

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	ADDED TRIMS & 5180 HOT MELT BUTYL	08/24/2021	R.L.

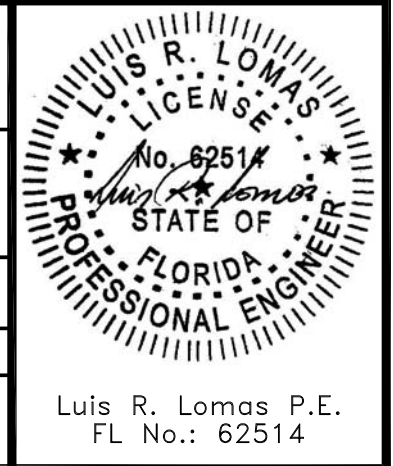
NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 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.
- 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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.
- 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.
- 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)
- SIDELITES AND TRANSOM MUST BE GLAZED PER ASTM E1300, SEE SHEET 11 FOR GLASS DETAILS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
- 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".
- 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.
- 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.
- 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.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- 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:
 - WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
- DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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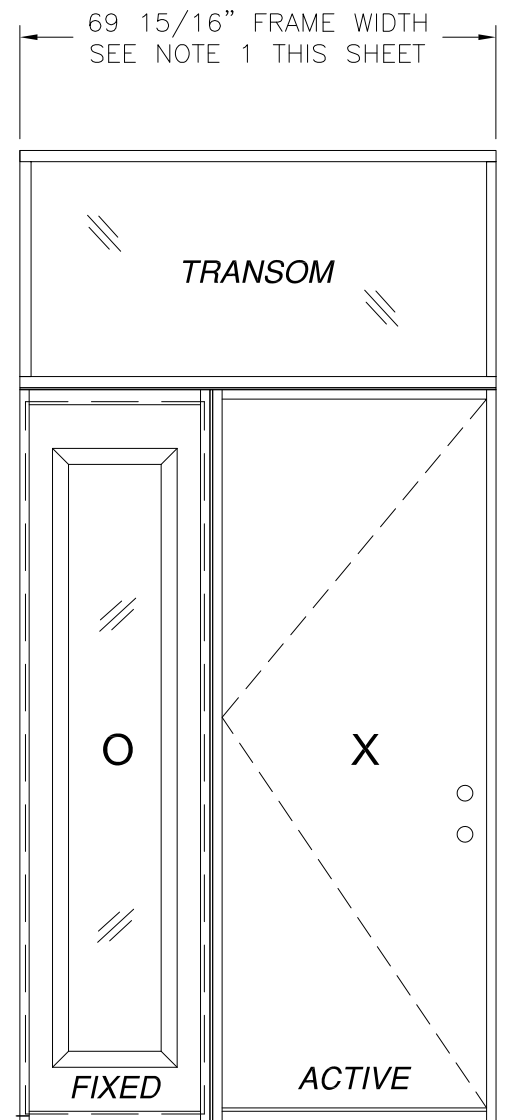
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11	GLAZING DETAILS
12 – 16	APPROVED SLABS, MULLION DETAILS AND COMPONENTS

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES & TRANSOM – IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 1 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

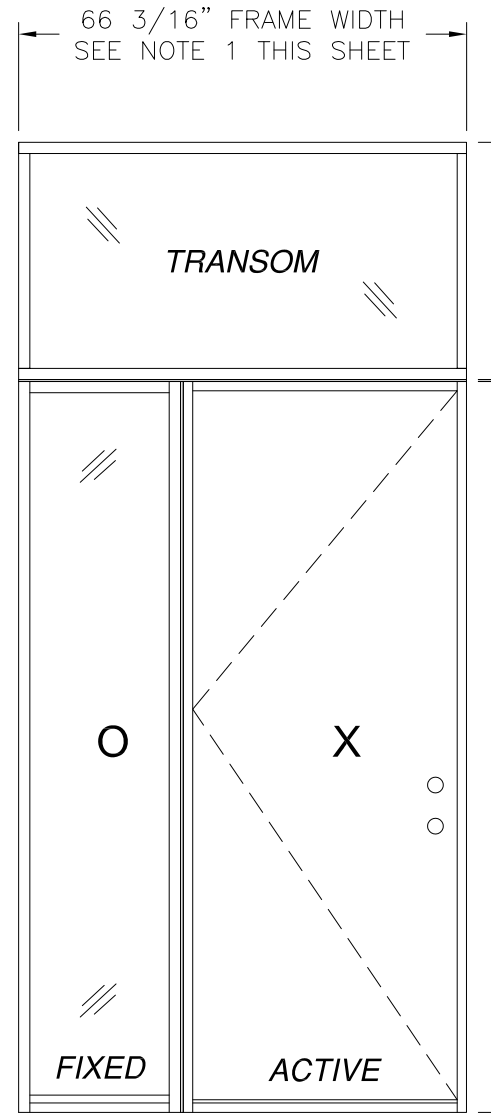


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1/2" MULLION MINIMUM
SEE NOTE 3 THIS SHEET & DETAILS B & C SHEET 15



1/2" MULLION MINIMUM
SEE NOTE 3 THIS SHEET & DETAILS B & C SHEET 15

- NOTES:
1. MAXIMUM ALLOWED BUILDUP 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.

SINGLE DOOR W/ STD SIDELITE AND TRANSOM
EXTERIOR VIEW
OX SHOWN XO ALSO APPROVED

SINGLE DOOR W/ DIRECT SET 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

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

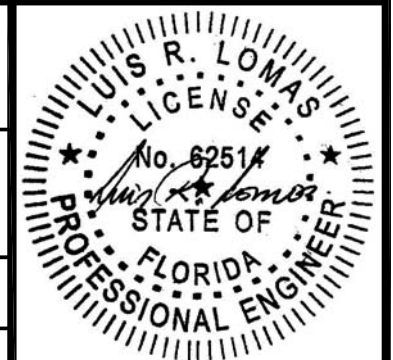
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
ELEVATIONS

DRAWN: N.G.	DWG NO. 08-02037	REV H
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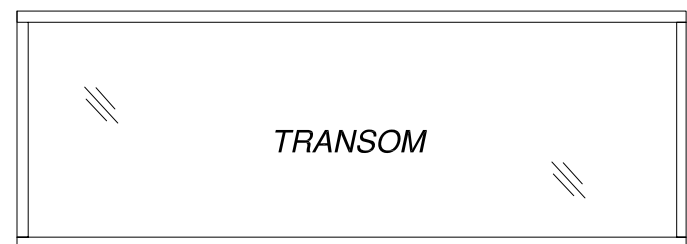
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94 5/16" FRAME WIDTH
SEE NOTE 1 THIS SHEET



24" FRAME HEIGHT

1 3/4" MULLION MINIMUM
SEE DETAIL D
SHEET 15

97 19/32" FRAME HEIGHT

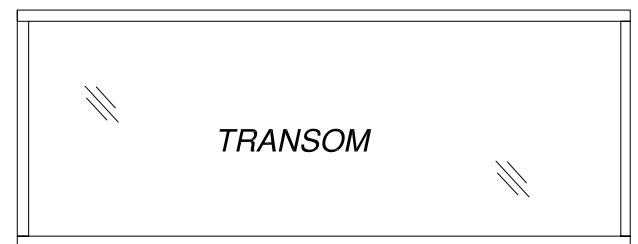
25 3/8" FRAME WIDTH
37 9/16" FRAME WIDTH
25 3/8" FRAME WIDTH

3/8" MULLION MINIMUM
SEE NOTES 1 AND 2
THIS SHEET & DETAILS A & C
SHEET 15

3/8" MULLION MINIMUM
SEE NOTES 1 AND 2
THIS SHEET & DETAILS A & C
SHEET 15

SINGLE DOOR W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW

86 13/16" FRAME WIDTH
SEE NOTE 1 THIS SHEET



24" FRAME HEIGHT

1 3/4" MULLION MINIMUM
SEE DETAIL D
SHEET 15

97 19/32" FRAME HEIGHT

21 5/8" FRAME WIDTH
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 15

3/8" MULLION MINIMUM
SEE NOTES 1 AND 2
THIS SHEET & DETAILS A & C
SHEET 15

SINGLE DOOR W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
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 ALLOWED BUILDUP TO BE 3" AT EACH VERTICAL MULLION.
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED

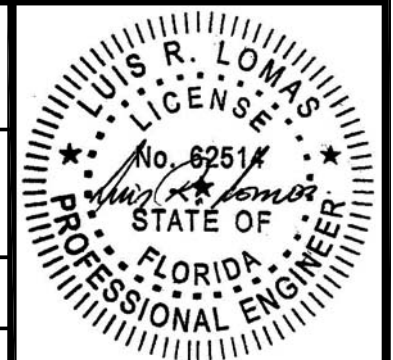
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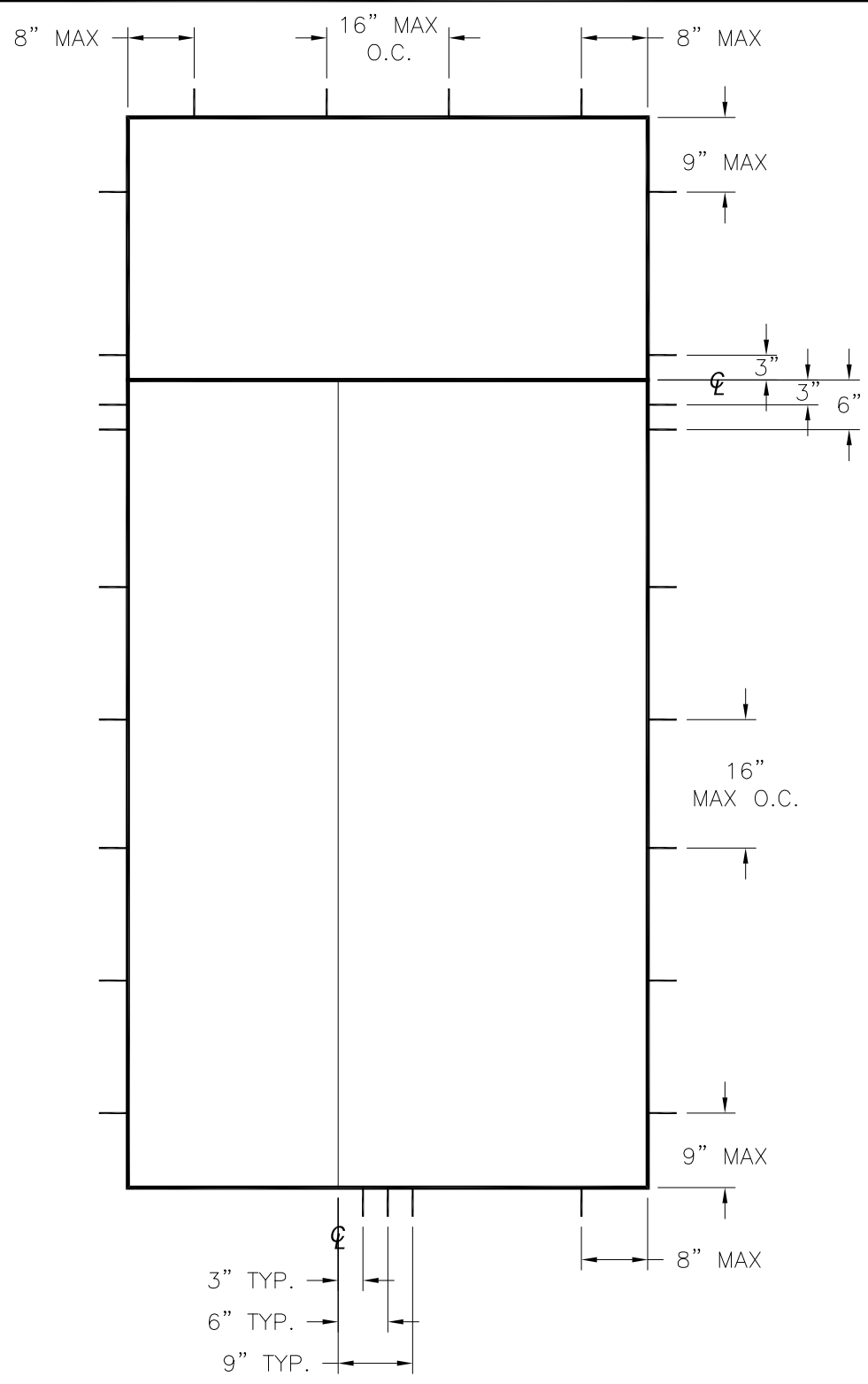
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
ELEVATIONS

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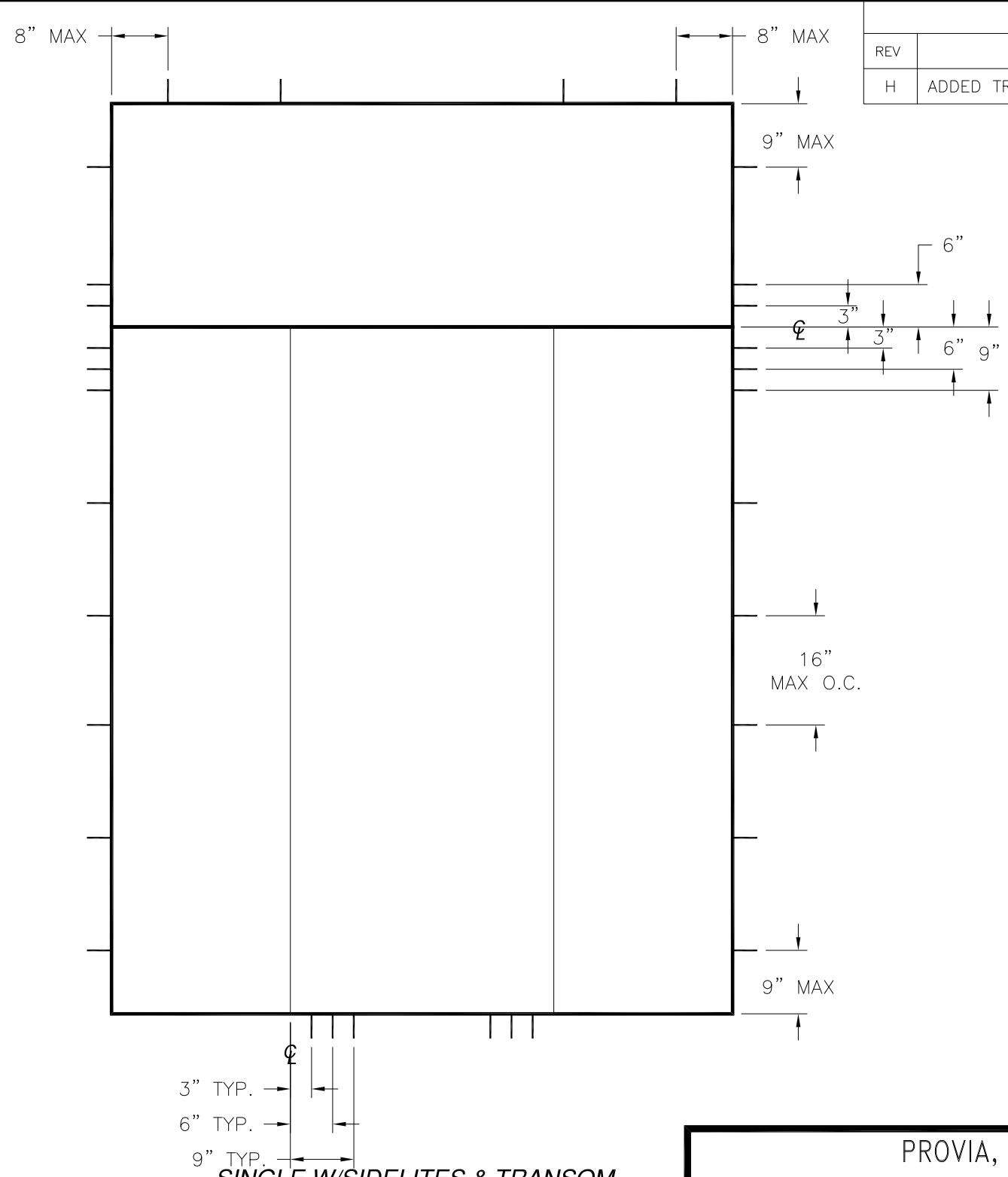
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SINGLE W/SIDELITE AND TRANSOM



