

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	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)
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 11 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
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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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM – IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-01965

REV
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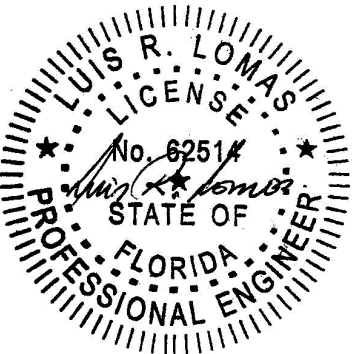
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DATE 04/22/13

SHEET 1 OF 15

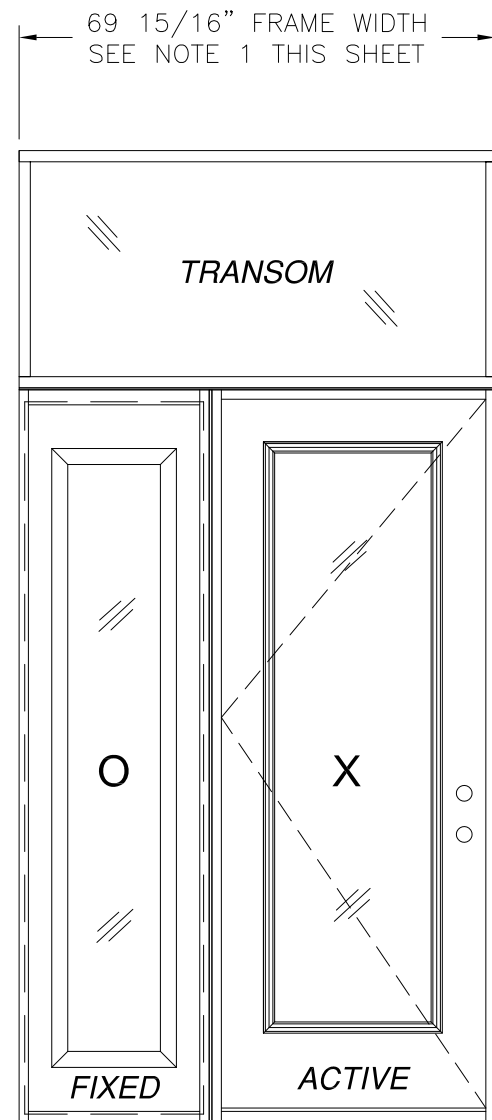
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SIGNED: 08/27/2024



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FL No.: 62514

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1/2" MULLION MINIMUM
SEE NOTE 3
THIS SHEET
& DETAILS B & C
SHEET 12

97 19/32"
FRAME HEIGHT

37 9/16"
FRAME WIDTH

25 3/8"
FRAME WIDTH

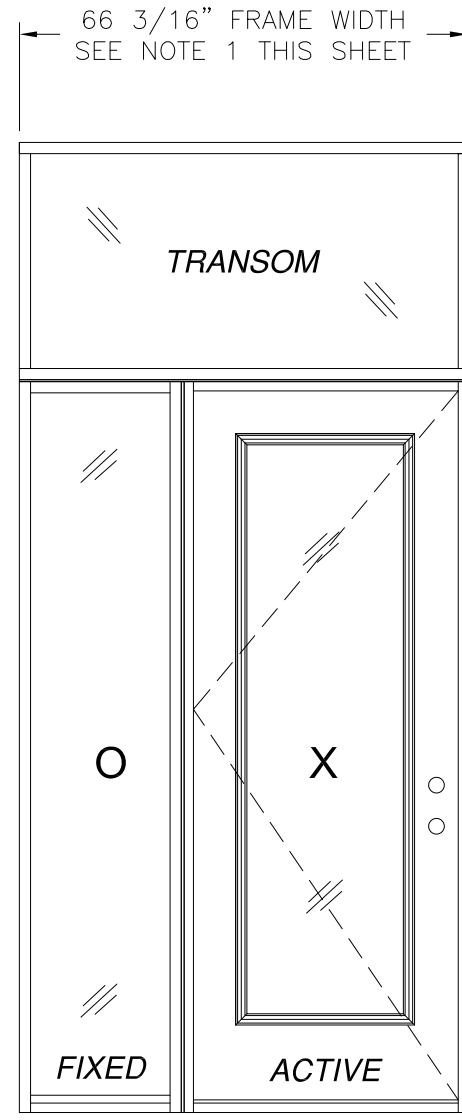
3/8" MULLION MINIMUM
SEE NOTES 1 AND 2
THIS SHEET
& DETAILS A & C
SHEET 12

SINGLE DOOR W/ STD SIDELITE AND TRANSOM

EXTERIOR VIEW
OX SHOWN XO ALSO APPROVED

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3



1/2" MULLION MINIMUM
SEE NOTE 3
THIS SHEET
& DETAILS B & C
SHEET 12

97 19/32"
FRAME HEIGHT

37 9/16"
FRAME WIDTH

21 5/8"
FRAME WIDTH

3/8" MULLION MINIMUM
SEE NOTES 1 AND 2
THIS SHEET
& DETAILS A & C
SHEET 12

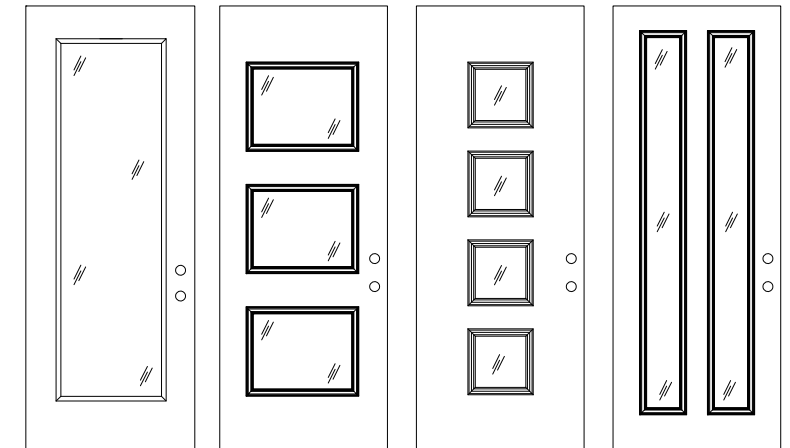
SINGLE DOOR W/ DIRECT SET SIDELITE AND TRANSOM

EXTERIOR VIEW
OX SHOWN XO ALSO APPROVED

WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

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 11.1 FT²

NOTES:

1. MAXIMUM ALLOWED BUILD UP TO BE 7"
2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.
3. IF TRANSOM HEIGHT IS 16" OR LESS NO HORIZONTAL MULLION IS REQUIRED.
4. DOOR PANEL SIZE: 35 3/4" X 94 15/16"
5. SIDELITE PANEL SIZE: 23 7/8" X 95 1/8"
6. DOOR PANEL D.L.O.: 20 3/8" X 78 1/2"
7. SIDELITE PANEL D.L.O.: 12 3/8" X 78 3/8"
8. DIRECT SET D.L.O.: 18 5/8" X 93 25/32"

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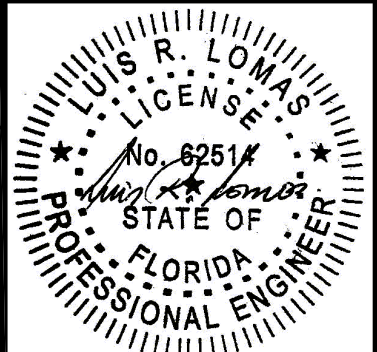
PROVIA, LLC.

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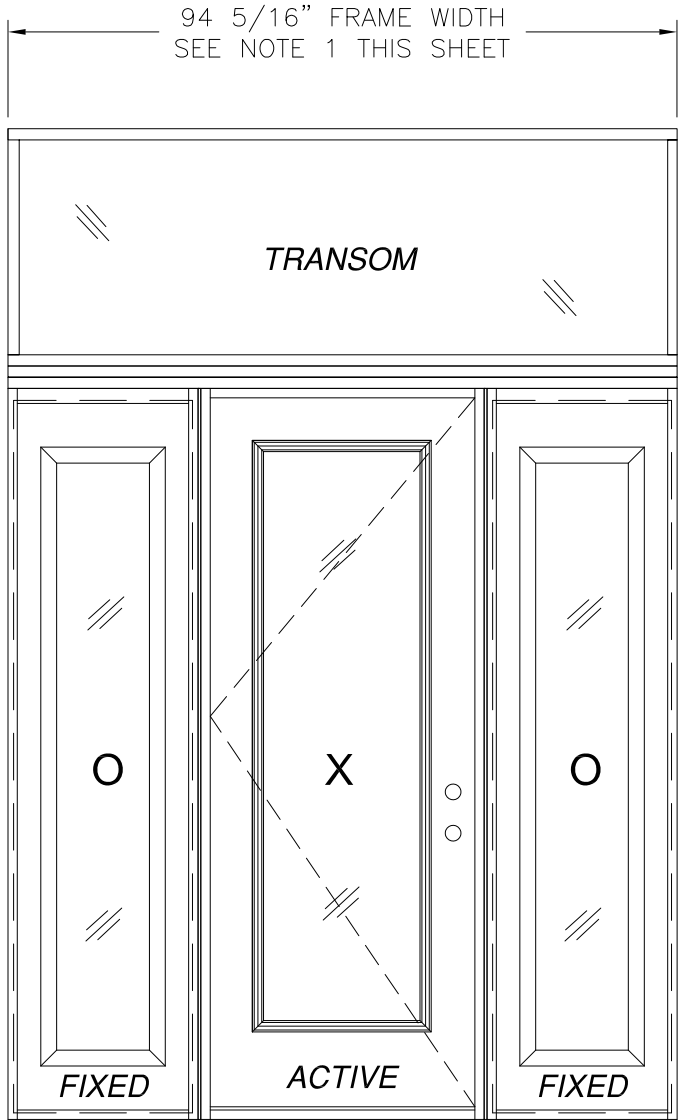
STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM – IMPACT
ELEVATION AND APPROVED CONFIGURATIONS

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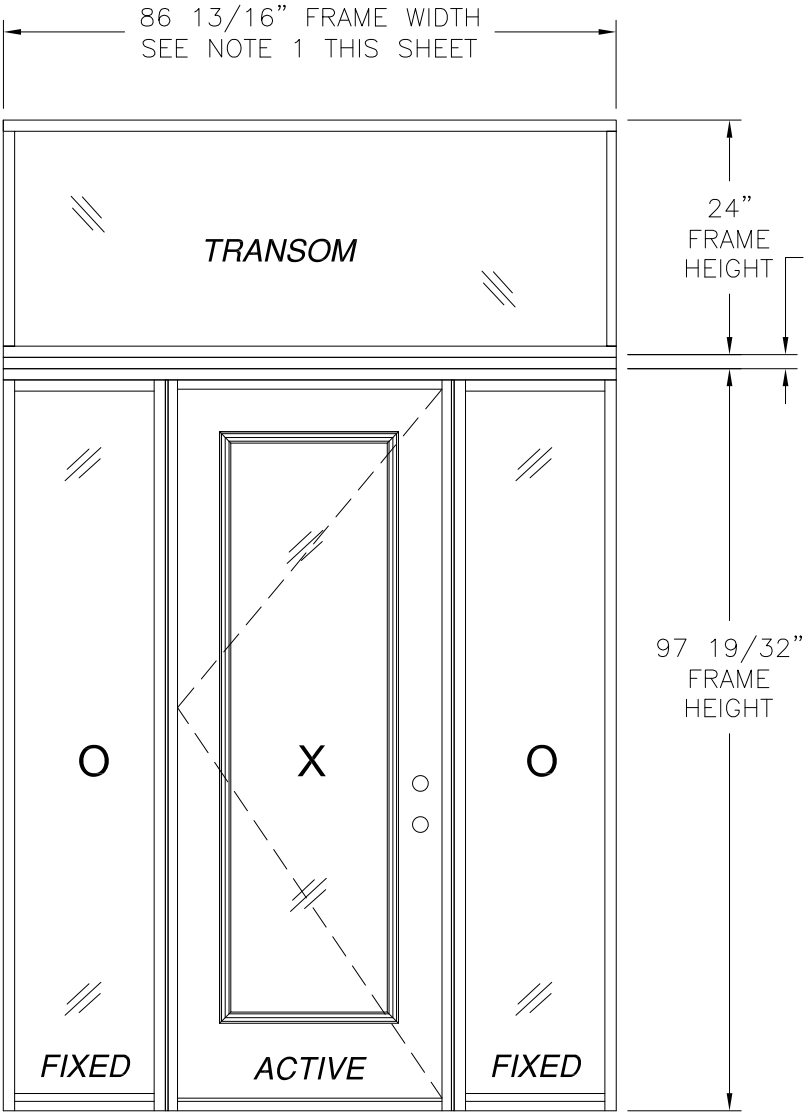
3/8" MULLION
MINIMUM
SEE NOTES
1 AND 2
THIS SHEET
& DETAILS A & C
SHEET 12

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SEE NOTES
1 AND 2
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SINGLE DOOR W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3



3/8" MULLION
MINIMUM
SEE NOTES
1 AND 2
THIS SHEET
& DETAILS A & C
SHEET 12

3/8" MULLION
MINIMUM
SEE NOTES
1 AND 2
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SHEET 12

SINGLE DOOR W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

WITH PANOLOCK MULTI-POINT

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

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1 3/4"
MULLION
MINIMUM
SEE DETAIL D
SHEET 12

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W/SIDELITES & TRANSOM – IMPACT
ELEVATIONS AND APPROVED CONFIGURATIONS

