

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	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. SIDELITES 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/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES – IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-02038

REV
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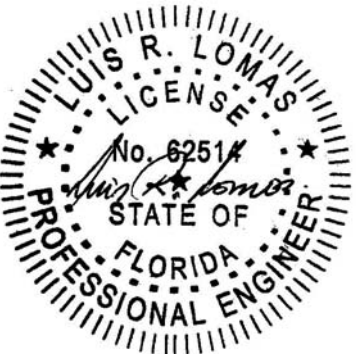
SCALE NTS

DATE 04/22/13

SHEET 1 OF 17

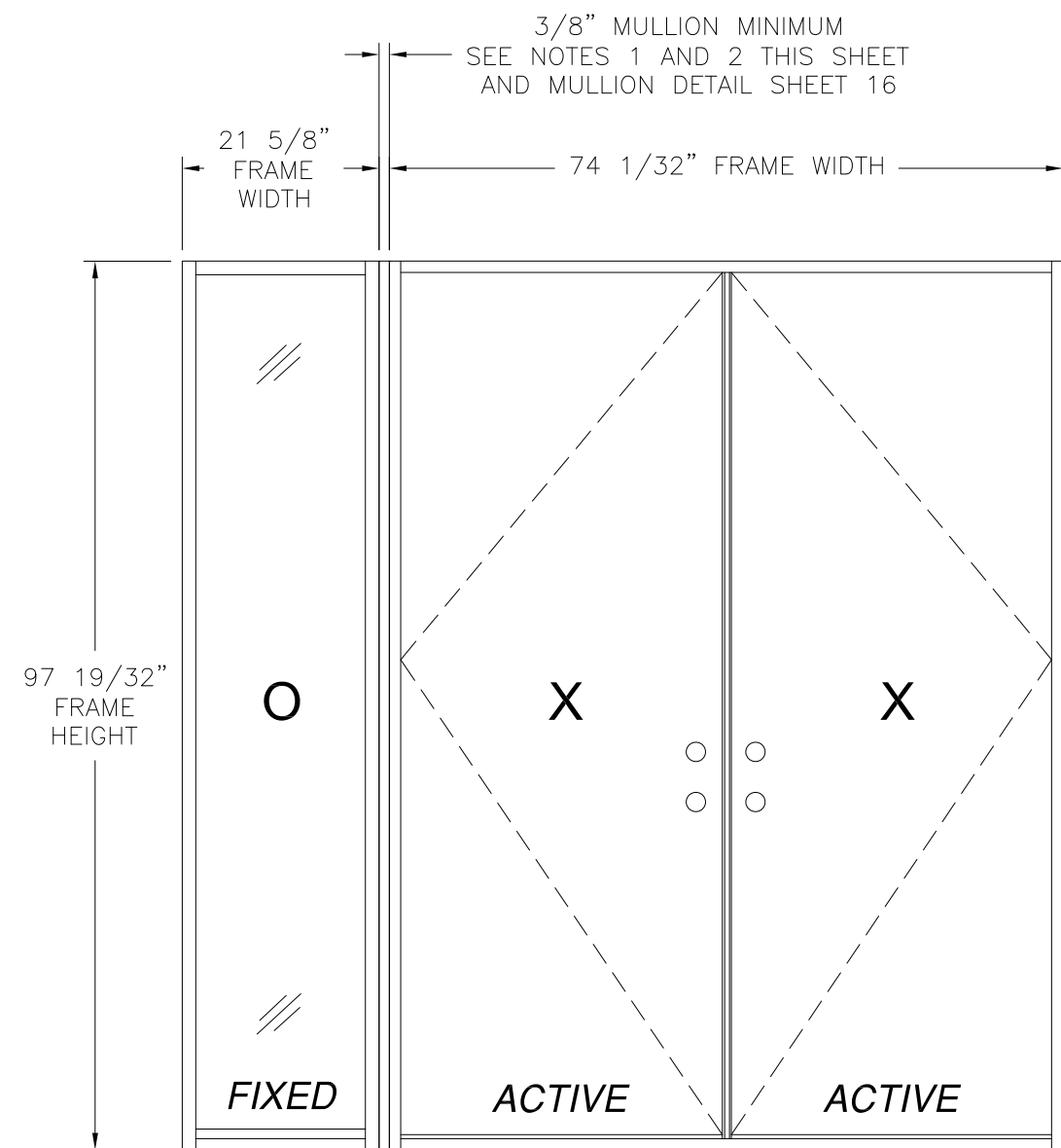
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/26/2023



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

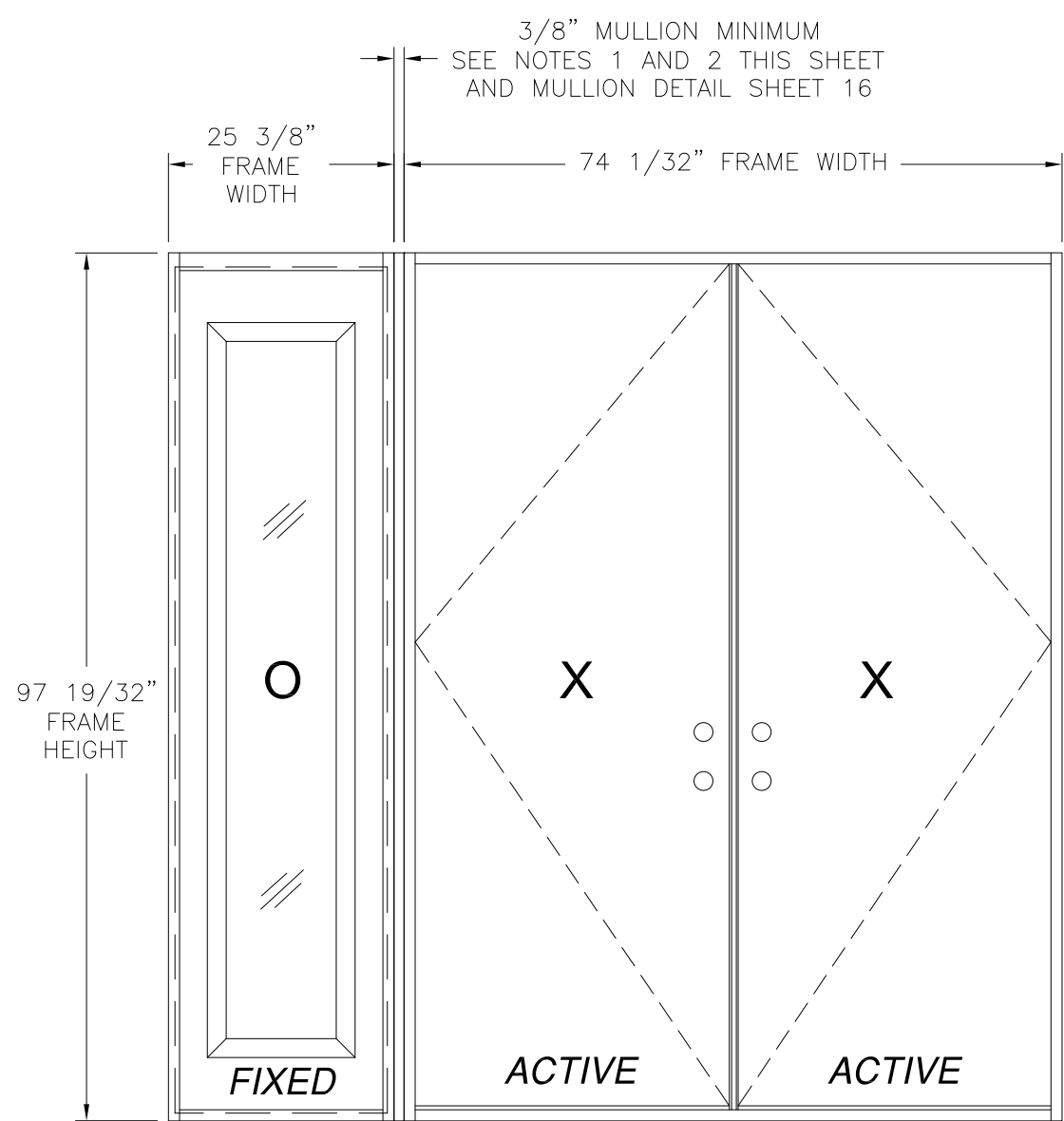
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DOUBLE DOOR W/ DIRECT SET SIDELITE
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3



DOUBLE DOOR WITH STANDARD SIDELITE
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

WITH PANOLOCK MULTI-POINT

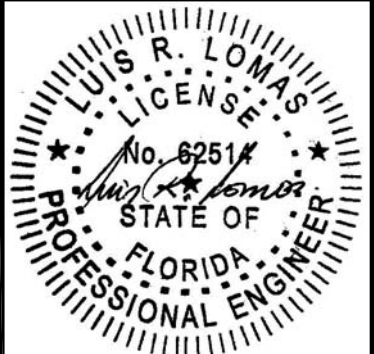
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±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

- NOTES:
- MAXIMUM ALLOWED BUILD UP TO BE 7" AT EACH VERTICAL MULLION.
 - IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.

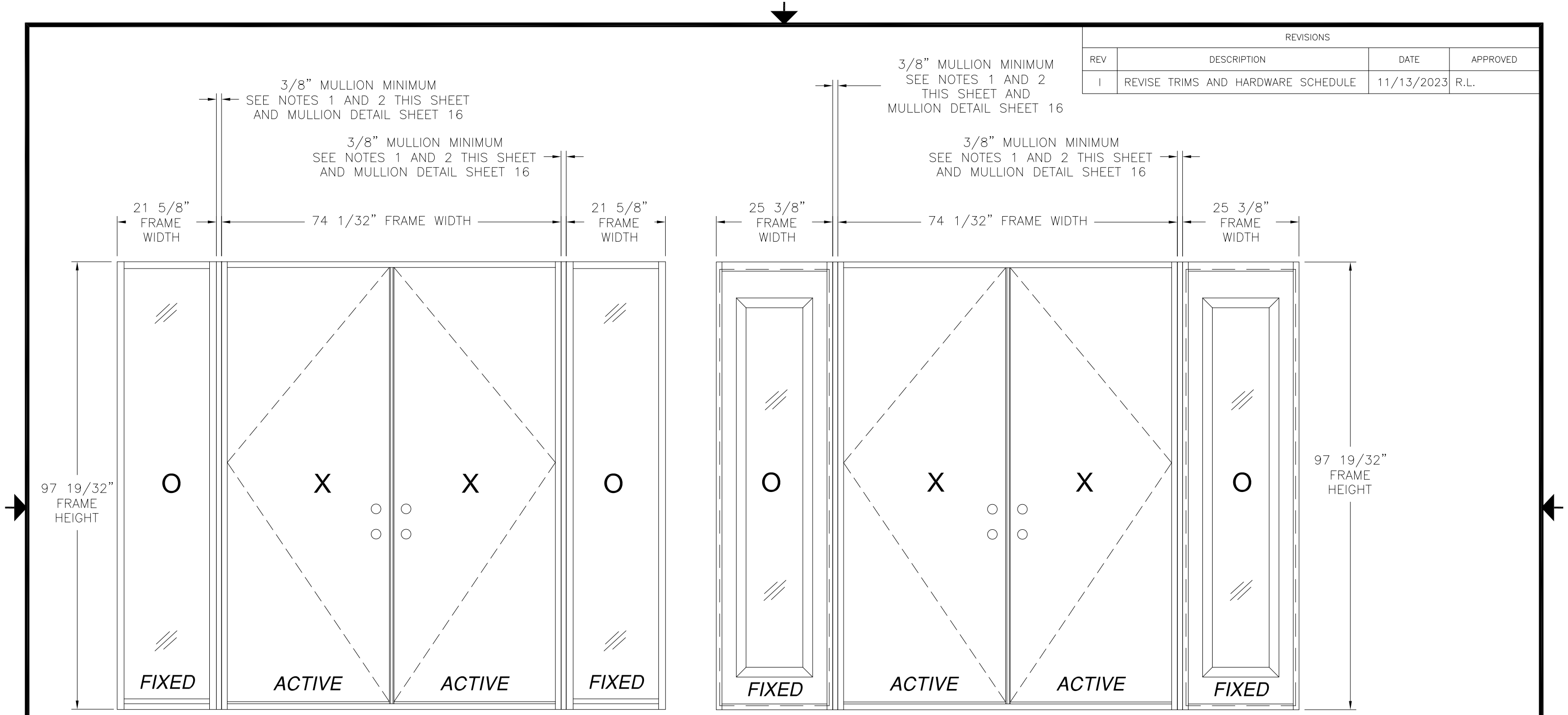
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES – IMPACT ELEVATIONS		
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DOUBLE DOOR WITH DIRECT SET SIDELITES
EXTERIOR VIEW

