

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	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) AND 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.

SIGNED: 09/09/2026

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

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
NOTES

DRAWN:
J.L.

DWG NO.
08-02067

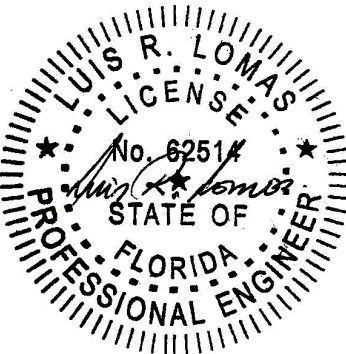
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SCALE NTS

DATE 06/18/13

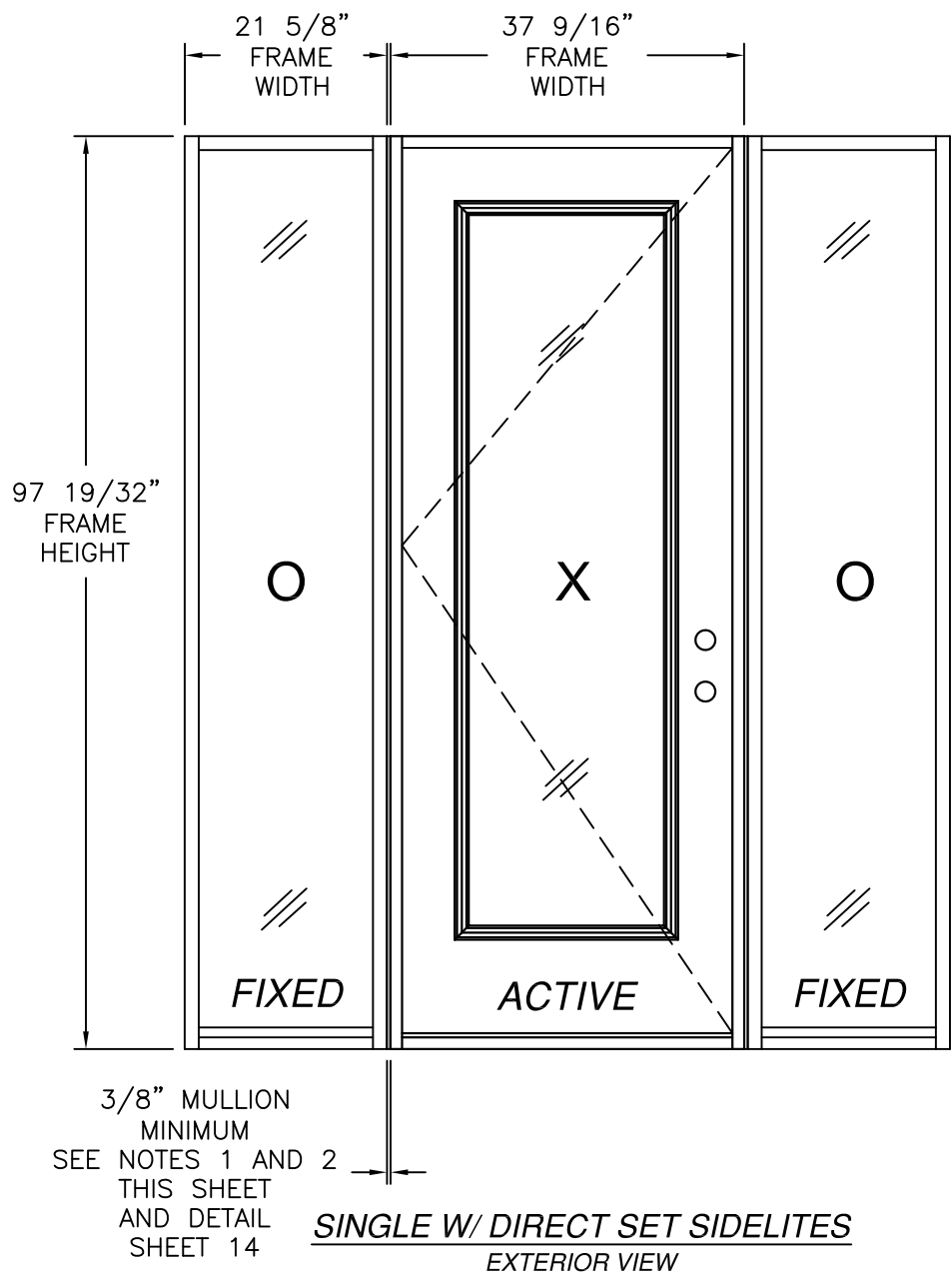
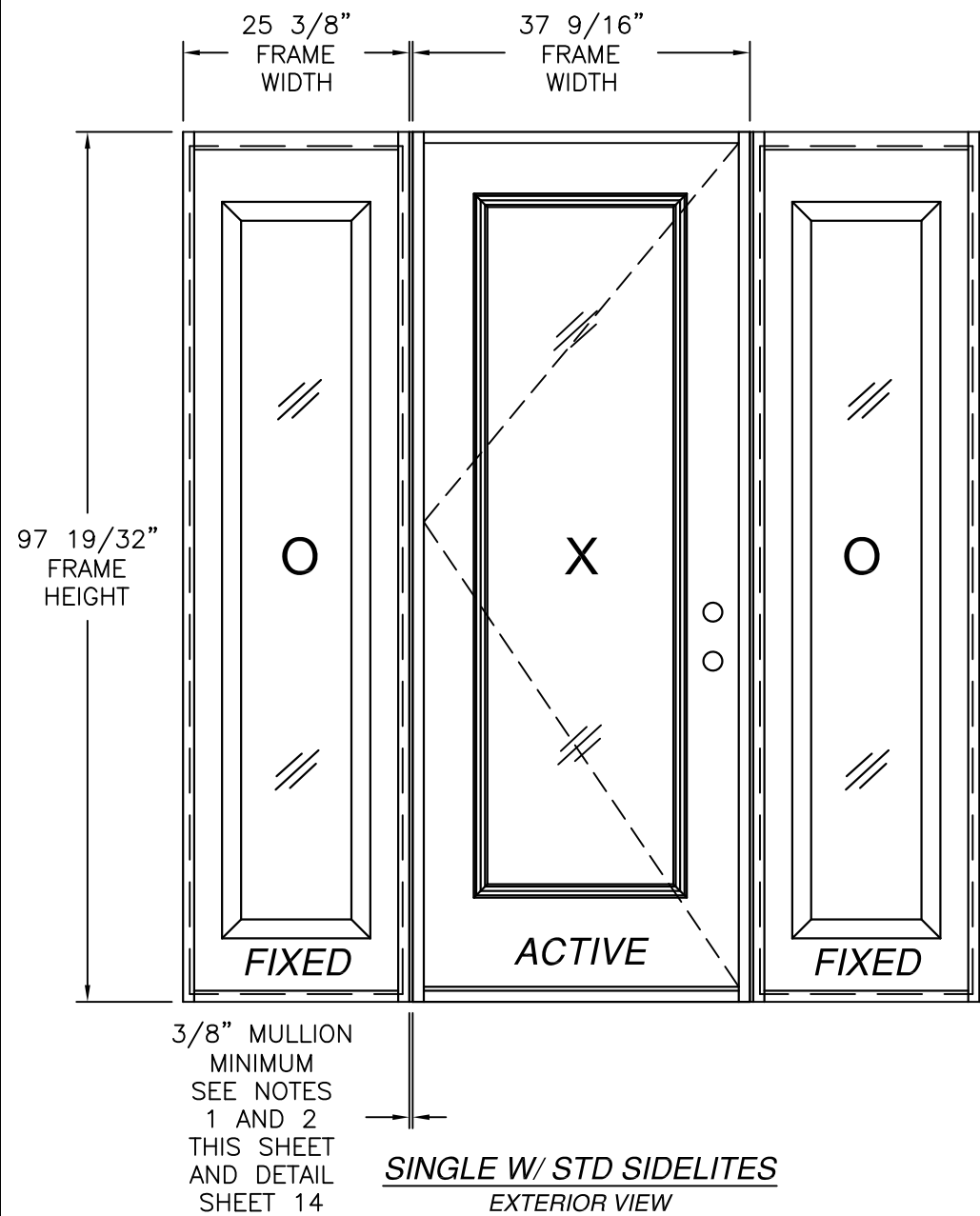
SHEET 1 OF 15

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

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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
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	

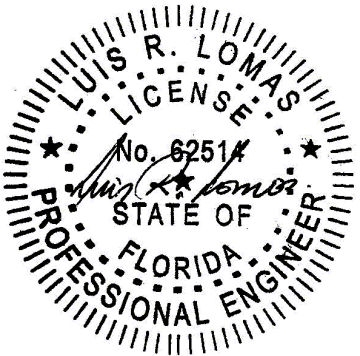
WITH FIBERGLASS SLAB AND PANOLOCK MULTI-POINT

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

- NOTES:
1. MAXIMUM VERTICAL MULLION BUILD UP 7".
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.

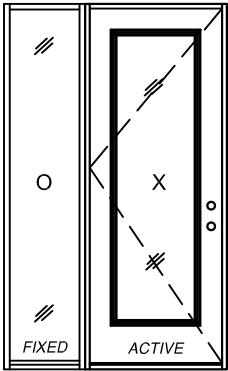
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/SIDELITES NON-IMPACT ELEVATIONS		
DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 2 OF 15
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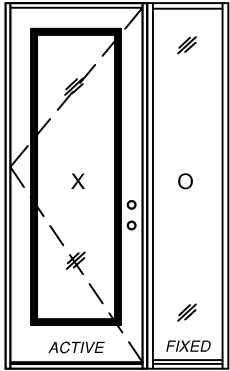


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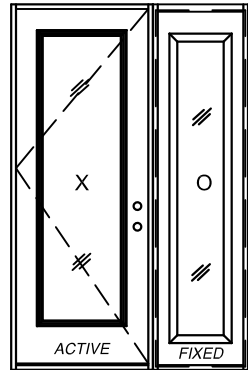
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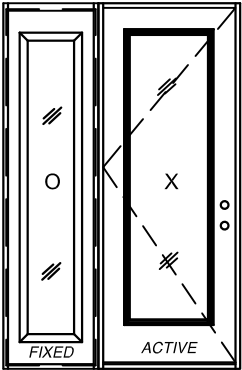
SINGLE W/ DIRECT SET SIDELITE
EXTERIOR VIEW



SINGLE W/ DIRECT SET SIDELITE
EXTERIOR VIEW



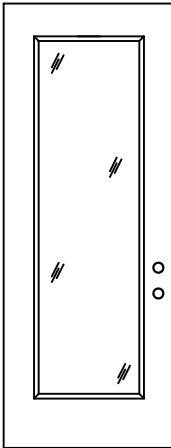
SINGLE W/ STD SIDELITE
EXTERIOR VIEW



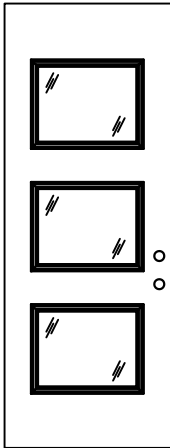
SINGLE W/ STD SIDELITE
EXTERIOR VIEW

D.L.O. NOTES:
1. DOOR D.L.O.: 20 3/8" X 78 1/2"
2. STD SIDELITE D.L.O.: 12 3/8" X 78 3/8"
3. DIRECT SET SIDELITE D.L.O.: 18 5/8" X 93 3/4"

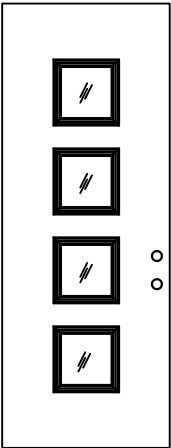
APPROVED LITE CONFIGURATIONS



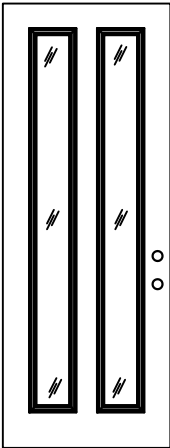
FULL LITE



3 LITE



4 LITE



2 LITE

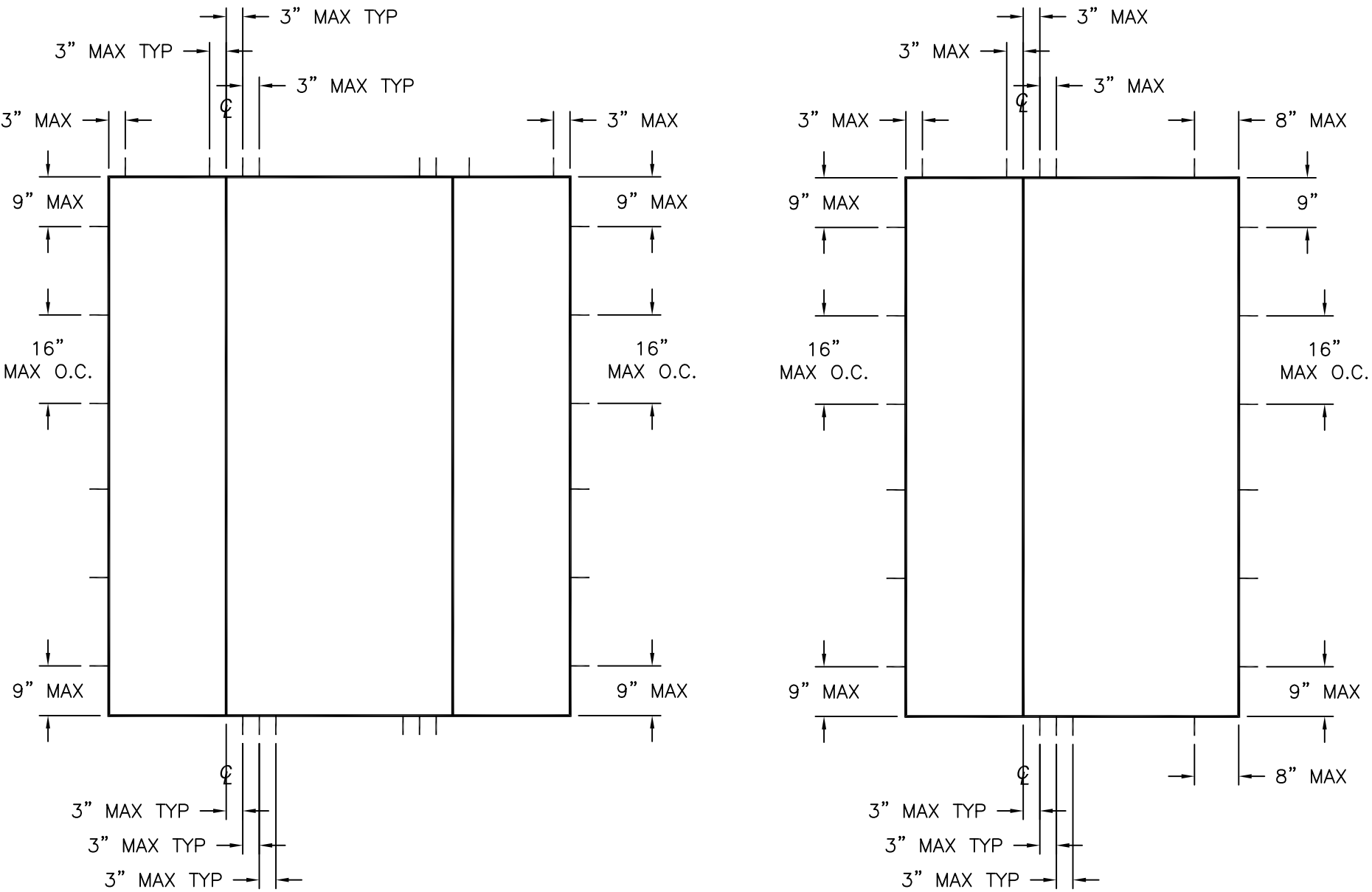
LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 11.5 FT²