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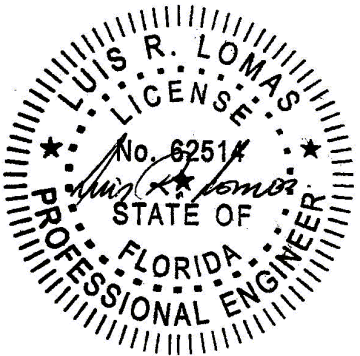
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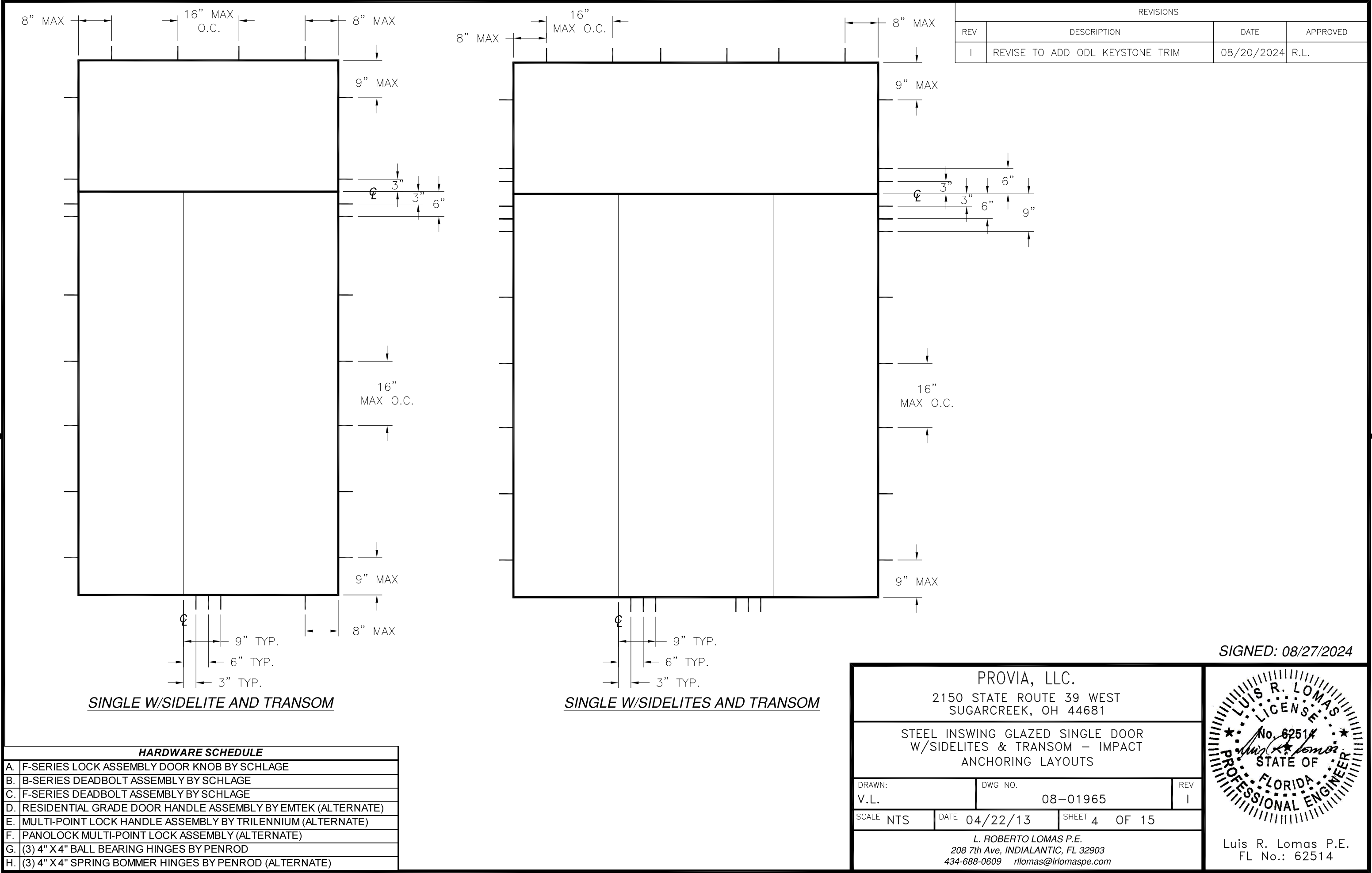
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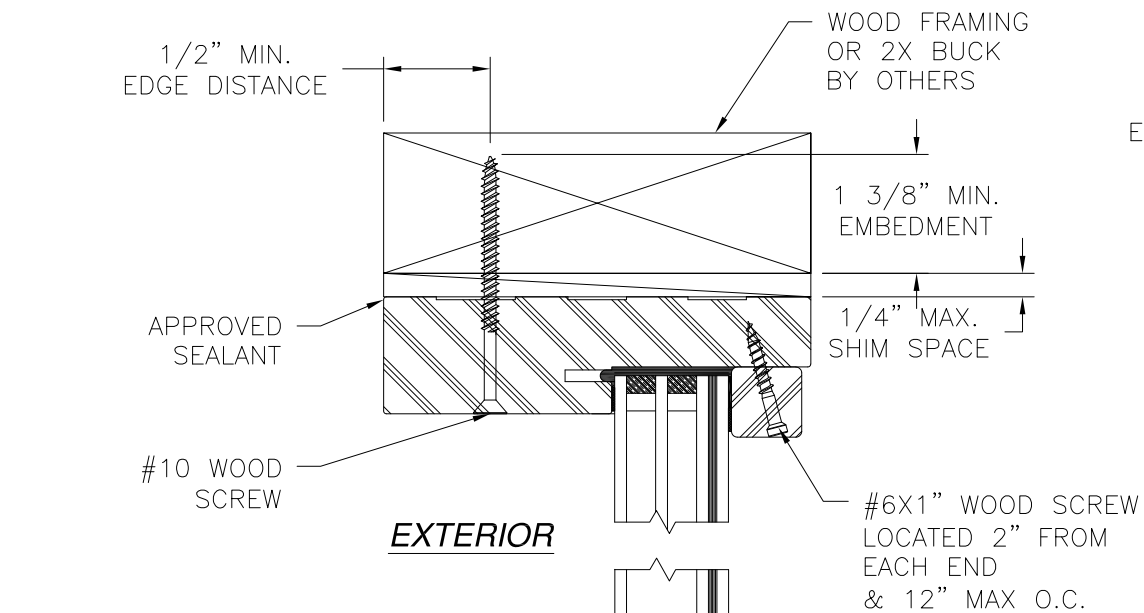
HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
F.	PANOLOCK MULTI-POINT LOCK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

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES & TRANSOM – IMPACT ANCHORING LAYOUTS		
DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 4 OF 15
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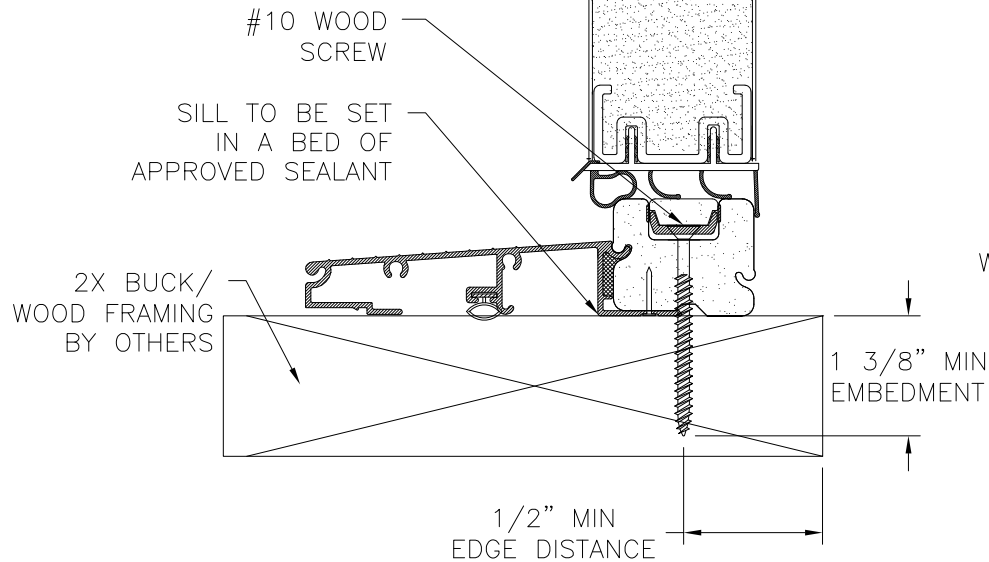
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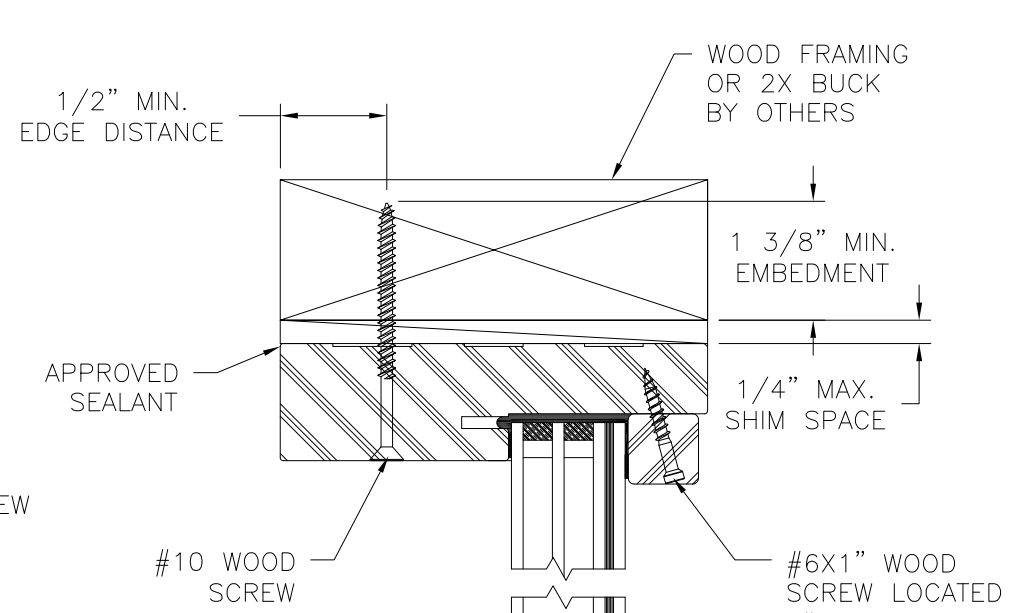
EXTERIOR

INTERIOR



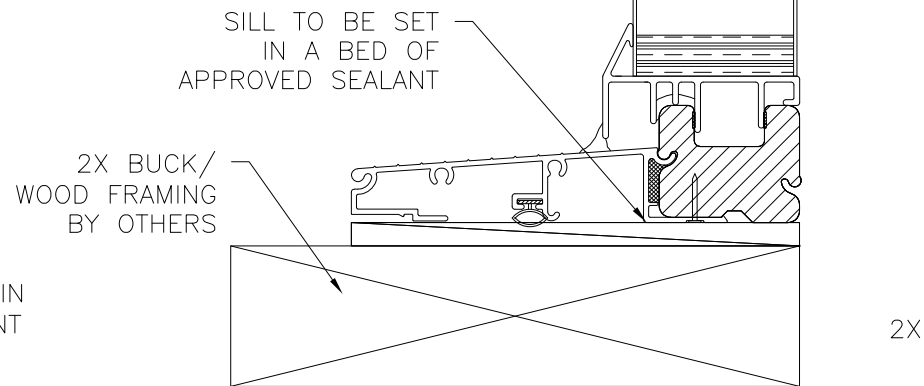
VERTICAL CROSS SECTION

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



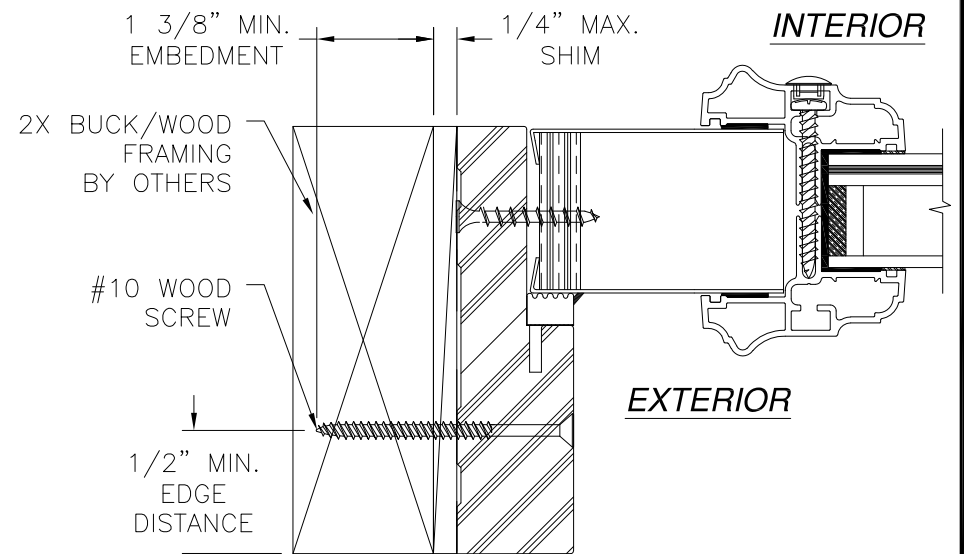
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION

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

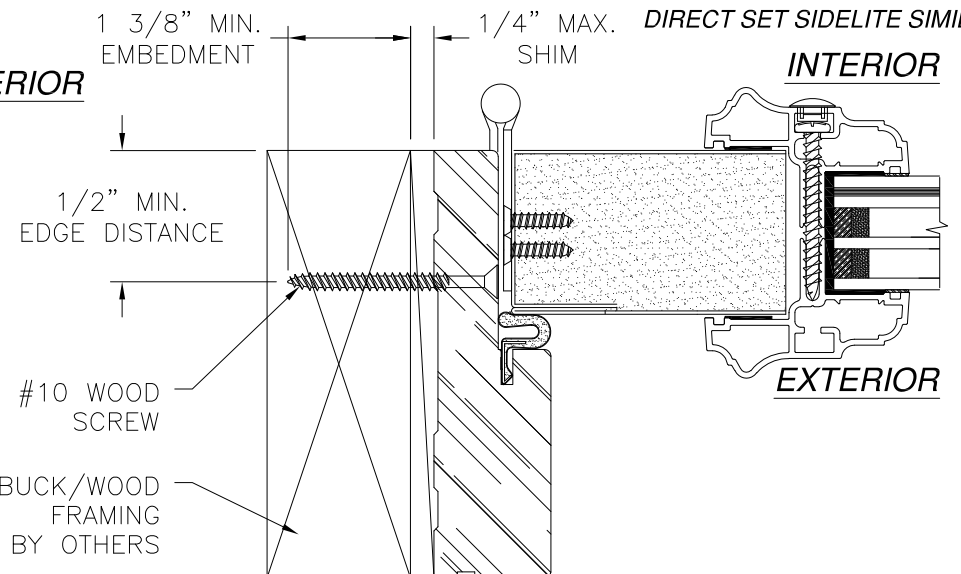


INTERIOR

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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NOTES:

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

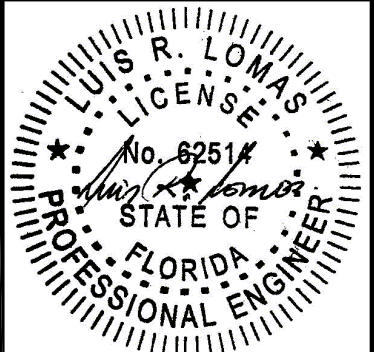
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STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
INSTALLATION DETAILS

