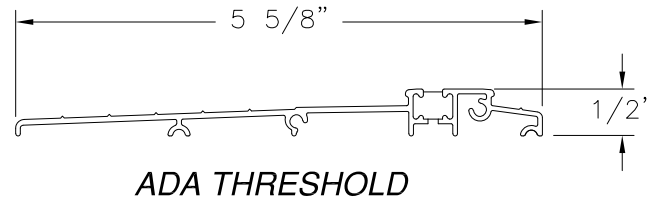
HYBRID FAT BOY MULLION
COMPOSITE



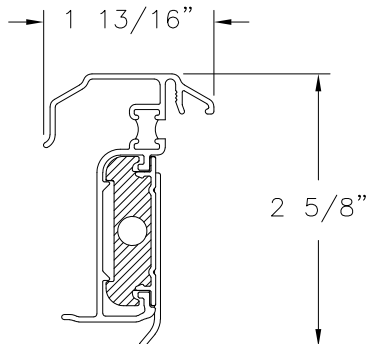
SAHARA INSWING THRESHOLD



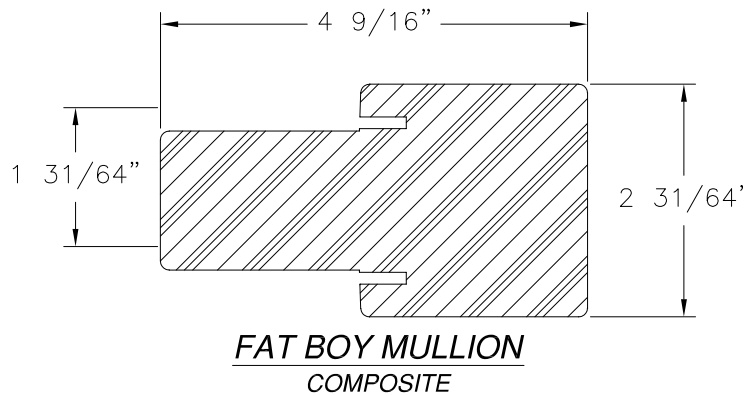
STANDARD INSWING THRESHOLD



ADA THRESHOLD

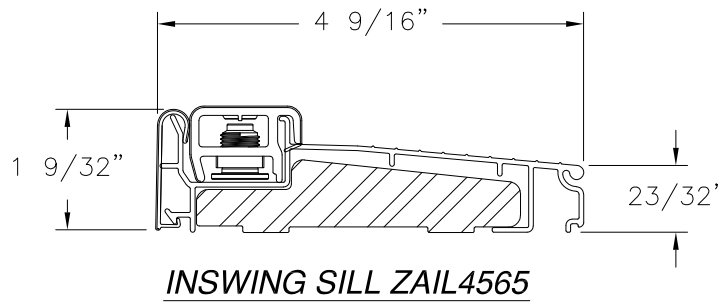


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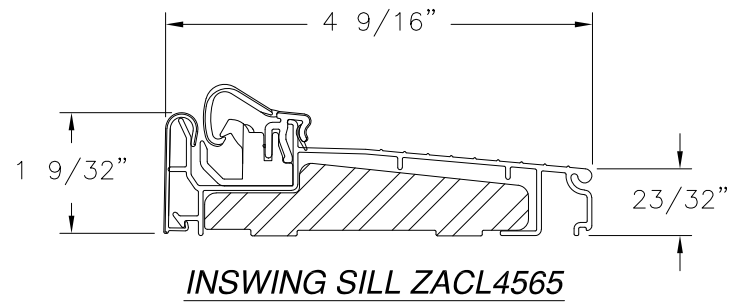


FAT BOY MULLION
COMPOSITE

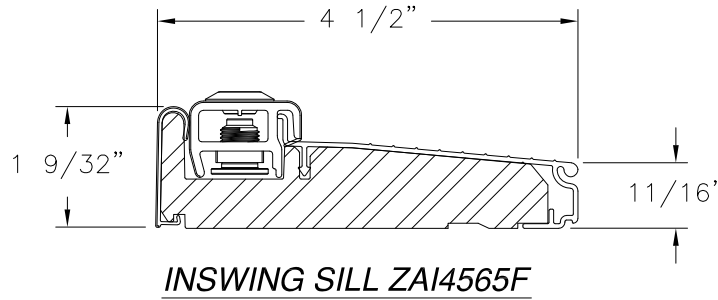
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISE TRIMS AND HARDWARE SCHEDULE	11/06/2023	R.L.



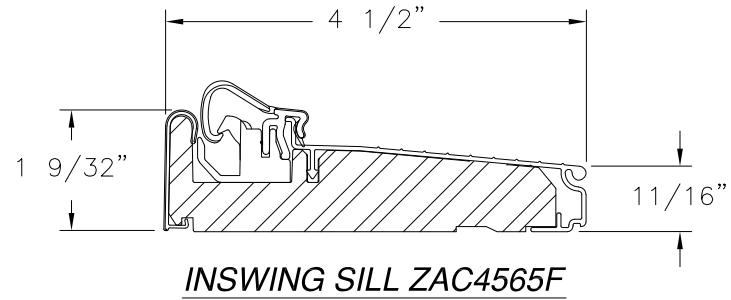
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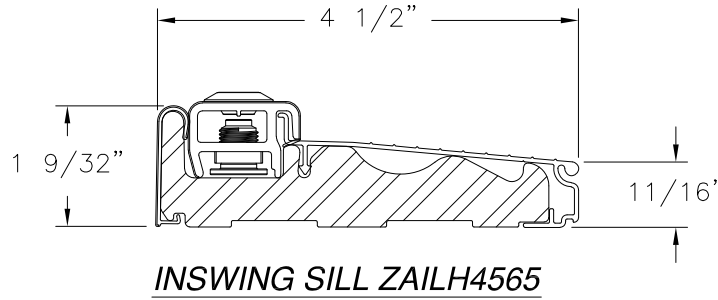
INSWING SILL ZACL4565



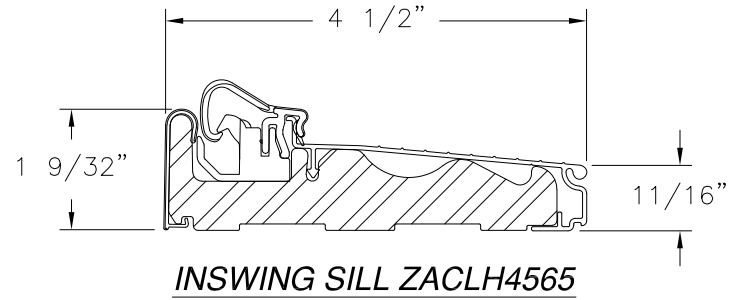
INSWING SILL ZAI4565F



INSWING SILL ZAC4565F



INSWING SILL ZAILH4565



INSWING SILL ZACLH4565

SIGNED: 11/27/2023

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 K
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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