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STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/SIDELITES NON-IMPACT APPROVED CONFIGURATIONS		
DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 3 OF 15
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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)

SINGLE W/SIDELITES

SINGLE W/SIDELITE

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 NON-IMPACT
ANCHORING LAYOUTS

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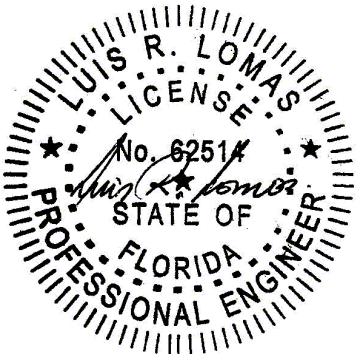
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SHEET 4 OF 15

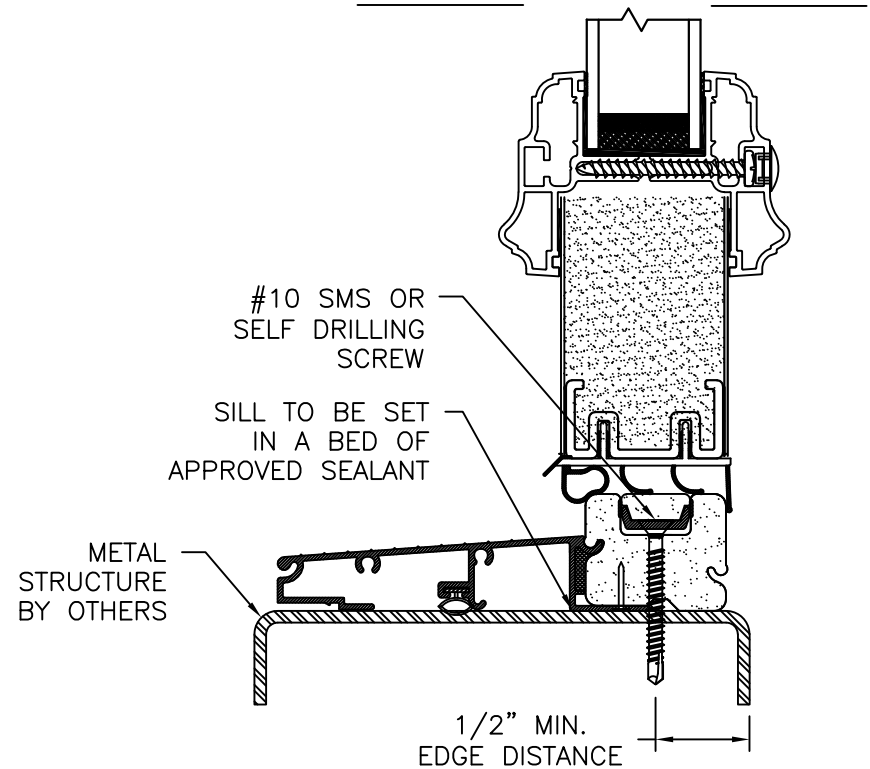
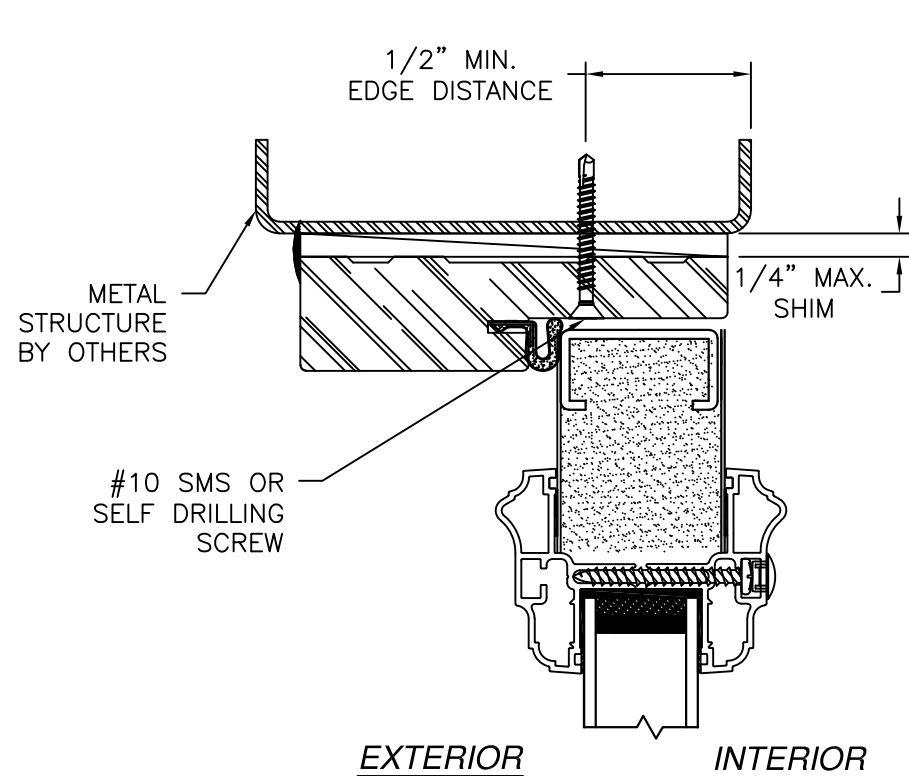
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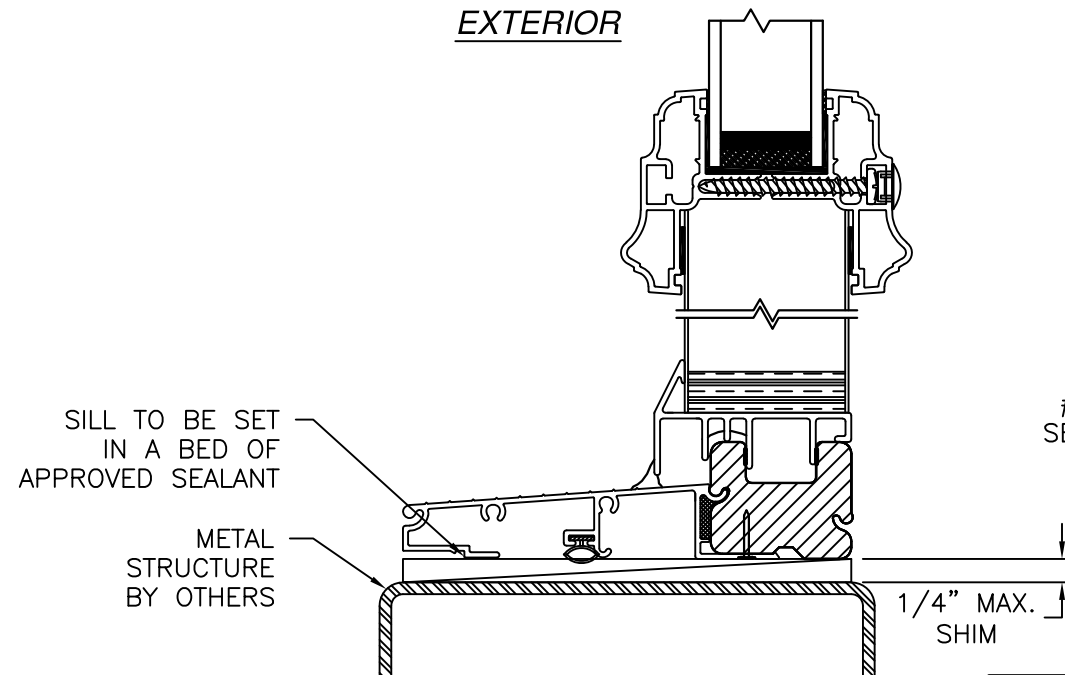
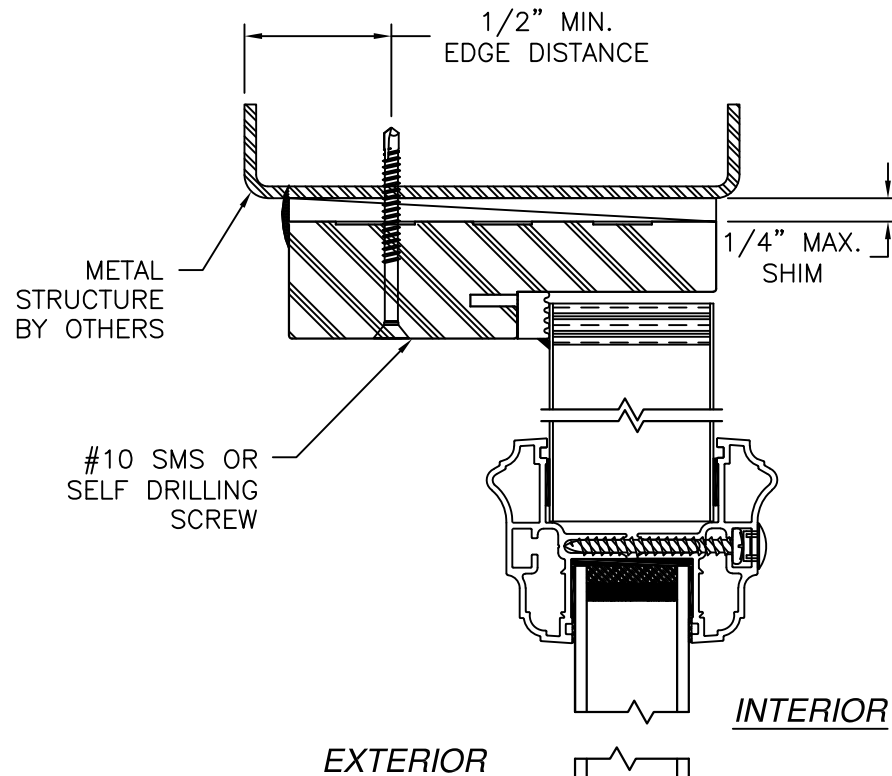


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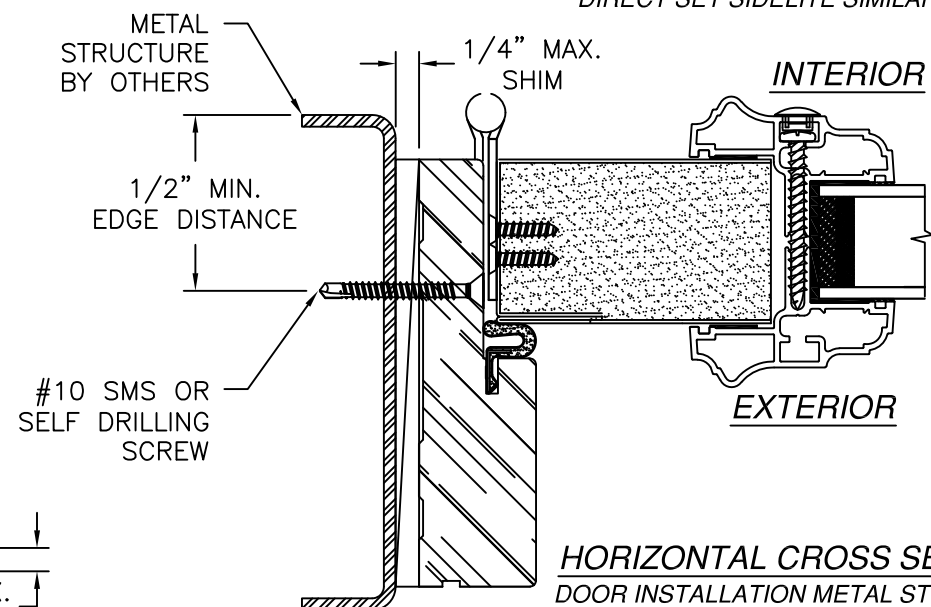
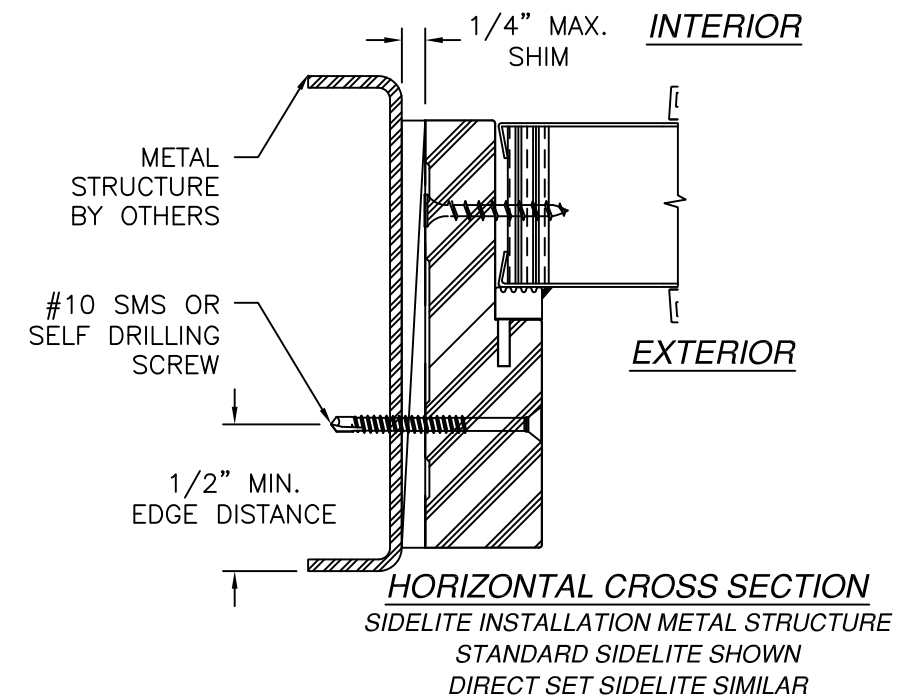
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VERTICAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE



VERTICAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

SIGNED: 09/09/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS

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08-02067

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K

SCALE
NTS

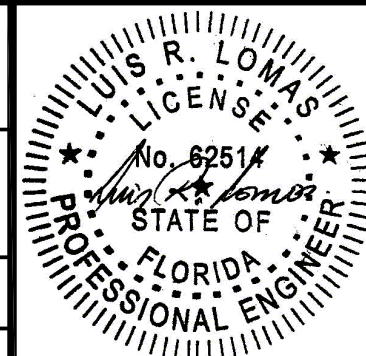
DATE
06/18/13

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6 OF 15

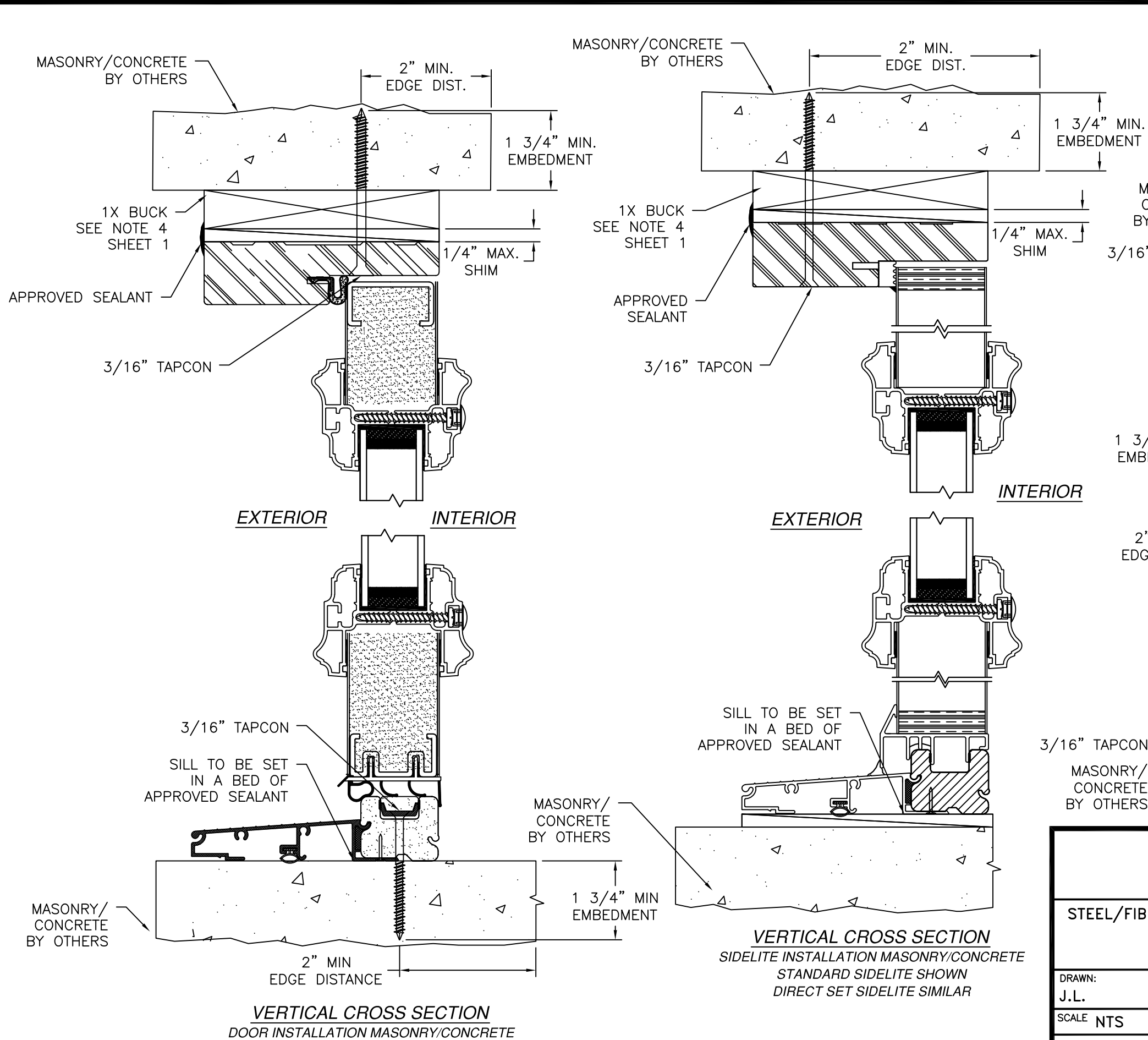
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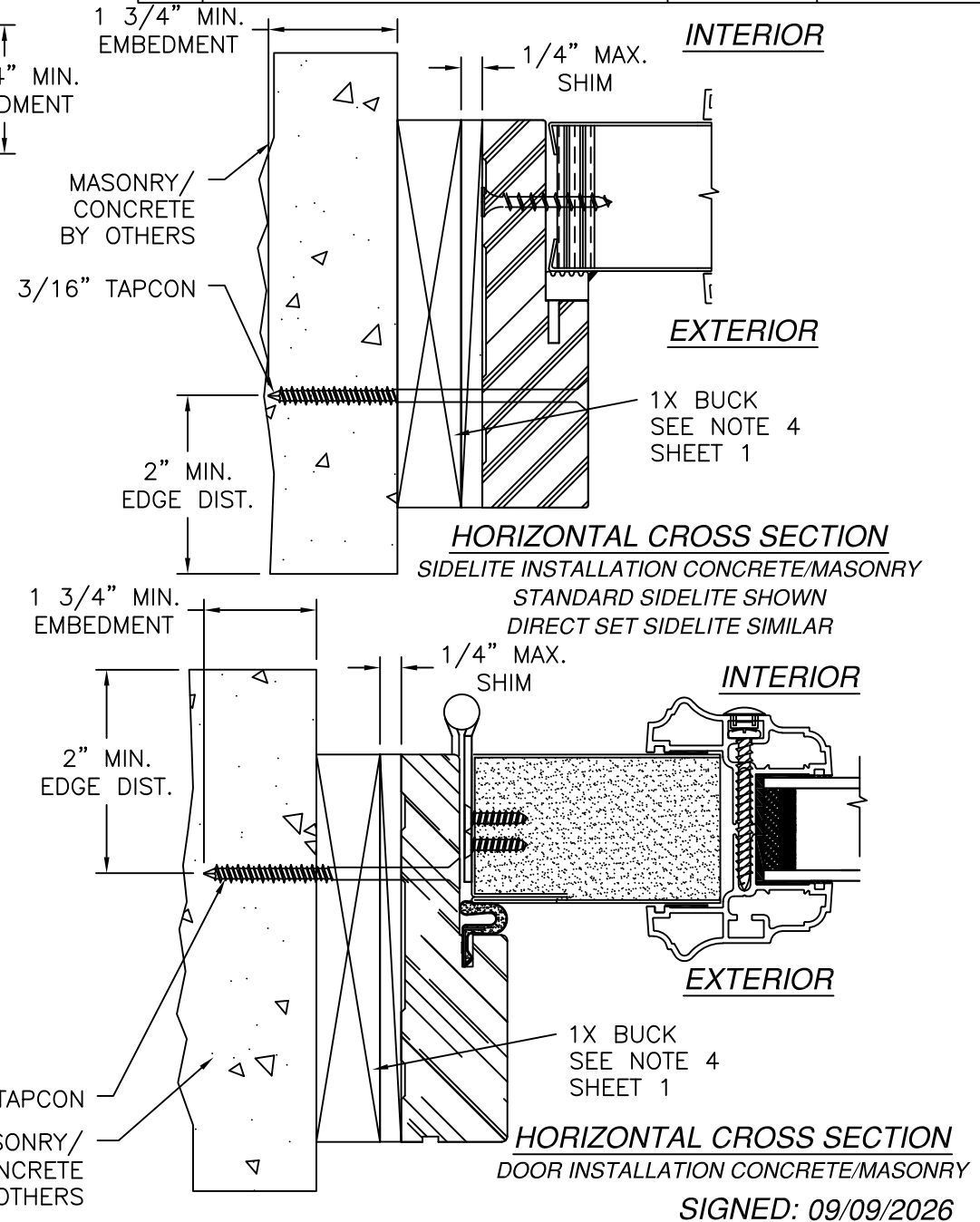
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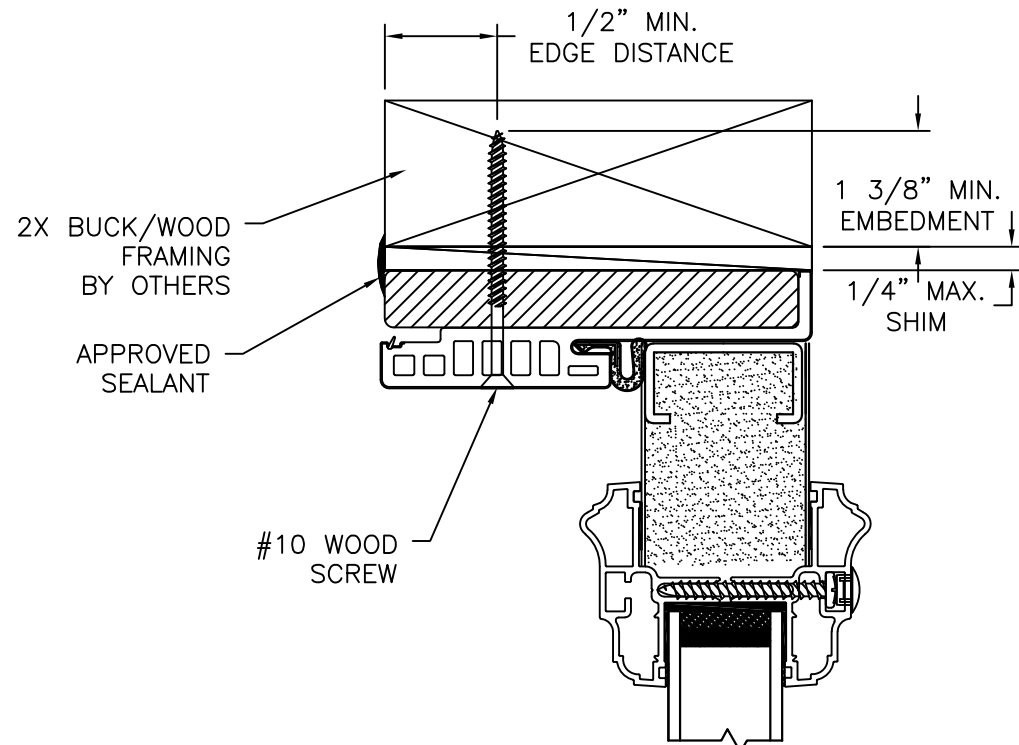
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS

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SCALE NTS	DATE 06/18/13	SHEET 7 OF 15

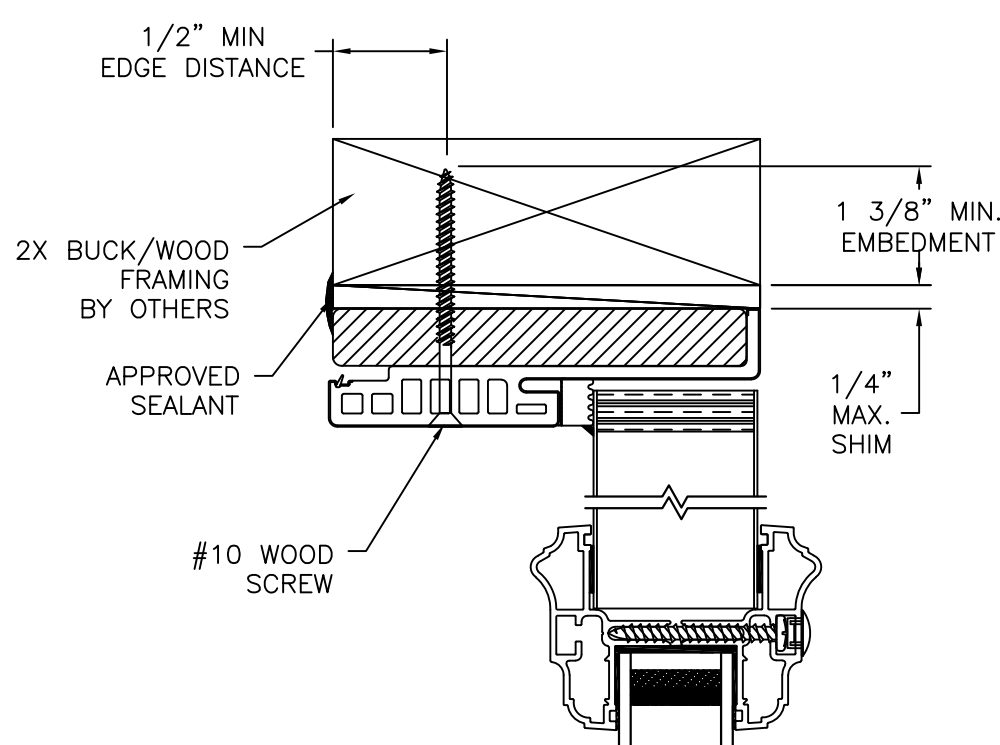
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PROFESSIONAL ENGINEER