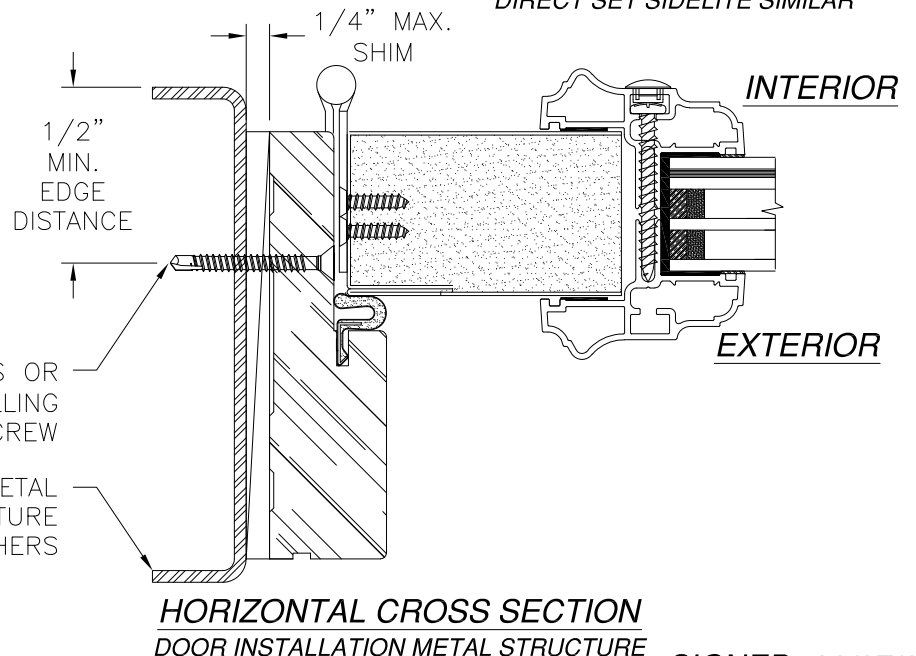
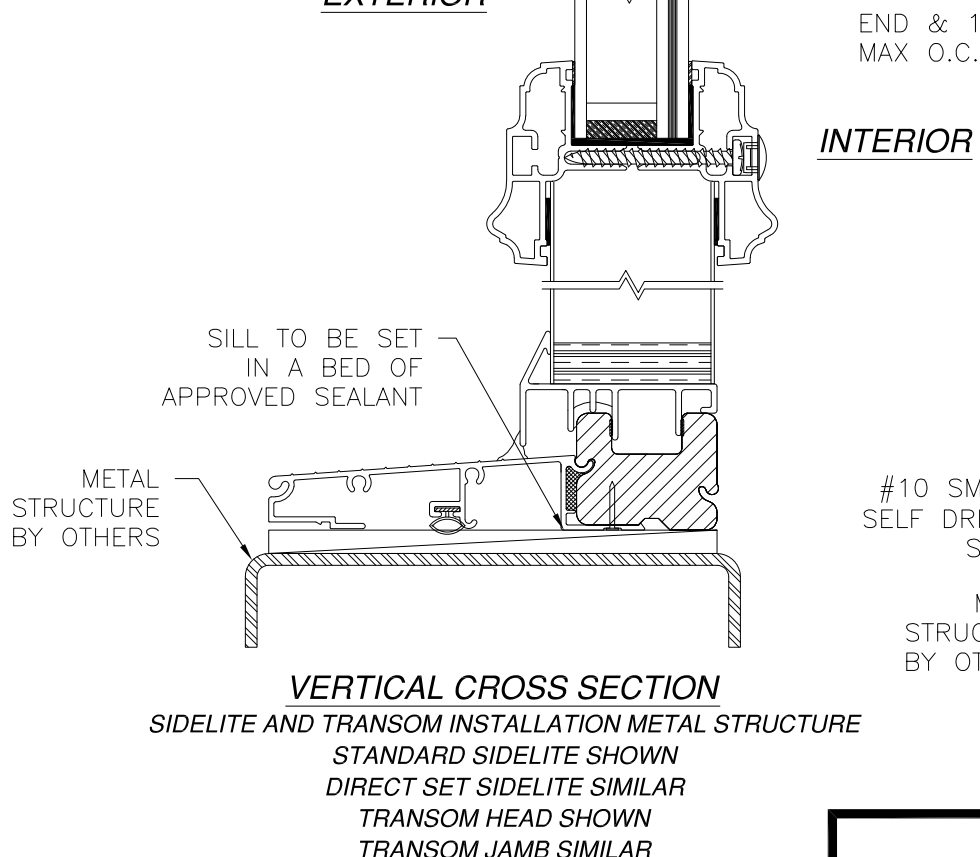
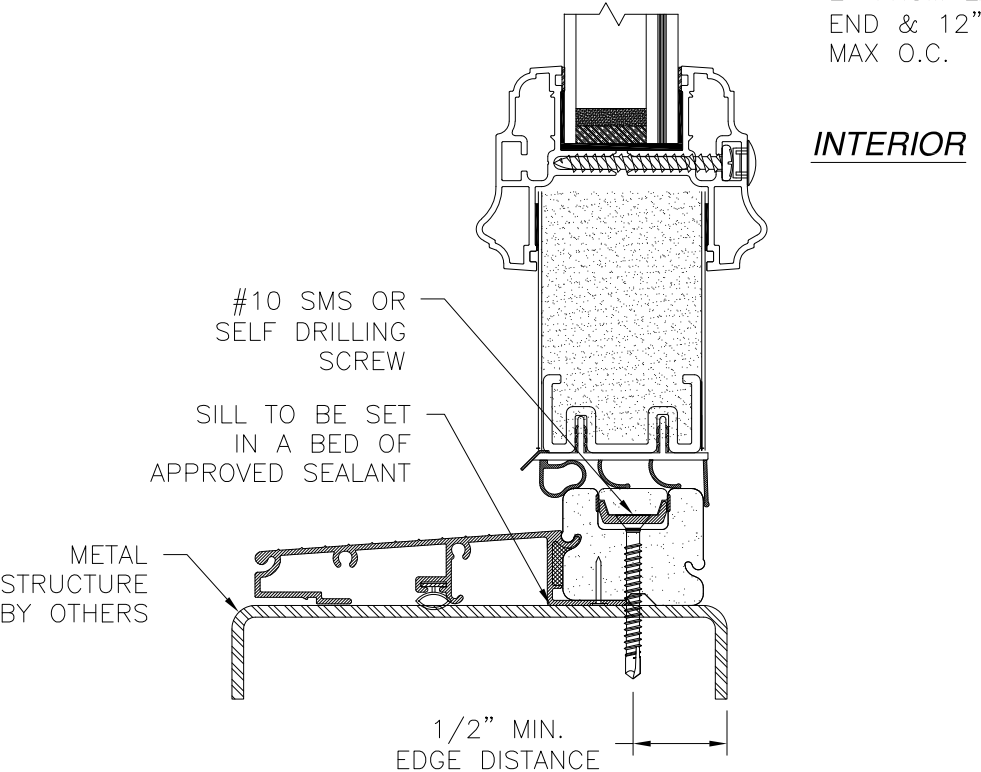
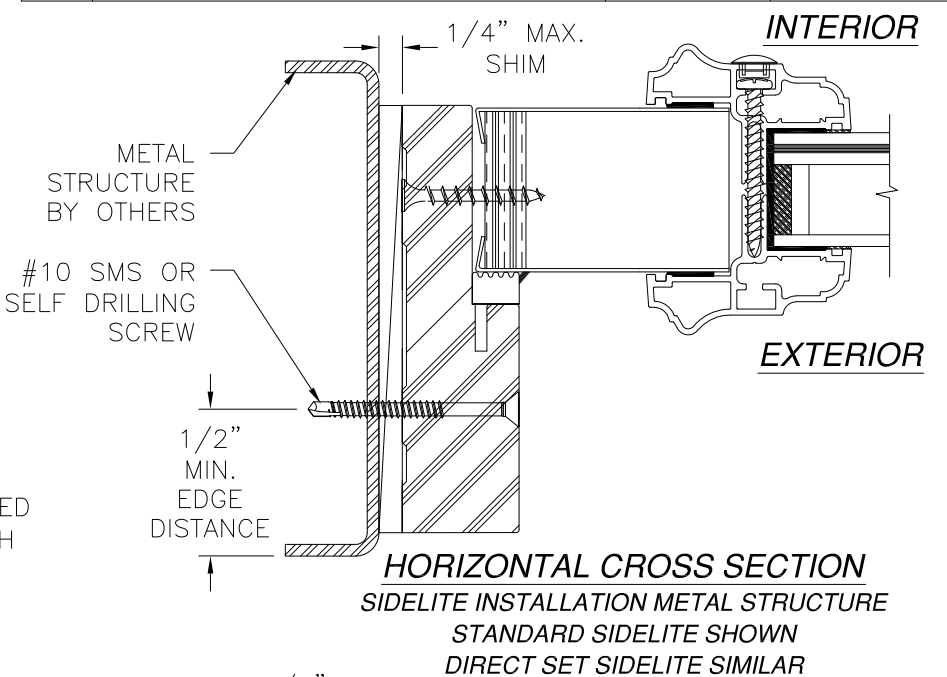
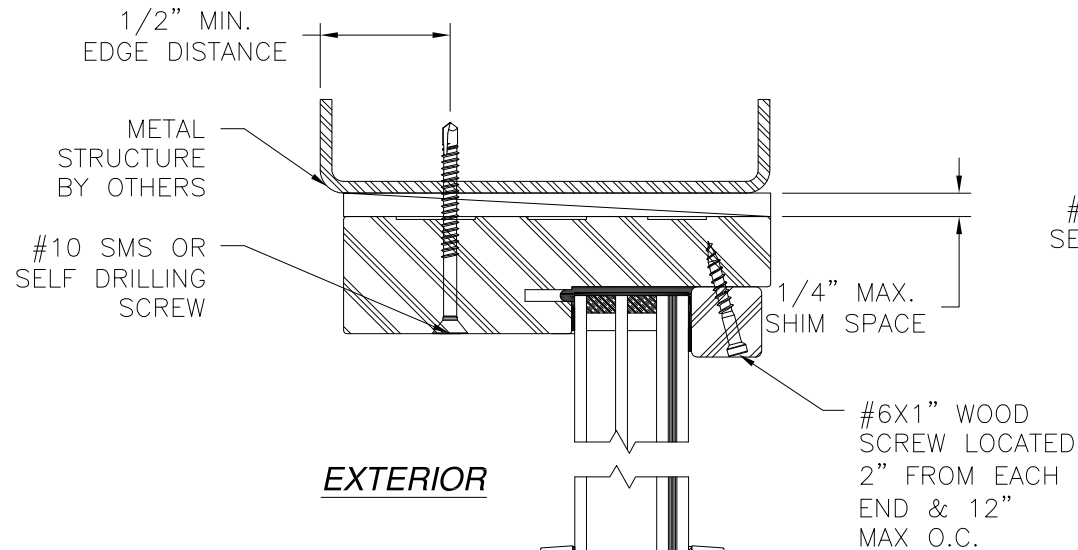
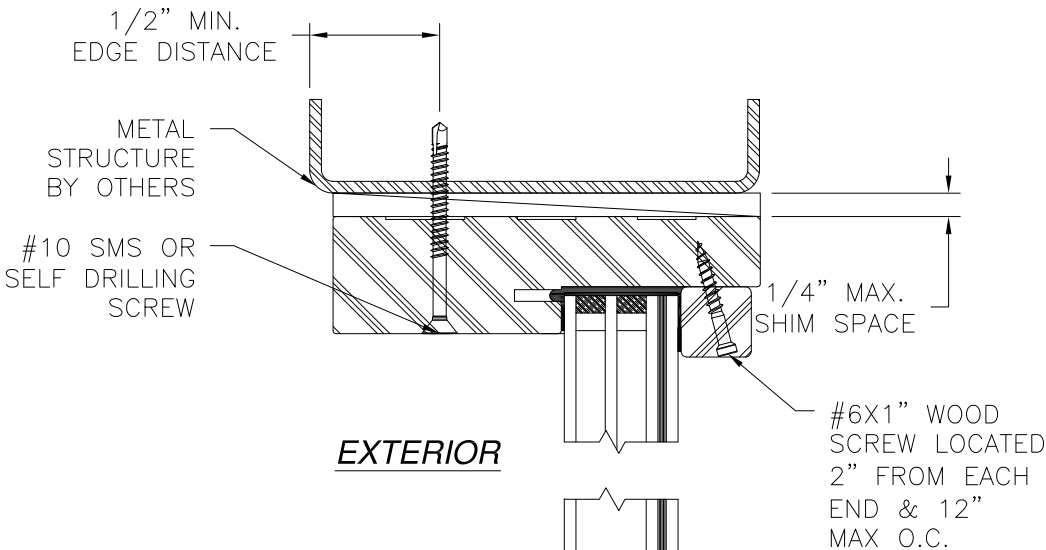
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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