DOUBLE DOOR WITH STANDARD SIDELITES
EXTERIOR VIEW

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DESIGN PRESSURE RATING	IMPACT RATING
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MISSILE LEVEL D, WIND ZONE 3

WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
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MISSILE LEVEL D, WIND ZONE 3

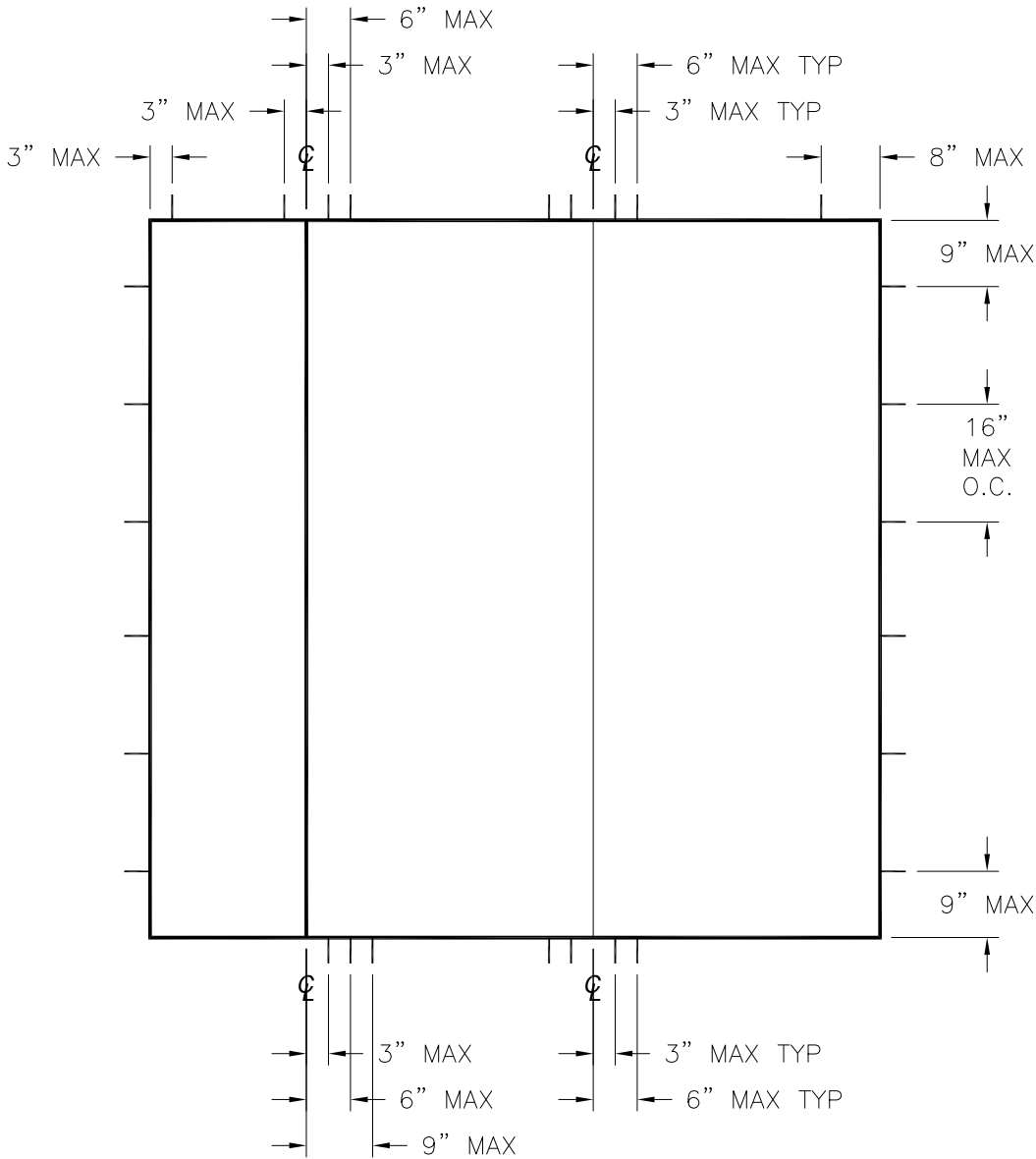
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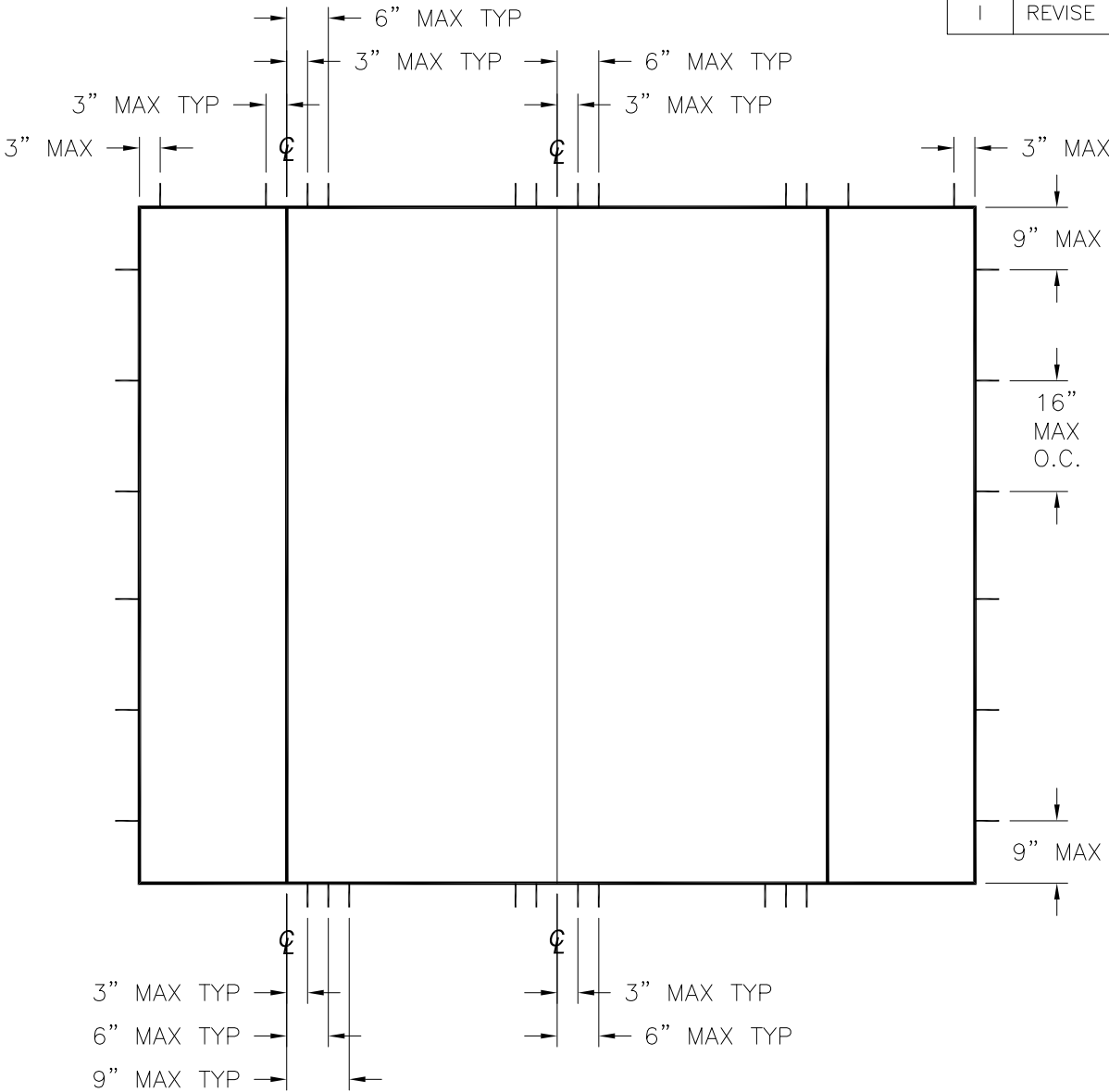
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DOUBLE DOOR WITH SIDELITE

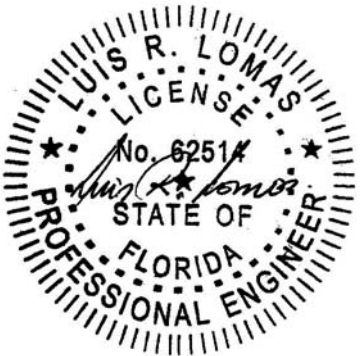


DOUBLE DOOR WITH SIDELITES

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)