SINGLE W/SIDELITES & TRANSOM
COMPOSITE/WOOD FRAME

REVISIONS			
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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.	(3) 4" x 4" BALL BEARING HINGES BY PENROD.
G.	(3) 4" x 4" SPRING BOMMER HINGES BY PENROD. (ALTERNATE)

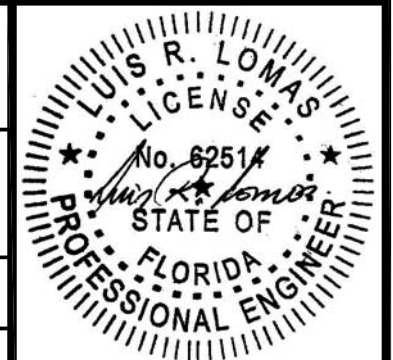
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM – IMPACT
ANCHORING LAYOUTS

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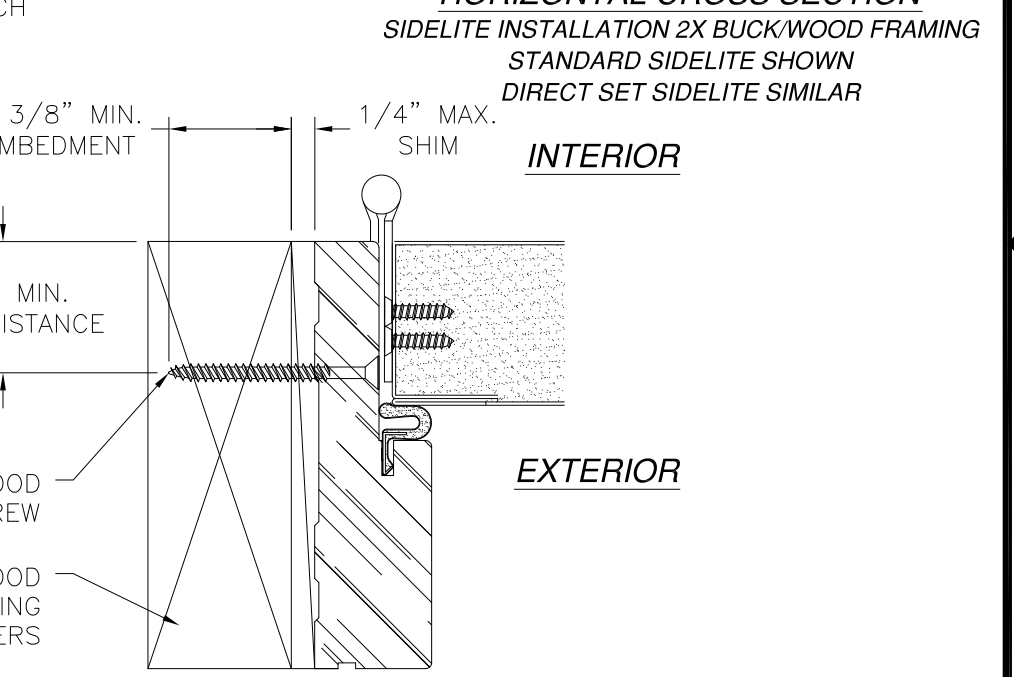
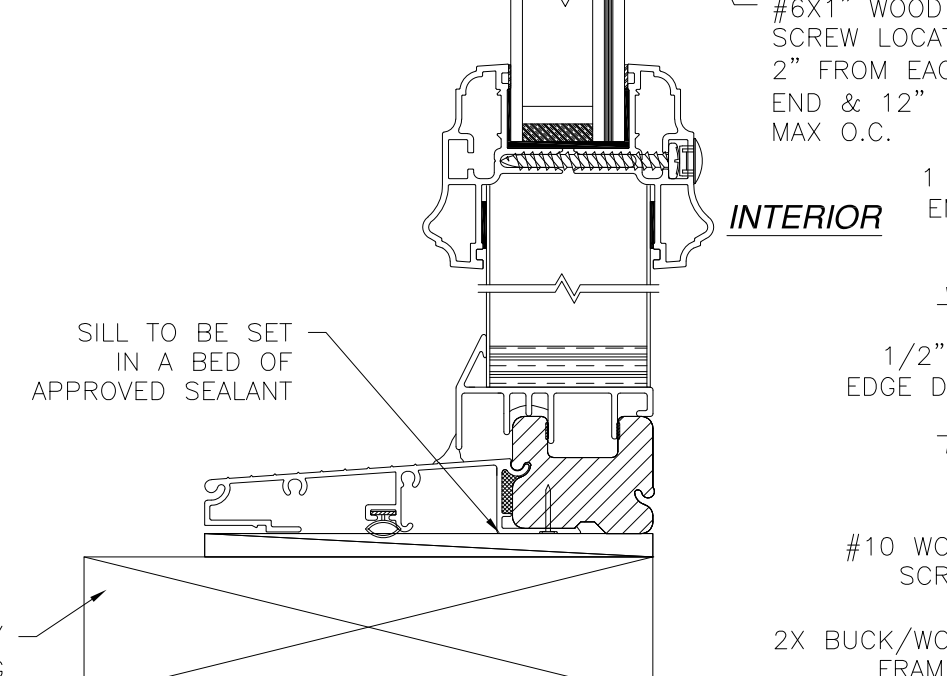
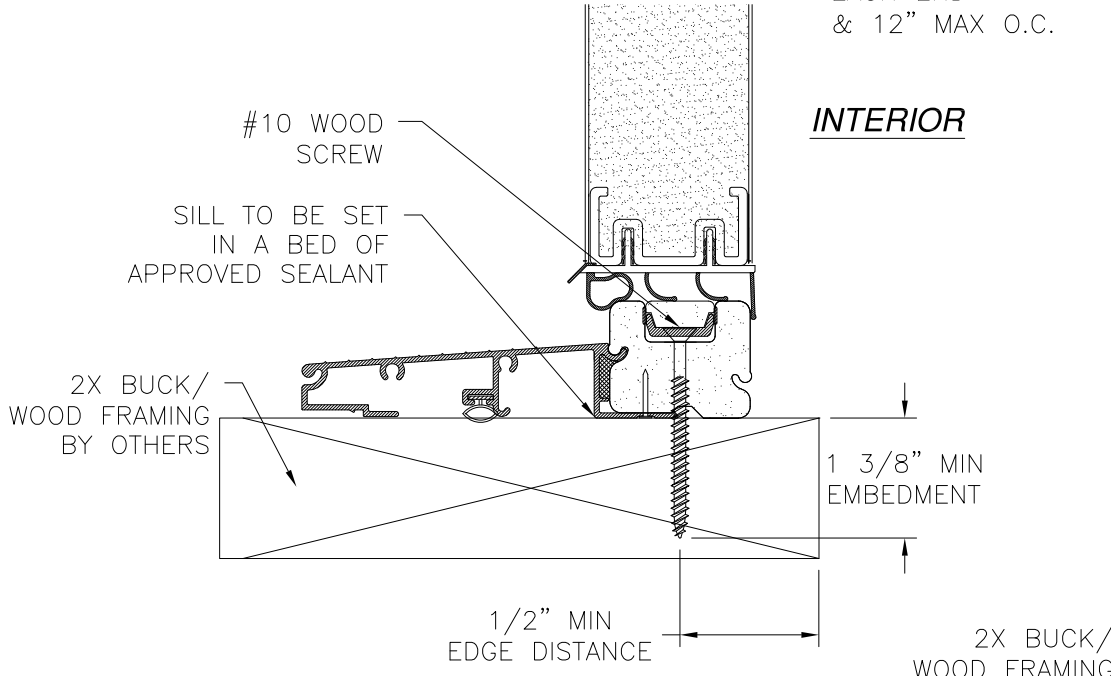
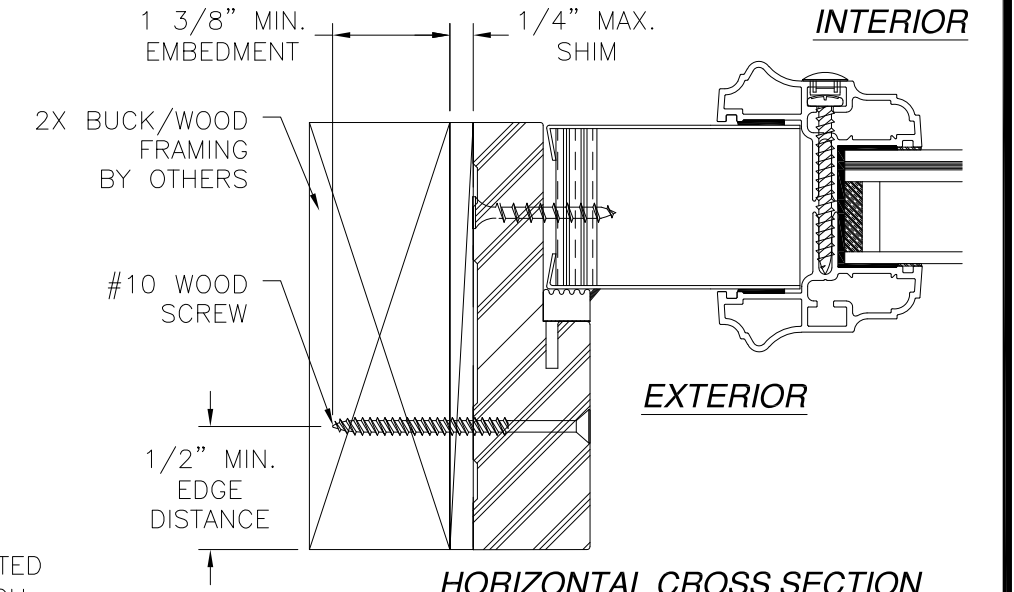
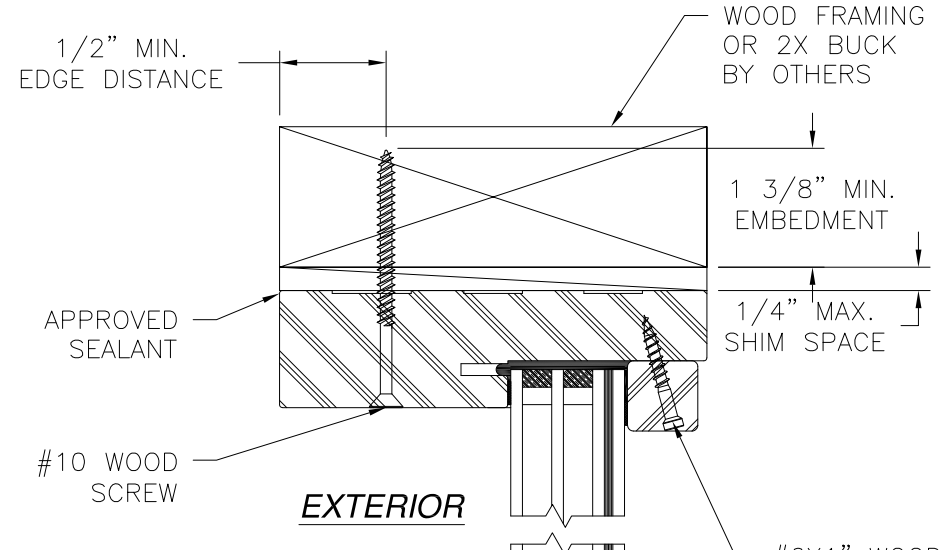
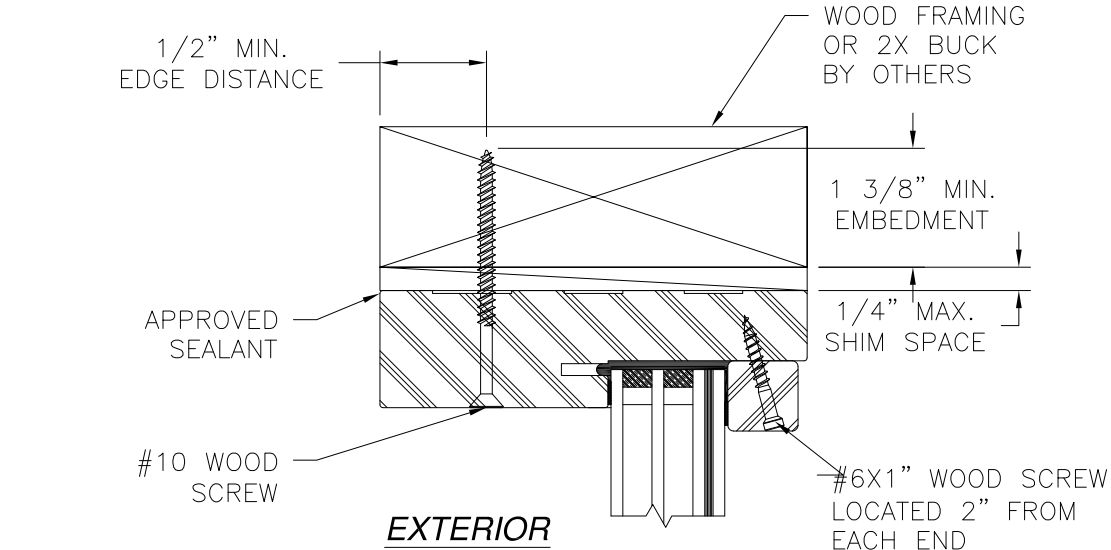
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VERTICAL CROSS SECTION
 DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR

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
 SIGNED: 09/08/2021

- 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

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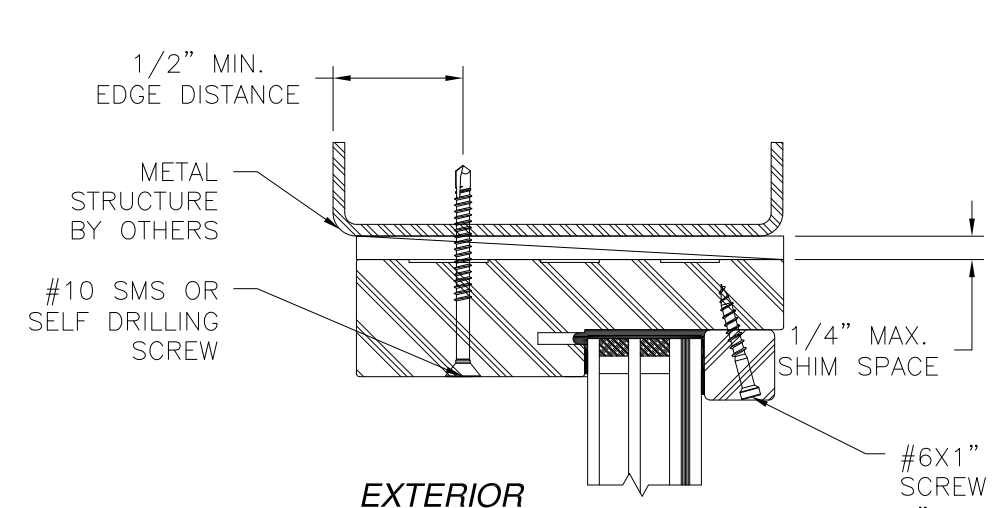
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
 W/SIDELITES & TRANSOM - IMPACT
 INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 5 OF 16