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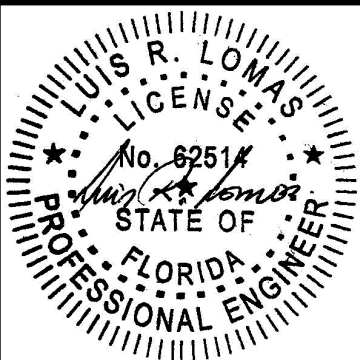
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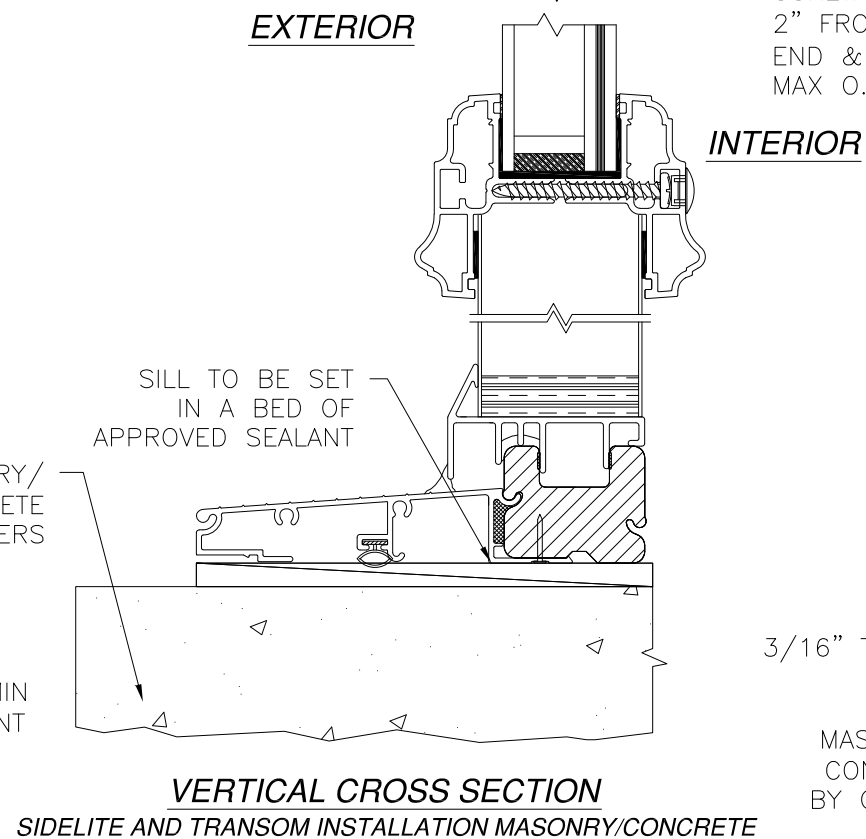
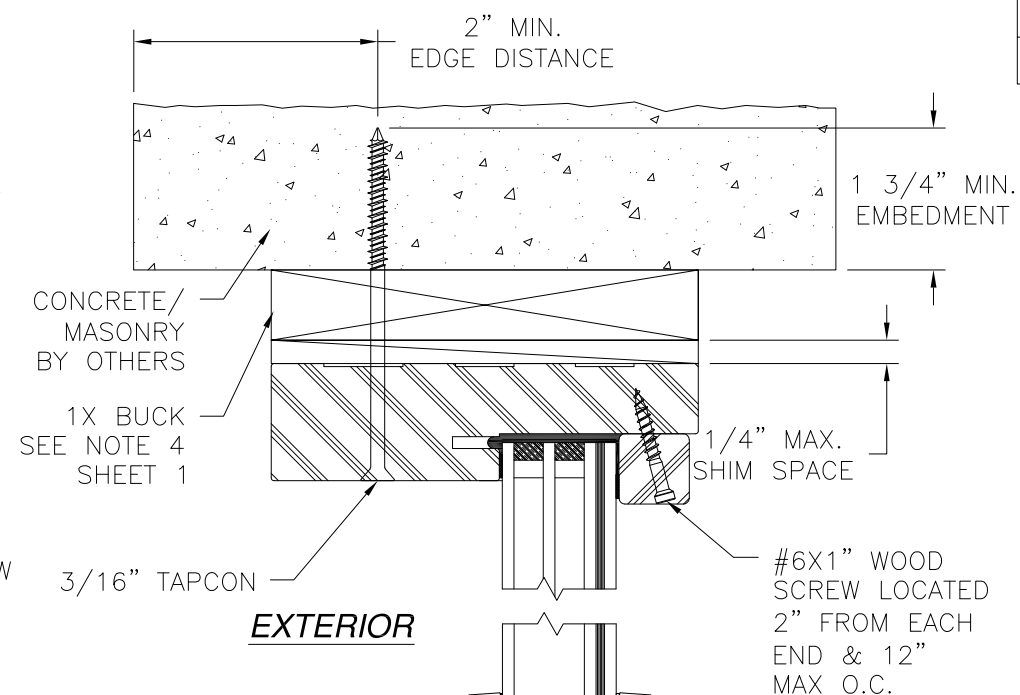
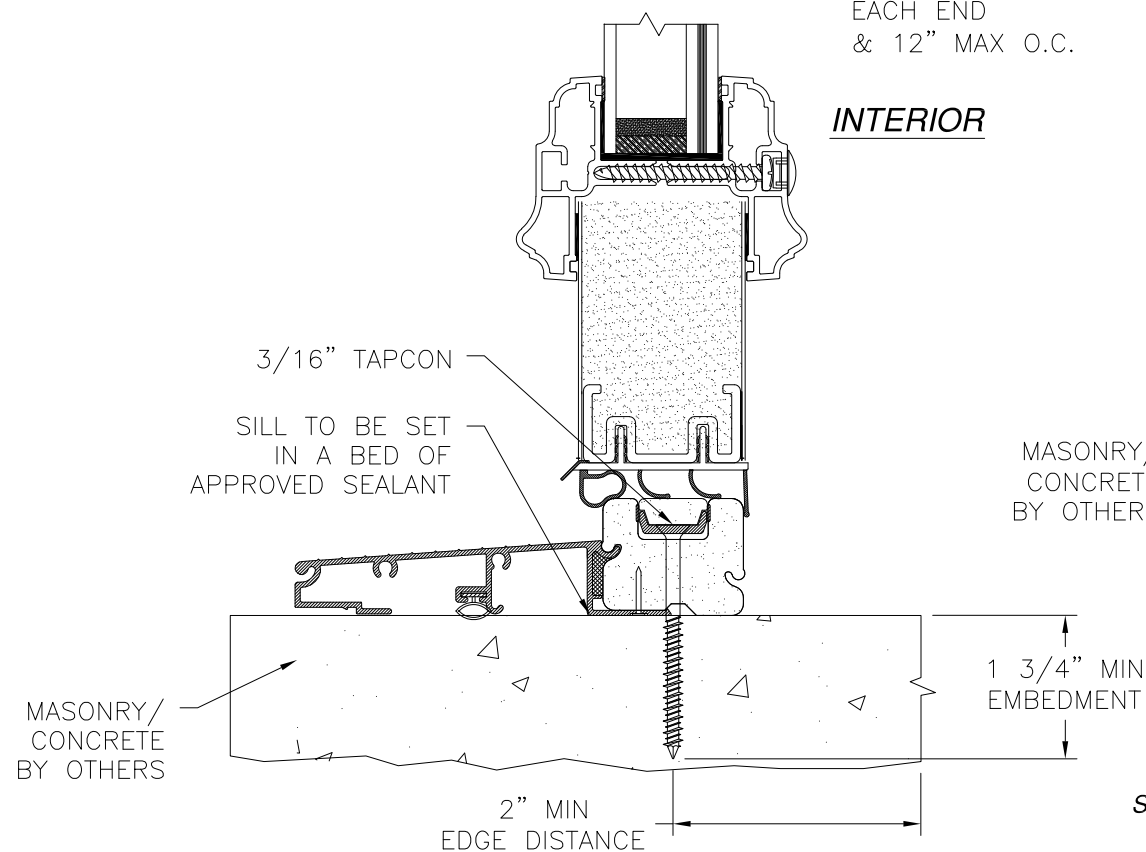
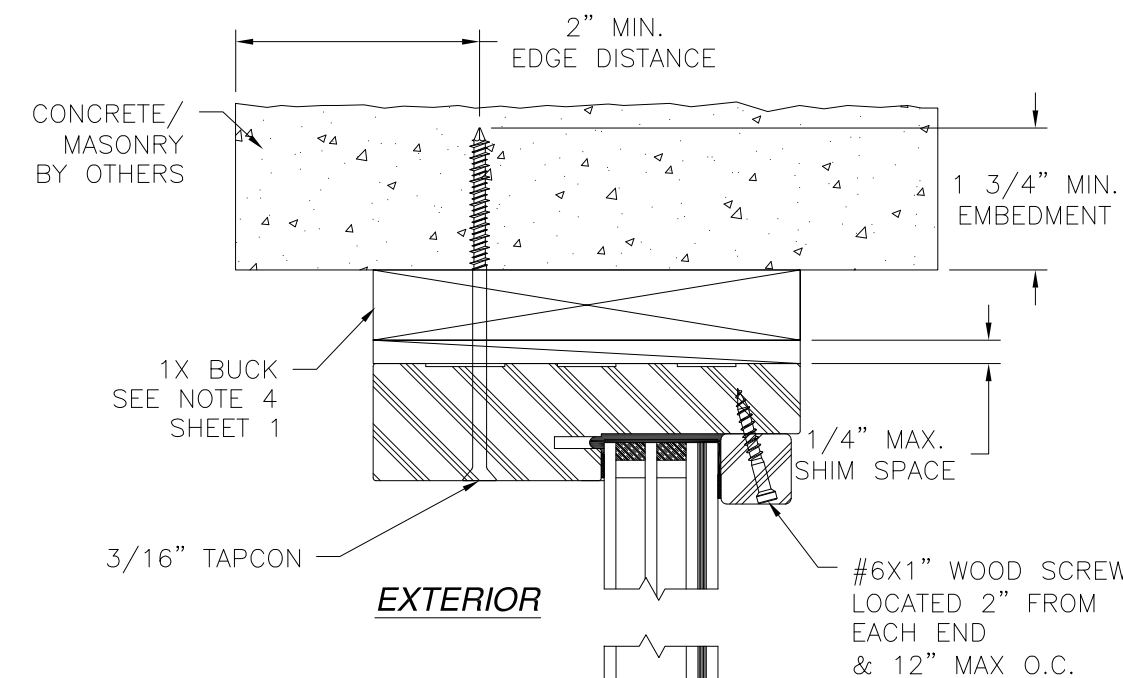
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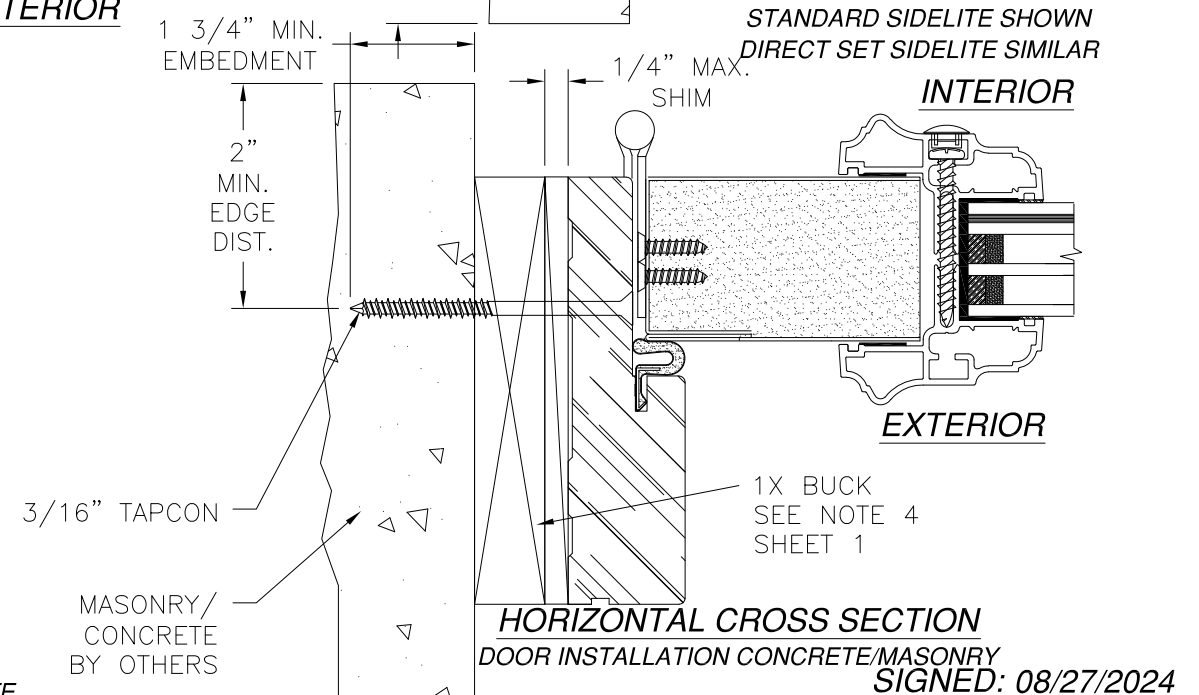
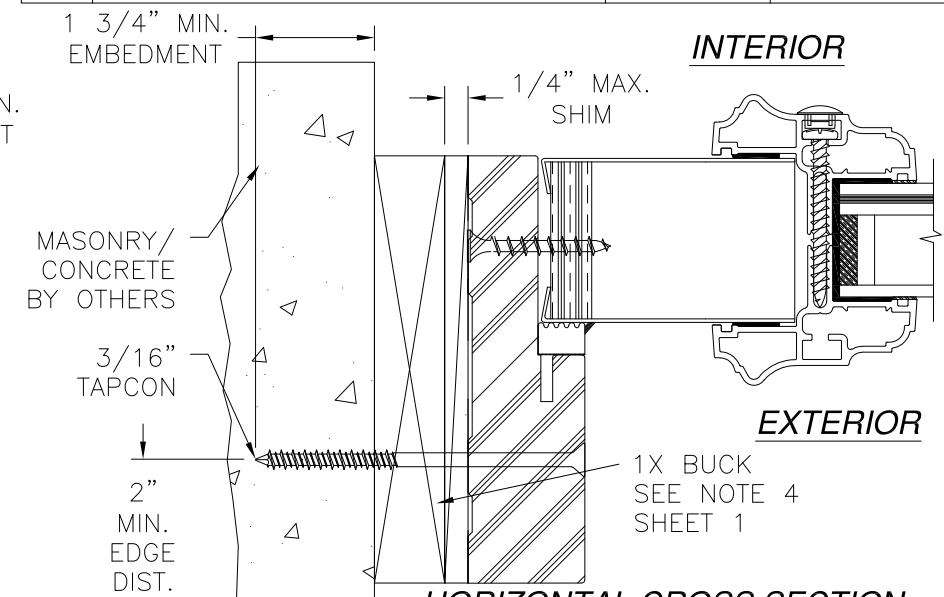
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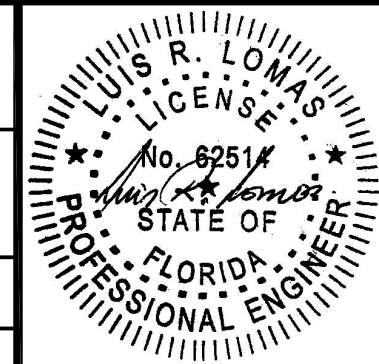
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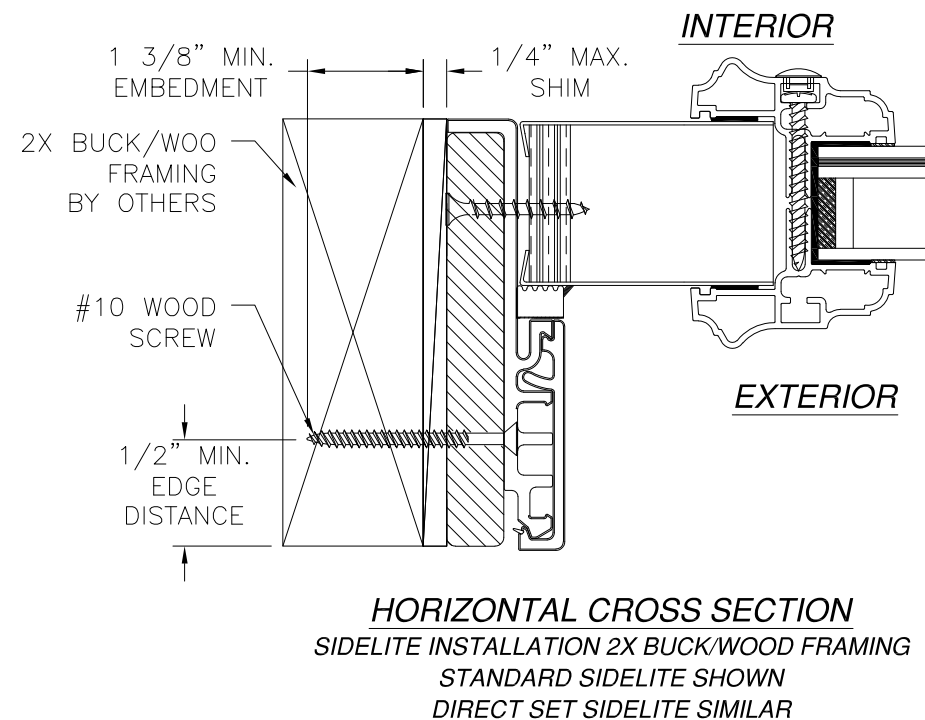
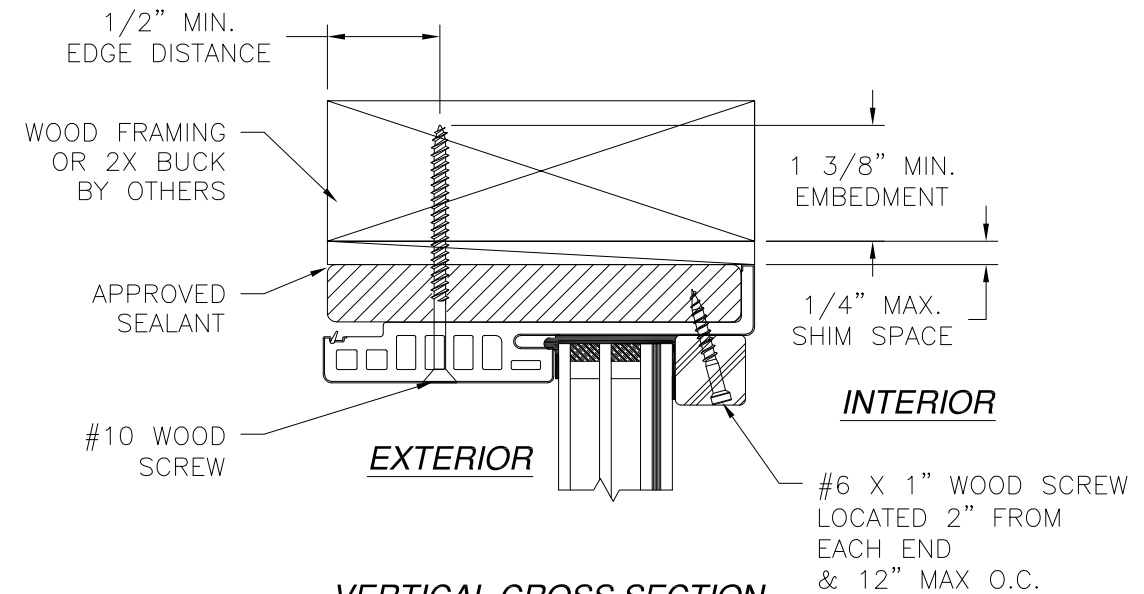
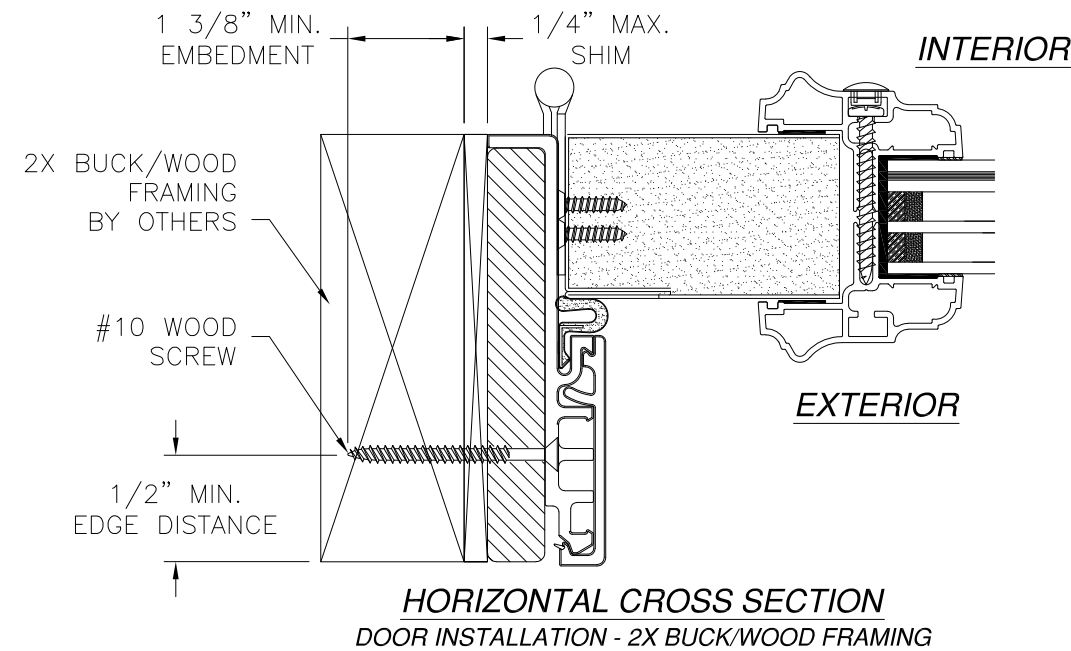
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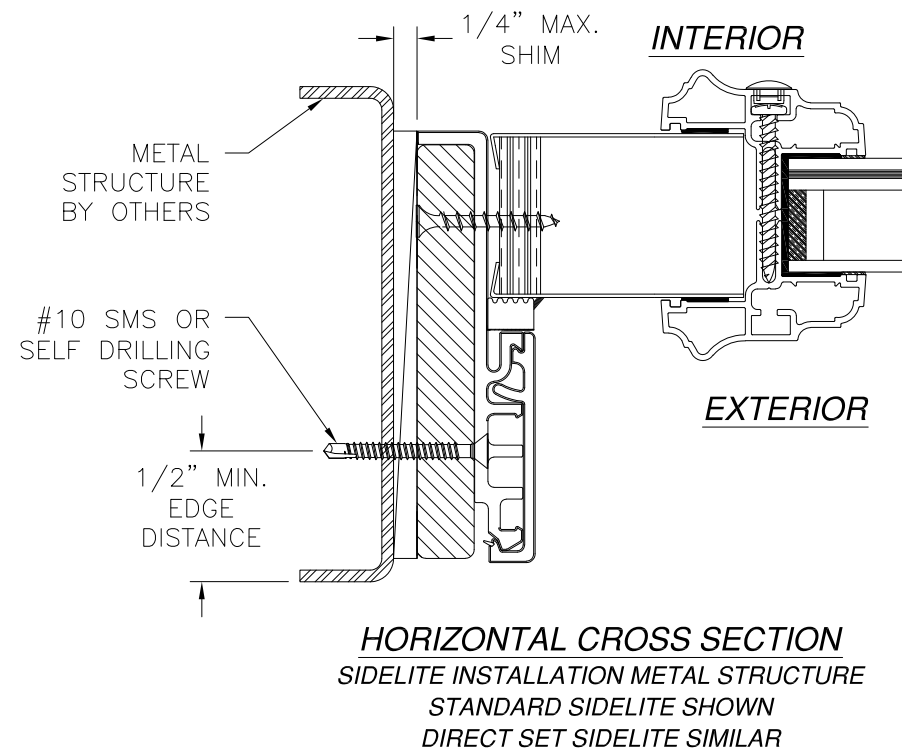
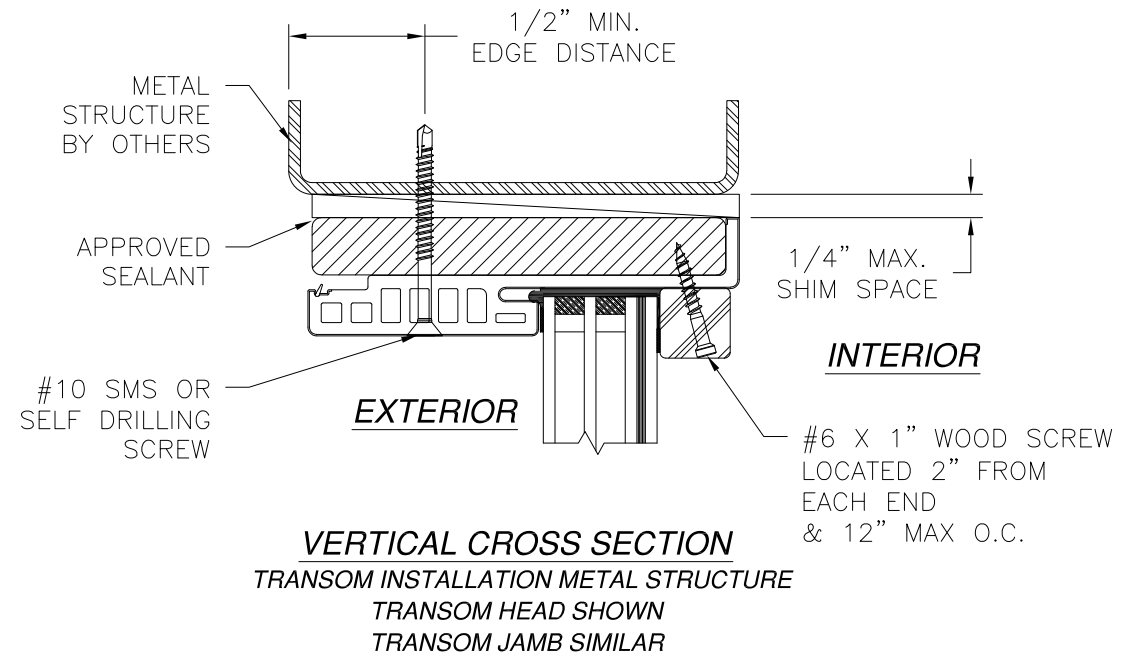
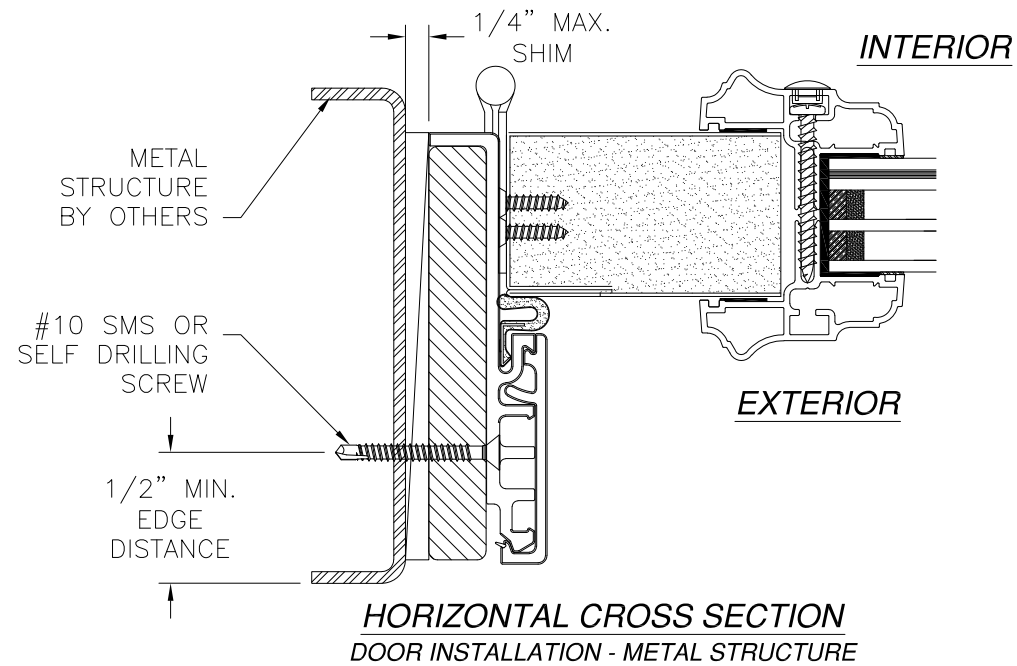
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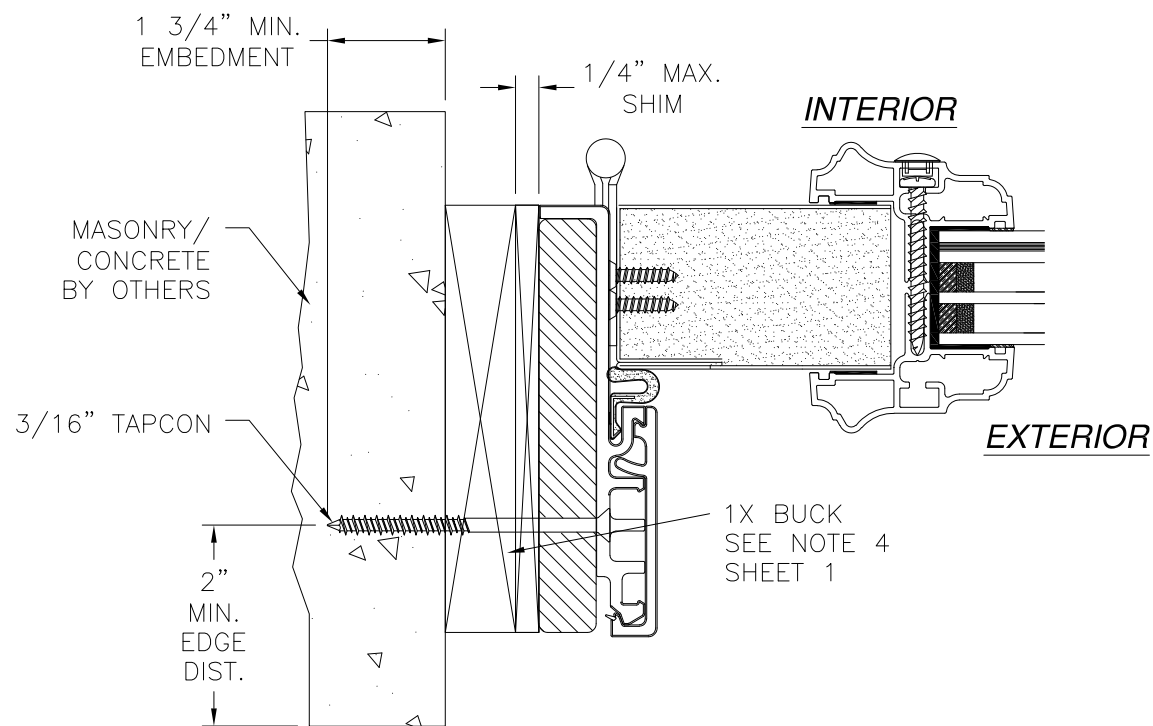
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SIGNED: 08/27/2024