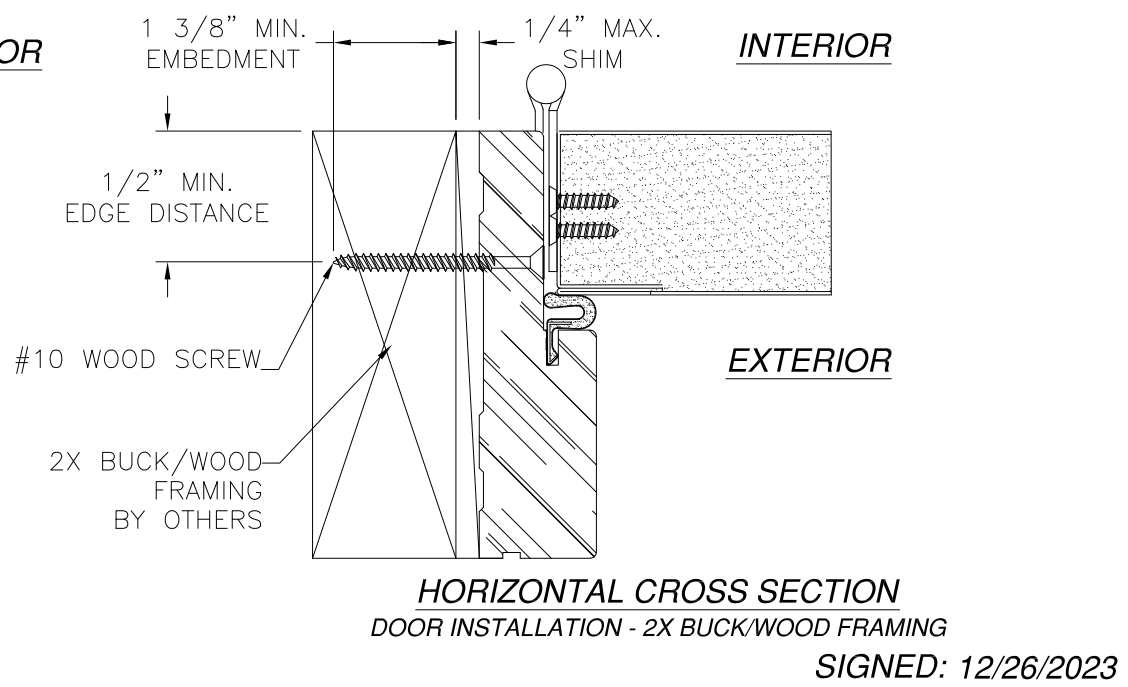
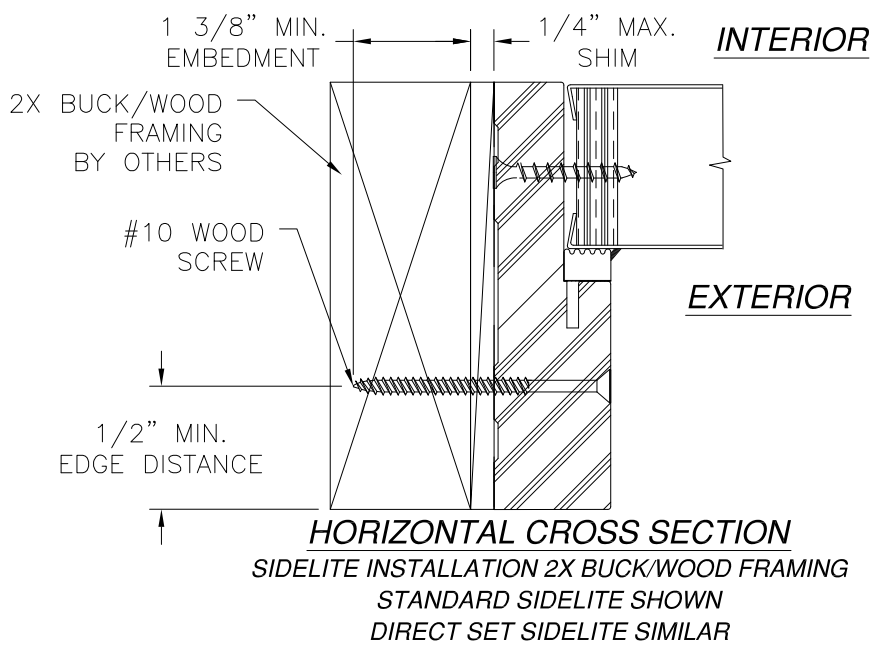
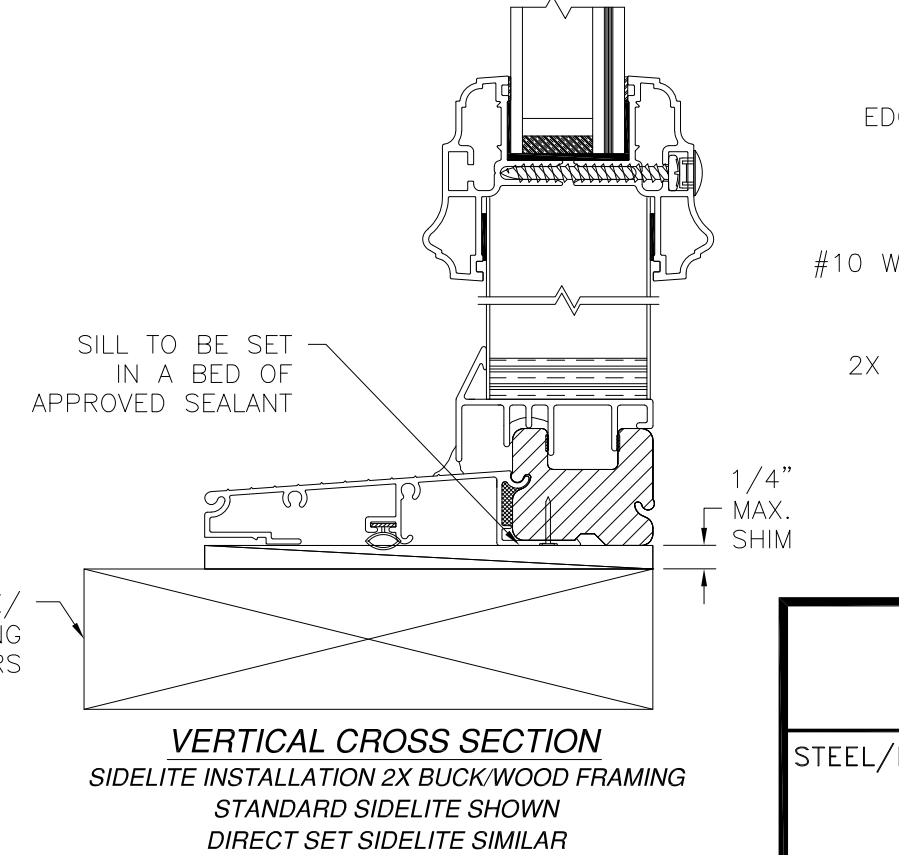
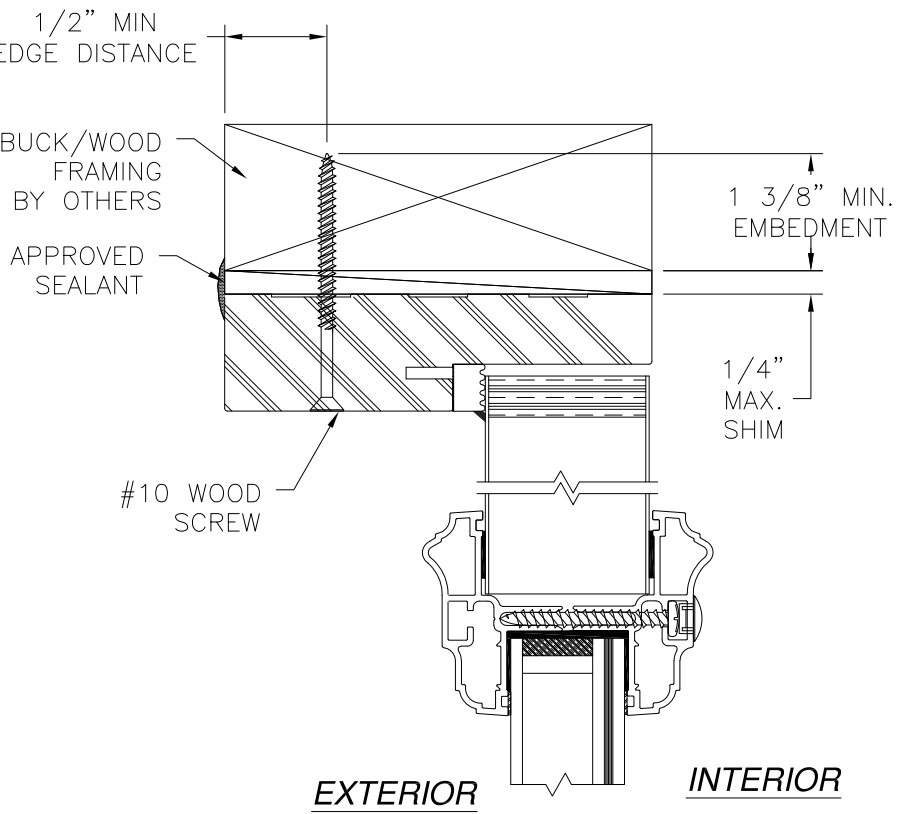
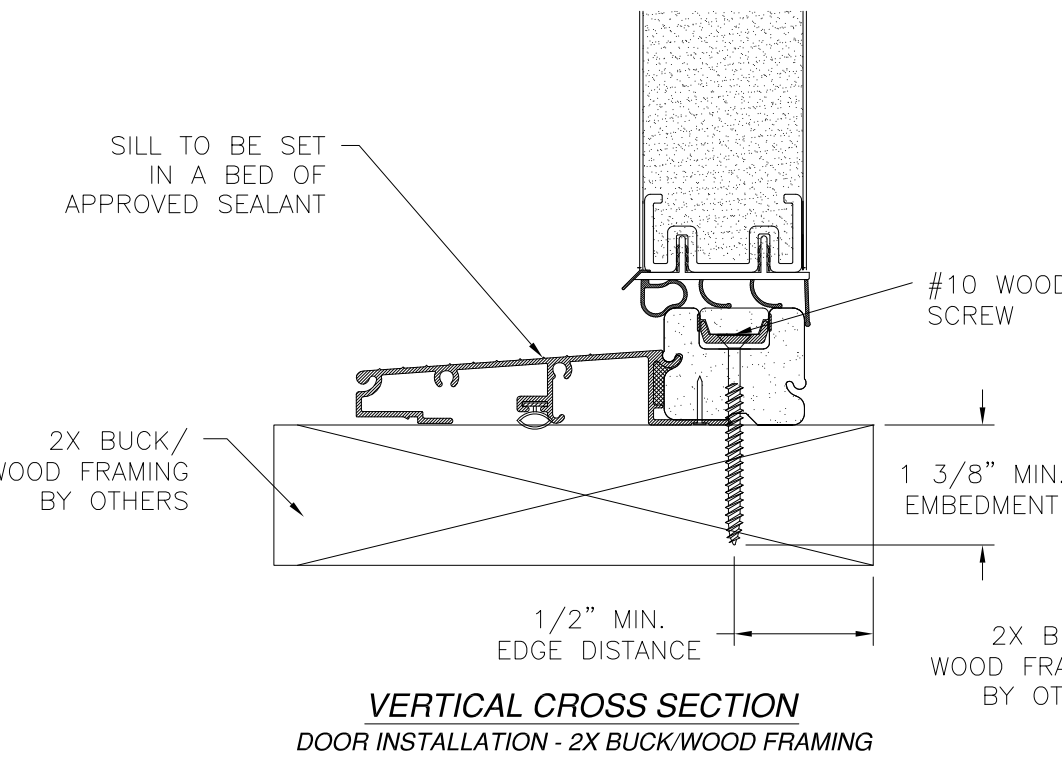
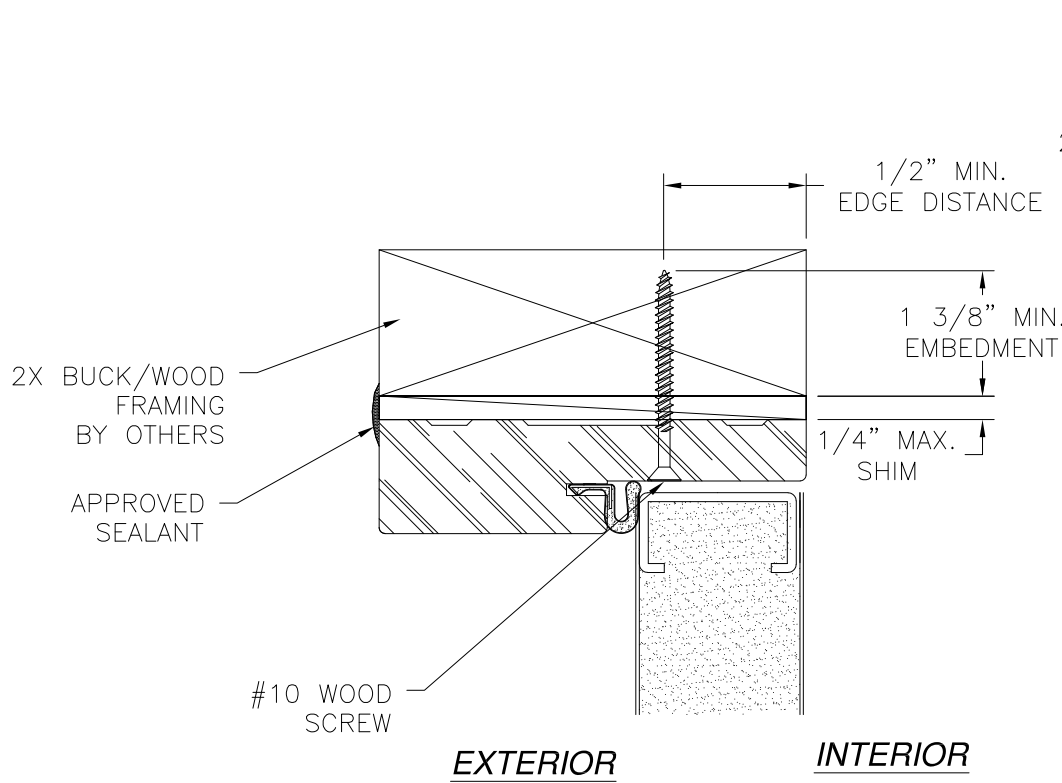
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES – IMPACT
INSTALLATION DETAILS