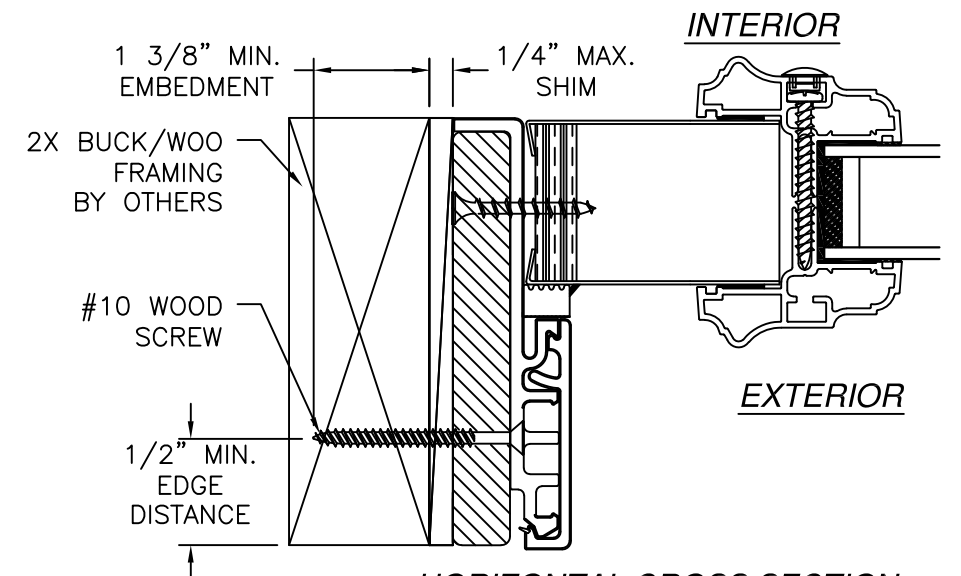
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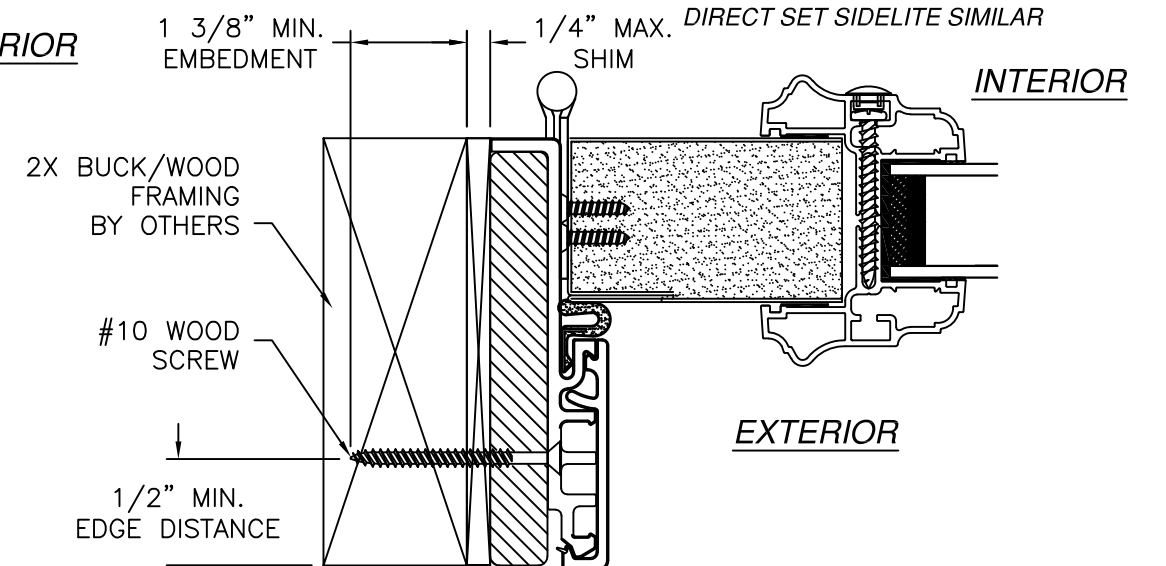
EXTERIOR INTERIOR



EXTERIOR INTERIOR

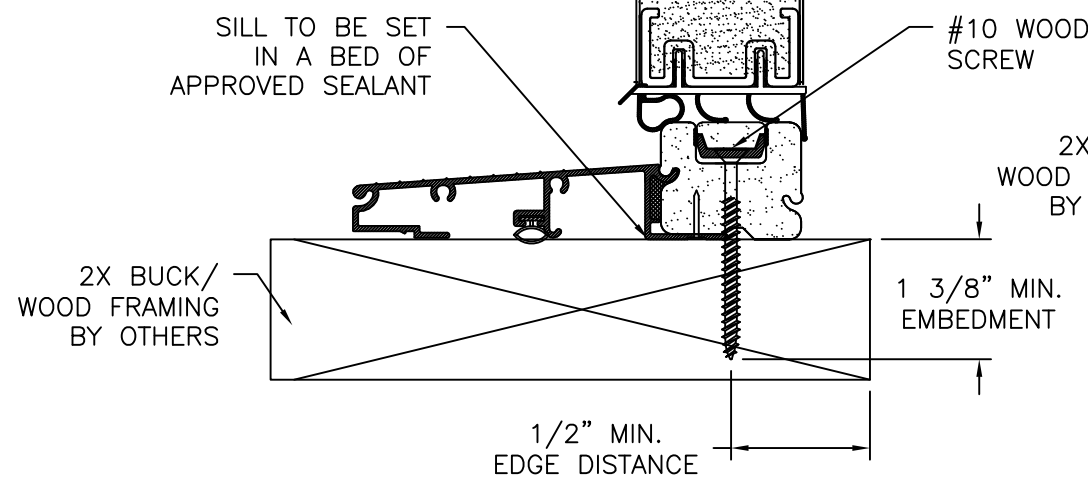


HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR

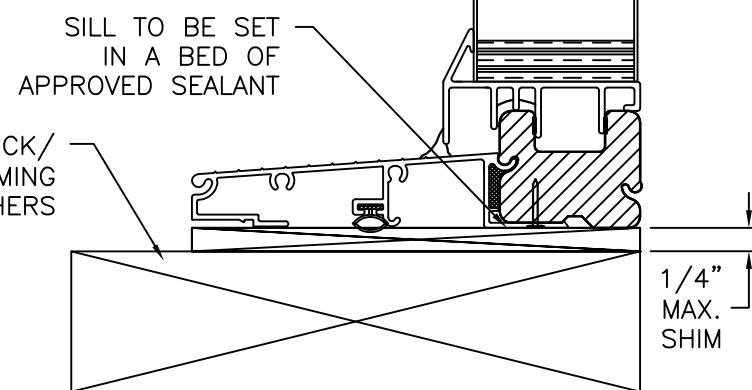


HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

SIGNED: 09/09/2026



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



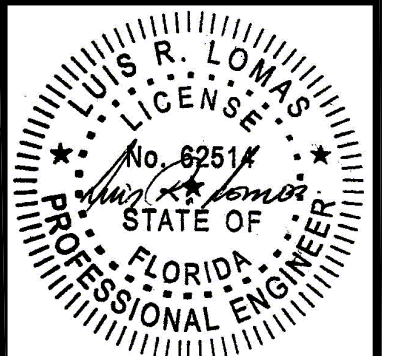
VERTICAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR