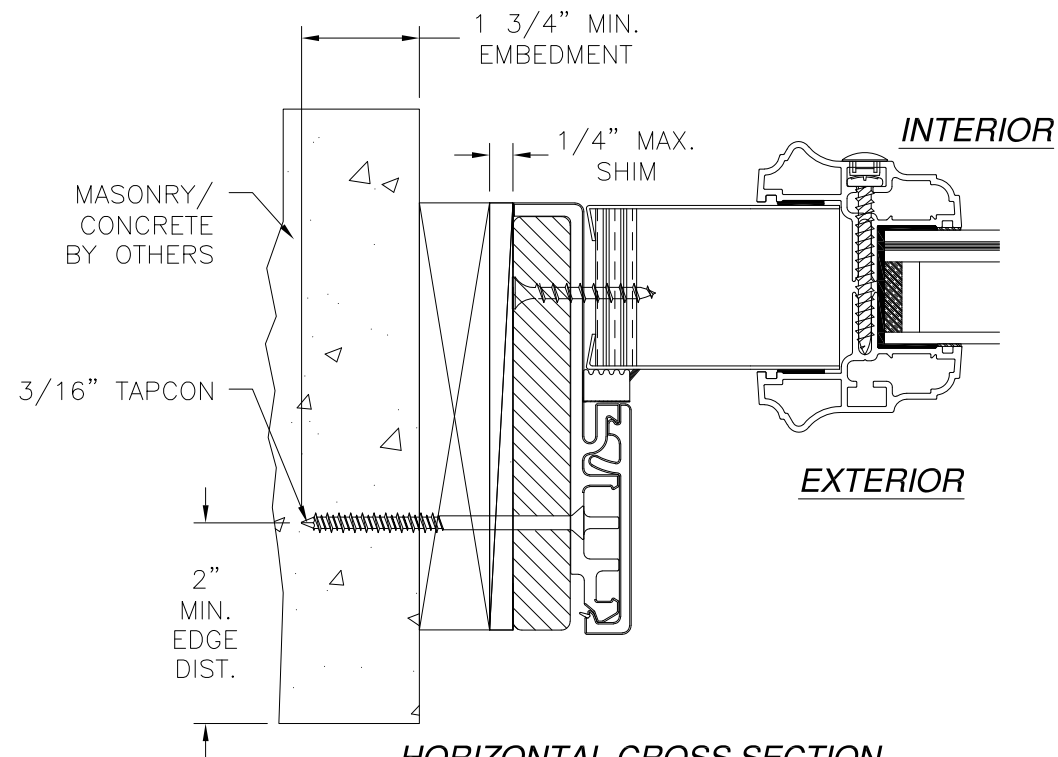
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES & TRANSOM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 9 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.

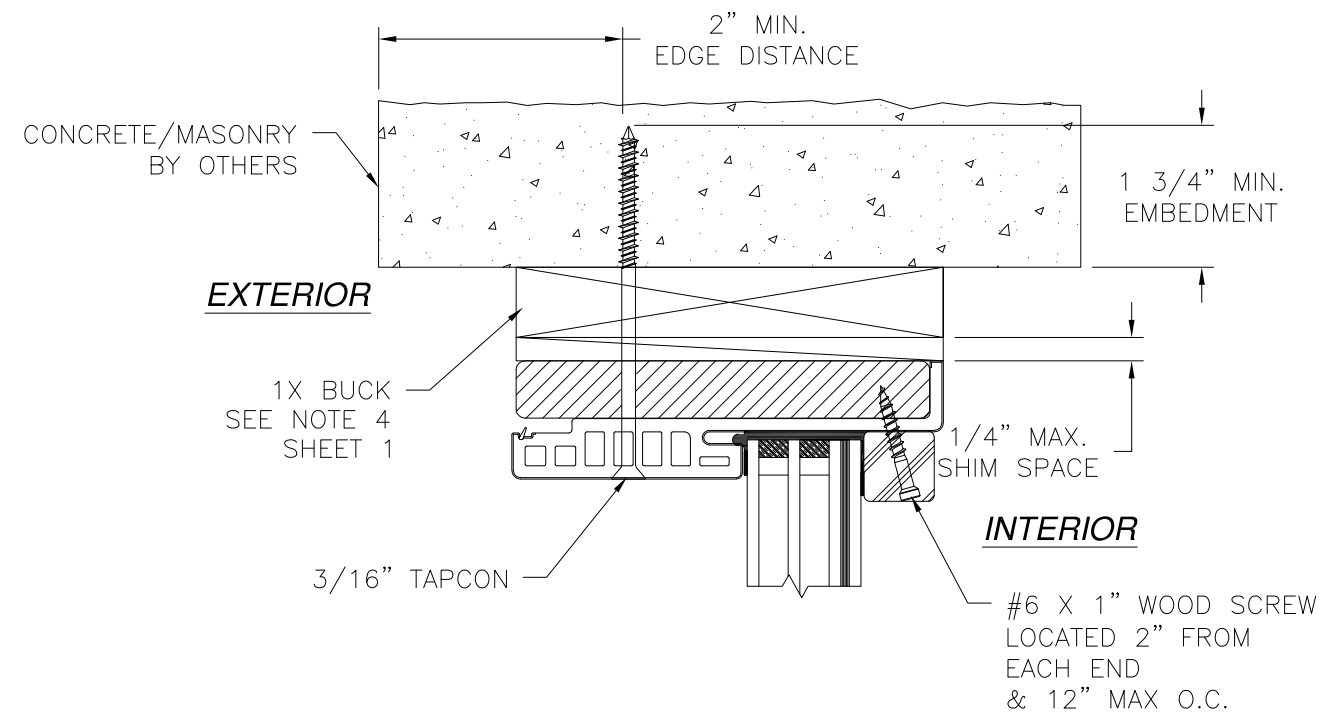


HORIZONTAL CROSS SECTION
DOOR INSTALLATION - MASONRY/CONCRETE



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

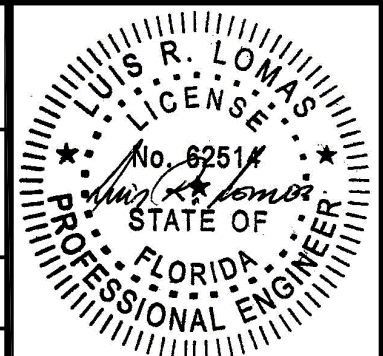
- NOTES:
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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



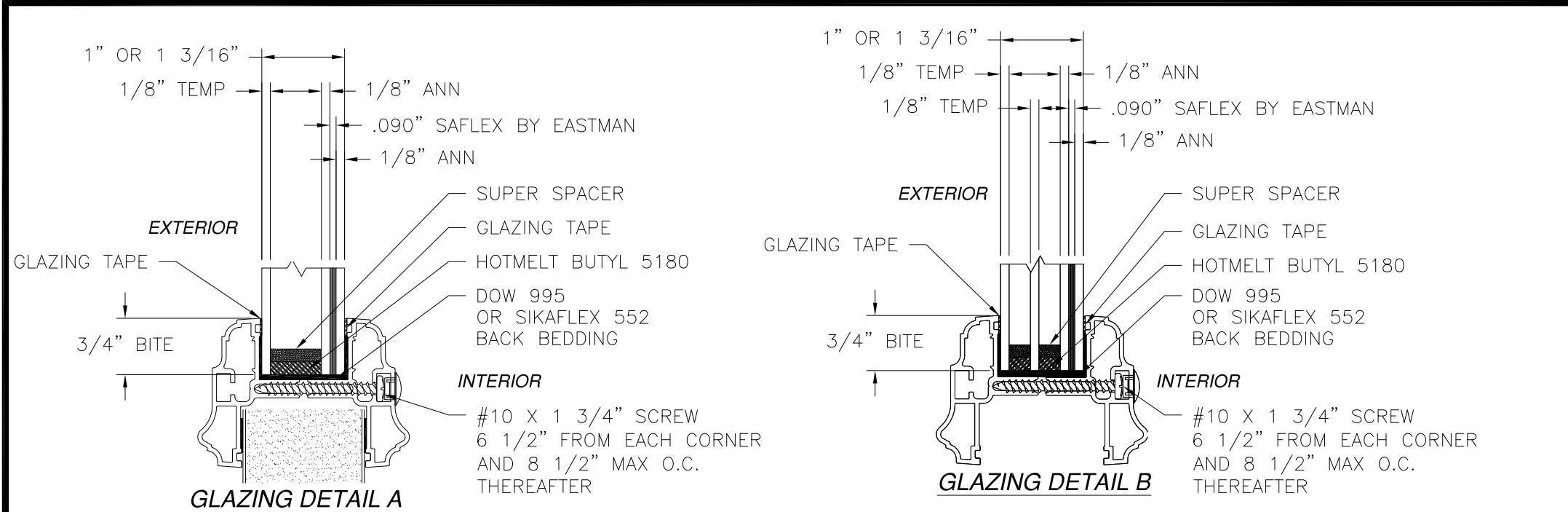
VERTICAL CROSS SECTION
TRANSOM INSTALLATION MASONRY/CONCRETE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