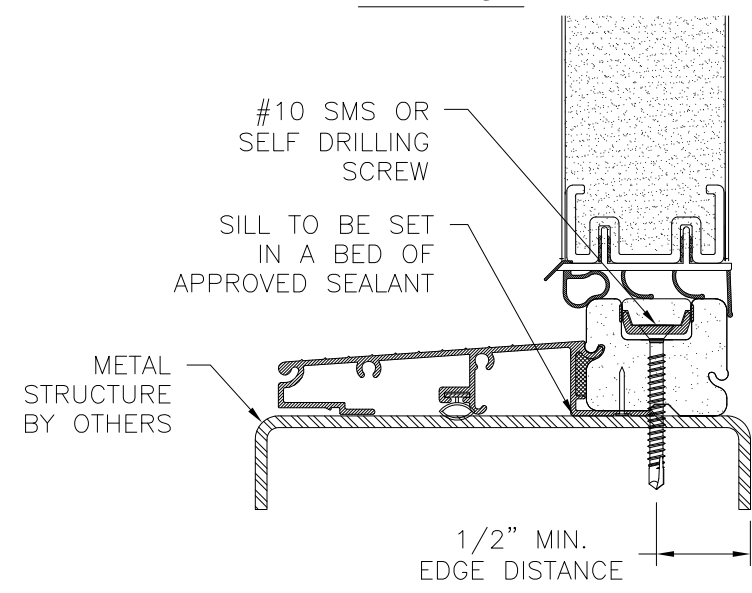
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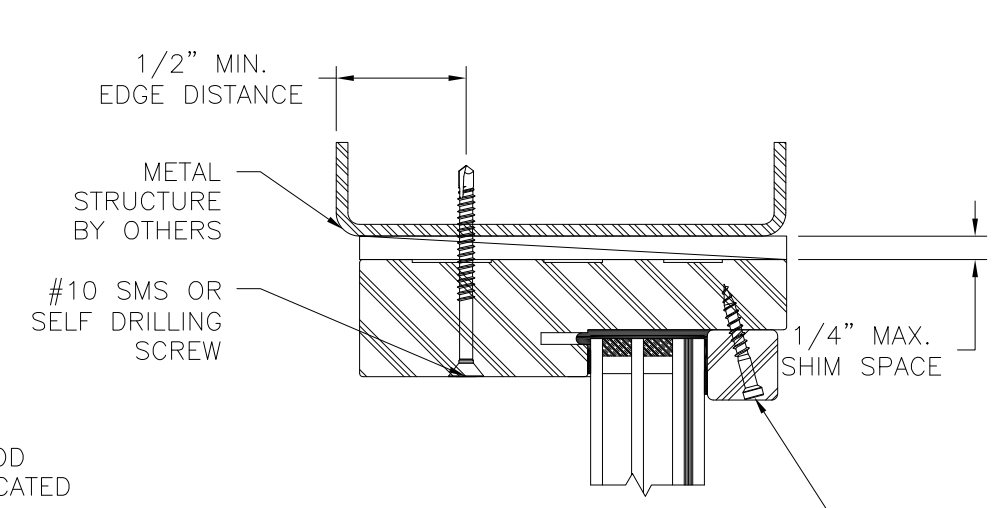


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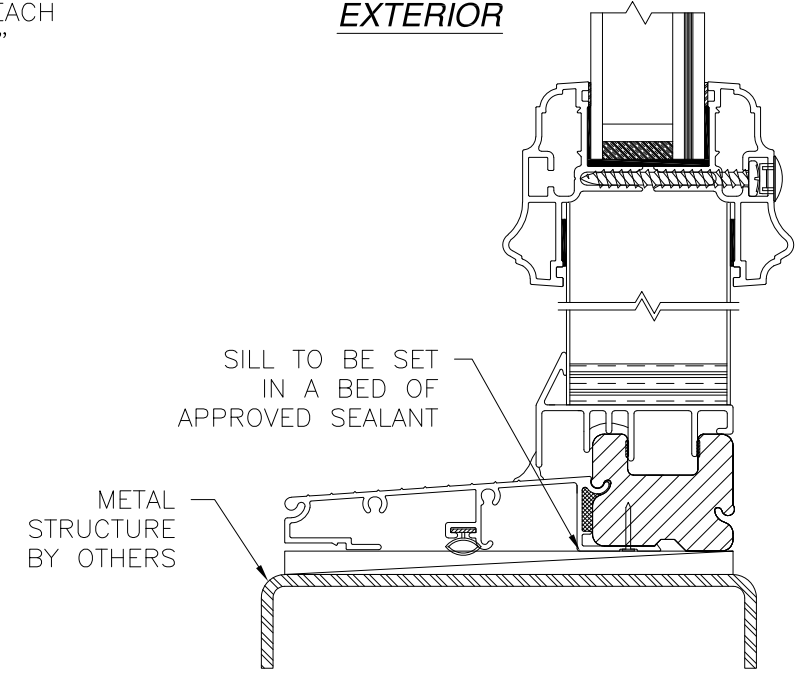


INTERIOR

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

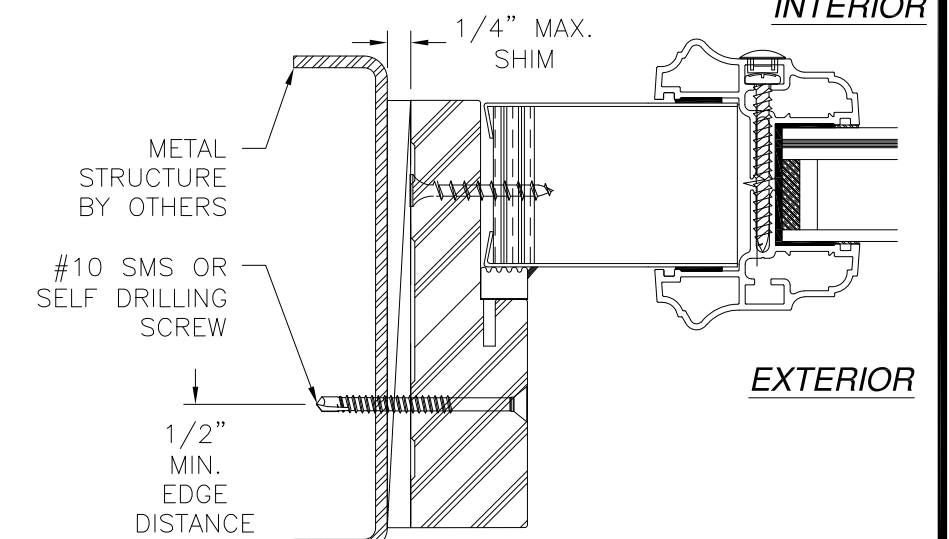


EXTERIOR



INTERIOR

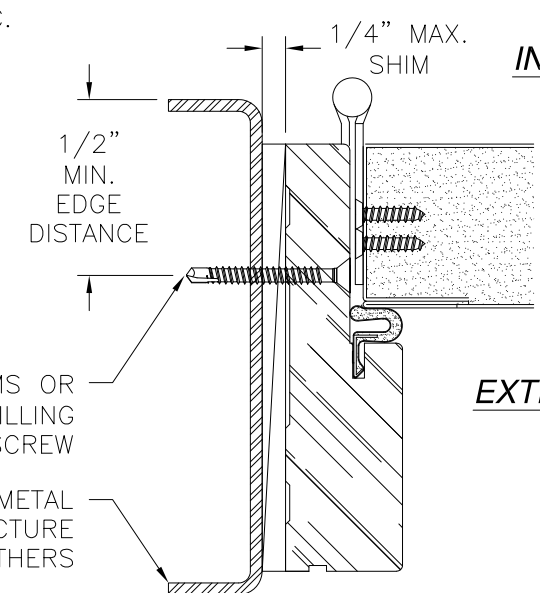
VERTICAL CROSS SECTION
SIDELITE AND TRANSOM INSTALLATION METAL STRUCTURE
 STANDARD SIDELITE SHOWN
 DIRECT SET SIDELITE SIMILAR
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR



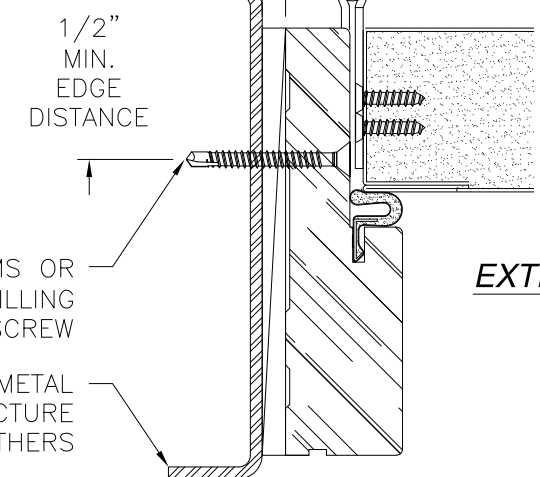
INTERIOR

EXTERIOR

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



INTERIOR



EXTERIOR

HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE SIGNED: 09/08/2021

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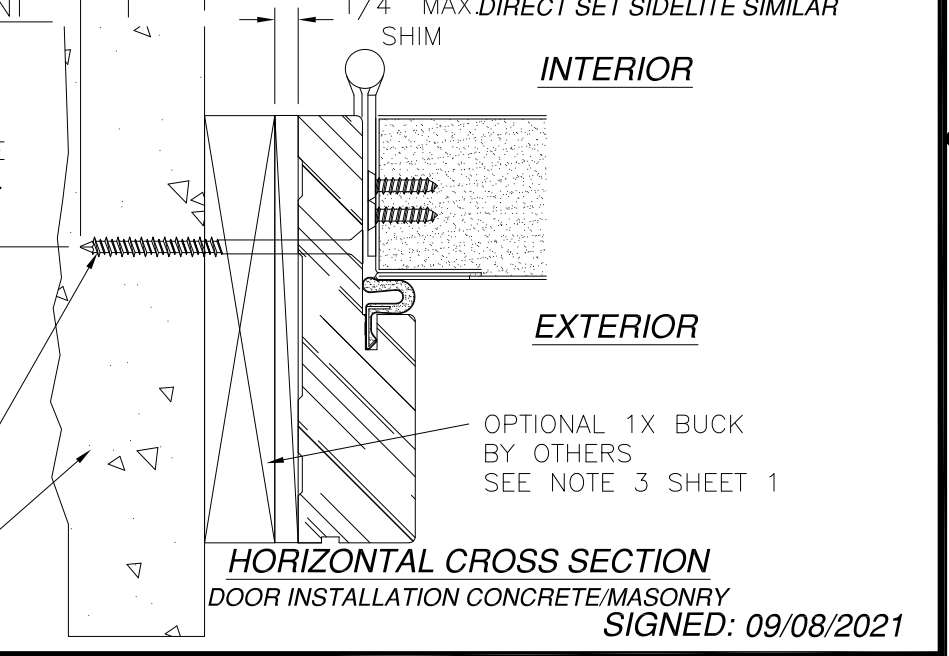
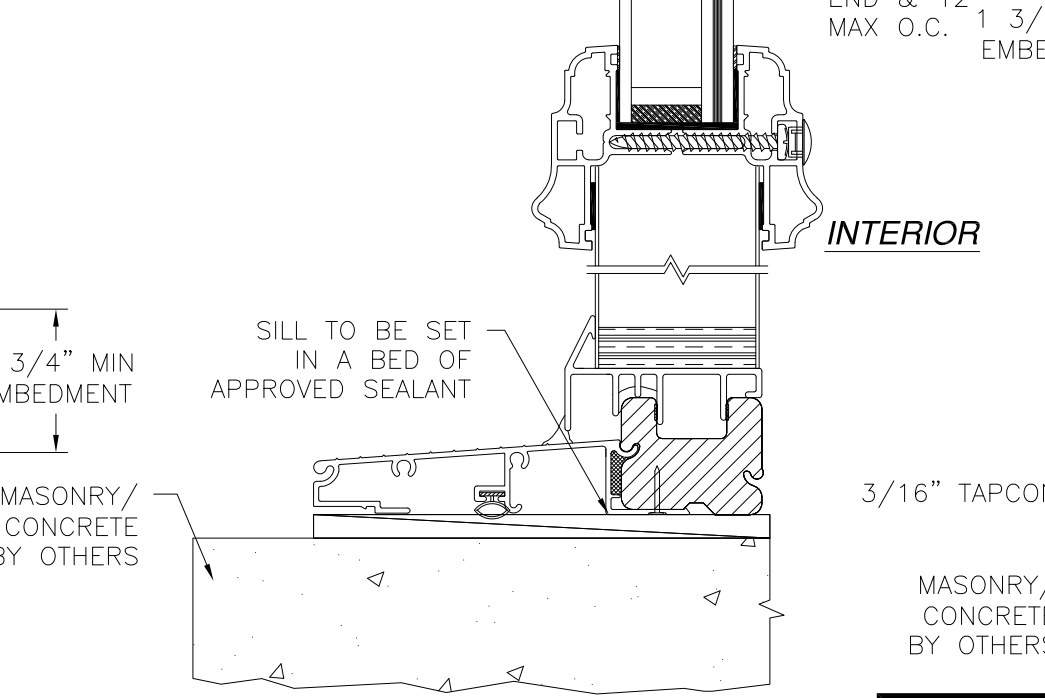
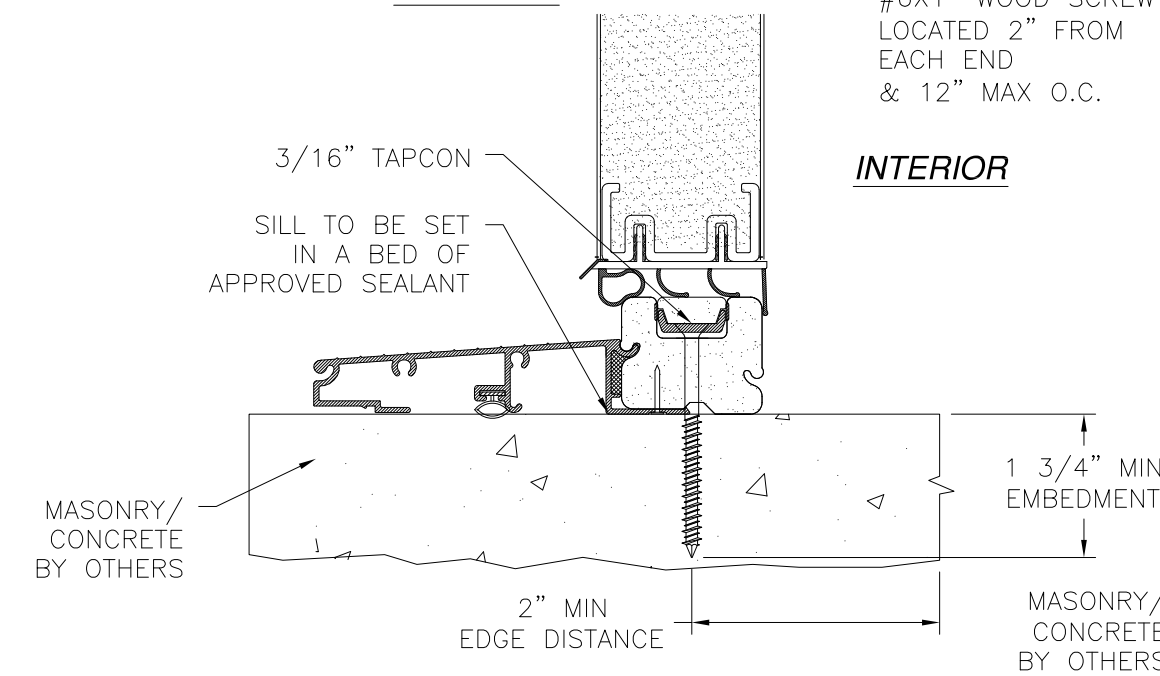
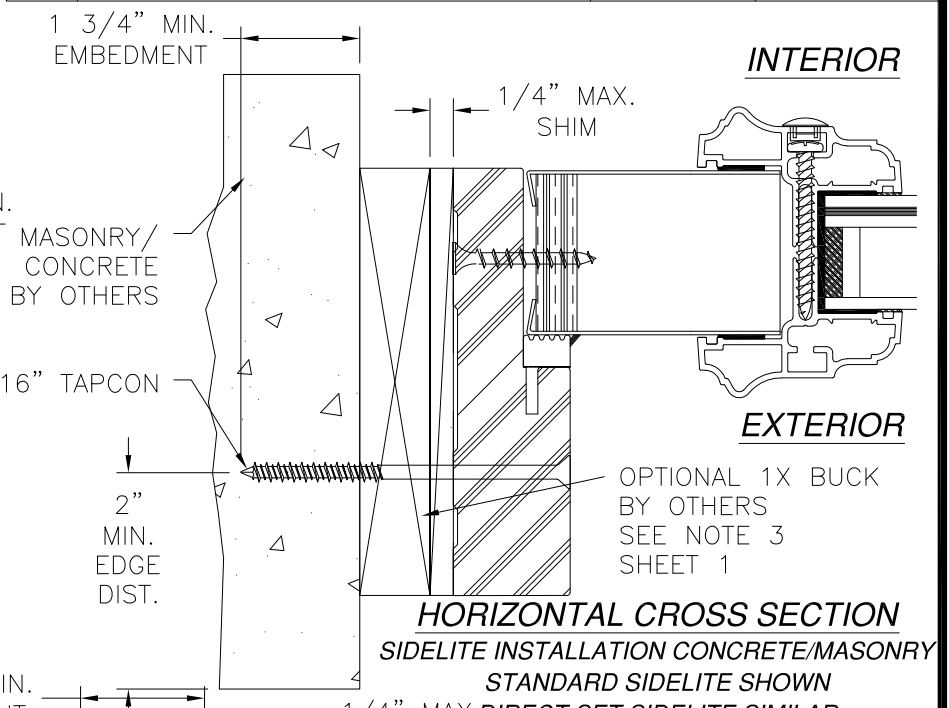
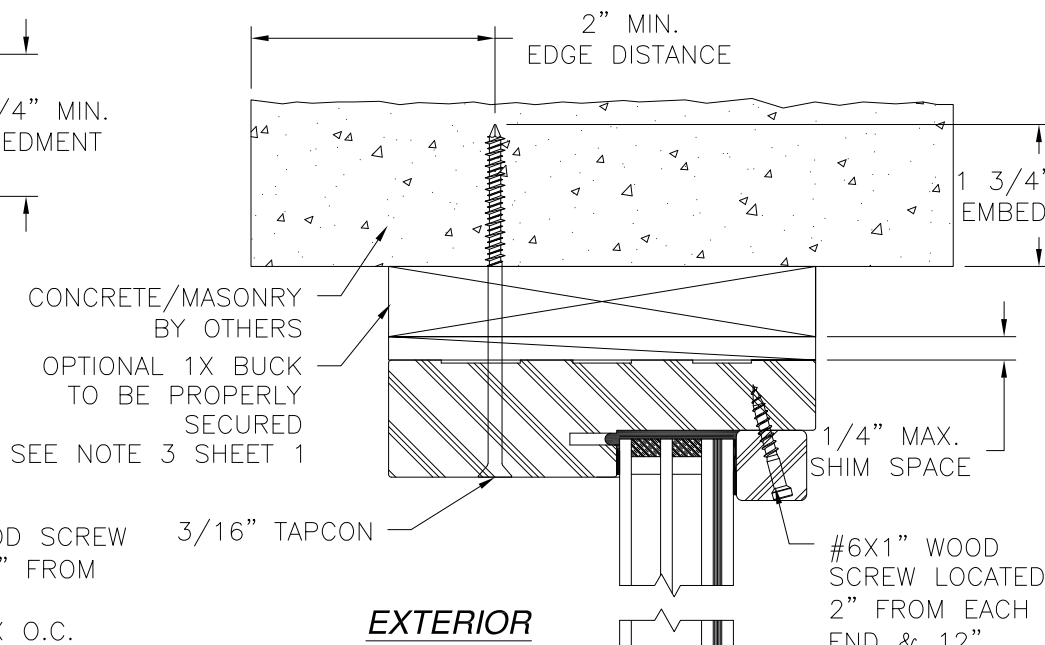
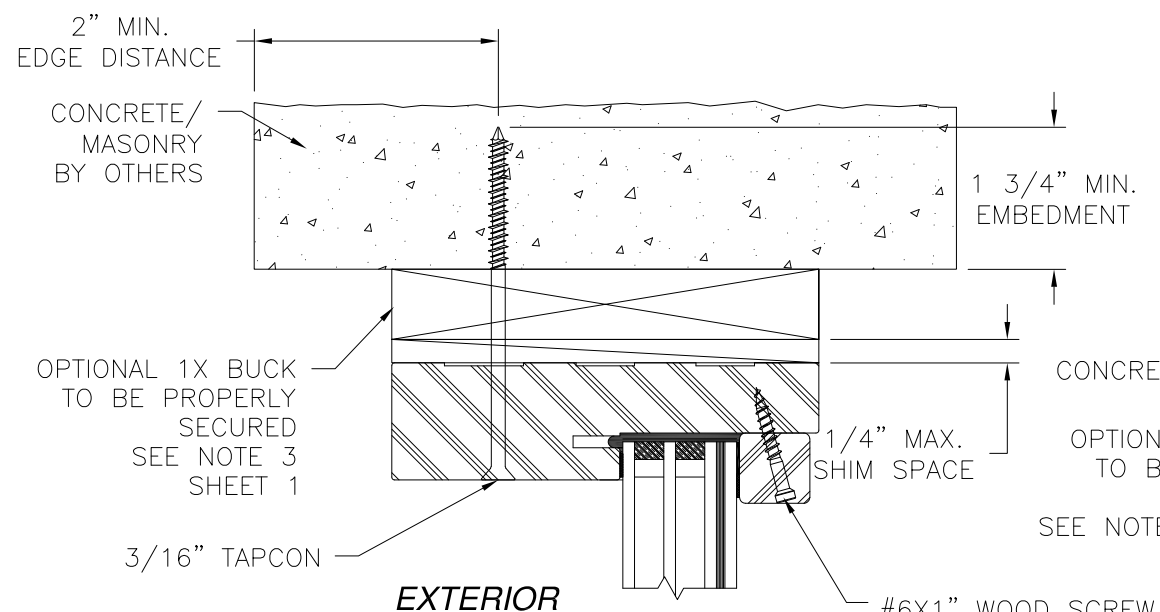
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 INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02037	REV H
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VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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

HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY
SIGNED: 09/08/2021

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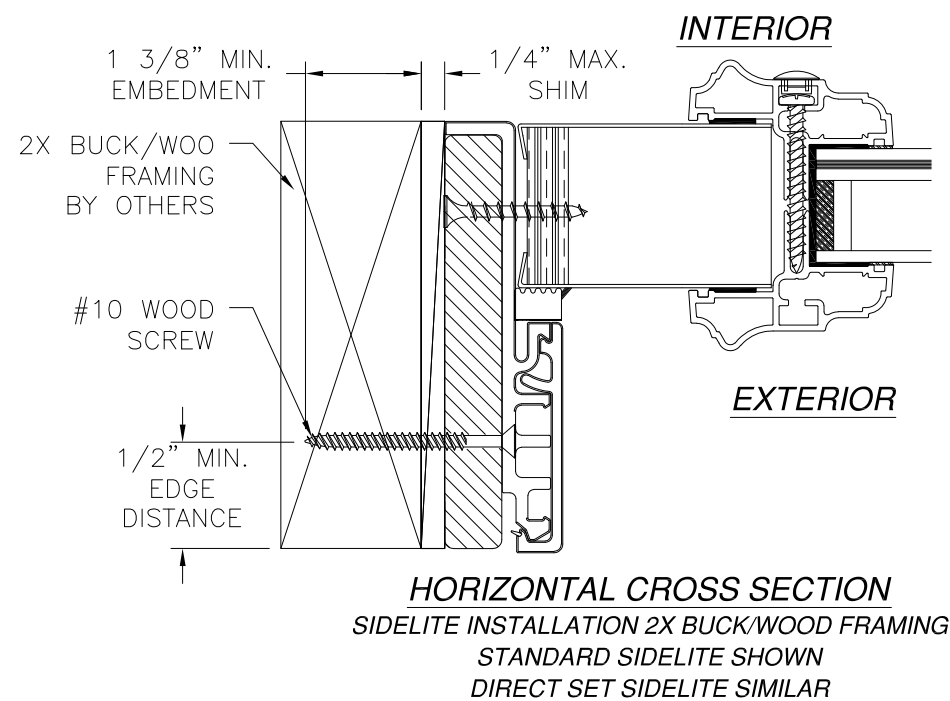
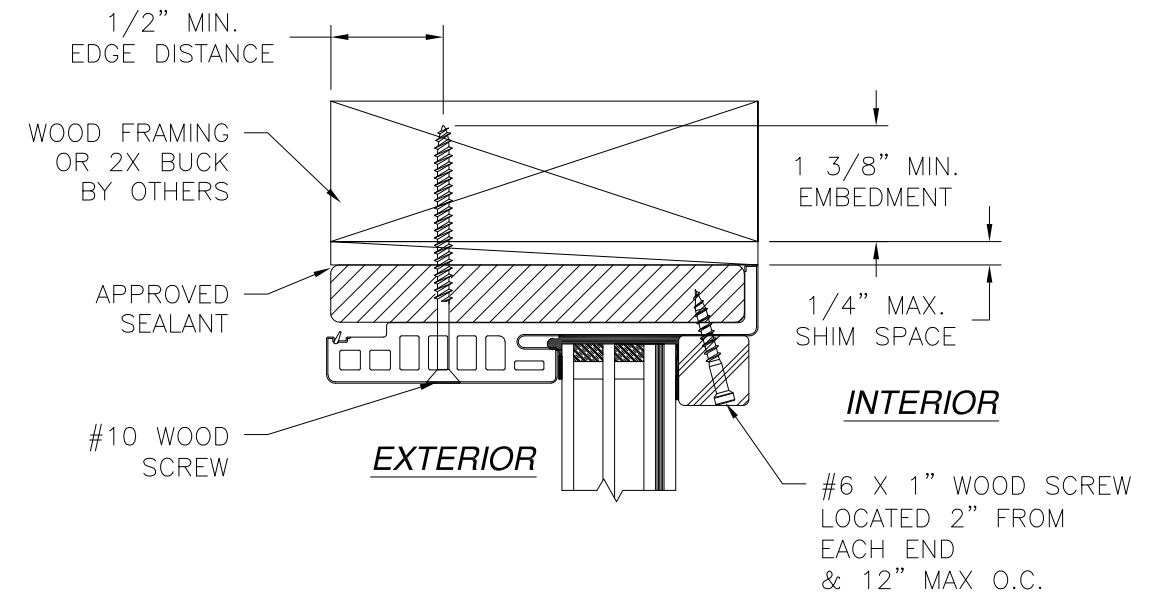
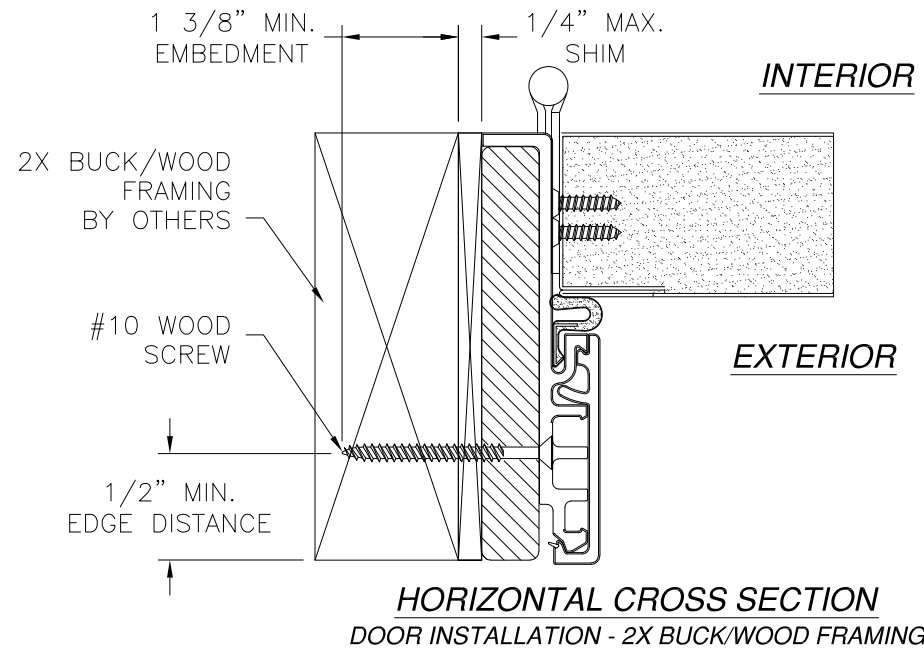
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INSTALLATION DETAILS

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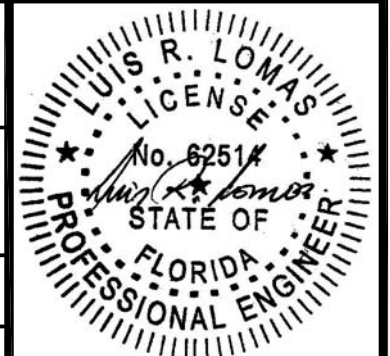
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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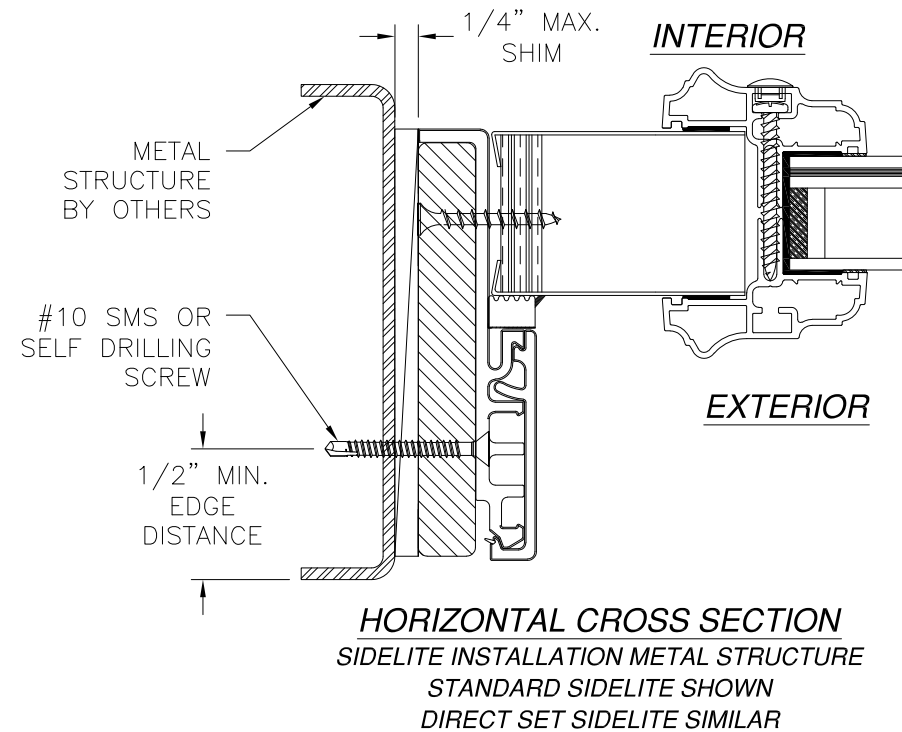
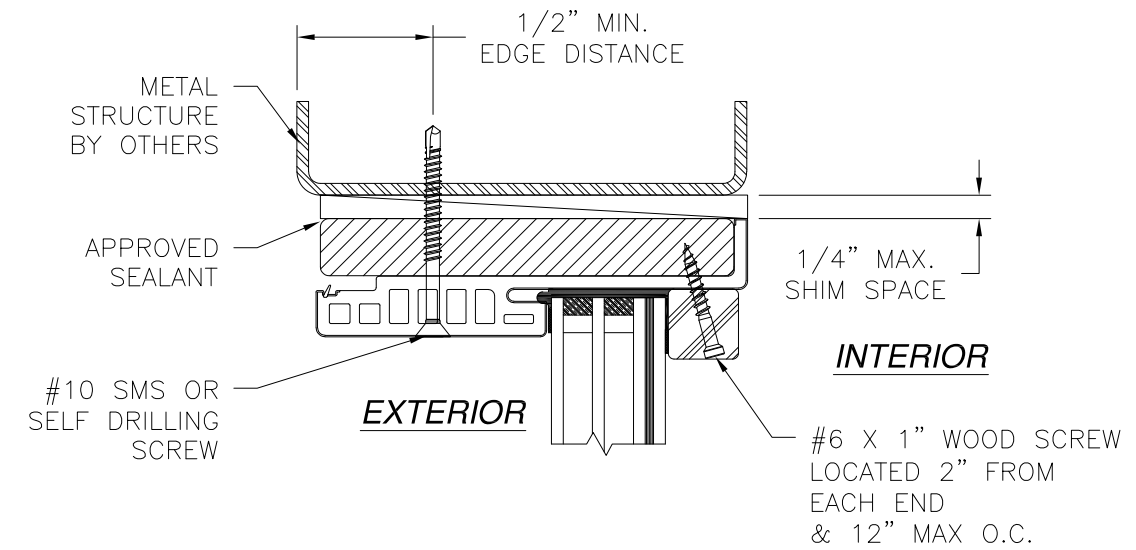
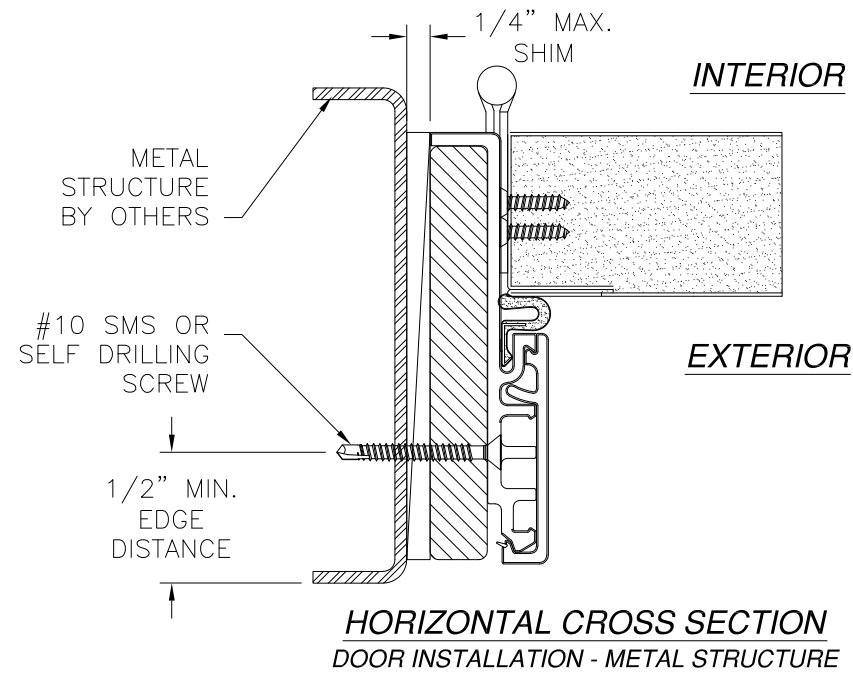
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VERTICAL CROSS SECTION
 TRANSOM INSTALLATION METAL STRUCTURE
 TRANSOM HEAD SHOWN
 TRANSOM JAMB SIMILAR