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

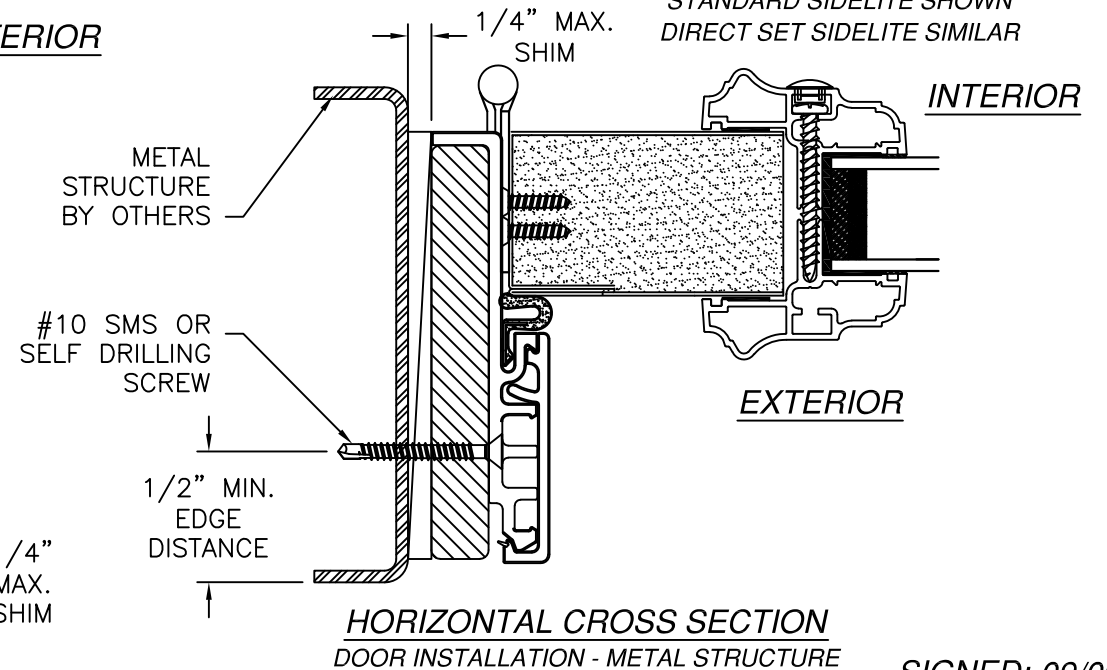
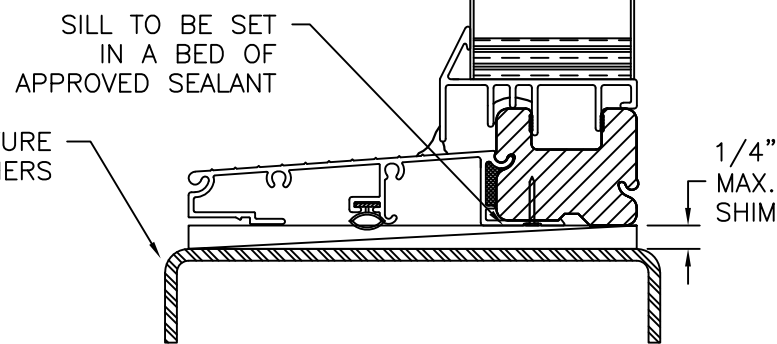
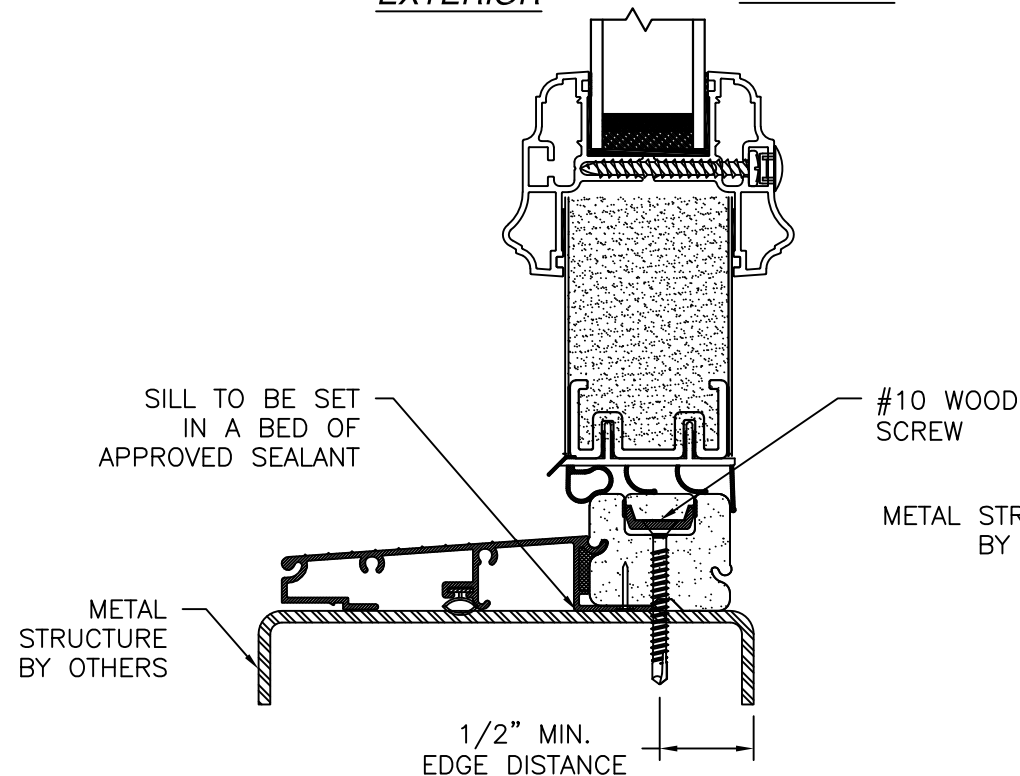
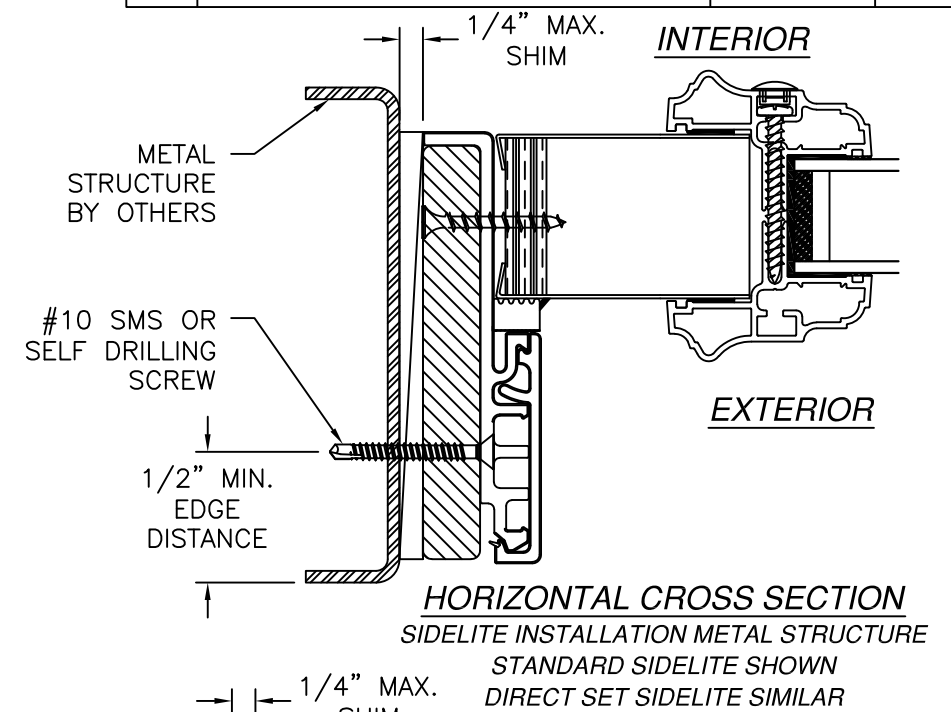
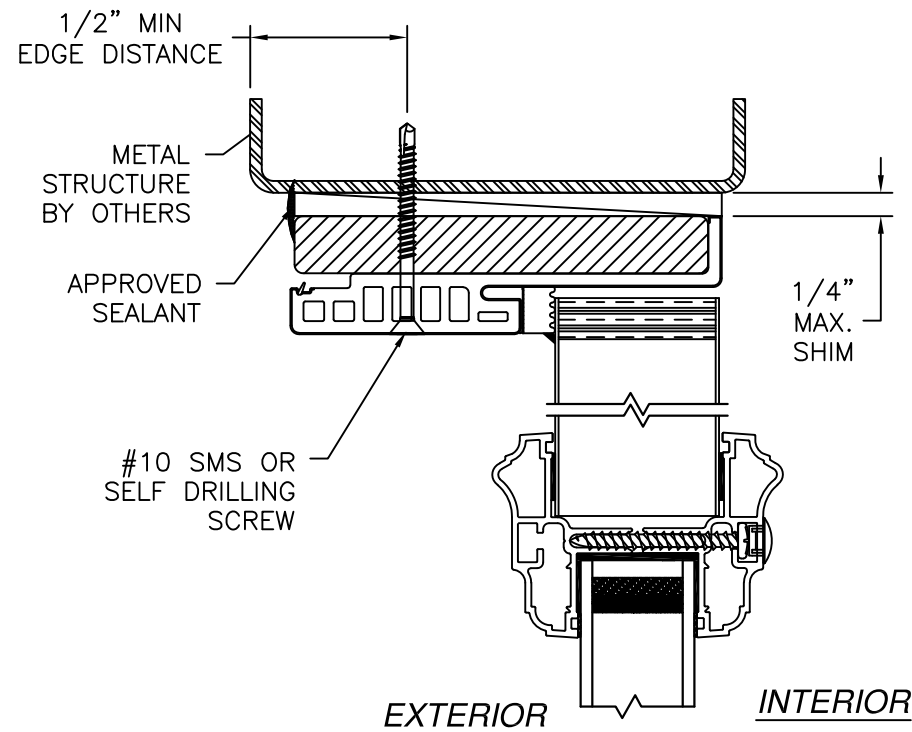
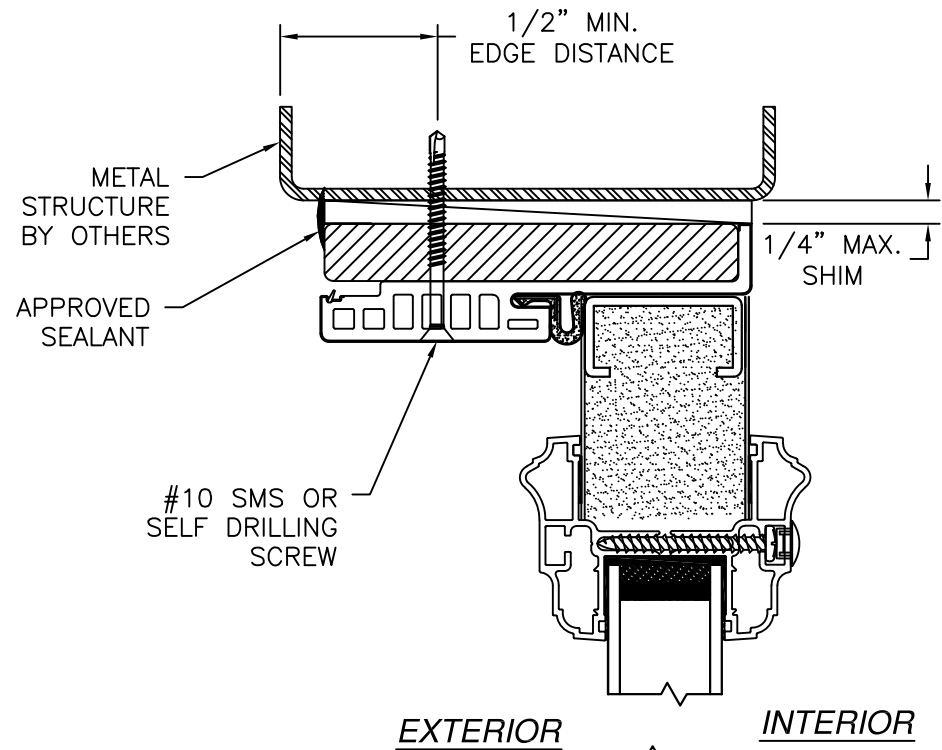
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STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/SIDELITES NON-IMPACT INSTALLATION DETAILS W/FUSION FRAME		
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VERTICAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

VERTICAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCKWOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR

PROVIA, LLC.

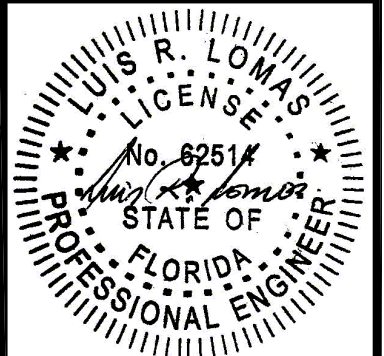
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SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN: J.L.	DWG NO. 08-02067	REV K
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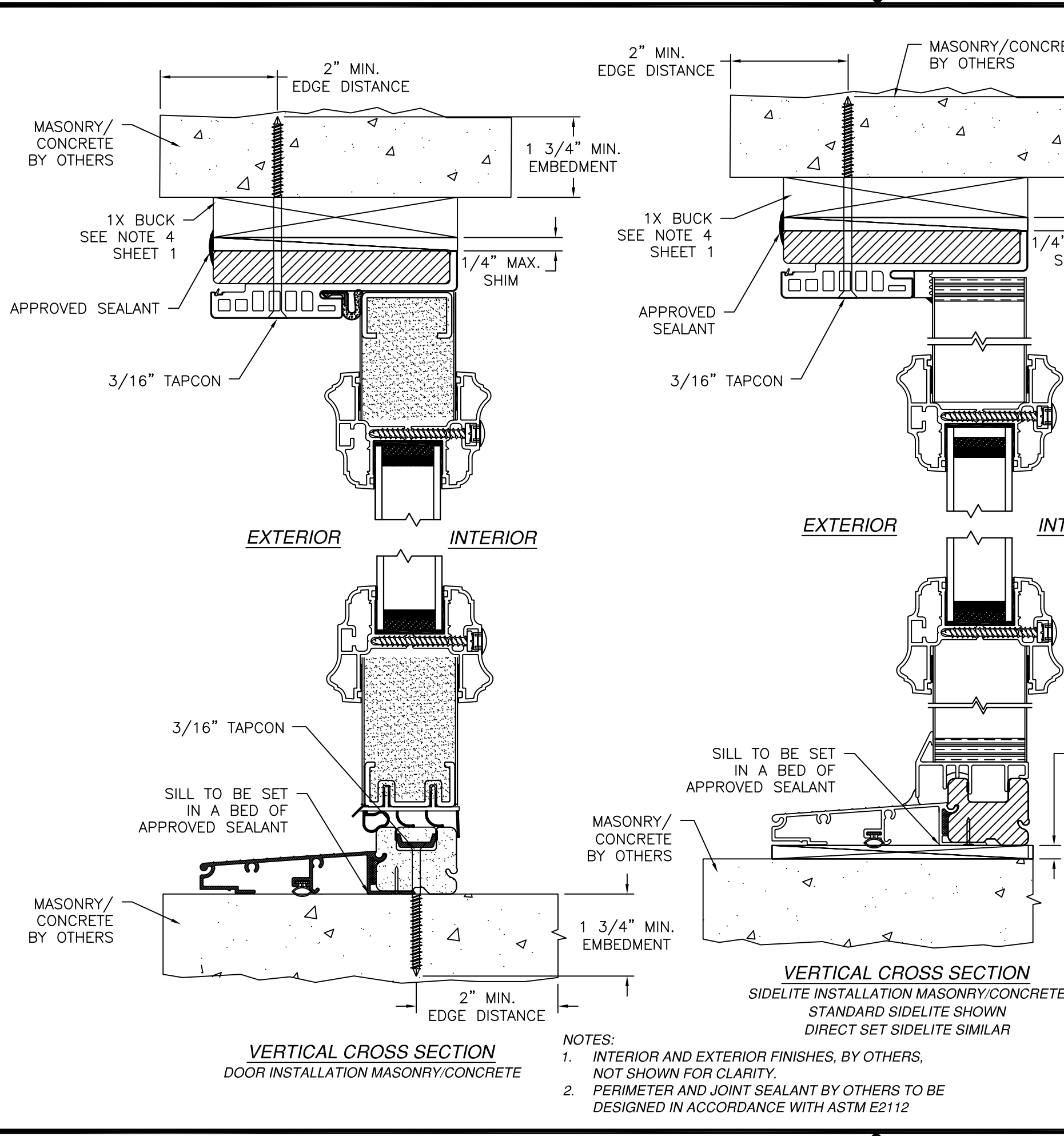
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1 3/4" MIN. EMBEDMENT

1/4" MAX. SHIM

MASONRY/CONCRETE BY OTHERS

3/16" TAPCON

2" MIN. EDGE DIST.

EXTERIOR INTERIOR

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

1 3/4" MIN. EMBEDMENT

1/4" MAX. SHIM

MASONRY/CONCRETE BY OTHERS

3/16" TAPCON

2" MIN. EDGE DIST.