SIGNED: 08/27/2024

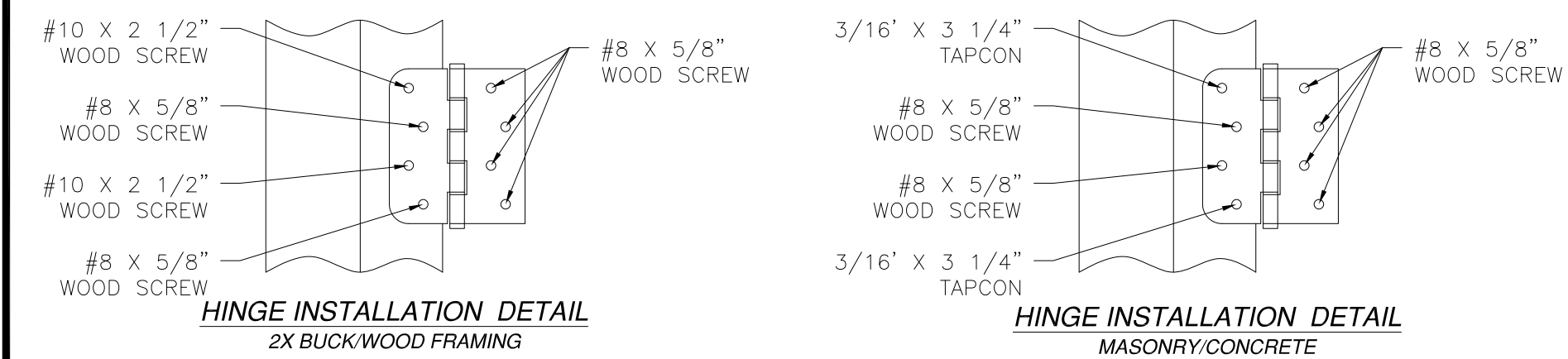
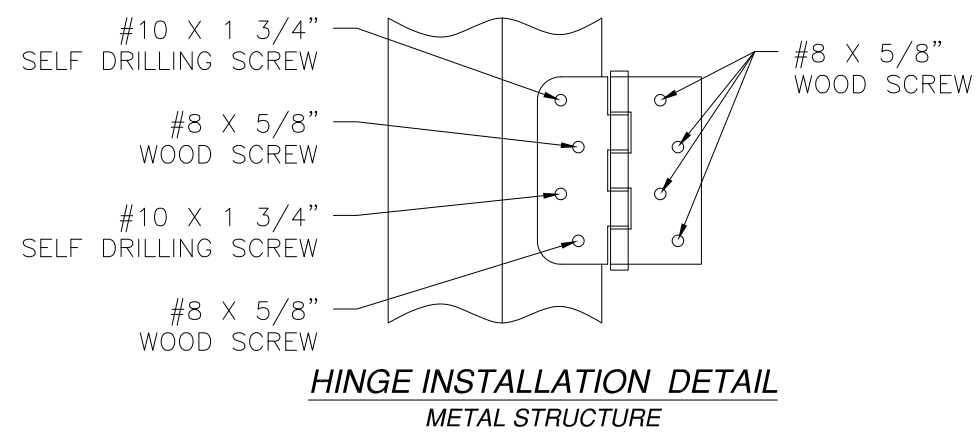
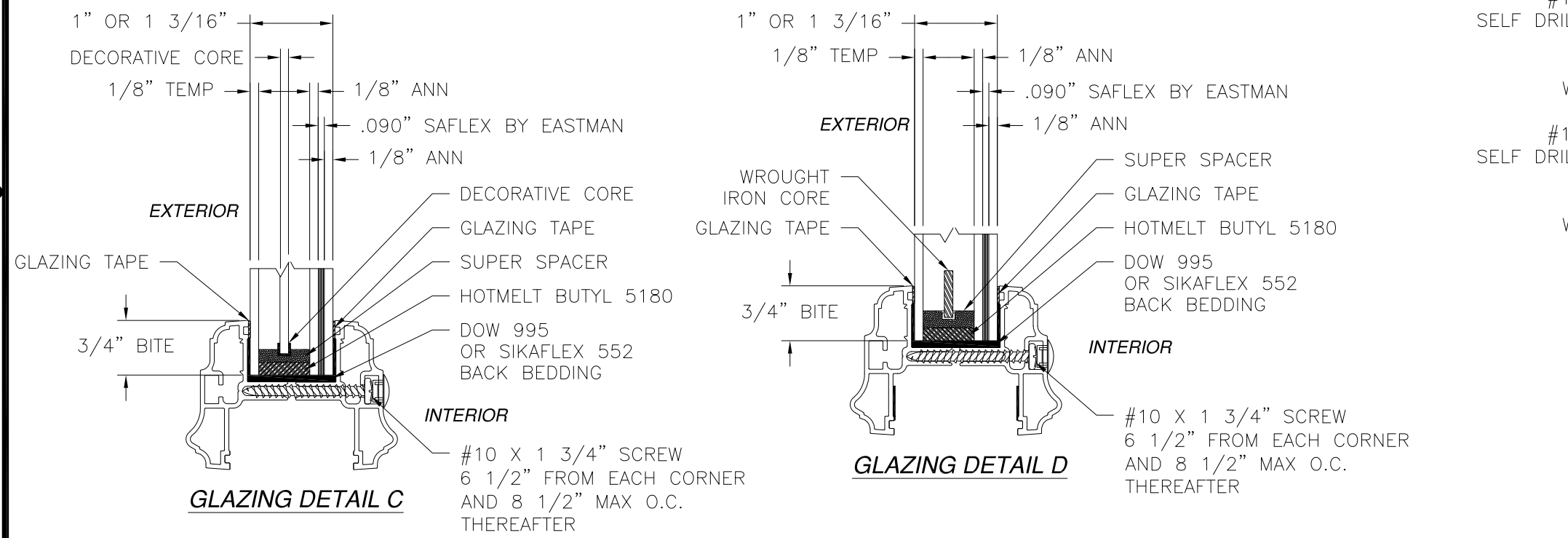
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES & TRANSOM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 10 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



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

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
GLAZING AND HINGES DETAILS

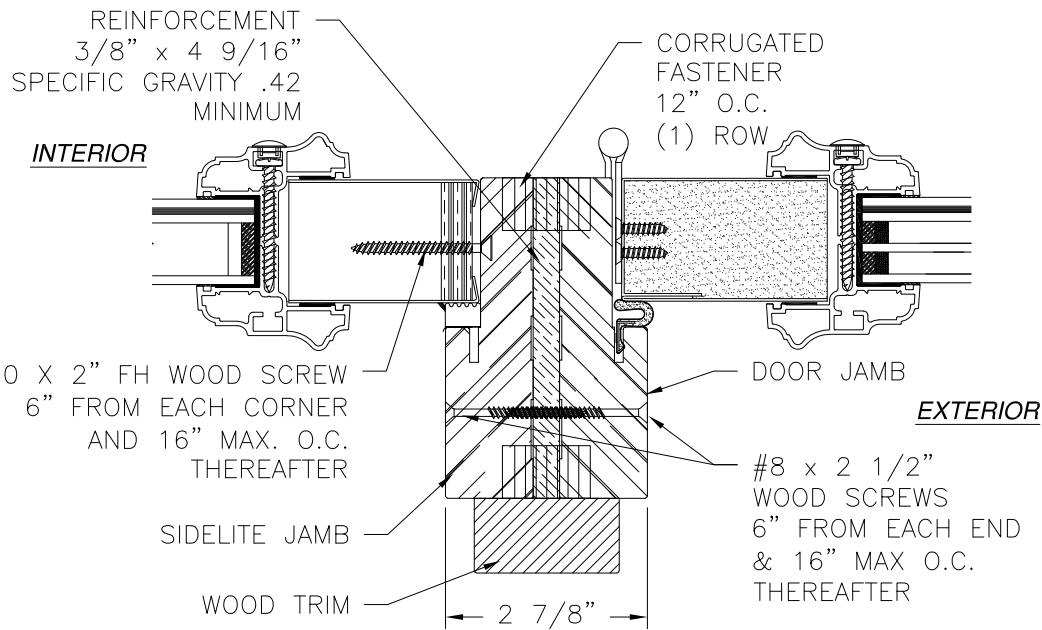
DRAWN: V.L. DWG NO. 08-01965 REV I

SCALE NTS DATE 04/22/13 SHEET 11 OF 15

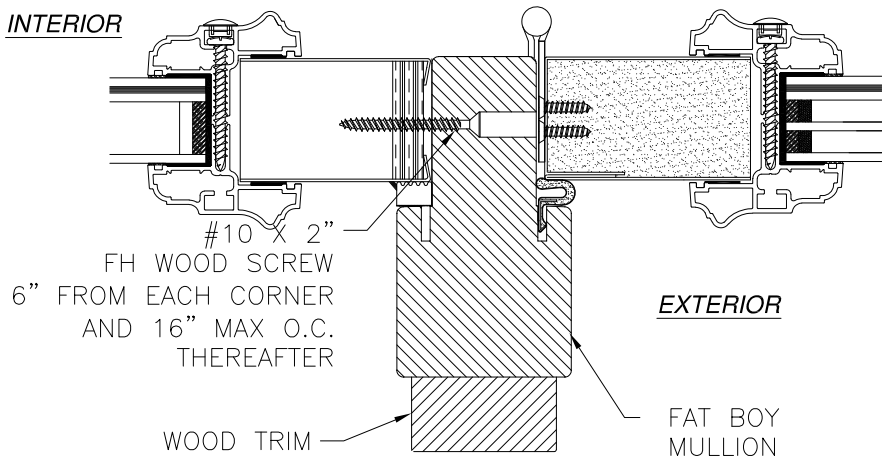
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

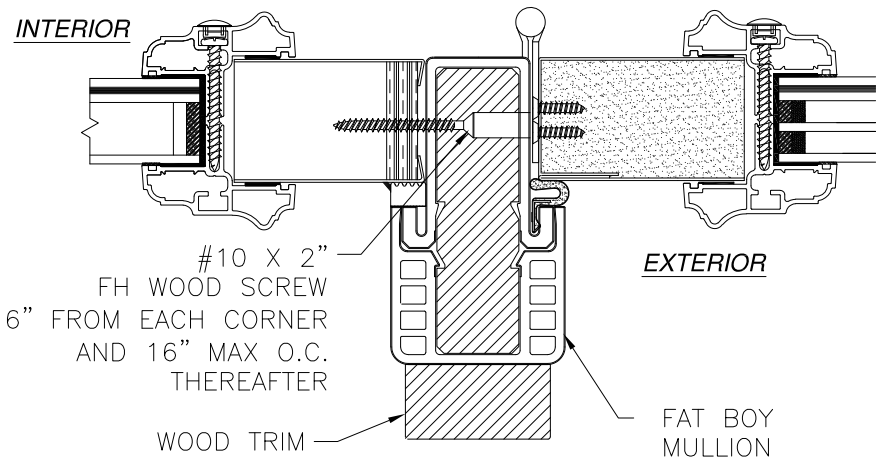
Luis R. Lomas P.E.
FL No.: 62514



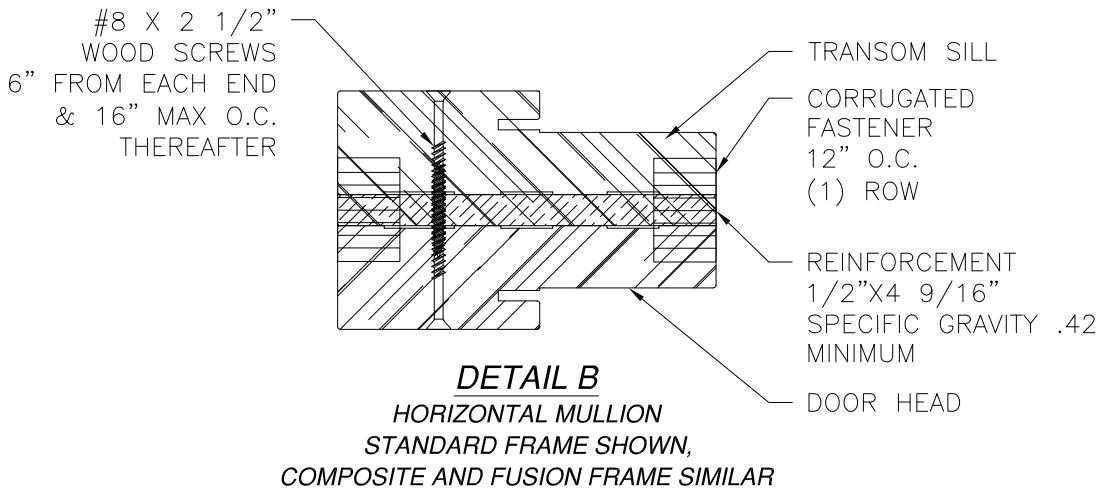
DETAIL A
VERTICAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



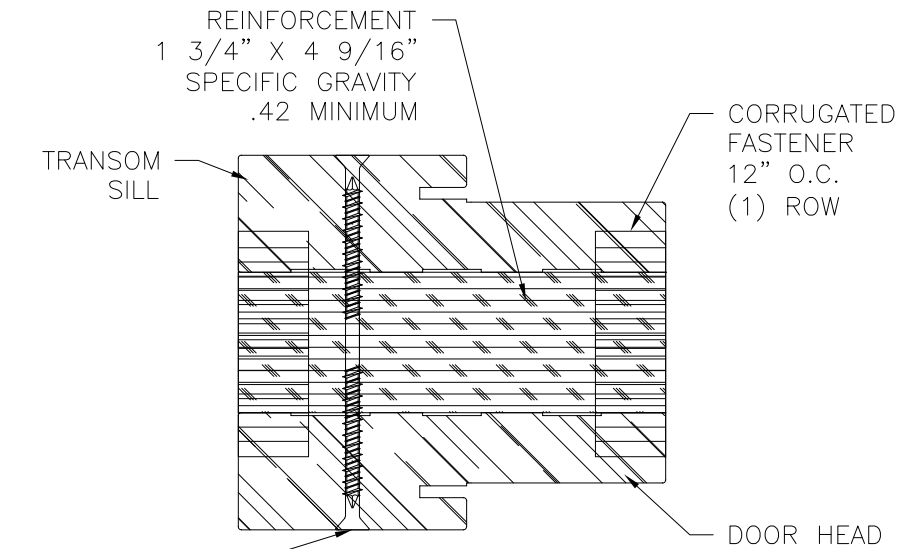
DETAIL C
WITH FAT BOY MULLION



DETAIL C
WITH HYBRID FAT BOY MULLION



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



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.