- 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

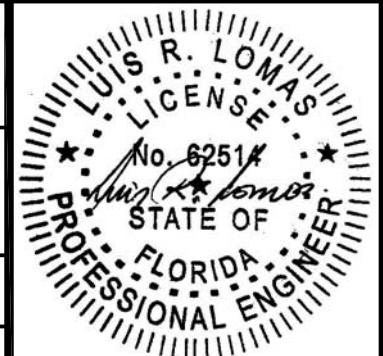
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PROVIA, LLC.
 2150 STATE ROUTE 39 WEST
 SUGARCREEK, OH 44681

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

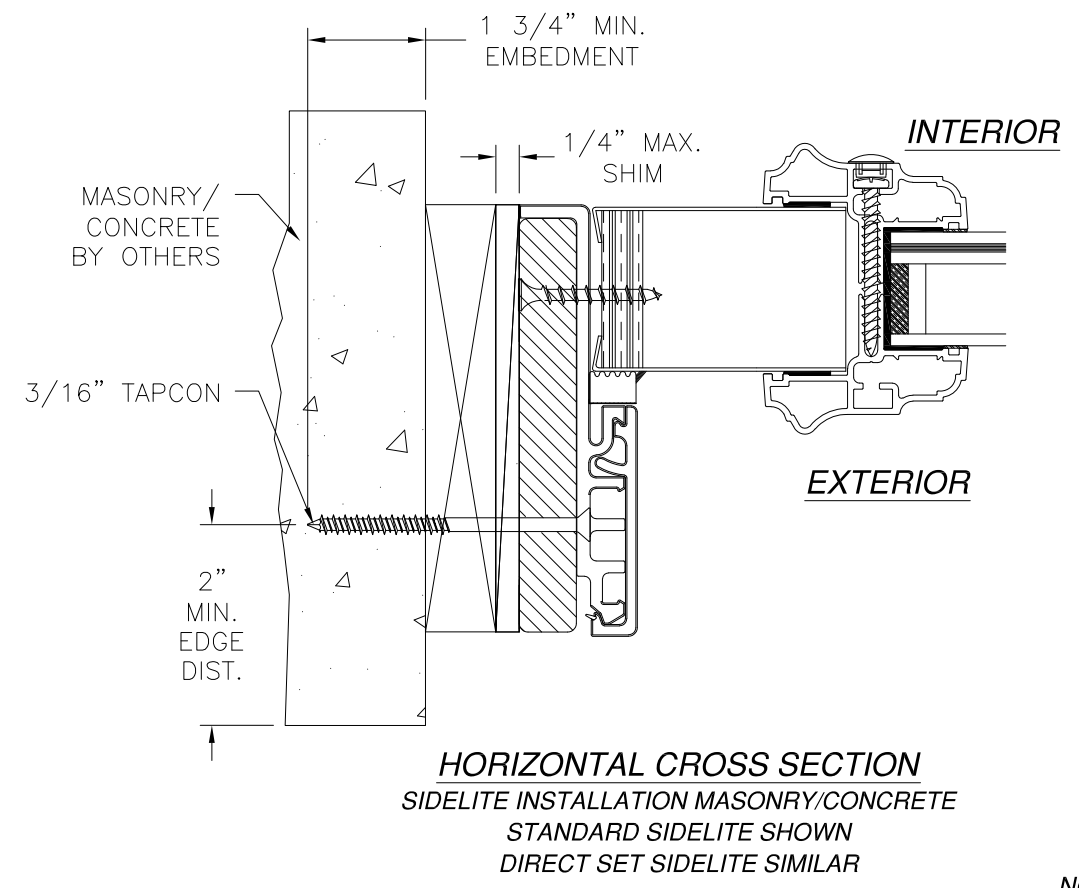
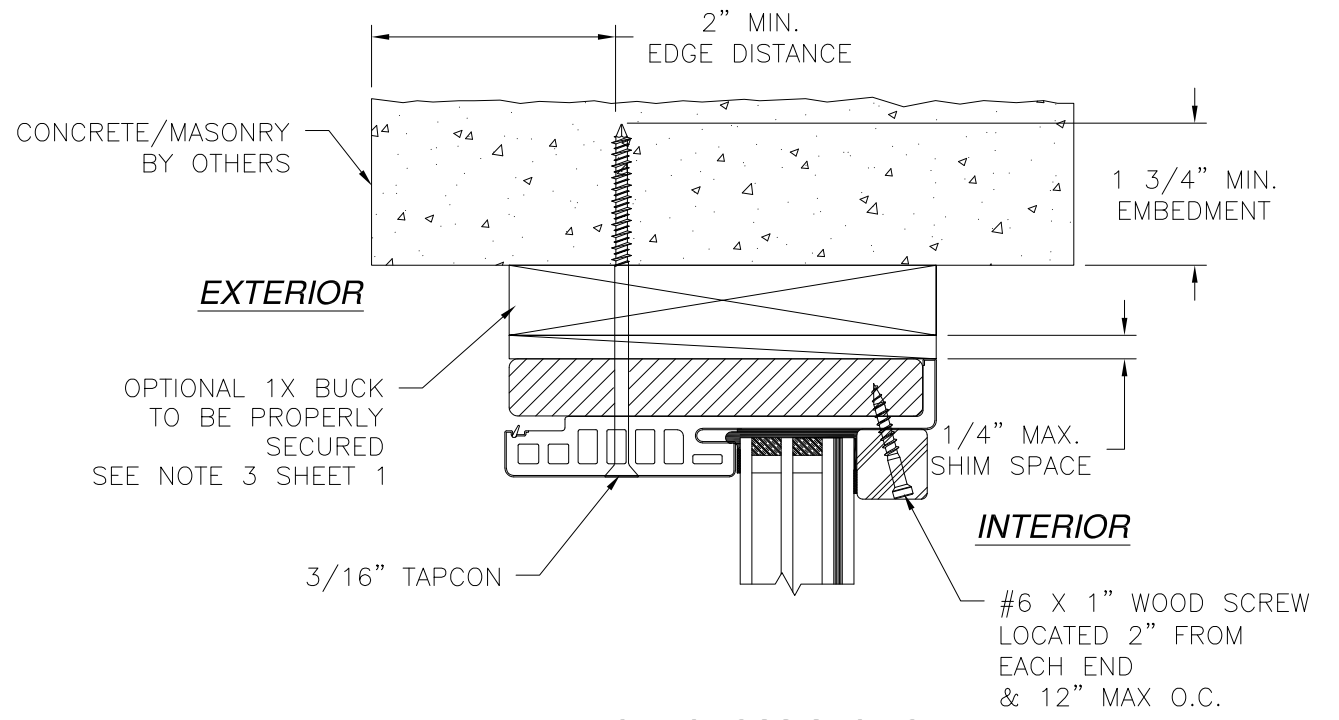
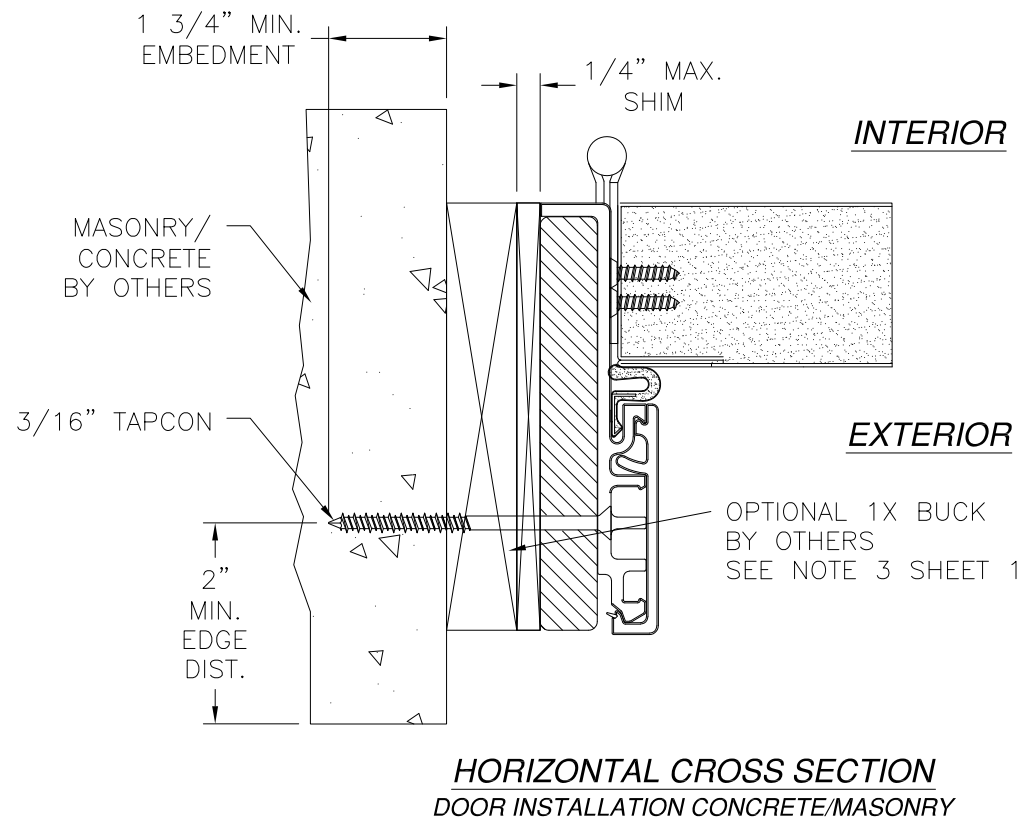
DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 9 OF 16

L. ROBERTO LOMAS P.E.
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Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	ADDED TRIMS & 5180 HOT MELT BUTYL	08/24/2021	R.L.



- 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

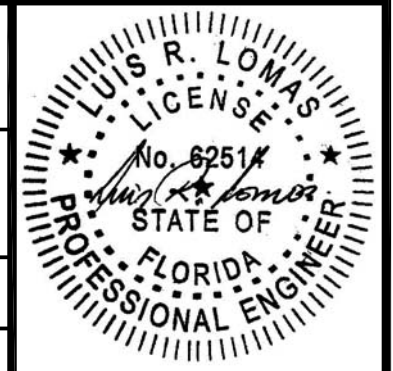
PROVIA, LLC.
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
 W/SIDELITES & TRANSOM - IMPACT
 INSTALLATION DETAILS W/FUSION FRAME

DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 10 OF 16

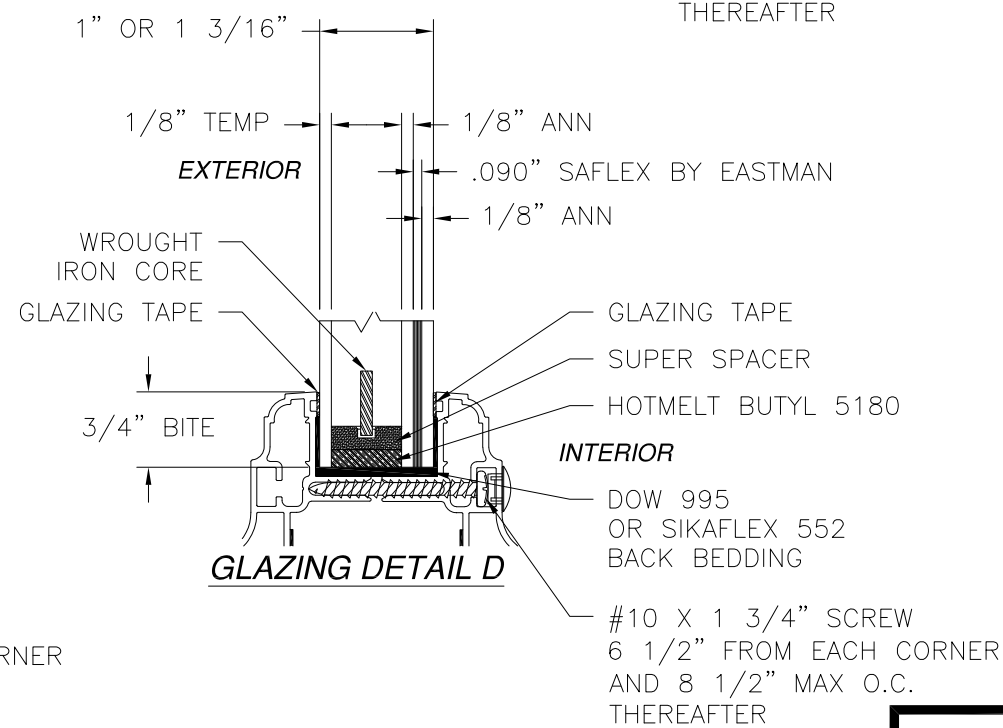
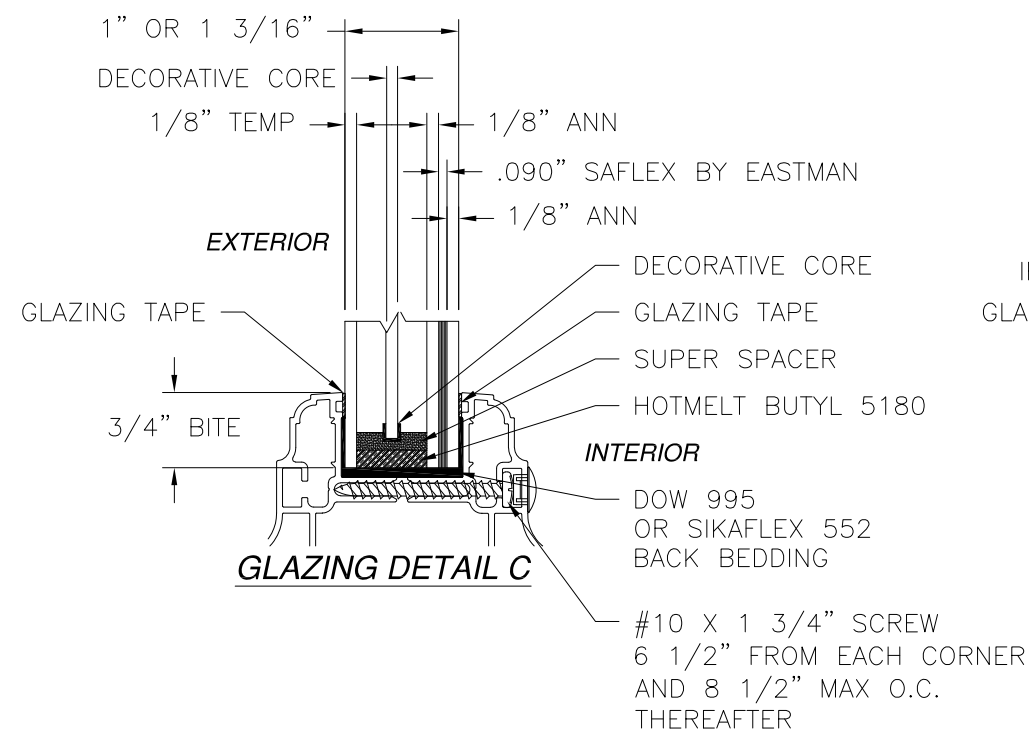
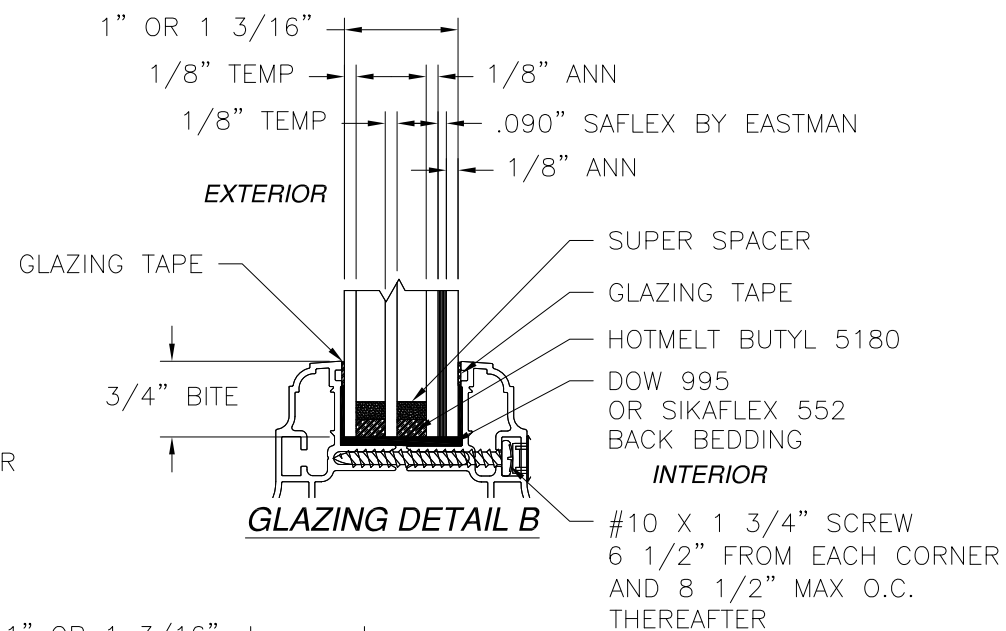
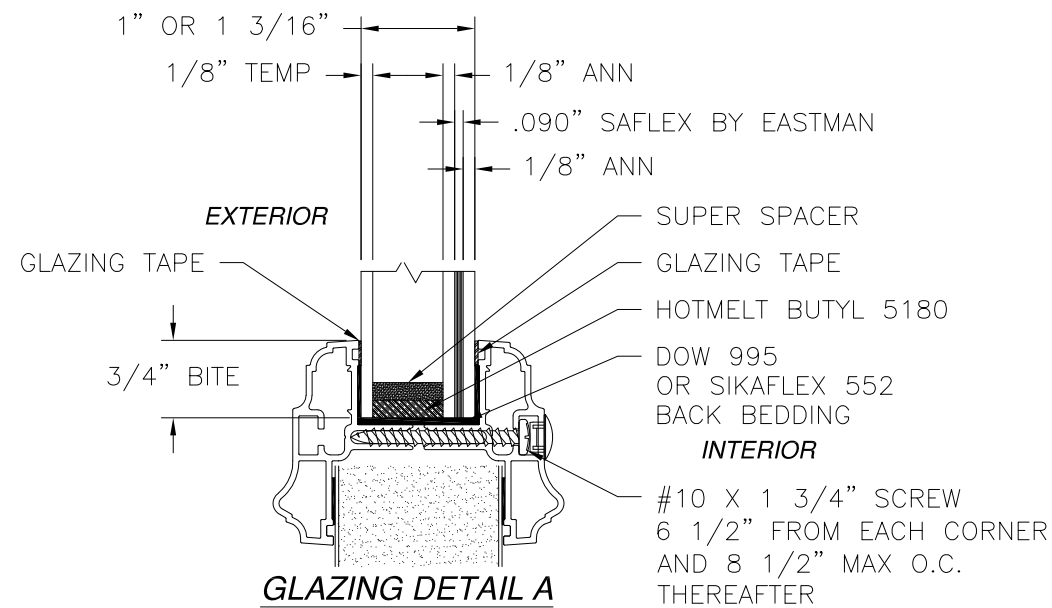
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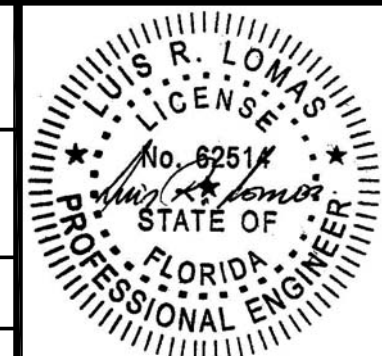
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2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
GLAZING DETAILS

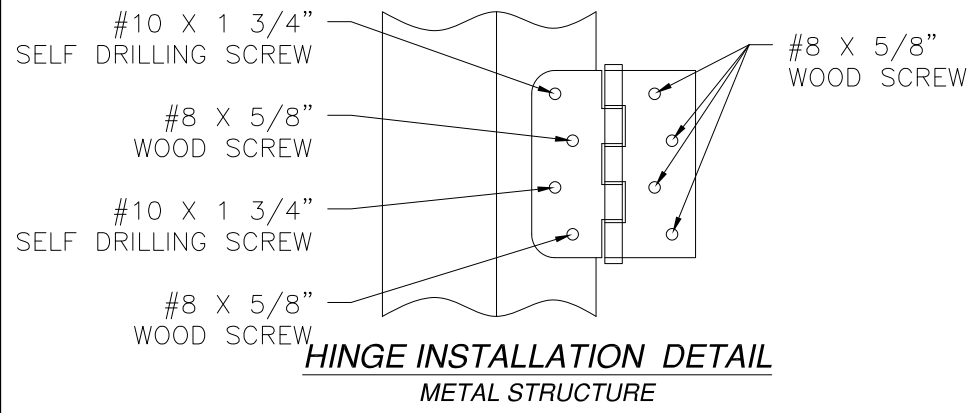
DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 11 OF 16

L. ROBERTO LOMAS P.E.
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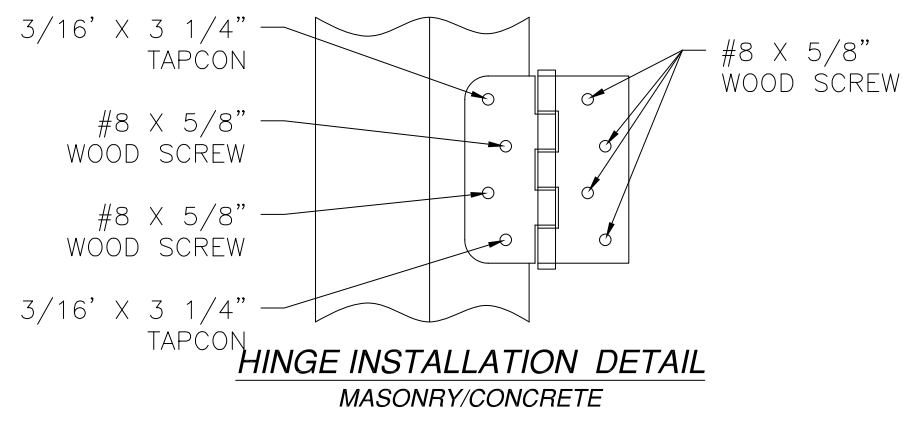
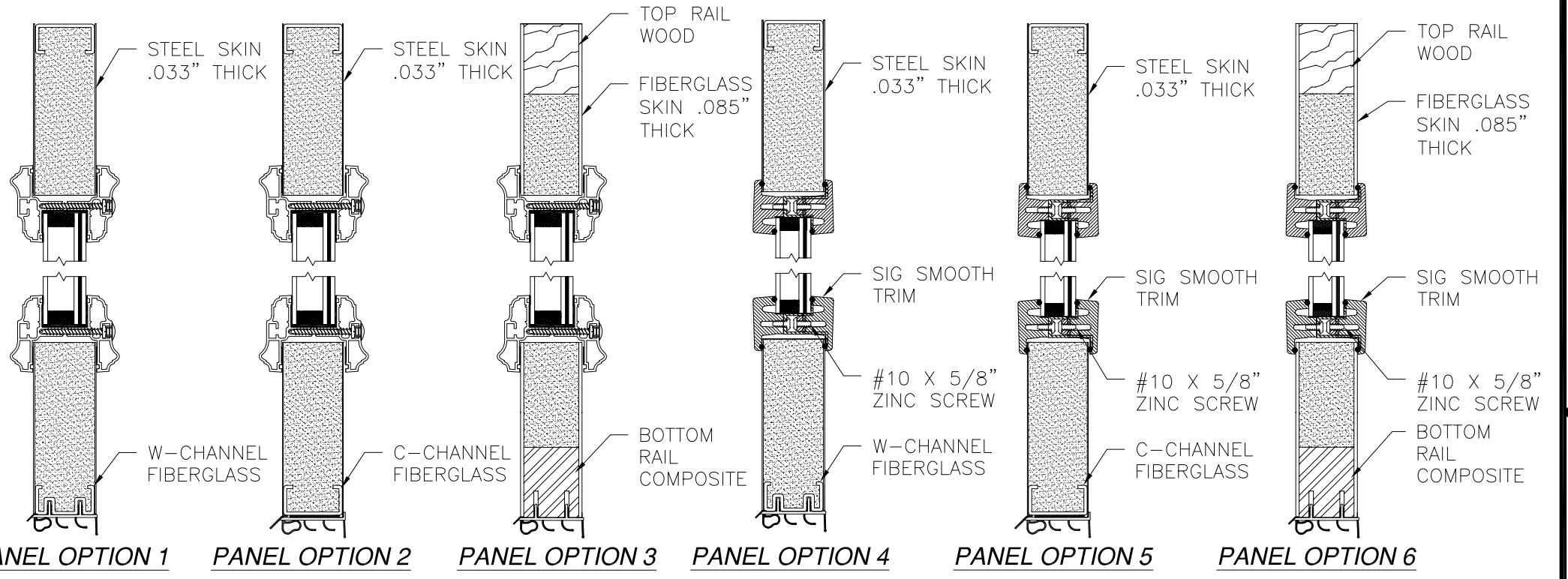
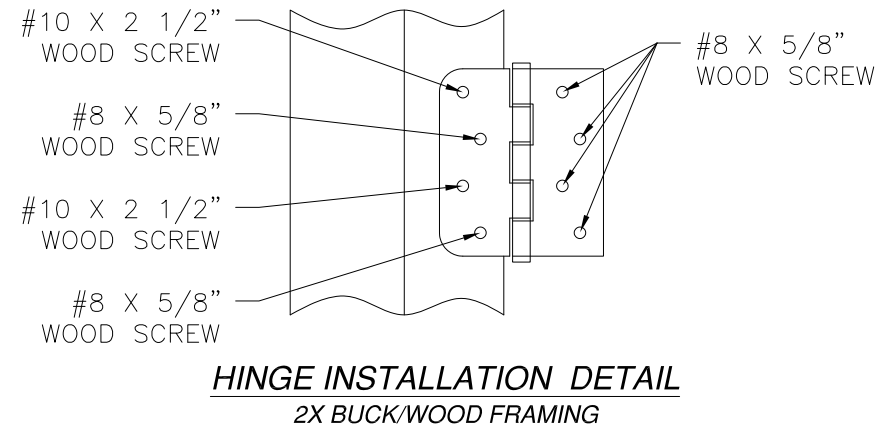


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APPROVED SIDELITE SLABS



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

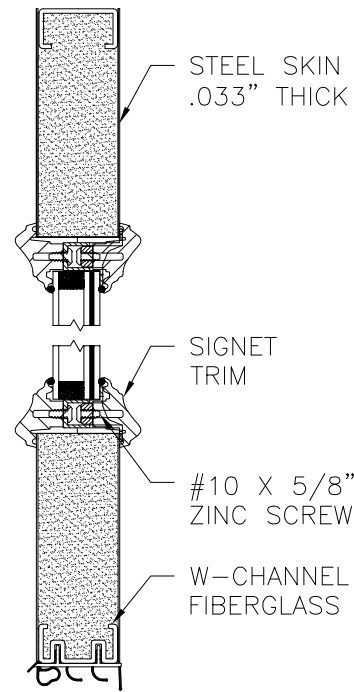
DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 12 OF 16

L. ROBERTO LOMAS P.E.
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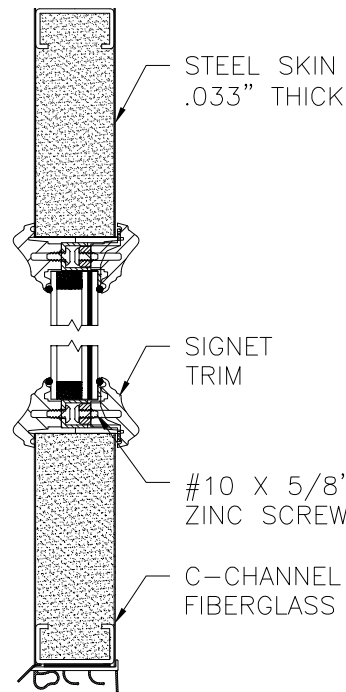
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SIDELITE SLABS

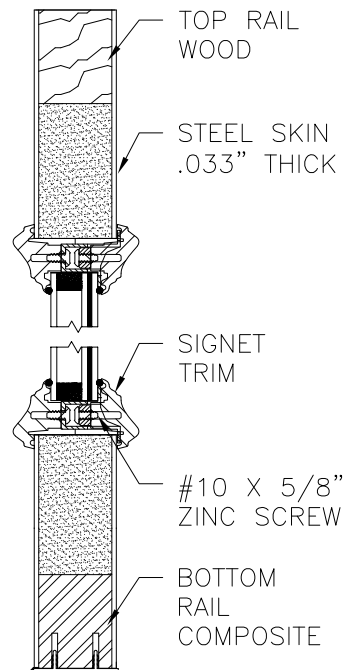
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REV	DESCRIPTION	DATE	APPROVED
H	ADDED TRIMS & 5180 HOT MELT BUTYL	08/24/2021	R.L.