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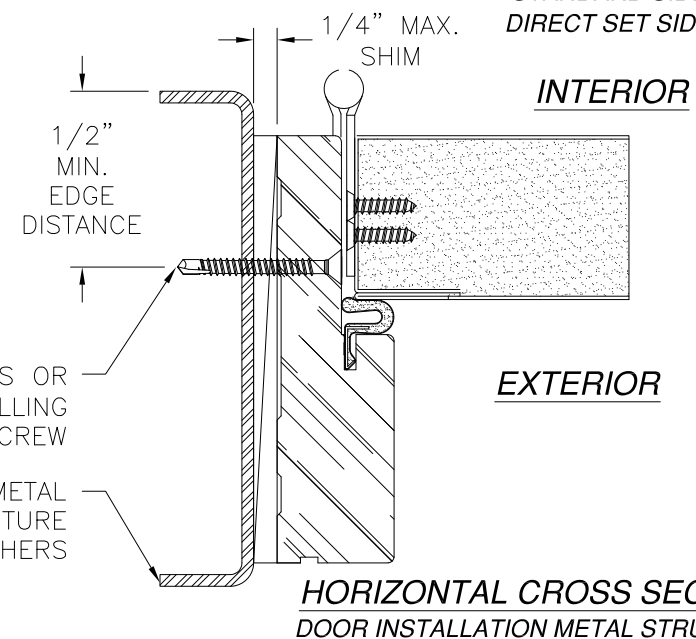
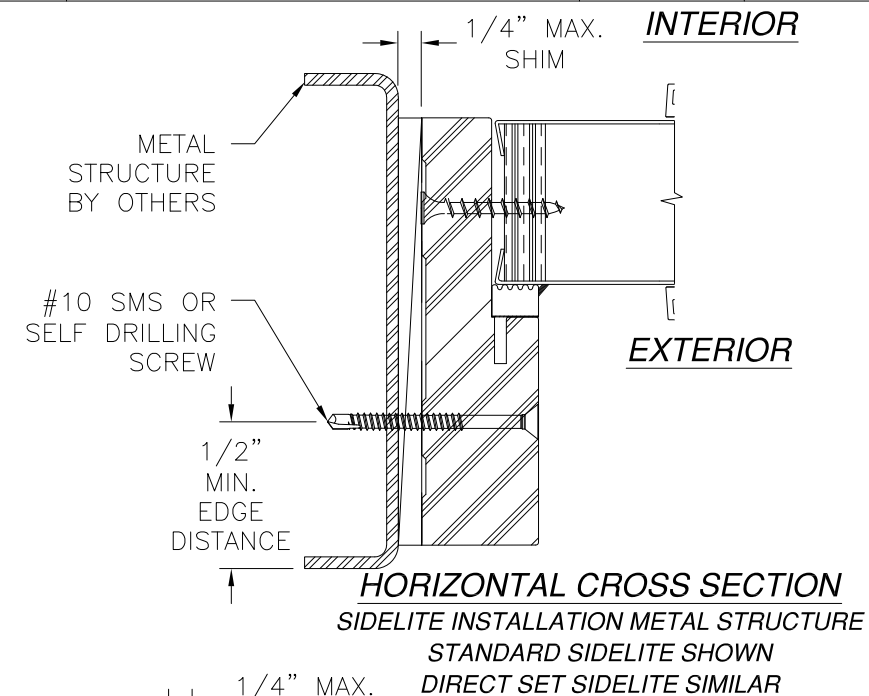
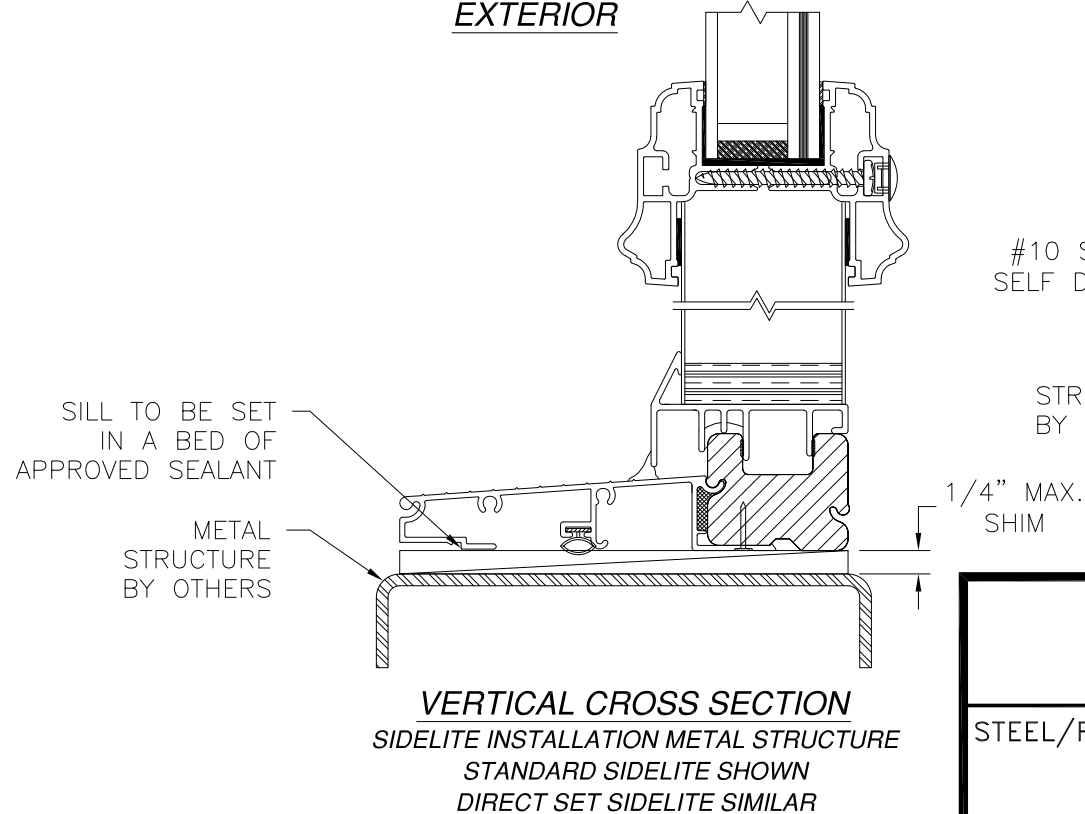
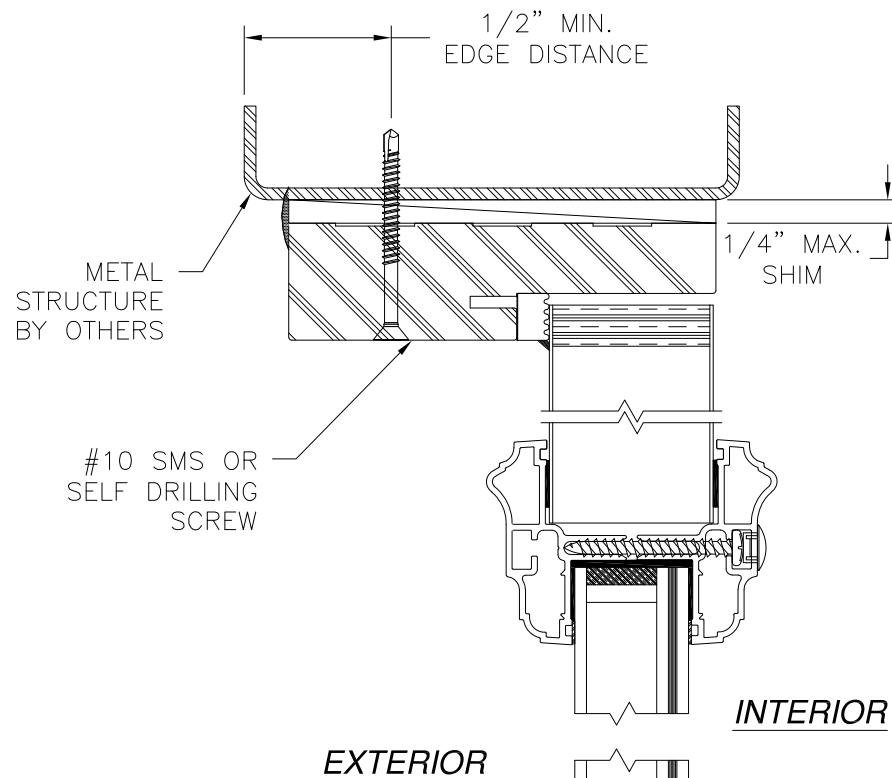
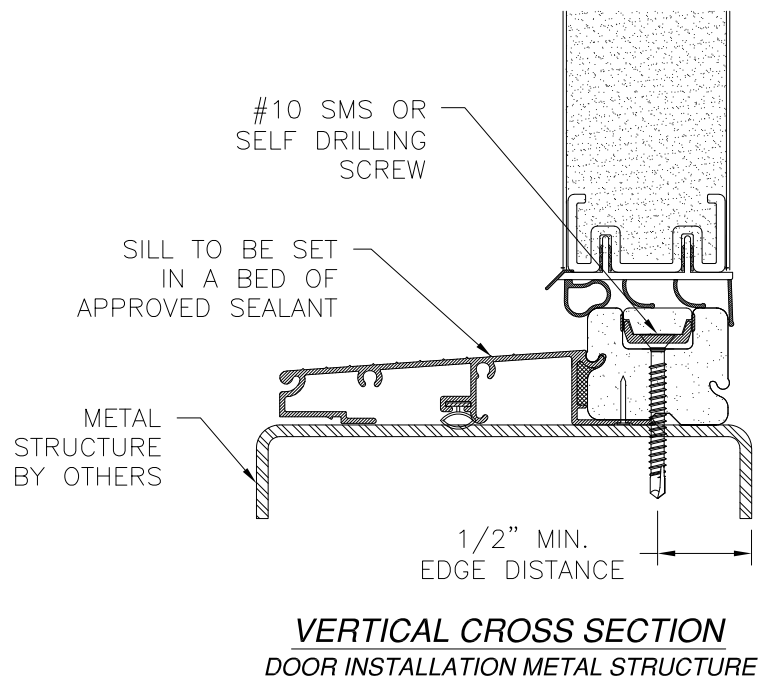
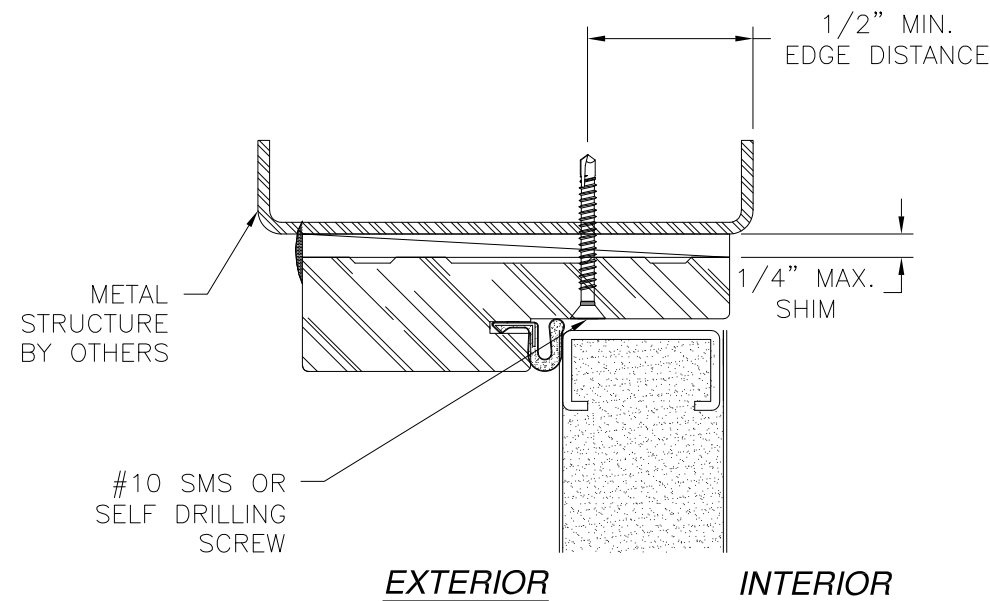
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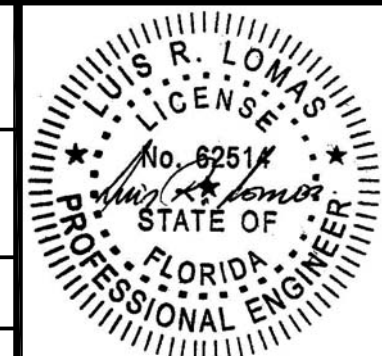
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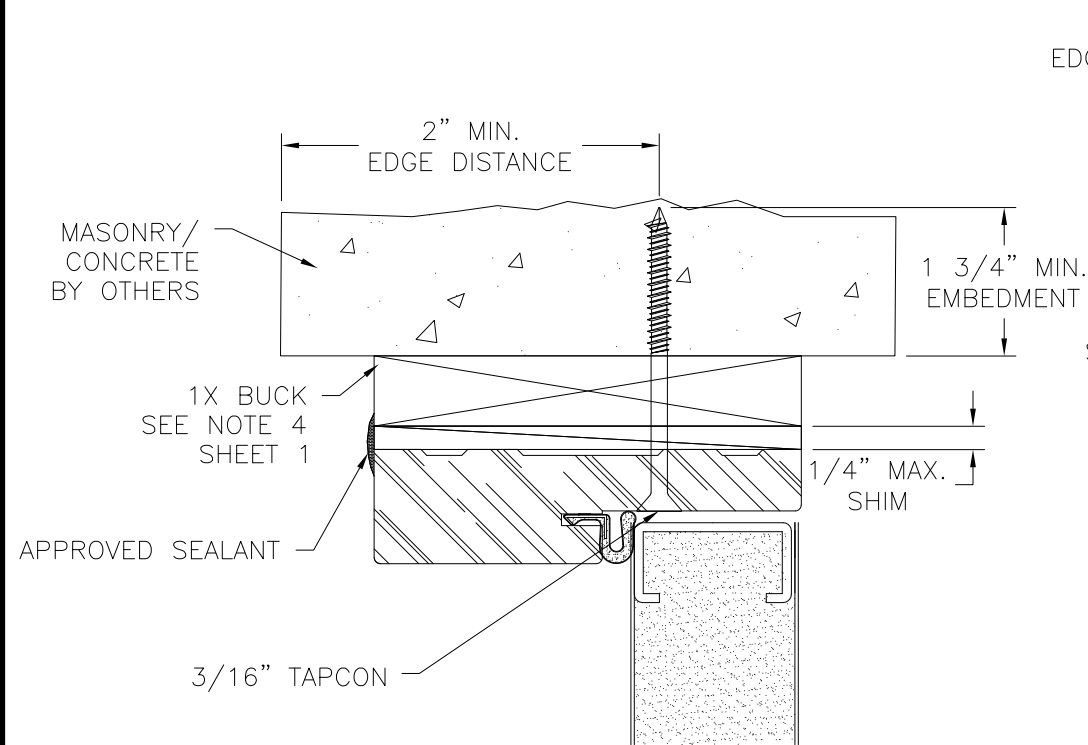
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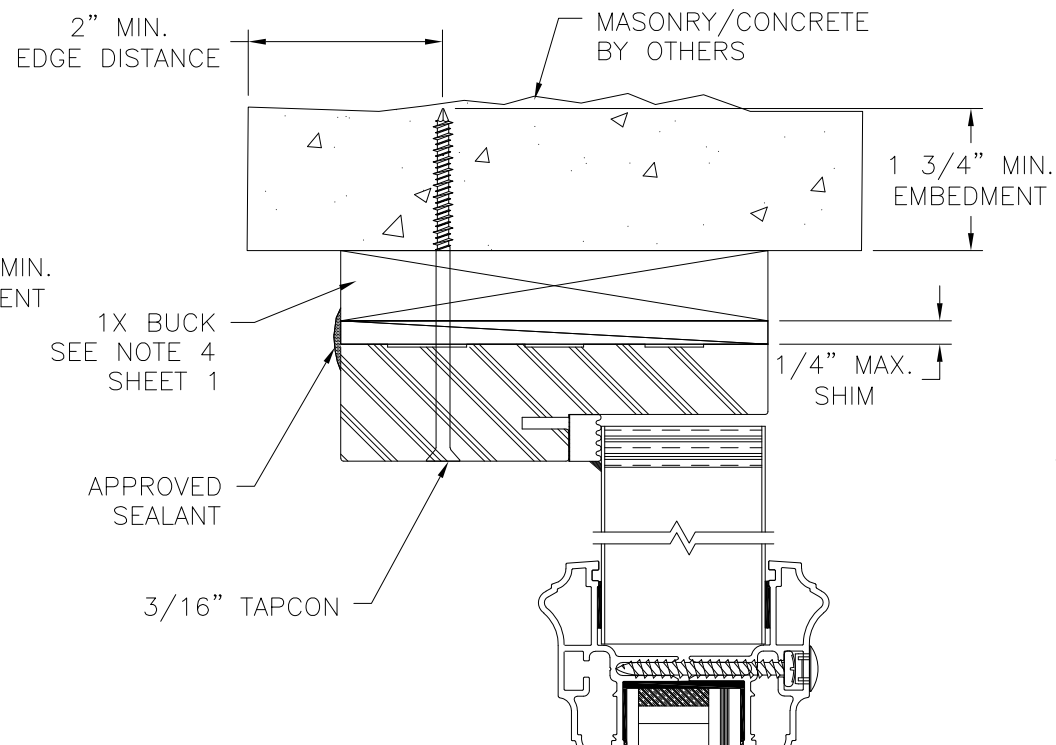
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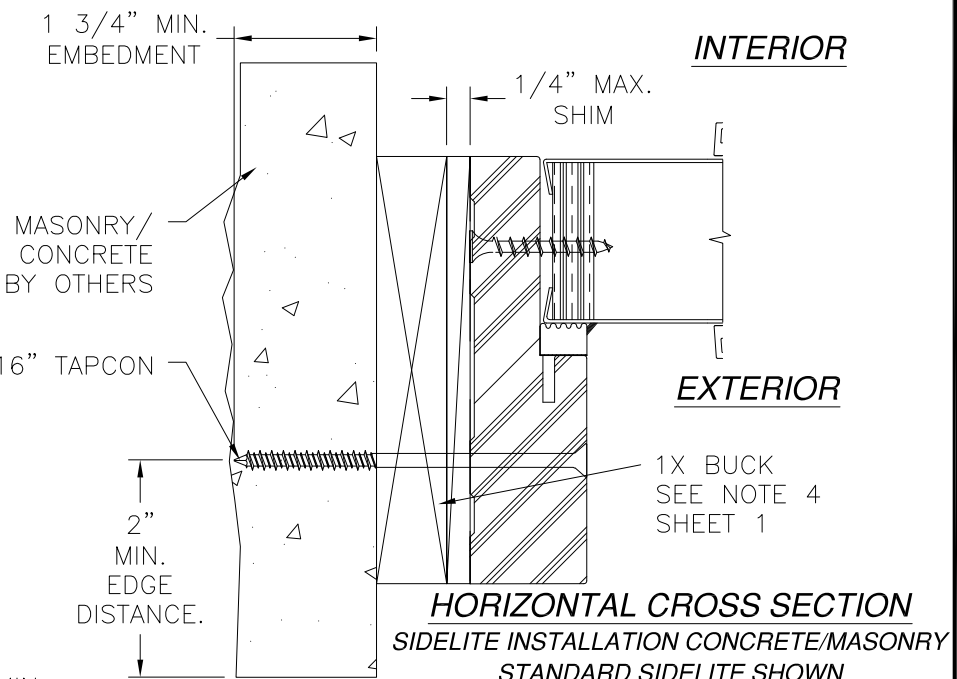
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INTERIOR