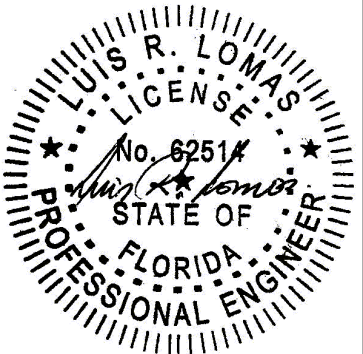
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM – IMPACT
MULLION DETAILS

DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 12 OF 15

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

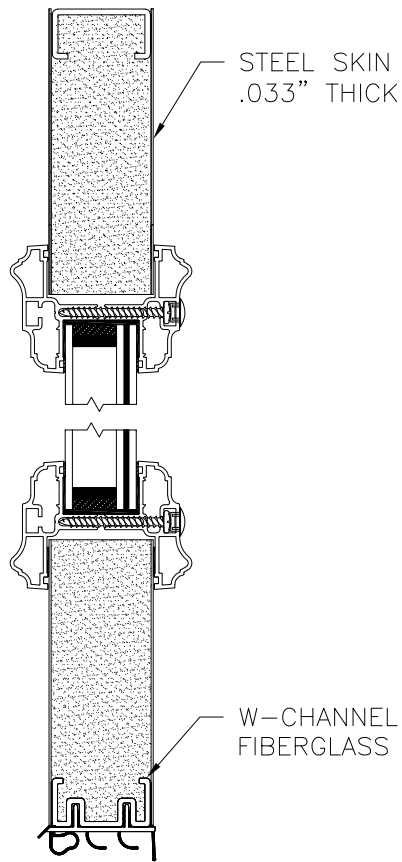
SIGNED: 08/27/2024



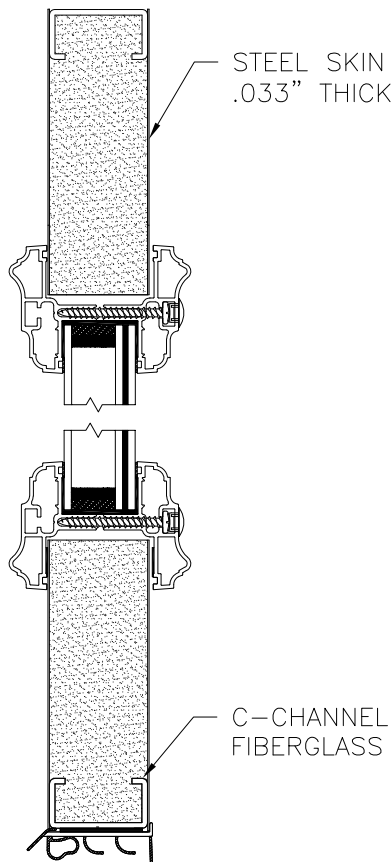
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

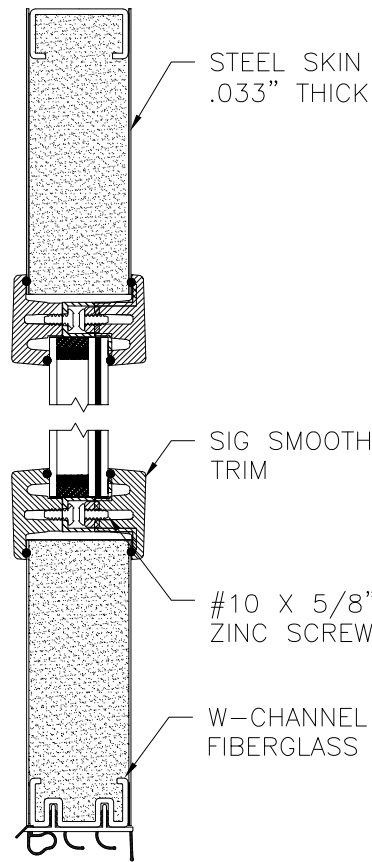
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



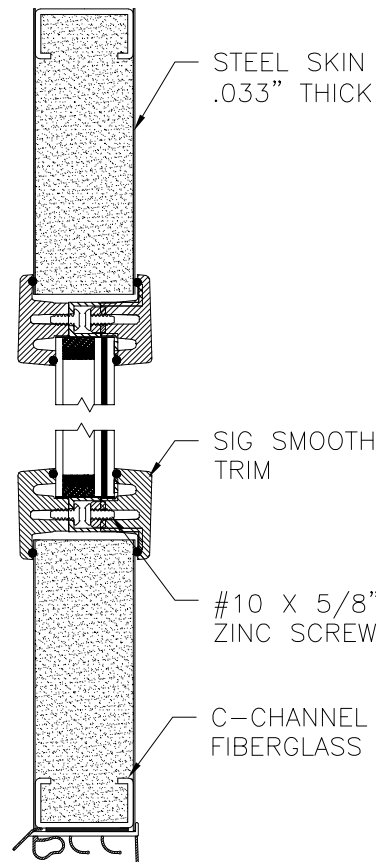
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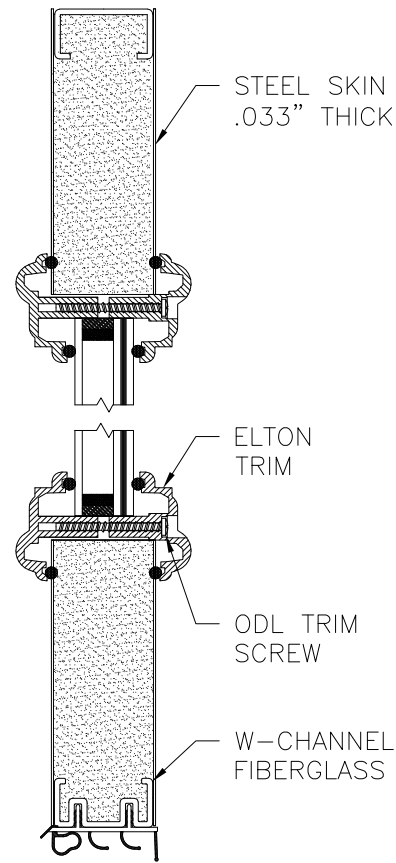
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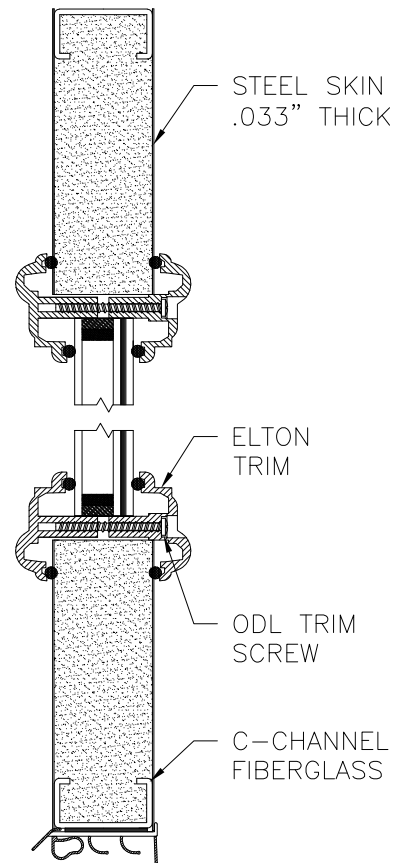
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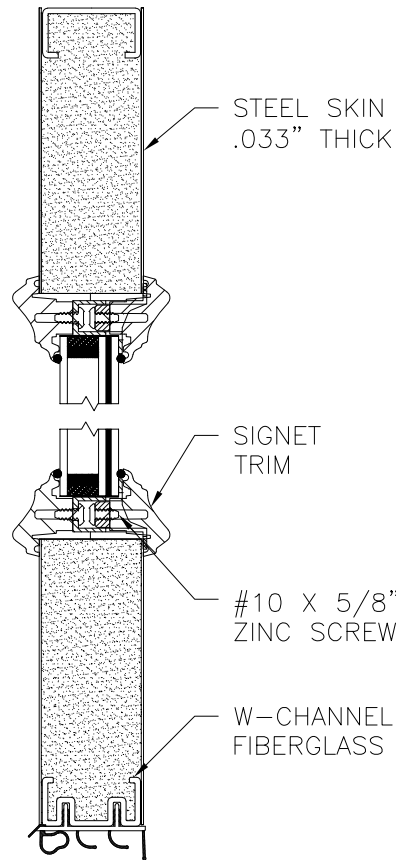
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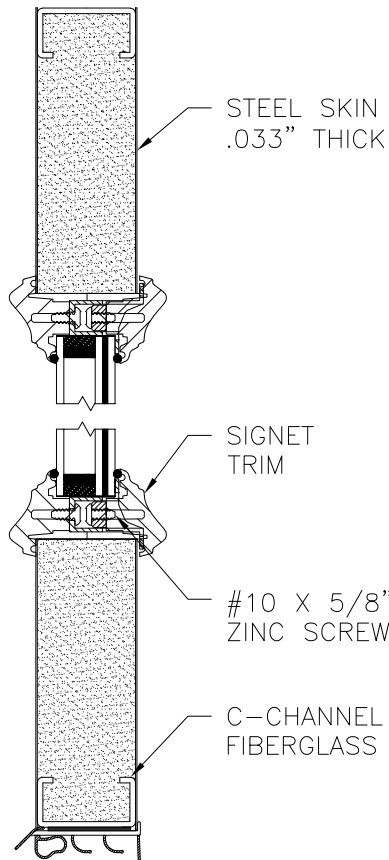
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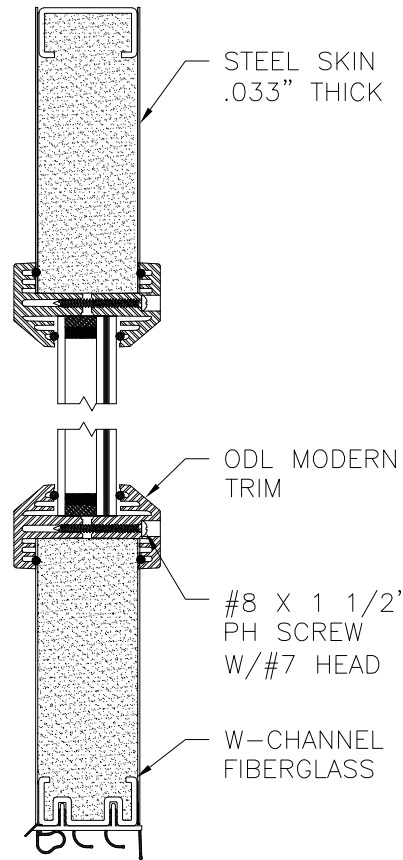
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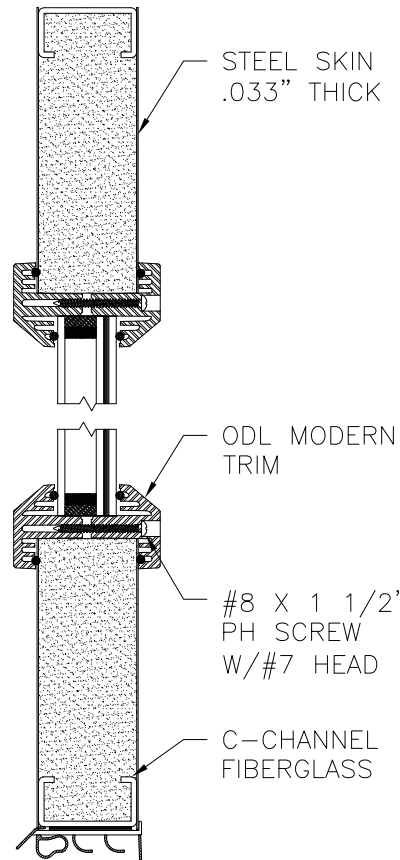
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PANEL OPTION 6



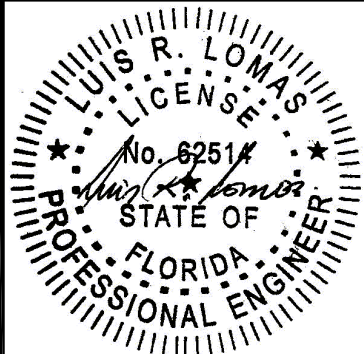
PANEL OPTION 7



PANEL OPTION 8

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES & TRANSOM - IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 13 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

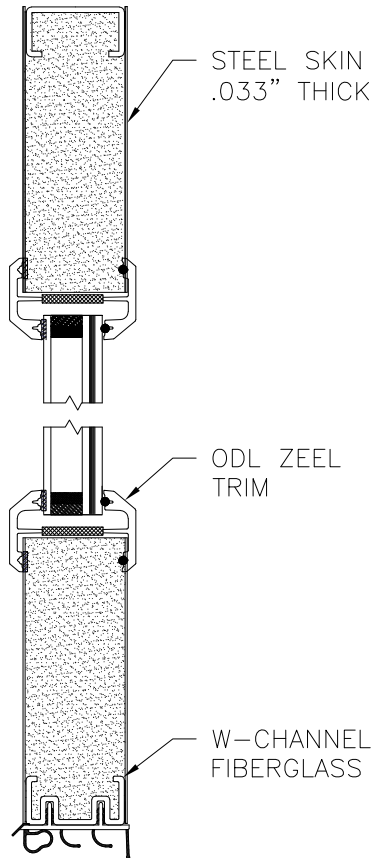
SIGNED: 08/27/2024



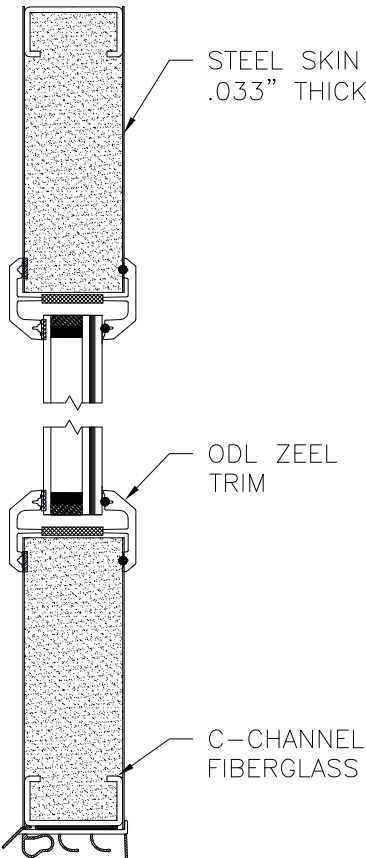
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

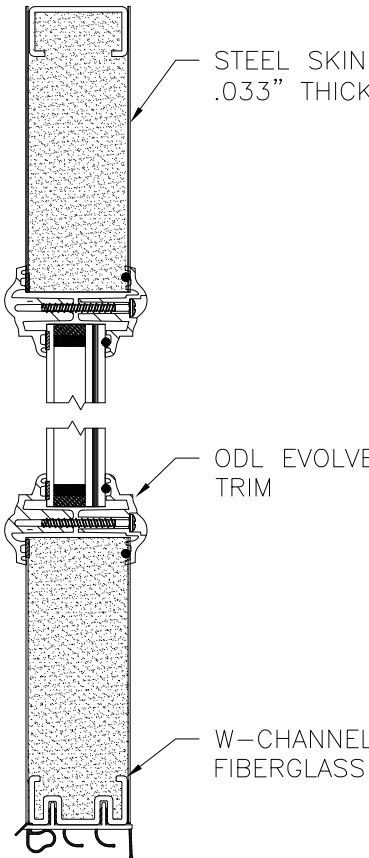
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