1X BUCK SEE NOTE 4 SHEET 1

EXTERIOR INTERIOR

HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY

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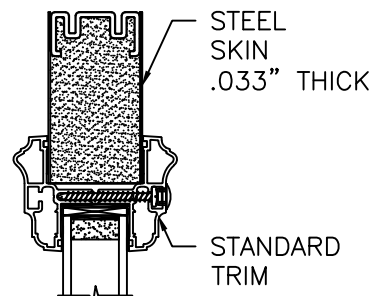
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 10 OF 15

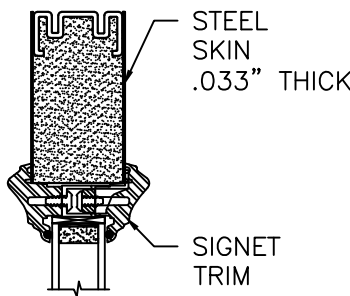
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

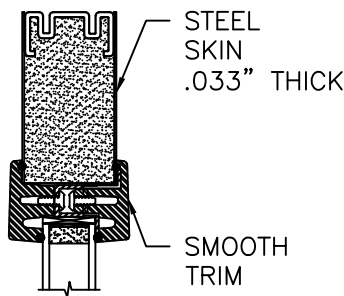
Luis R. Lomas P.E.
FL No.: 62514



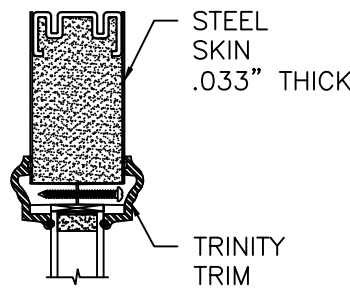
OPTION 1
STANDARD TRIM



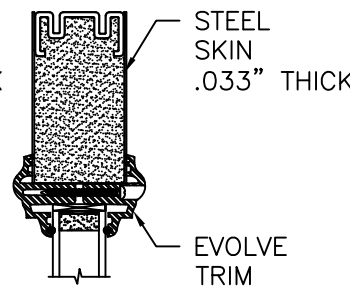
OPTION 2
SIGNET TRIM



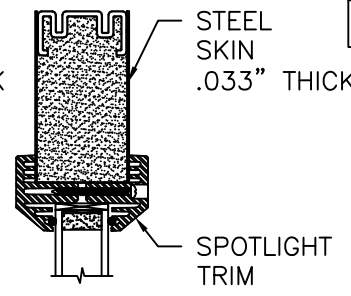
OPTION 3
SMOOTH TRIM



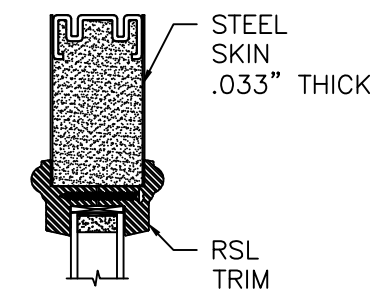
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TRINITY TRIM



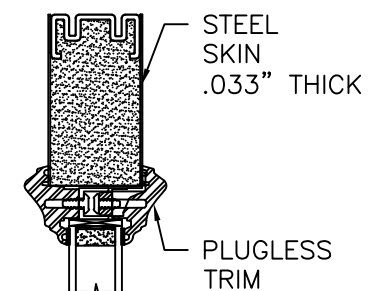
OPTION 5
EVOLVE TRIM



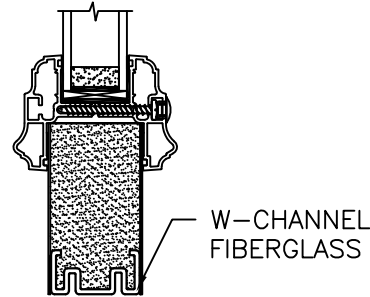
OPTION 6
SPOTLIGHT TRIM



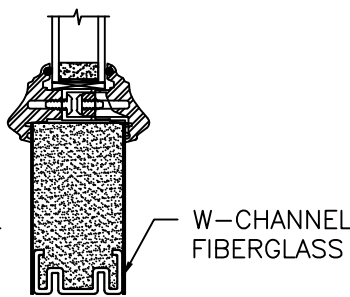
OPTION 7
RSL TRIM



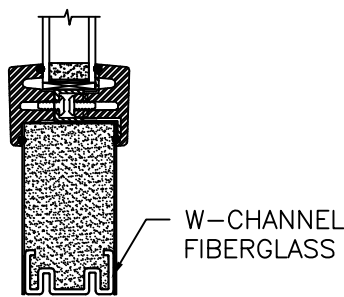
OPTION 8
PLUGLESS TRIM
W/TAPE



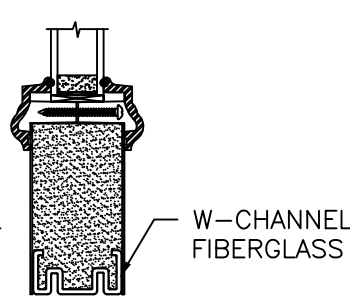
OPTION 9
ELTON TRIM



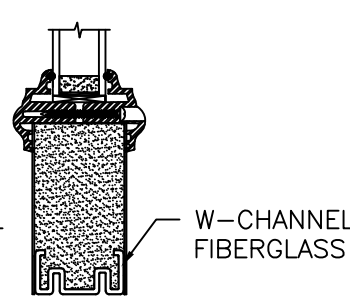
OPTION 10
SMOOTH TRIM
W/TAPE



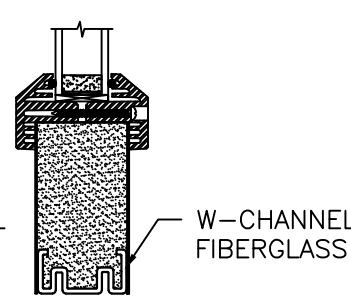
OPTION 11
SIGNET FIR TRIM



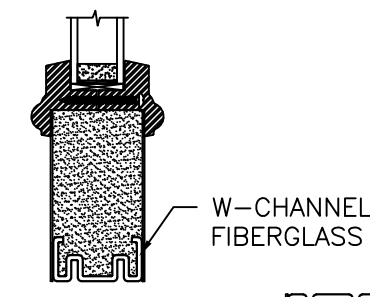
OPTION 12
SIGNET FIR &
DENTIL SHELF TRIM



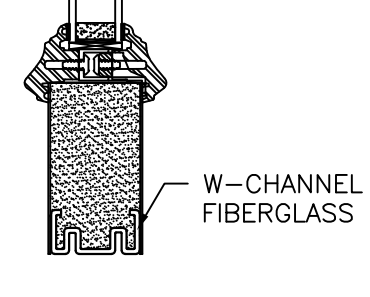
OPTION 13
ODL ZEEL TRIM



OPTION 14
XLE TRIM



OPTION 15
W-CHANNEL
FIBERGLASS



OPTION 16
W-CHANNEL
FIBERGLASS

APPROVED SLABS AND TRIMS

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

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

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN:
J.L.

DWG NO.
08-02067

REV
K

SCALE NTS

DATE 06/18/13

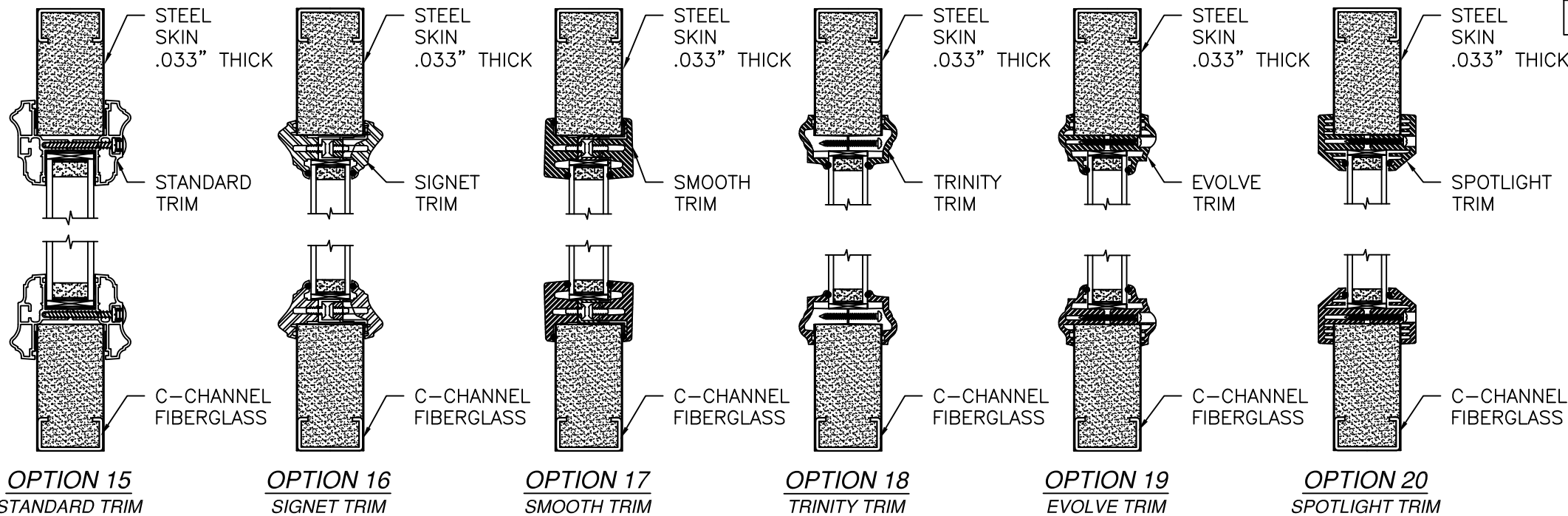
SHEET 11 OF 15

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

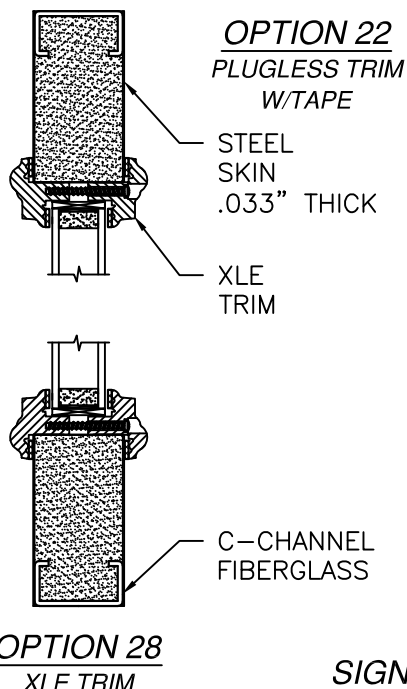
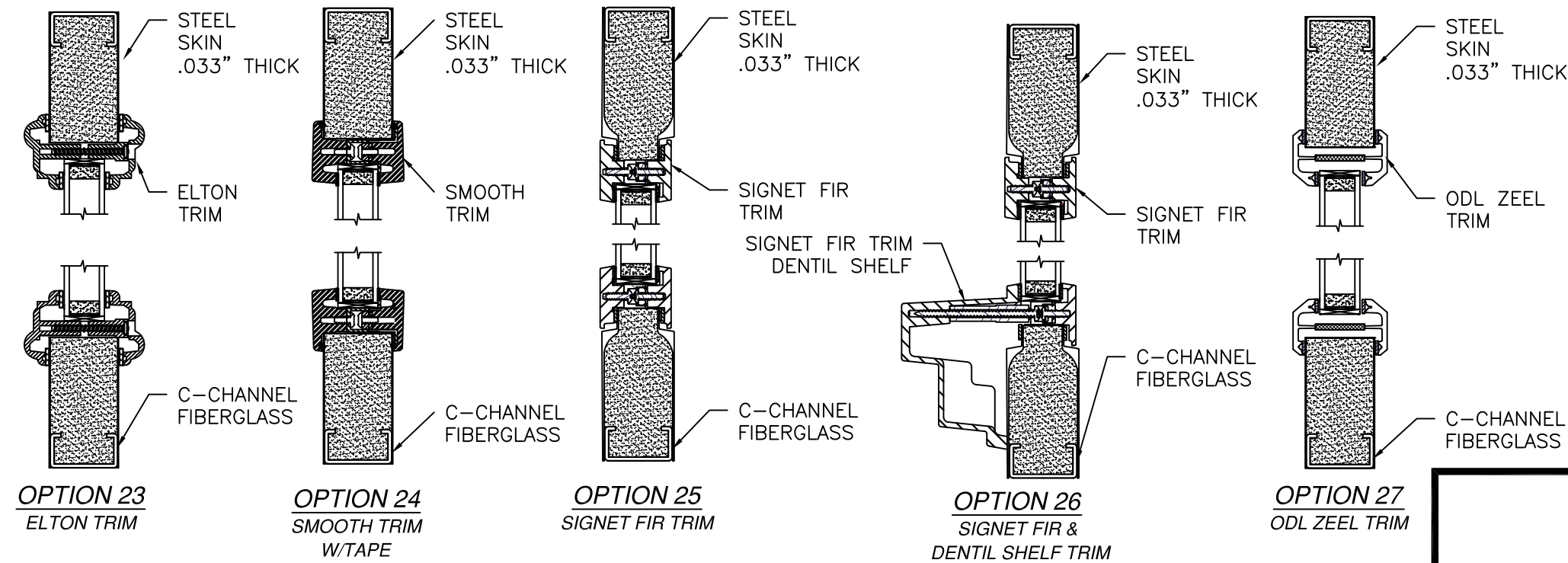
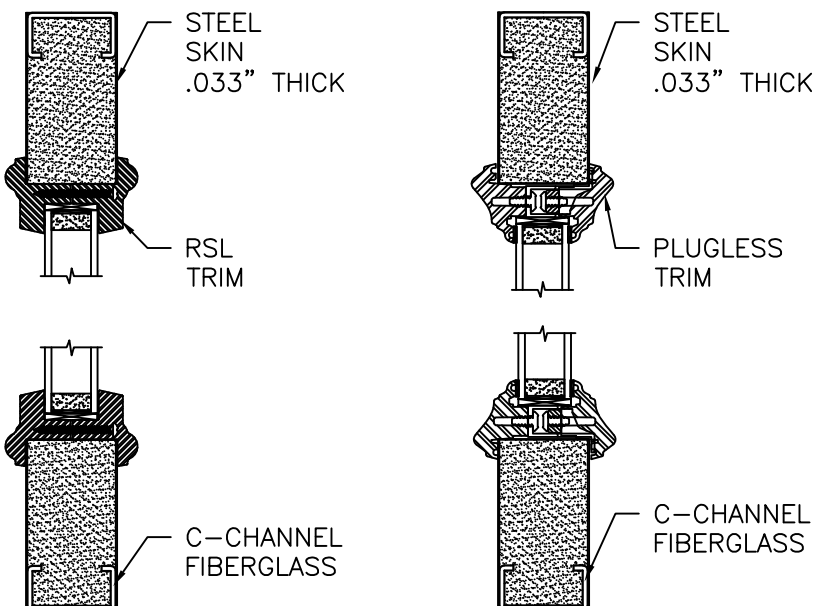
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SIGNED: 09/09/2026

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



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



APPROVED SLABS AND TRIMS

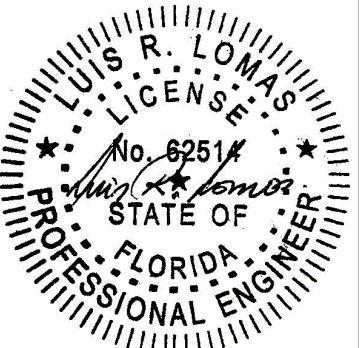
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 12 OF 15