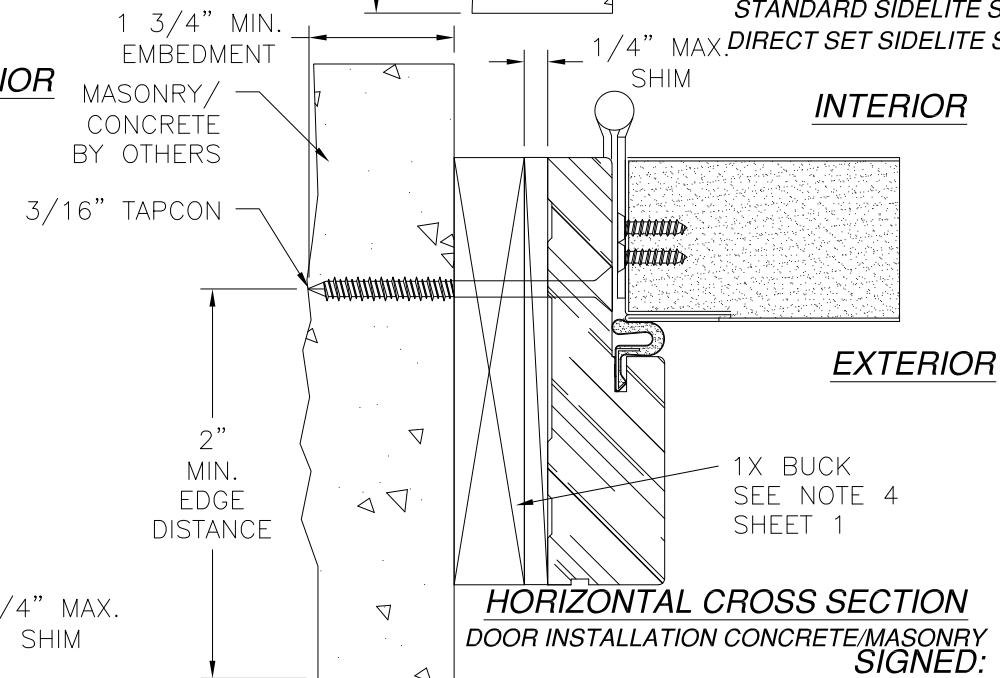


EXTERIOR

INTERIOR



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



HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY
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SIDELITE INSTALLATION MASONRY/CONCRETE
STANDARD SIDELITE SHOWN
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SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES – IMPACT
INSTALLATION DETAILS