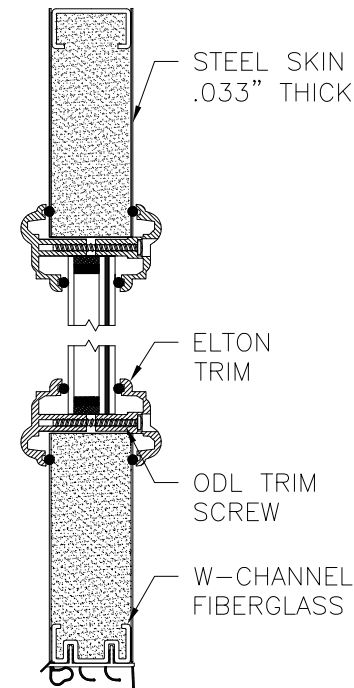
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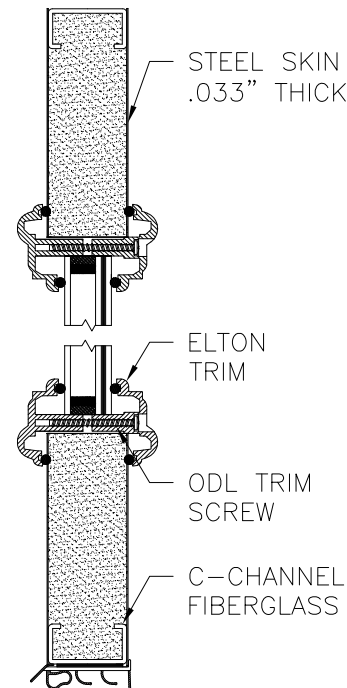
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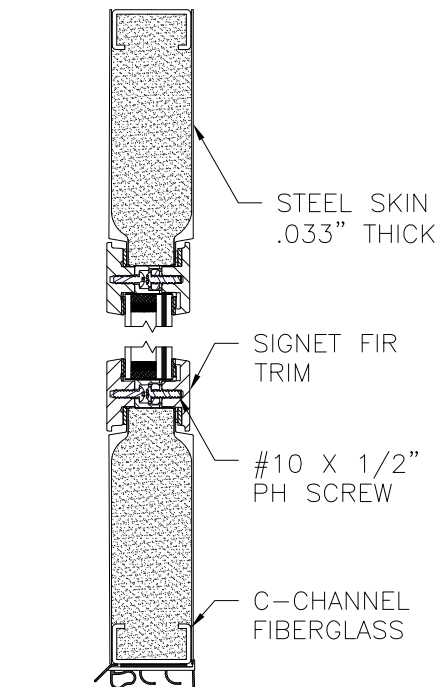
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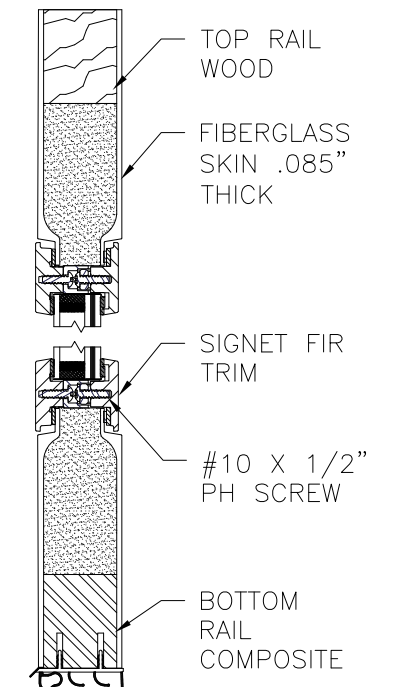
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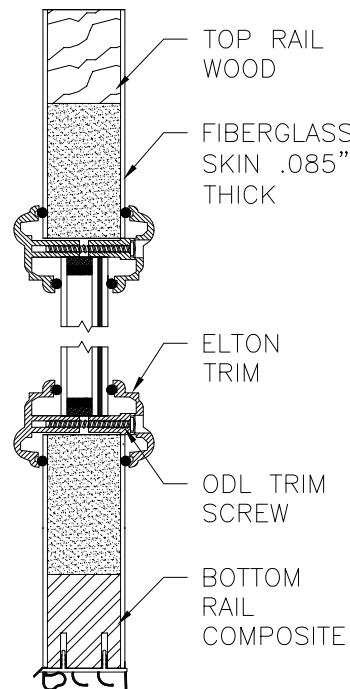
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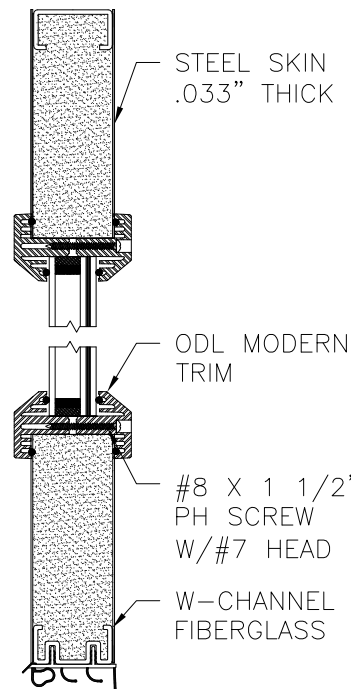
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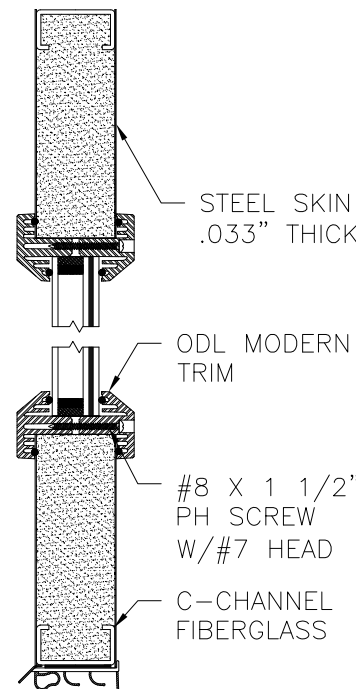
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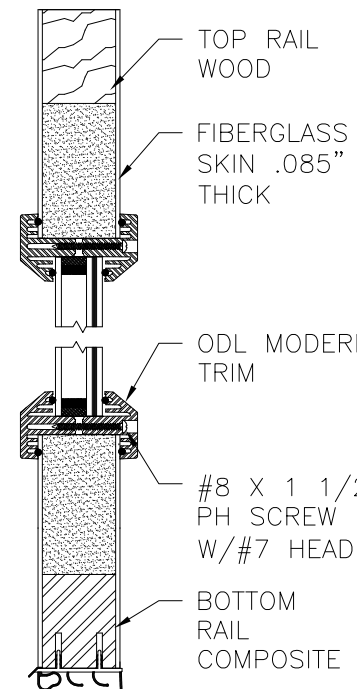
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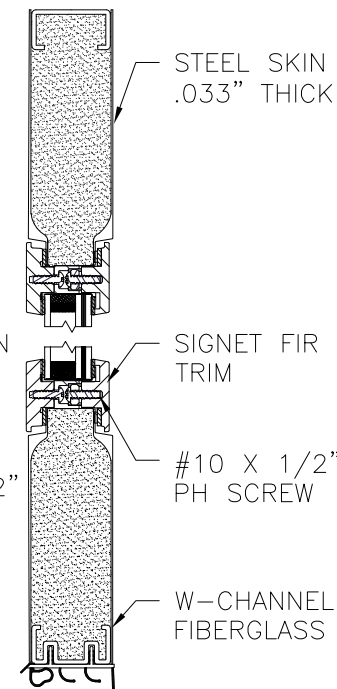
PANEL OPTION 13



PANEL OPTION 14



PANEL OPTION 15



PANEL OPTION 16

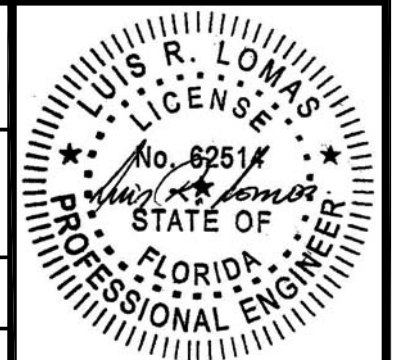
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
APPROVED SLABS

DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 13 OF 16

L. ROBERTO LOMAS P.E.
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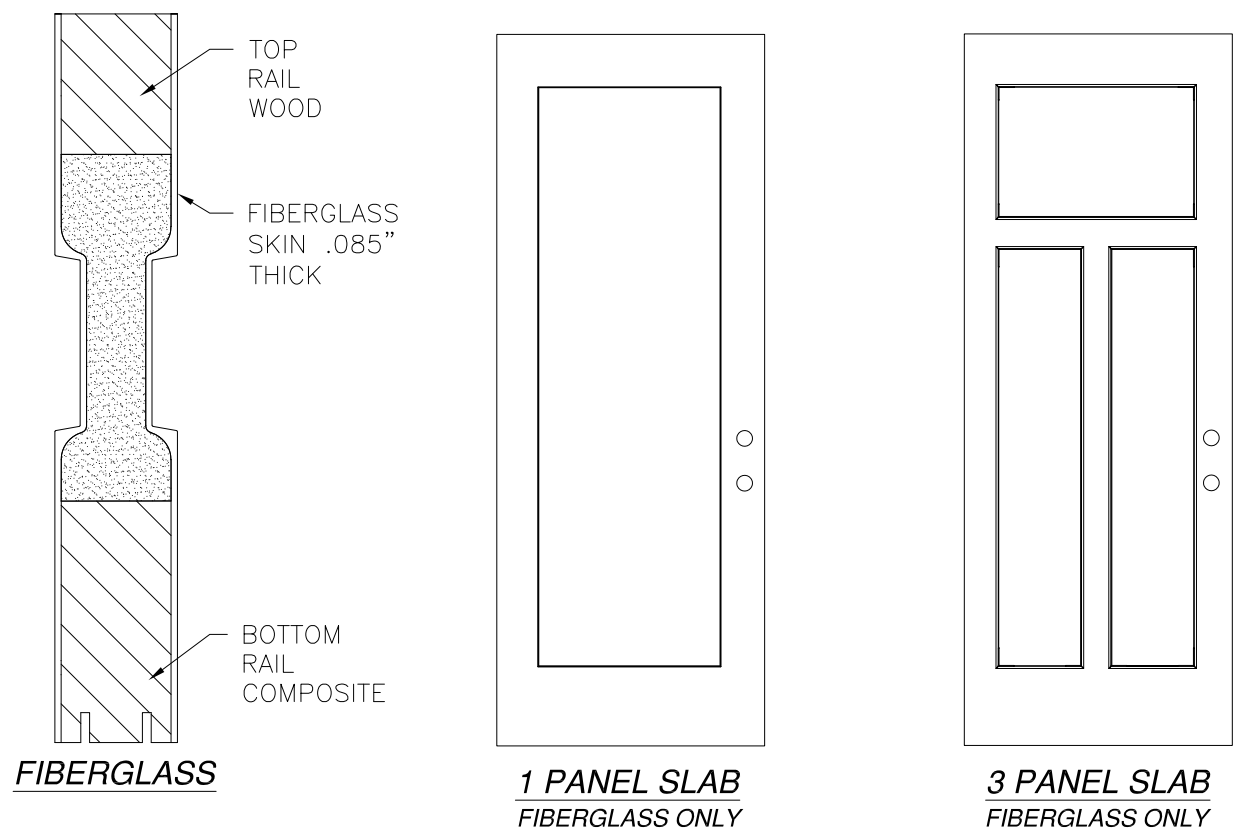
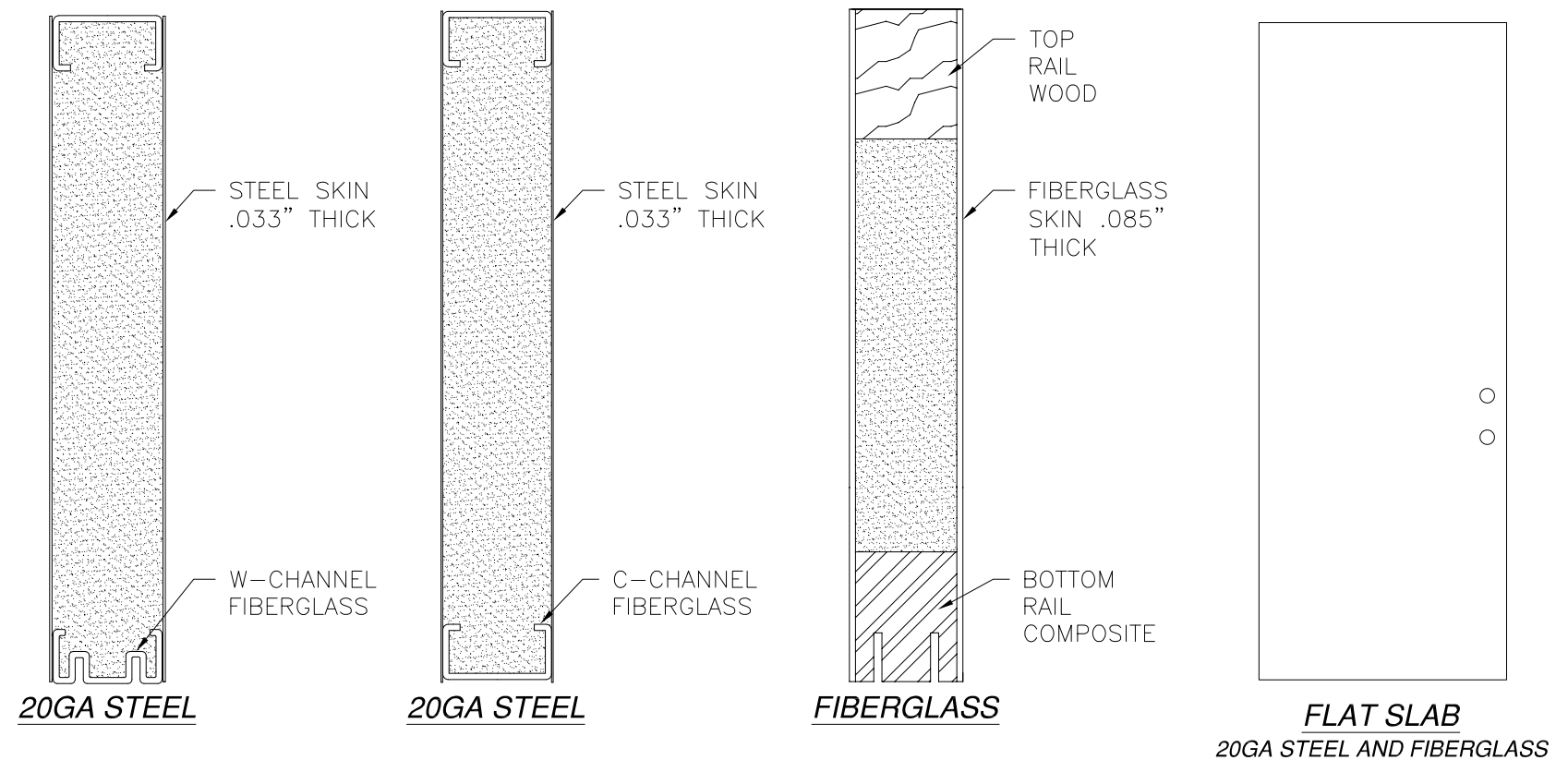
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Luis R. Lomas P.E.
FL No.: 62514

APPROVED DOOR SLABS AND CROSS SECTIONS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
APPROVED SLABS

DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 14 OF 16

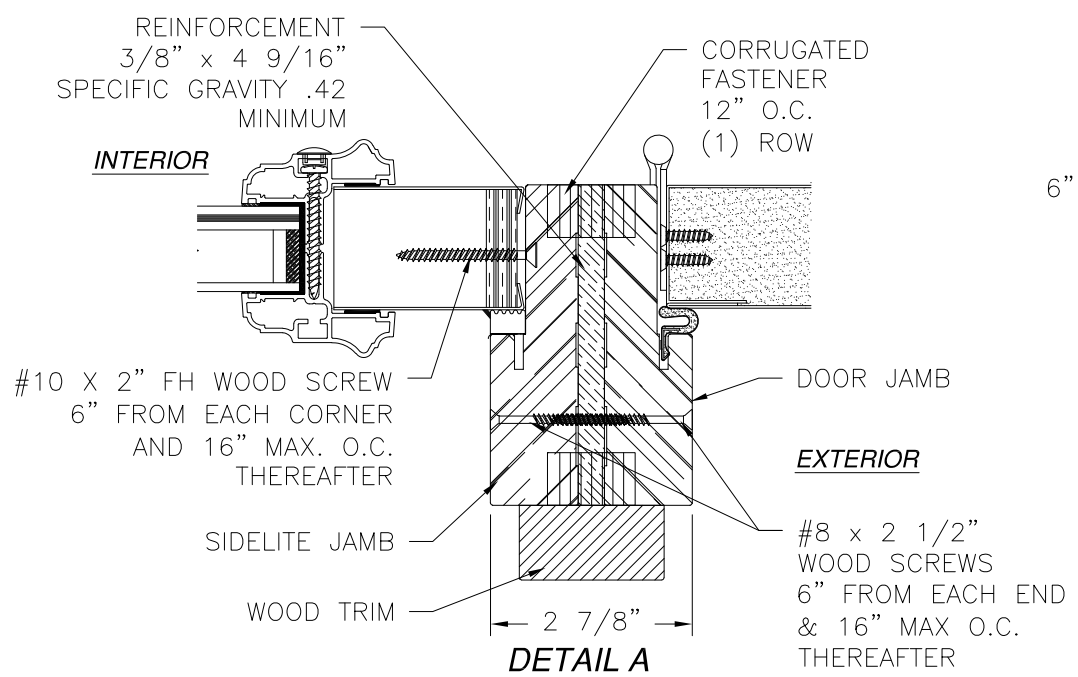
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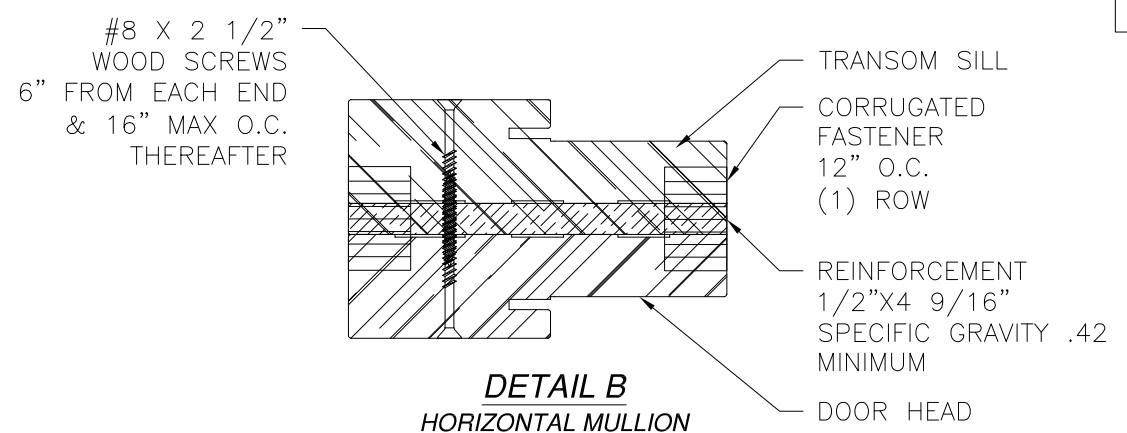