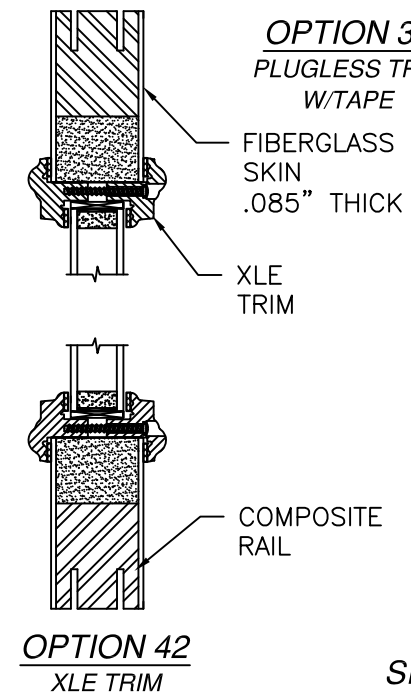
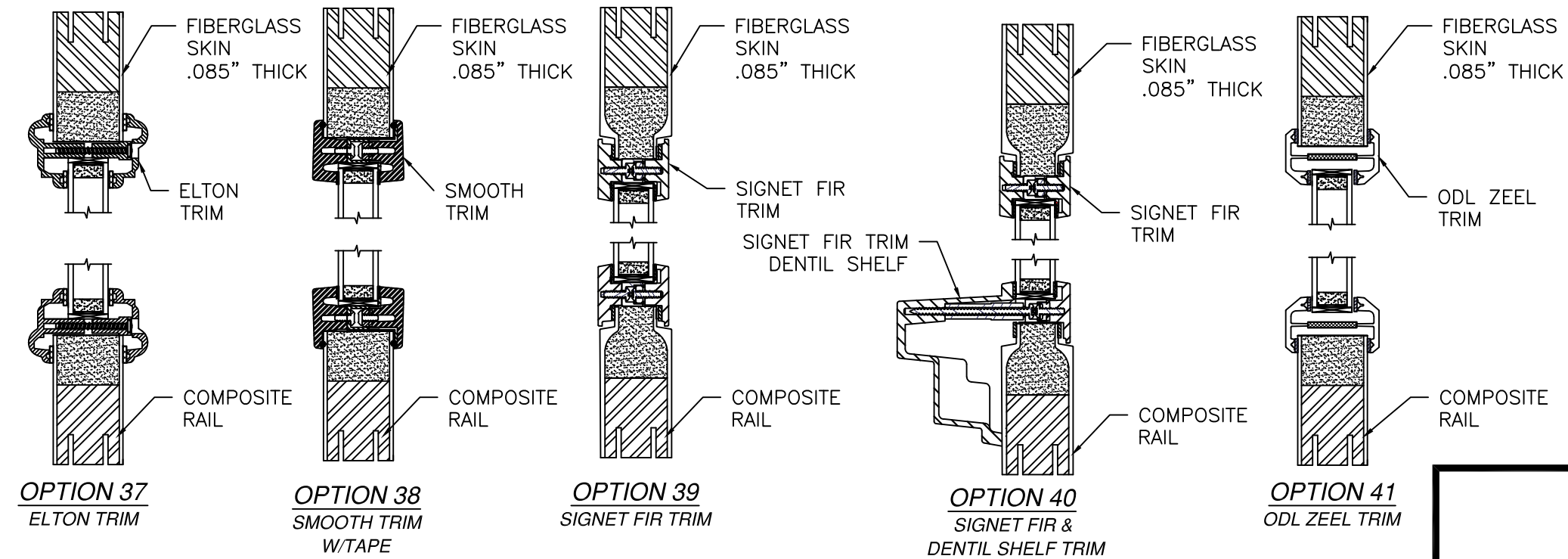
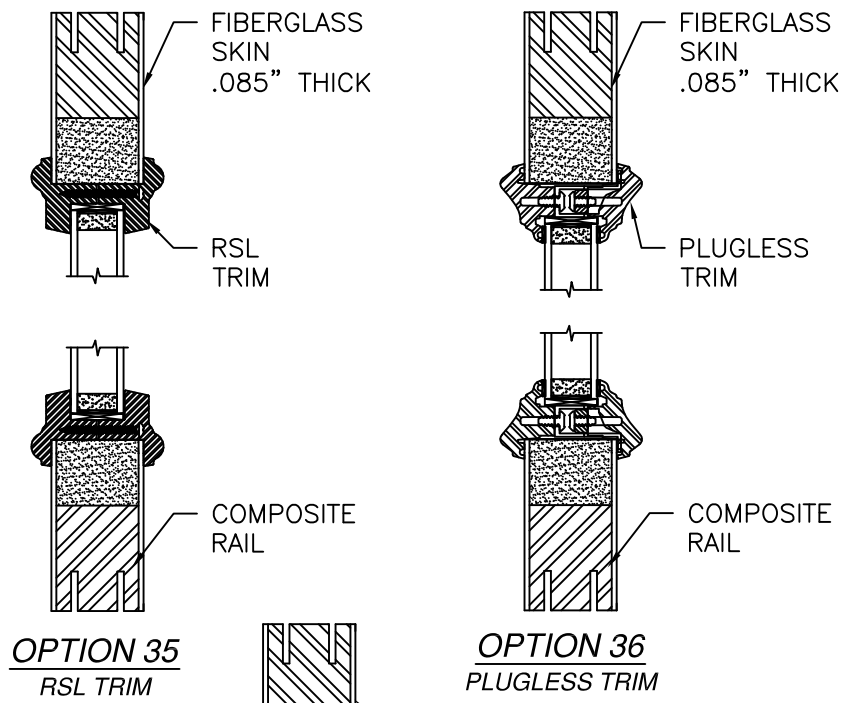
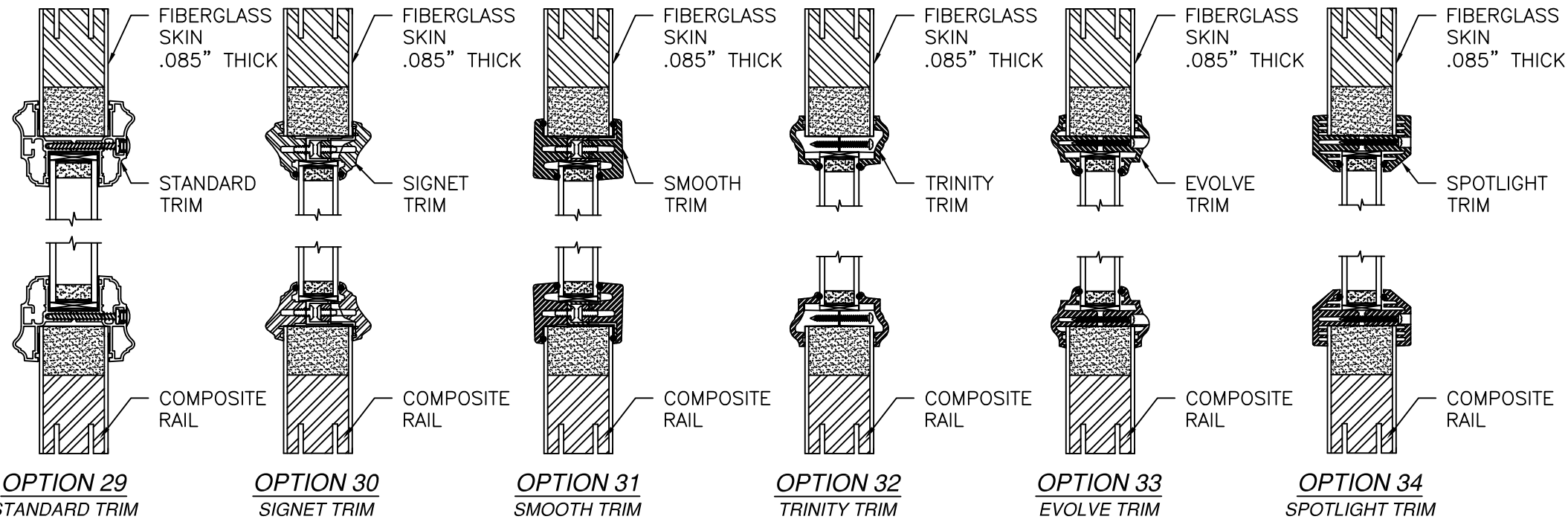
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026



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

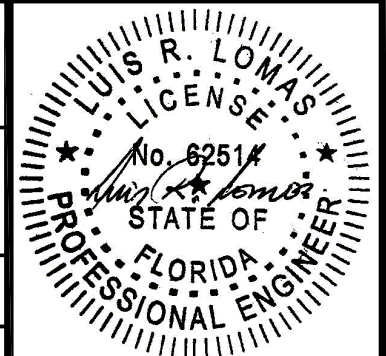
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISED HARDWARE SCHEDULE	09/09/26	R.L.



APPROVED SLABS AND TRIMS

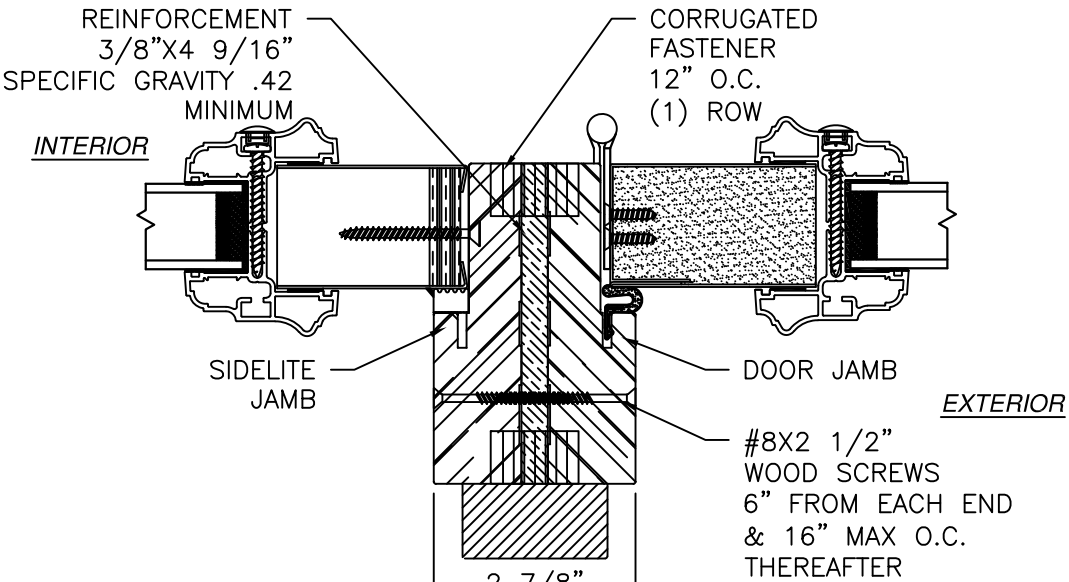
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/SIDELITES NON-IMPACT APPROVED SLABS AND TRIMS		
DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 13 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 09/09/2026

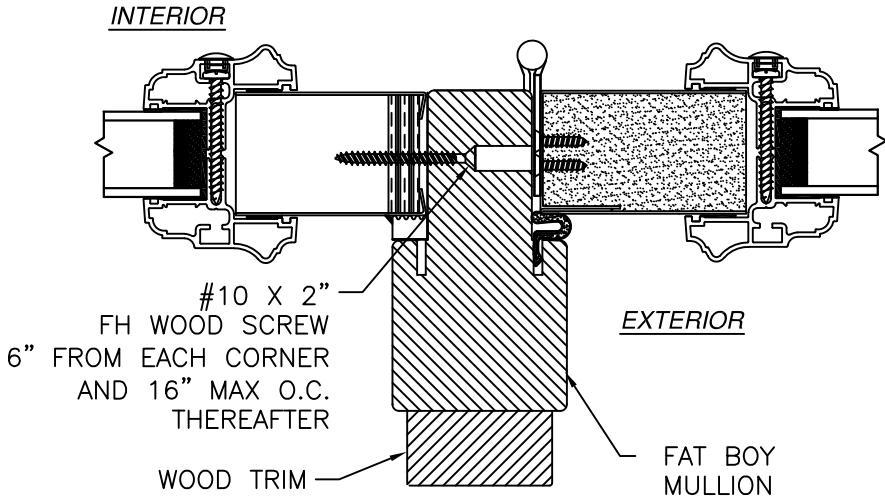


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FL No.: 62514

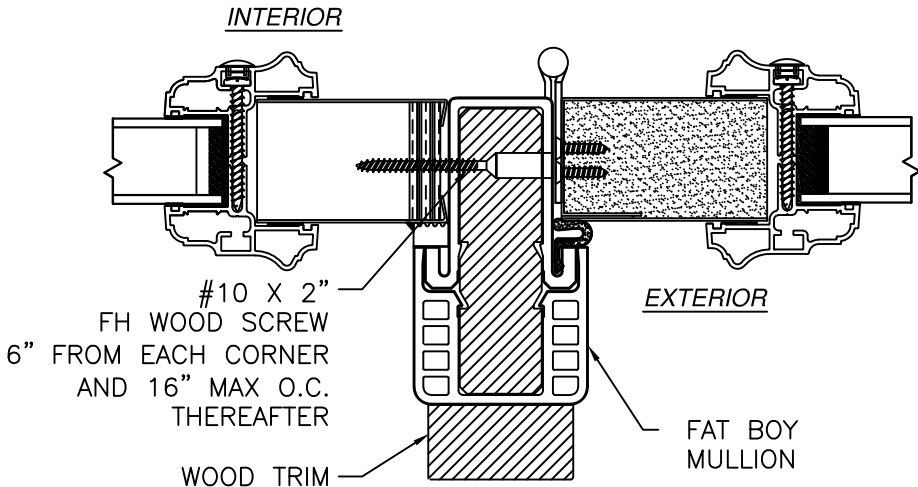
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
K	REVISED HARDWARE SCHEDULE	09/09/26	R.L.