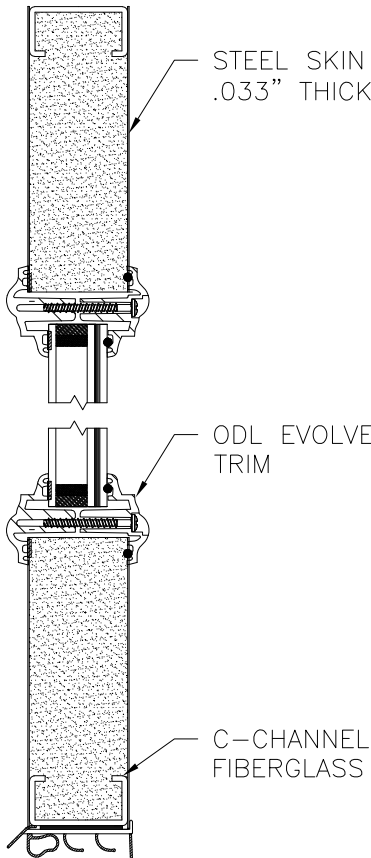
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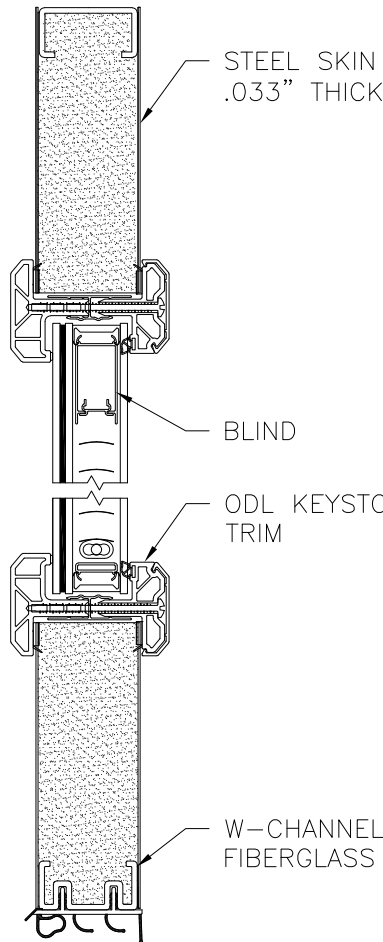
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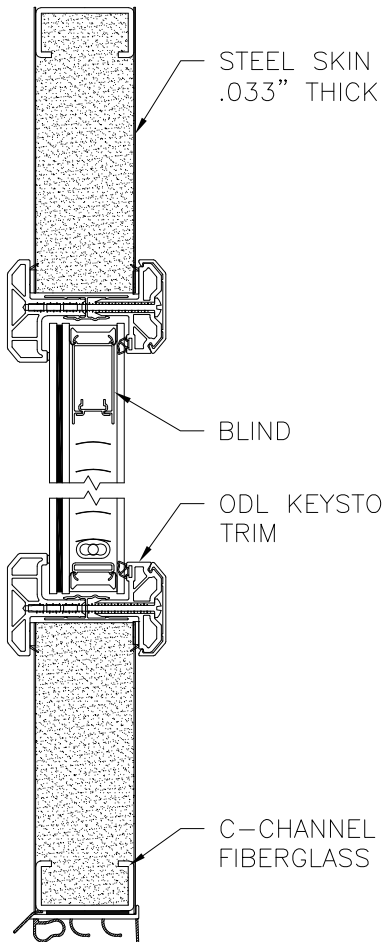
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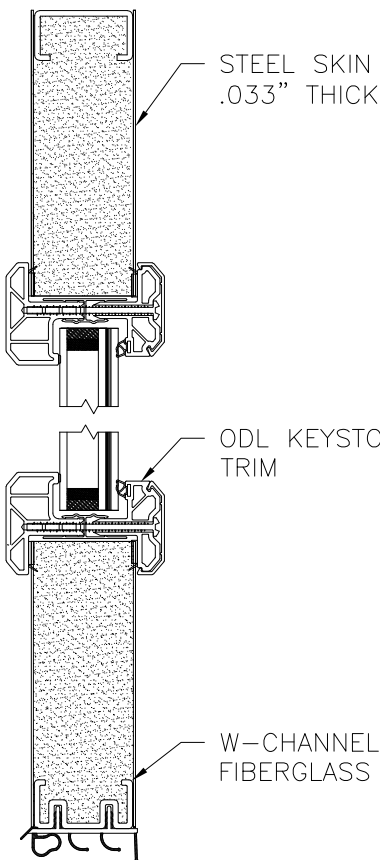
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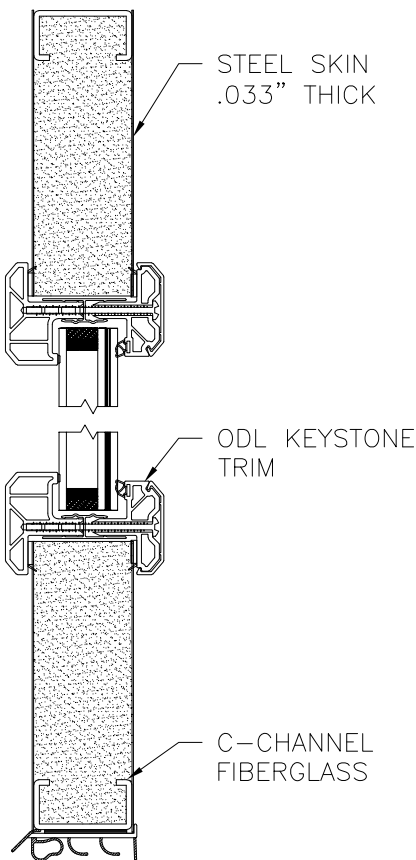
PANEL OPTION 15



PANEL OPTION 16



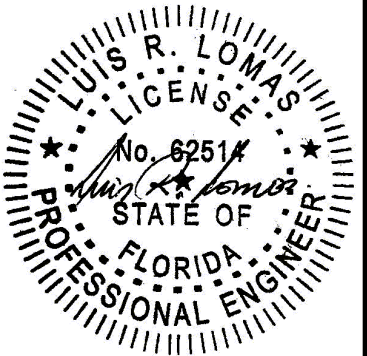
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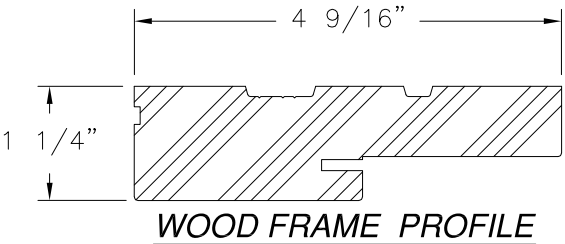
PANEL OPTION 18

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED SINGLE DOOR W/SIDELITES & TRANSOM - IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-01965	REV I
SCALE NTS	DATE 04/22/13	SHEET 14 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

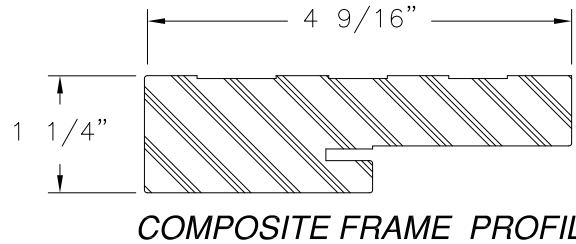
SIGNED: 08/27/2024



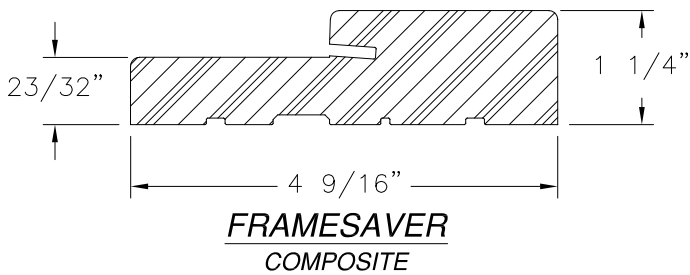
Luis R. Lomas P.E.
FL No.: 62514



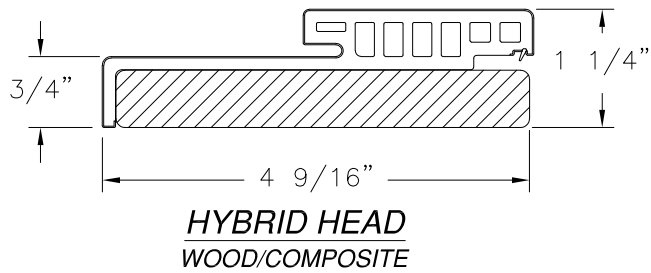
WOOD FRAME PROFILE



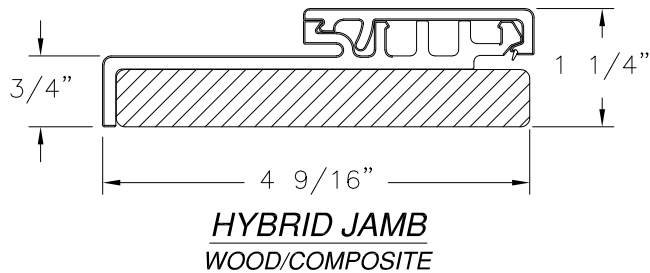
COMPOSITE FRAME PROFILE



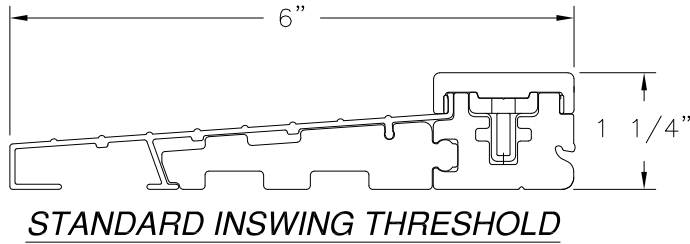
FRAMESAVER
COMPOSITE



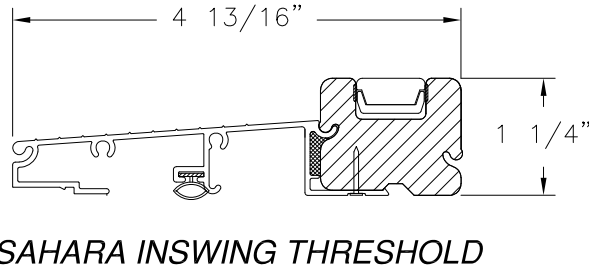
HYBRID HEAD
WOOD/COMPOSITE



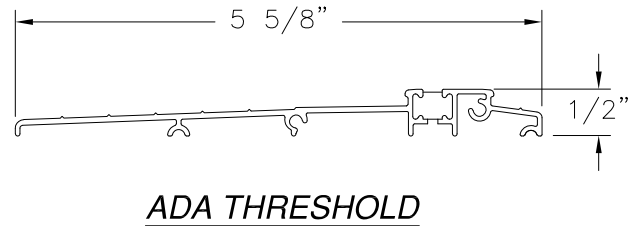
HYBRID JAMB
WOOD/COMPOSITE



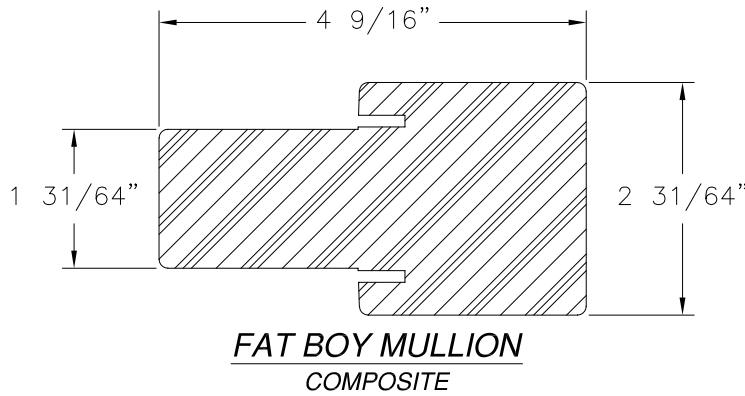
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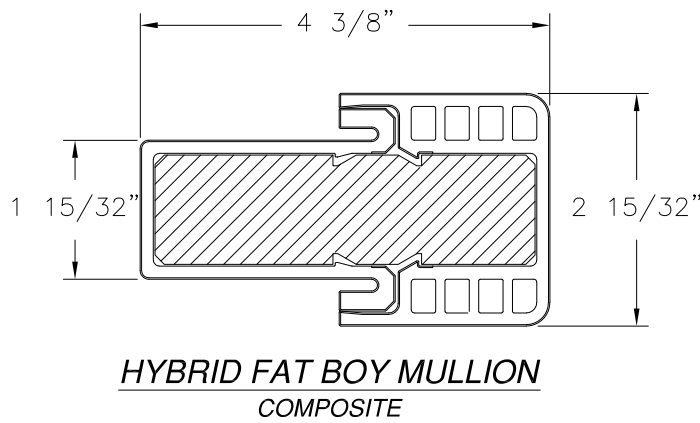
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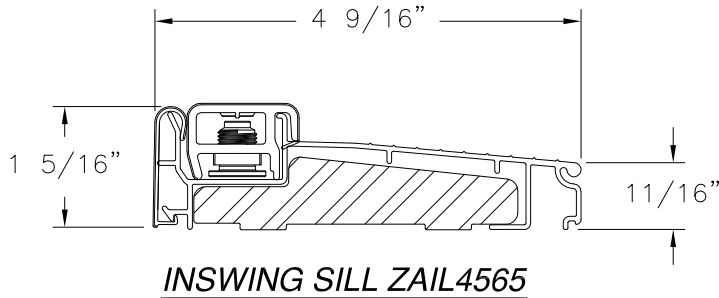
ADA THRESHOLD



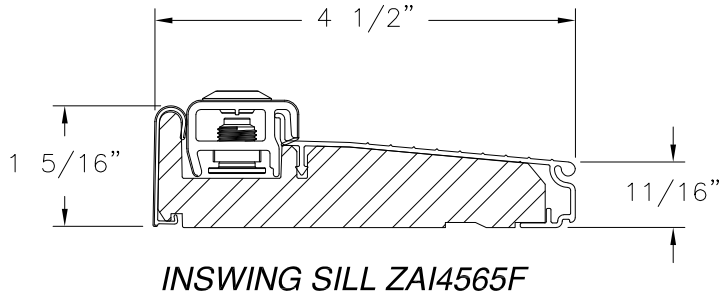
FAT BOY MULLION
COMPOSITE



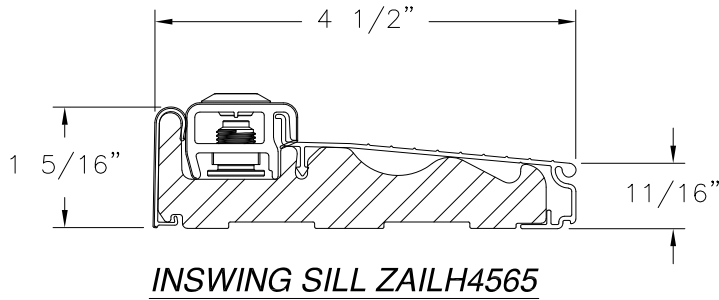
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COMPOSITE



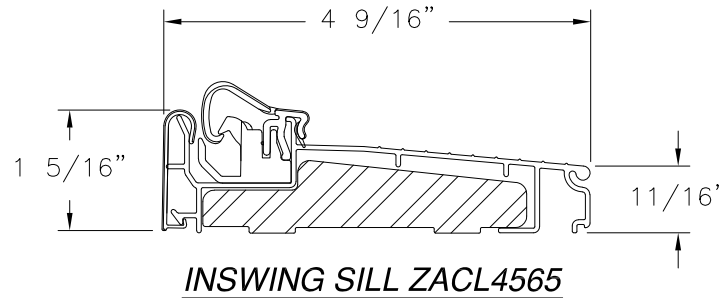
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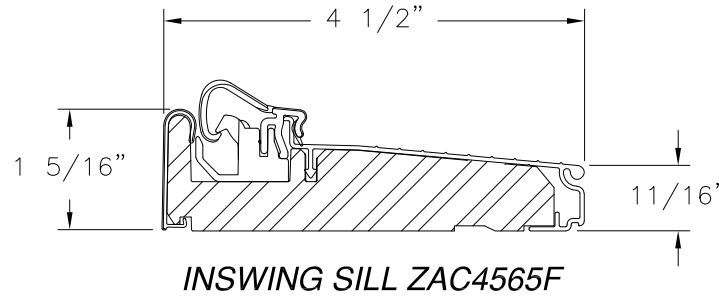
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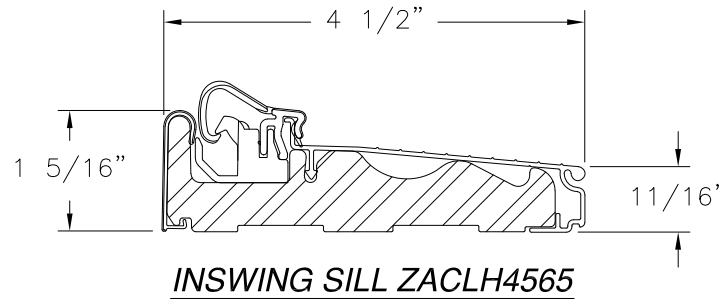
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INSWING SILL ZACL4565



INSWING SILL ZAC4565F



INSWING SILL ZACLH4565

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.

SIGNED: 08/27/2024

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

STEEL INSWING GLAZED SINGLE DOOR
W/SIDELITES & TRANSOM – IMPACT
COMPONENTS

DRAWN:
V.L.

DWG NO.
08-01965

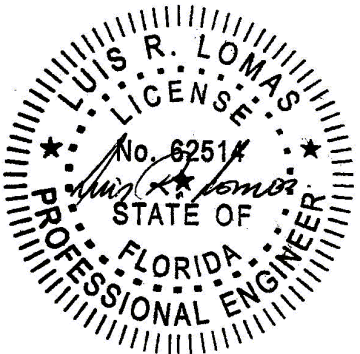
REV
I

SCALE NTS

DATE 04/22/13

SHEET 15 OF 15

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
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