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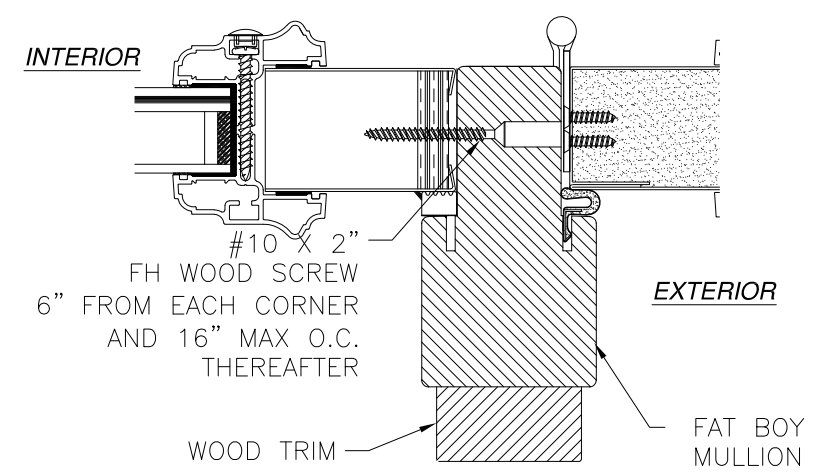
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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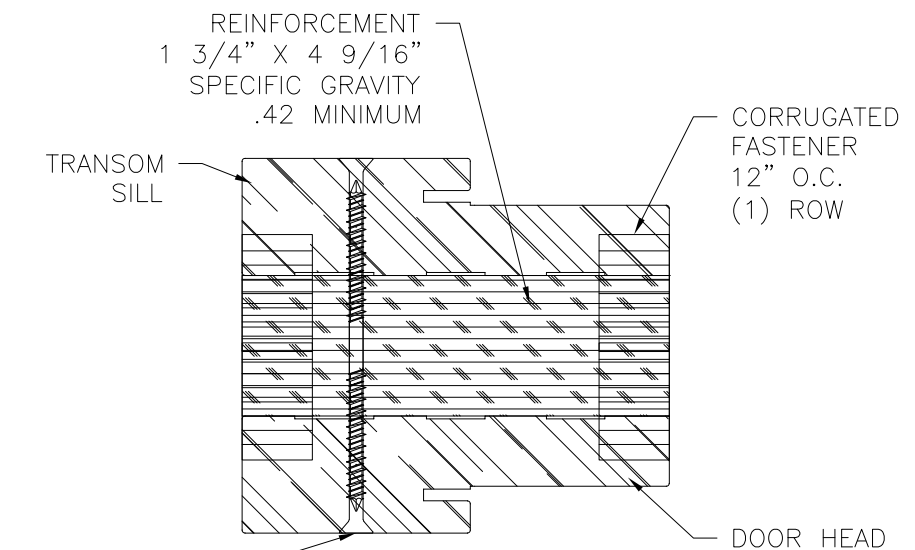
DETAIL A
VERTICAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



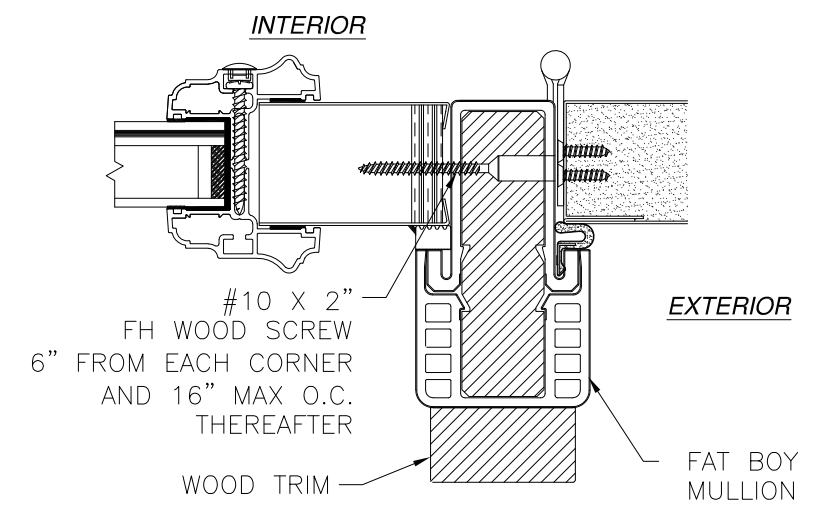
DETAIL B
HORIZONTAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



DETAIL C
WITH FAT BOY MULLION



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



DETAIL C
WITH HYBRID FAT BOY MULLION

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

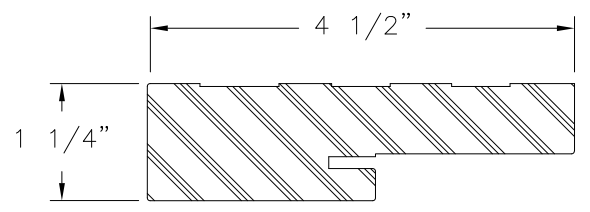
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES & TRANSOM - IMPACT
MULLION DETAILS

DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 15 OF 16

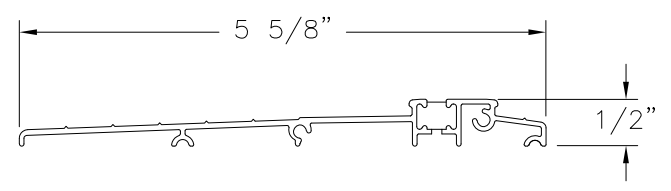
L. ROBERTO LOMAS P.E.
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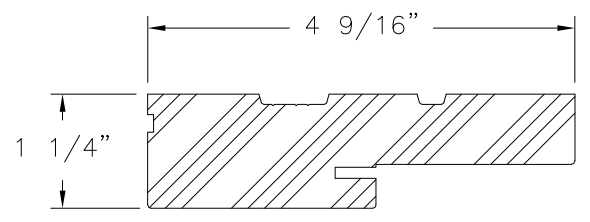
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FL No.: 62514



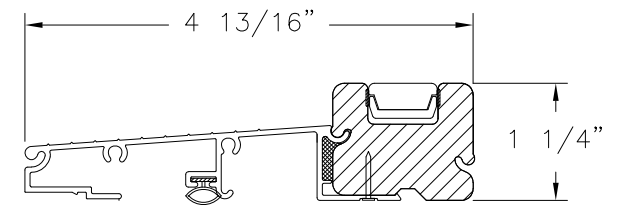
COMPOSITE FRAME PROFILE



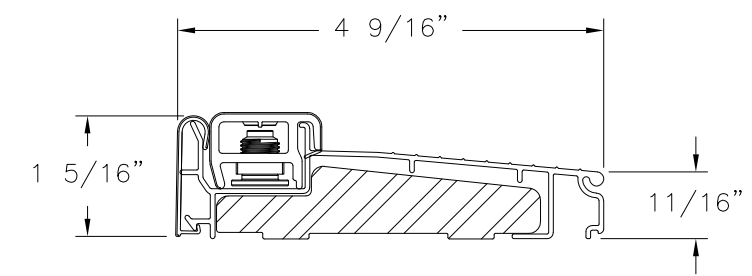
ADA THRESHOLD



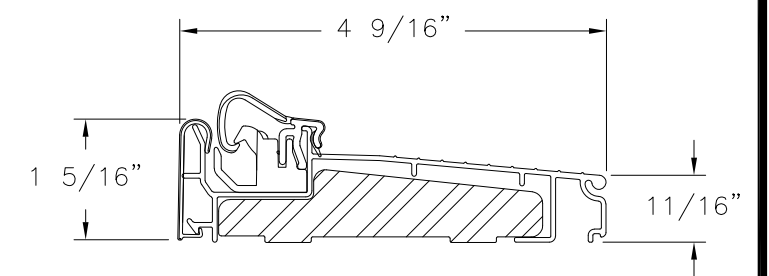
WOOD FRAME PROFILE



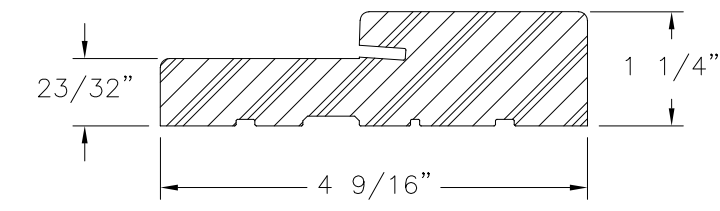
SAHARA INSWING THRESHOLD



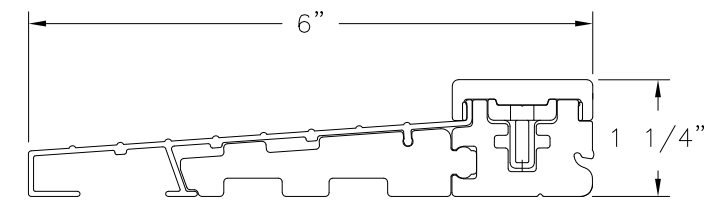
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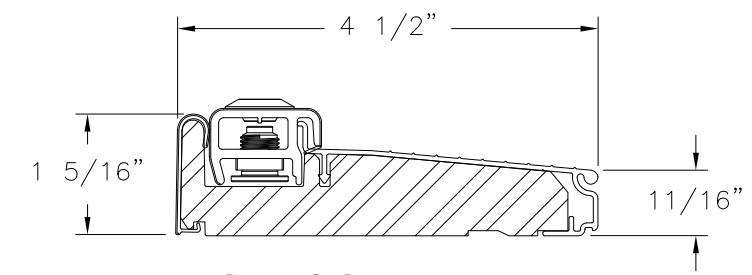
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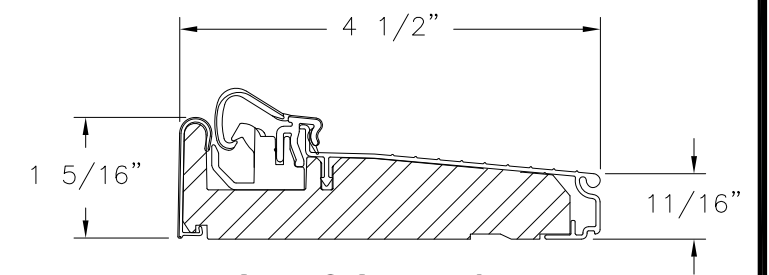
FRAMESAVER COMPOSITE



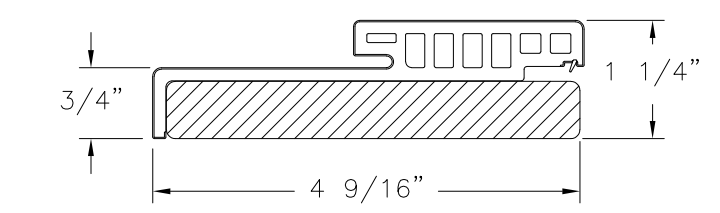
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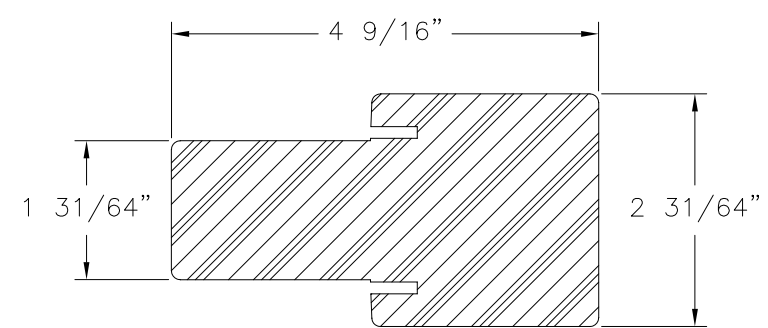
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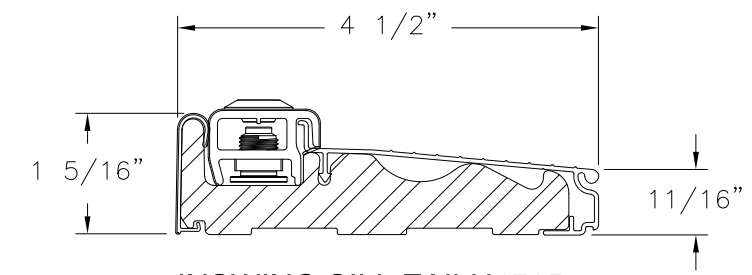
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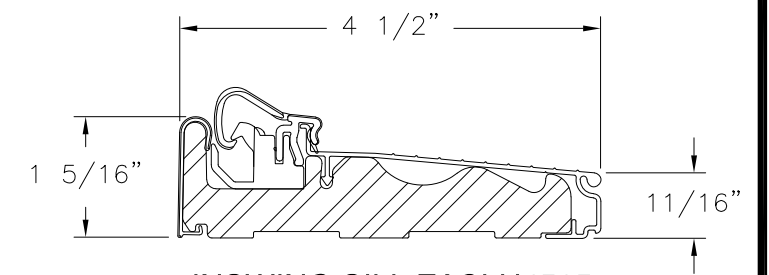
HYBRID HEAD WOOD/COMPOSITE



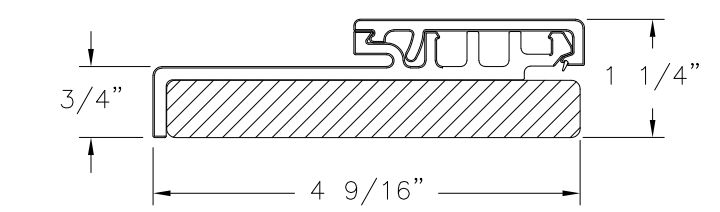
FAT BOY MULLION COMPOSITE



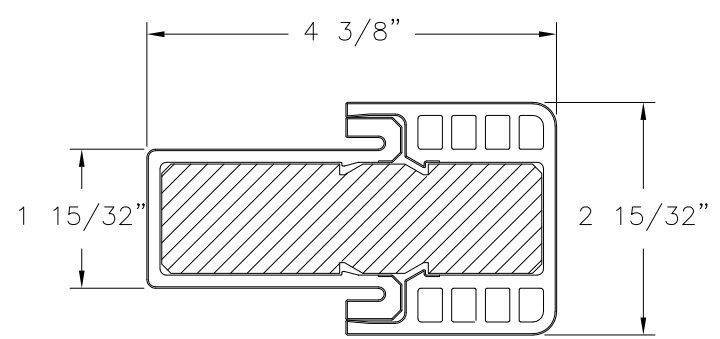
INSWING SILL ZAILH4565



INSWING SILL ZAQLH4565



HYBRID JAMB WOOD/COMPOSITE



HYBRID FAT BOY MULLION COMPOSITE

REVISIONS			
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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
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DRAWN: N.G.	DWG NO. 08-02037	REV H
SCALE NTS	DATE 05/22/13	SHEET 16 OF 16

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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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 FL No.: 62514