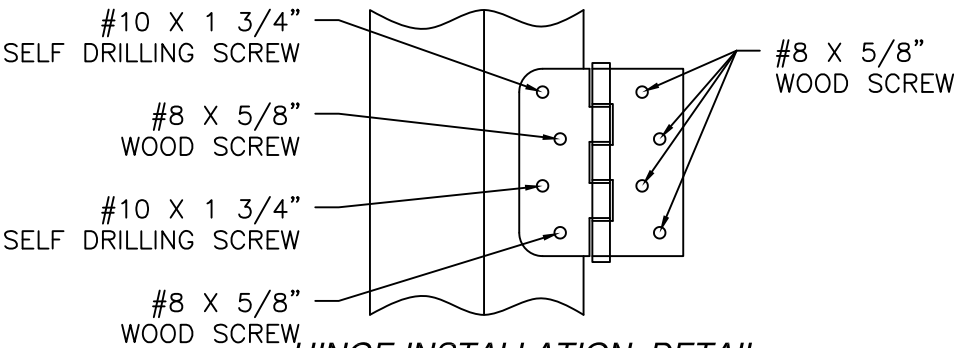
MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



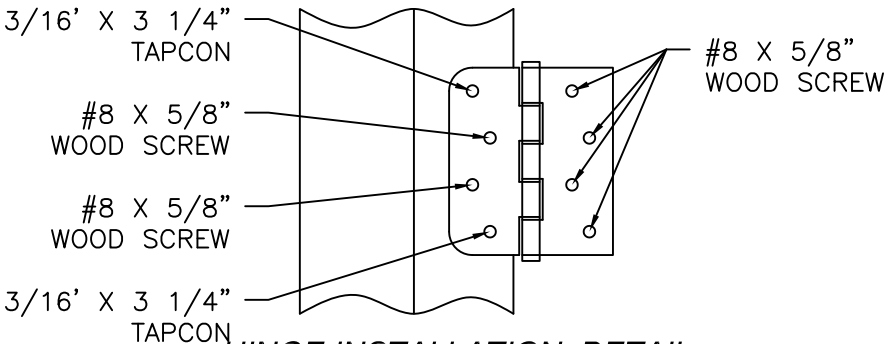
MULLION DETAIL
WITH FAT BOY MULLION



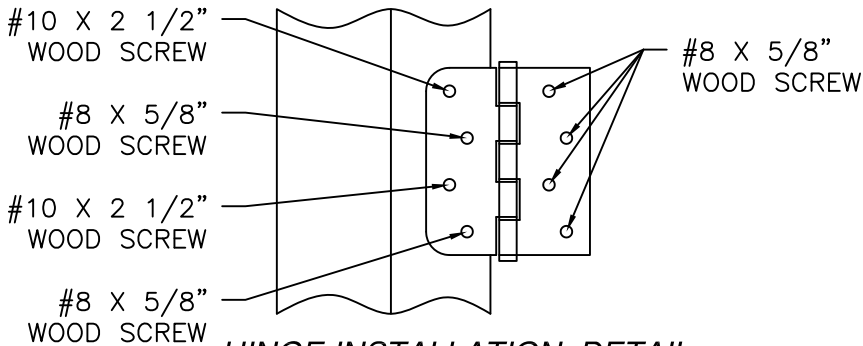
INSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION



HINGE INSTALLATION DETAIL
METAL STRUCTURE



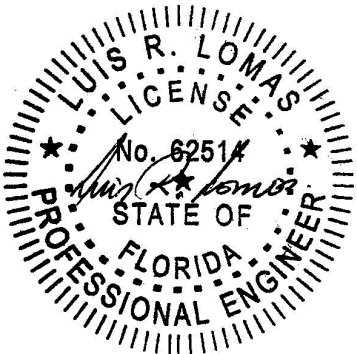
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



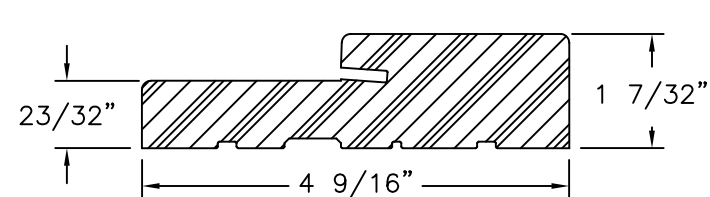
HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR W/SIDELITES NON-IMPACT MULLION DETAILS AND HINGES DETAILS		
DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 14 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

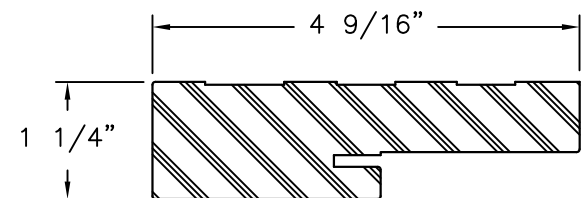
SIGNED: 09/09/2026



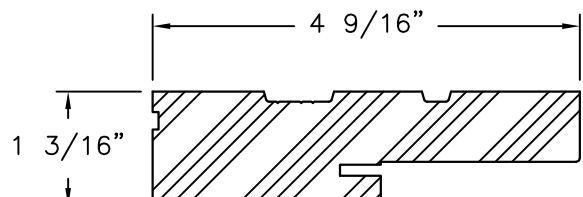
Luis R. Lomas P.E.
FL No.: 62514



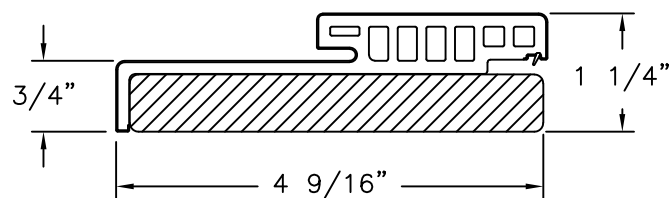
FRAMESAVER
COMPOSITE



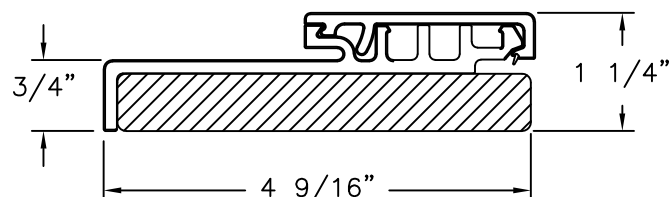
COMPOSITE FRAME PROFILE



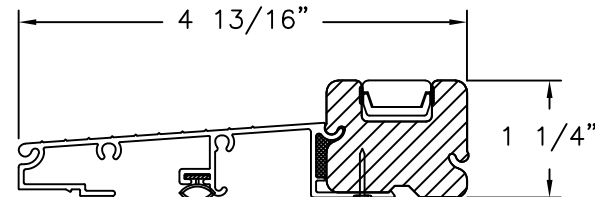
WOOD FRAME PROFILE



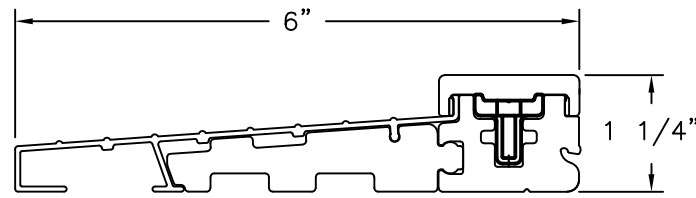
HYBRID HEAD
WOOD/COMPOSITE



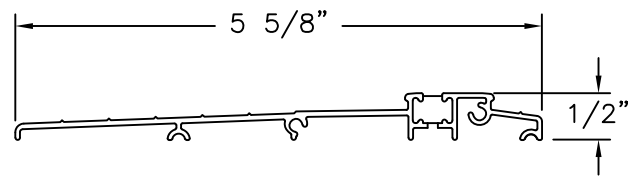
HYBRID JAMB
WOOD/COMPOSITE



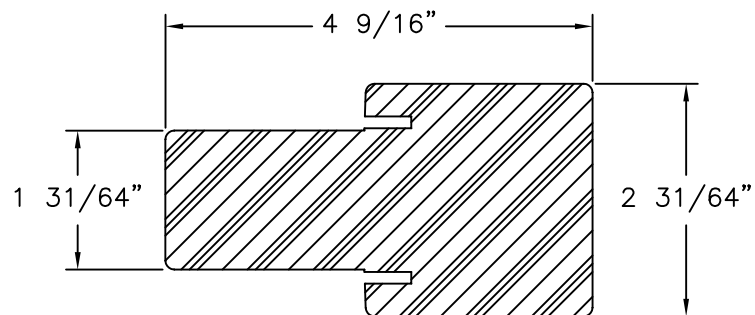
SAHARA INSWING THRESHOLD



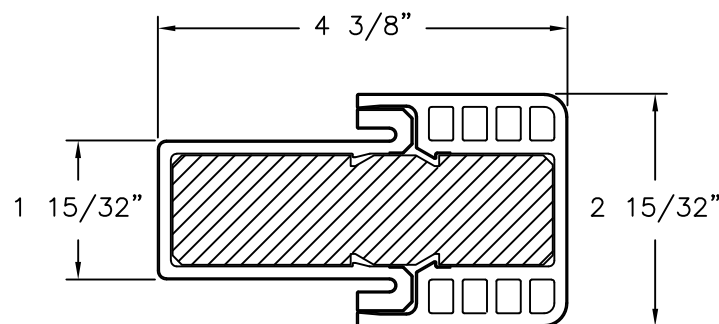
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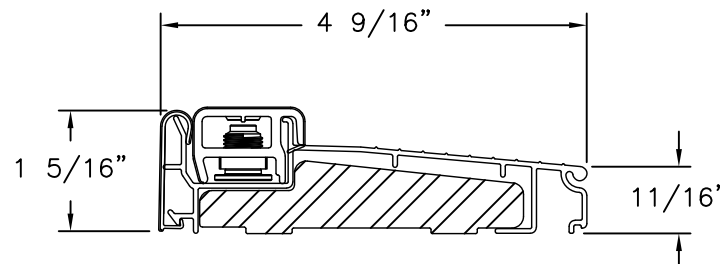
ADA THRESHOLD



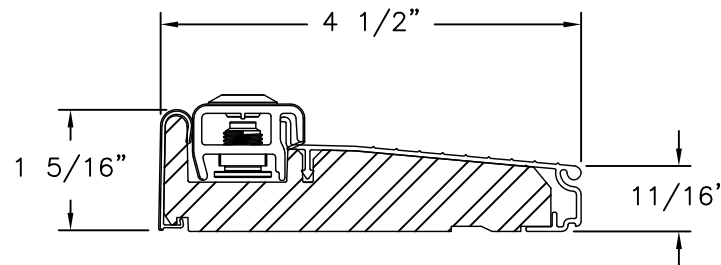
FAT BOY MULLION
COMPOSITE



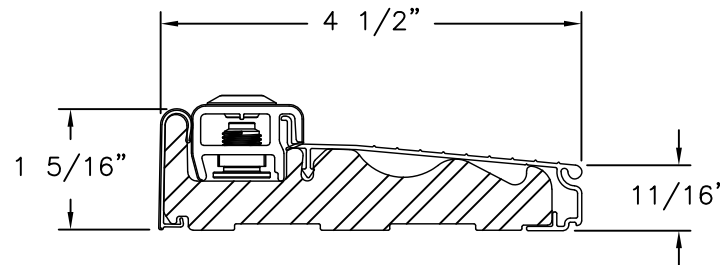
HYBRID FAT BOY MULLION
COMPOSITE



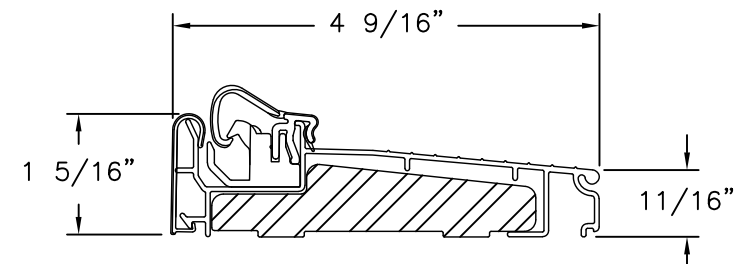
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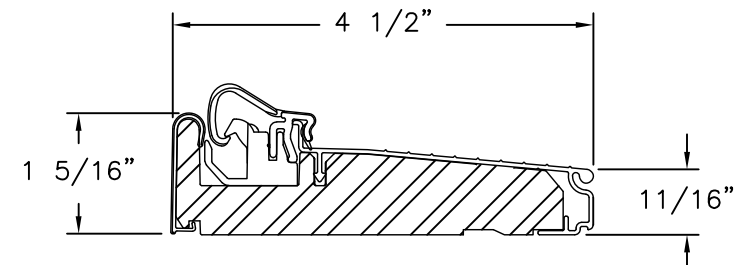
INSWING SILL ZAI4565F



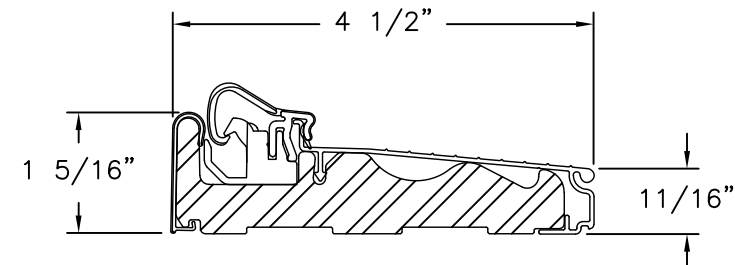
INSWING SILL ZAILH4565



INSWING SILL ZACL4565



INSWING SILL ZAC4565F



INSWING SILL ZACLH4565

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

SIGNED: 09/09/2026

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

STEEL/FIBERGLASS INSWING GLAZED SINGLE DOOR
W/SIDELITES NON-IMPACT
COMPONENTS

DRAWN: J.L.	DWG NO. 08-02067	REV K
SCALE NTS	DATE 06/18/13	SHEET 15 OF 15

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