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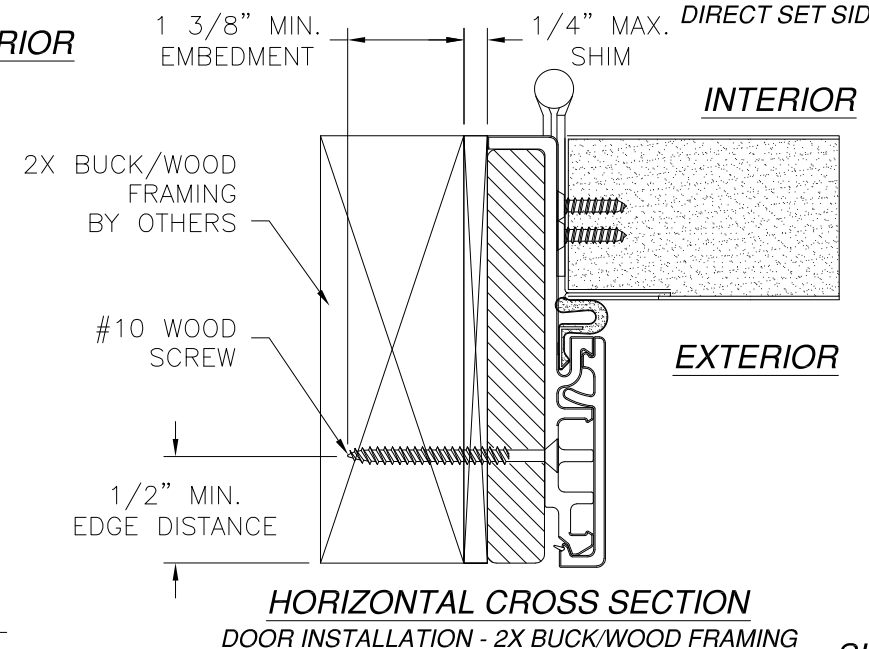
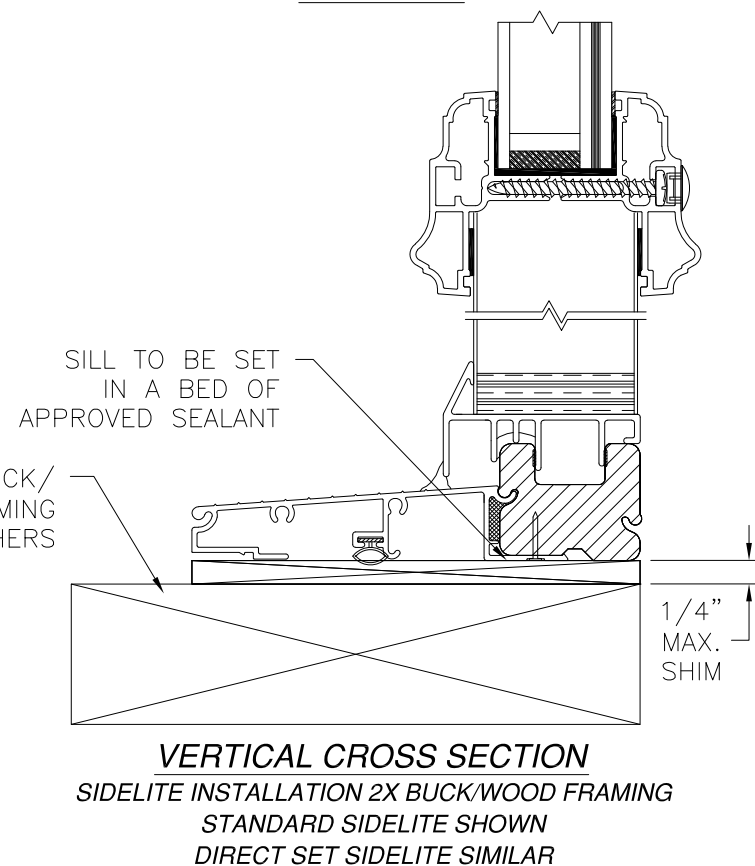
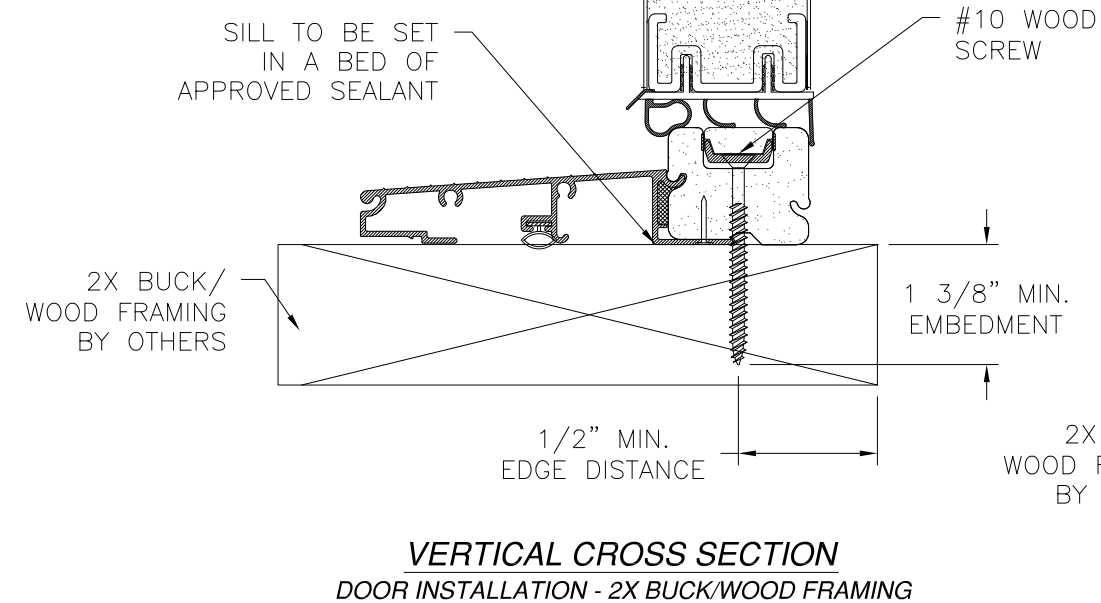
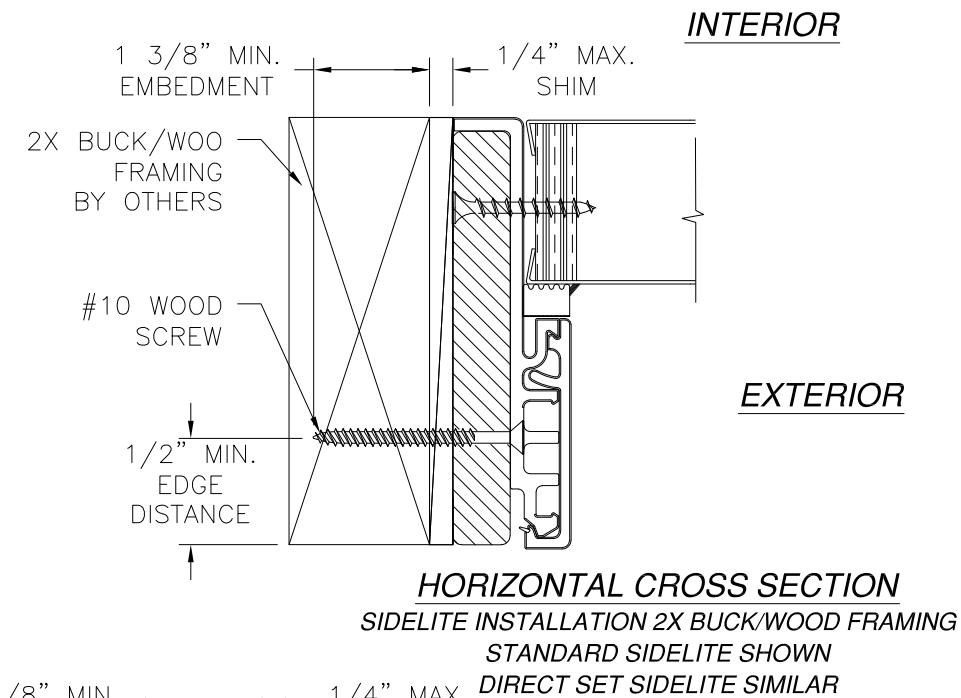
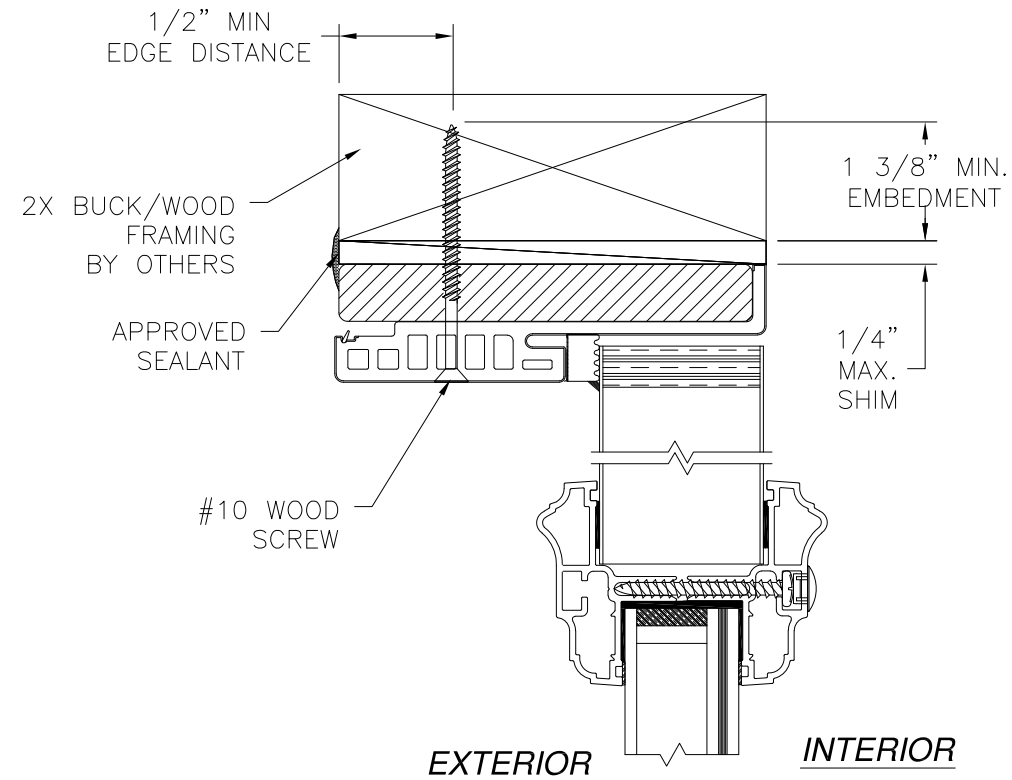
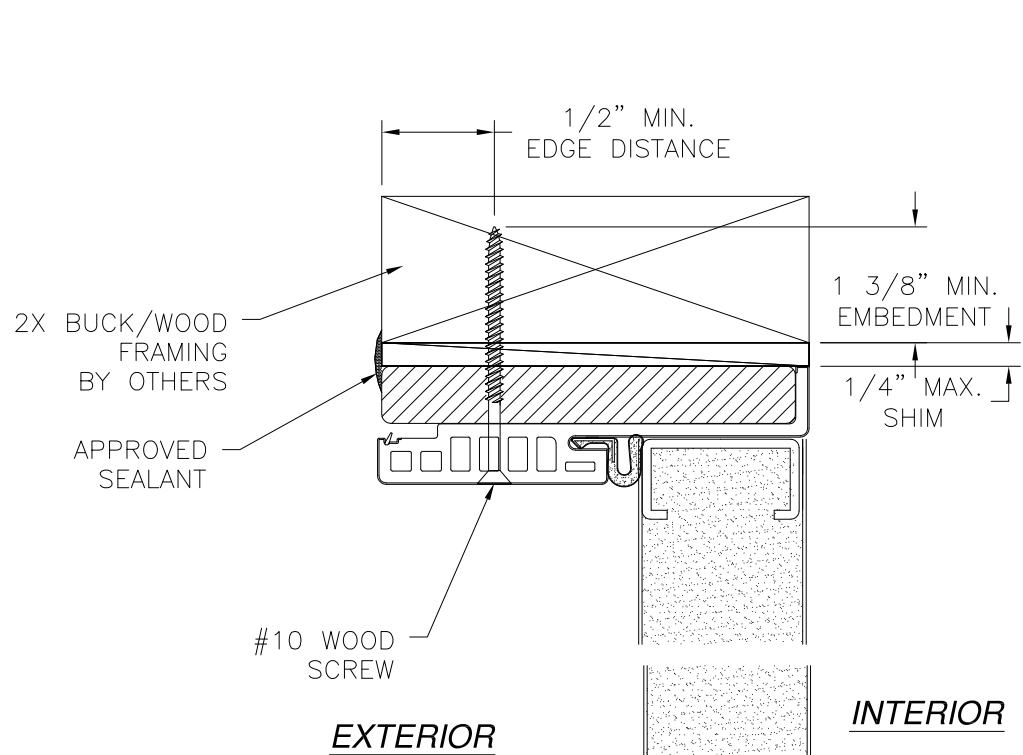
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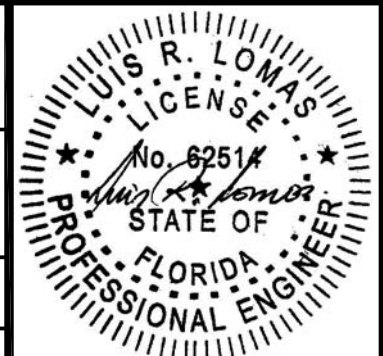
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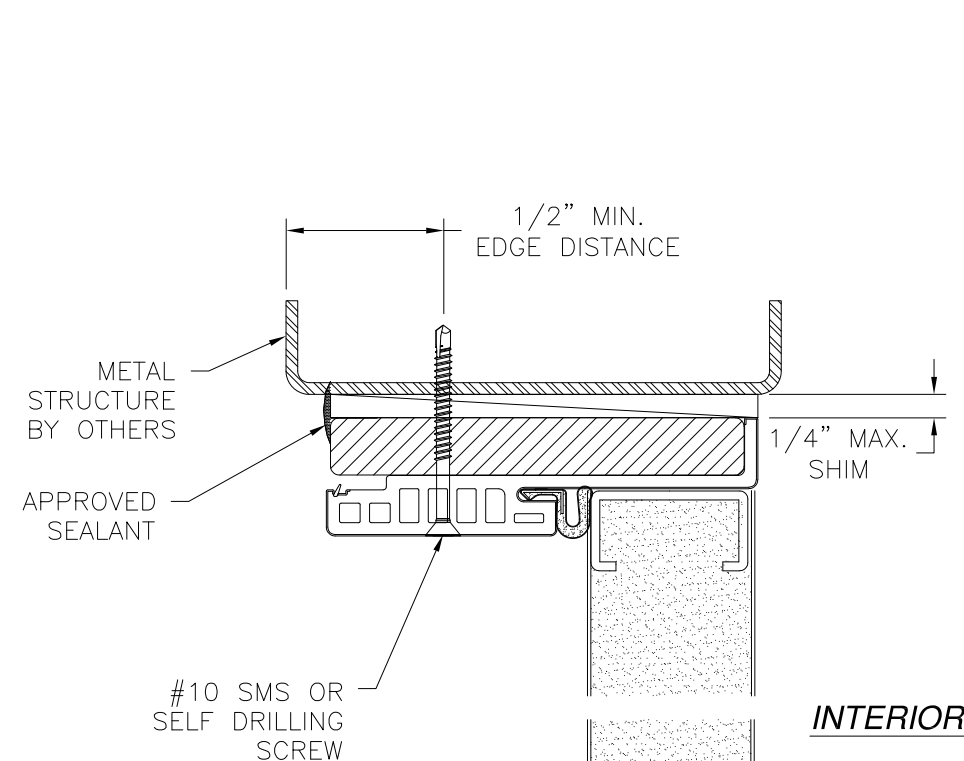
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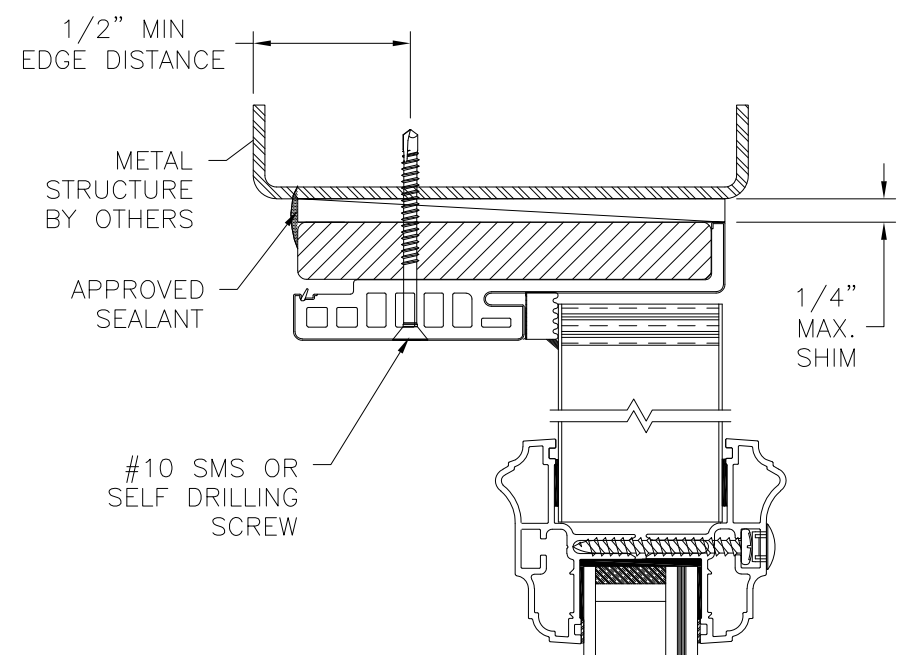


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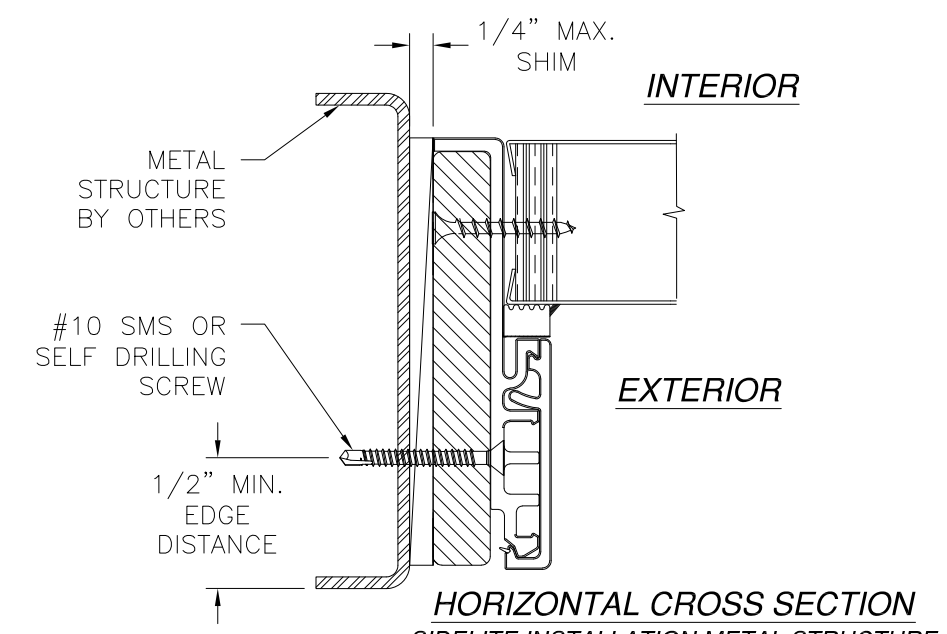
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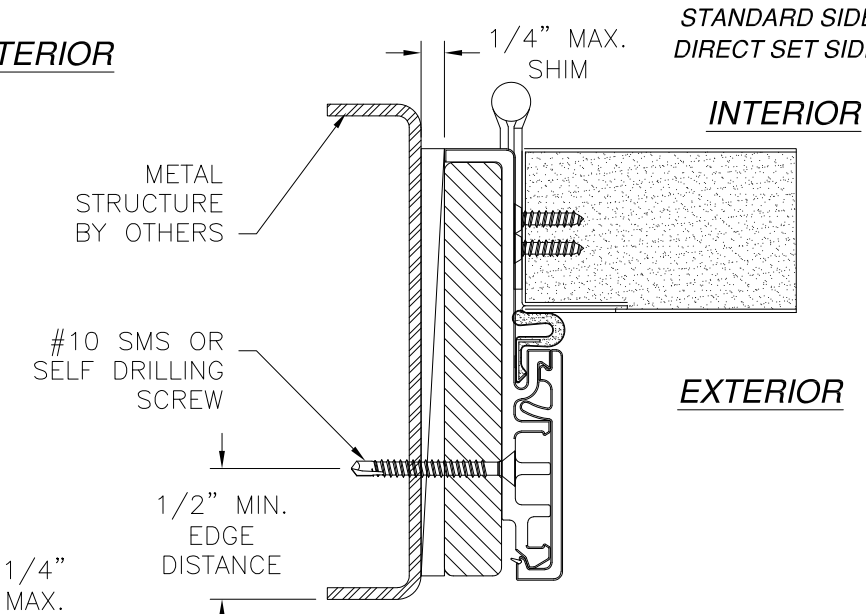
VERTICAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE



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



HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
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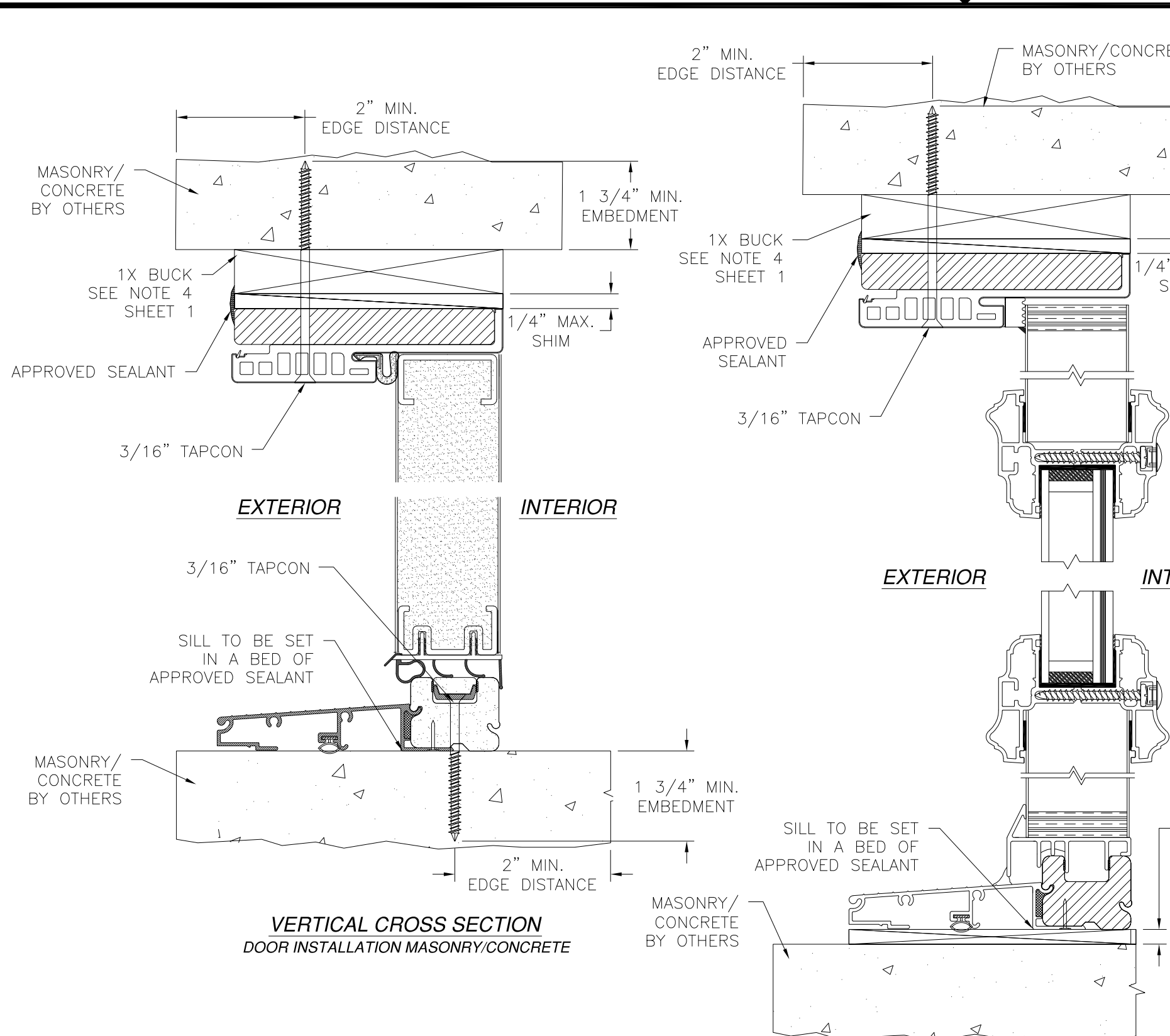
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W/SIDELITES – IMPACT
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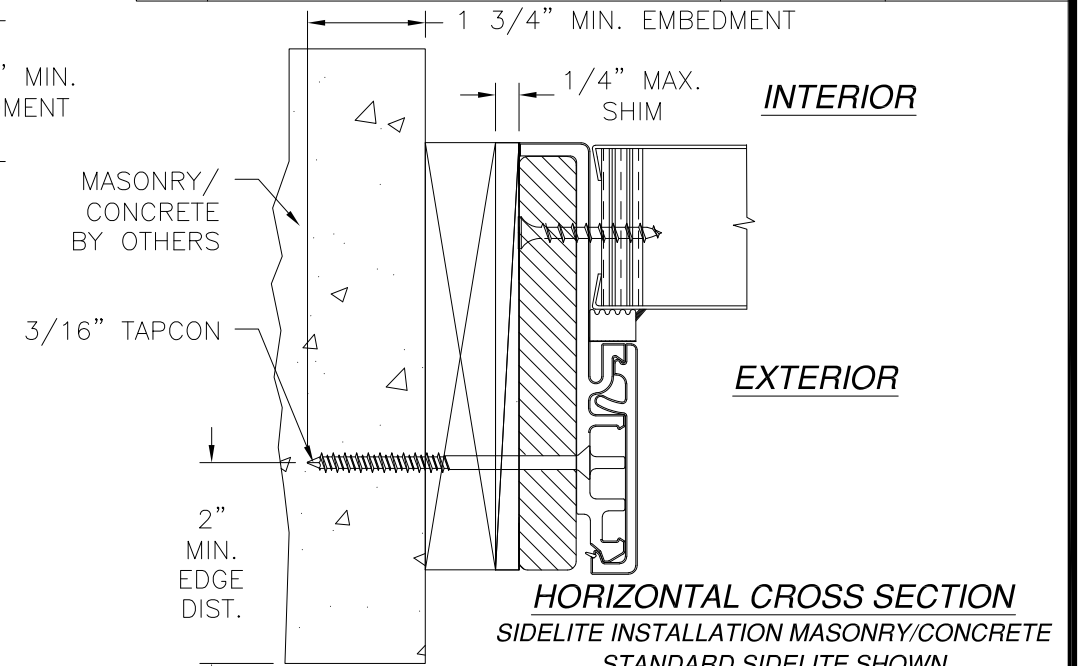


VERTICAL CROSS SECTION
DOOR INSTALLATION MASONRY/CONCRETE

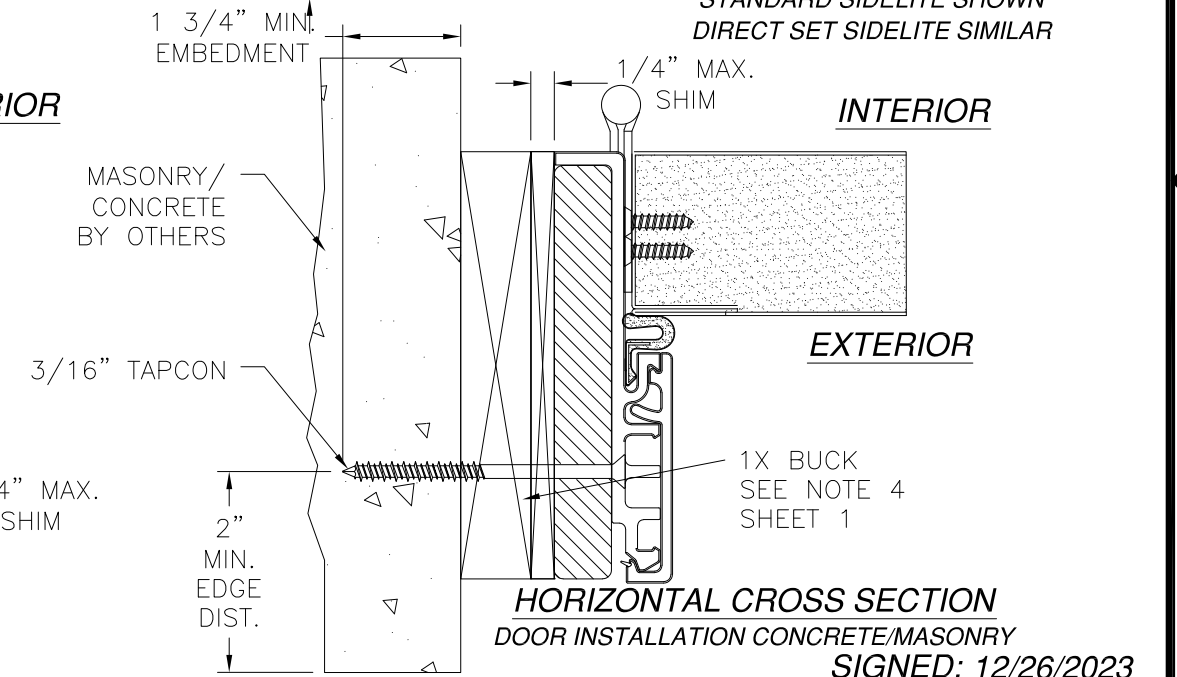
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
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INSTALLATION DETAILS W/FUSION FRAME

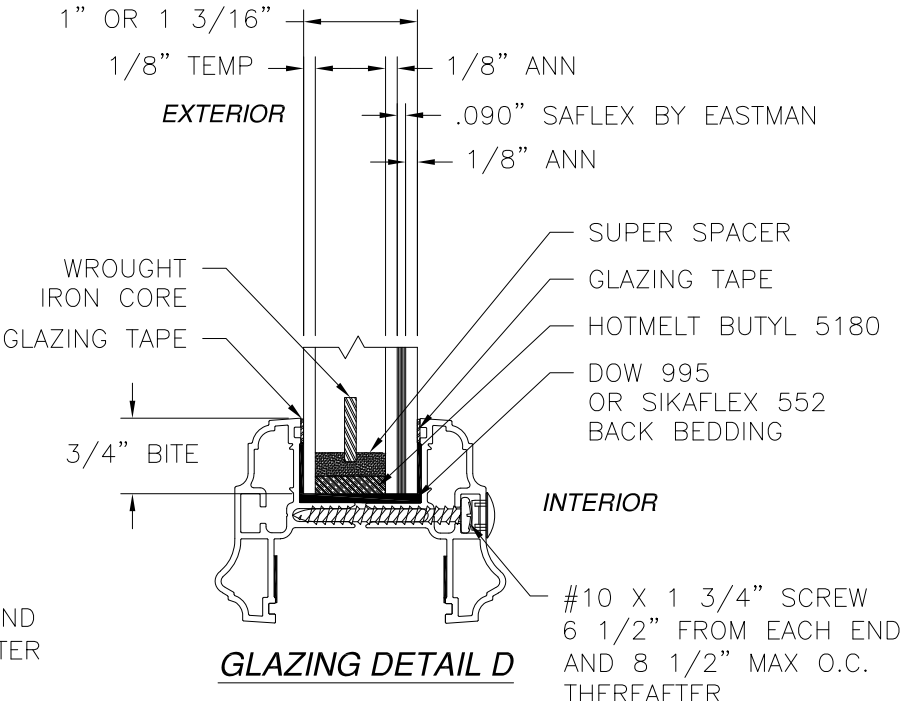
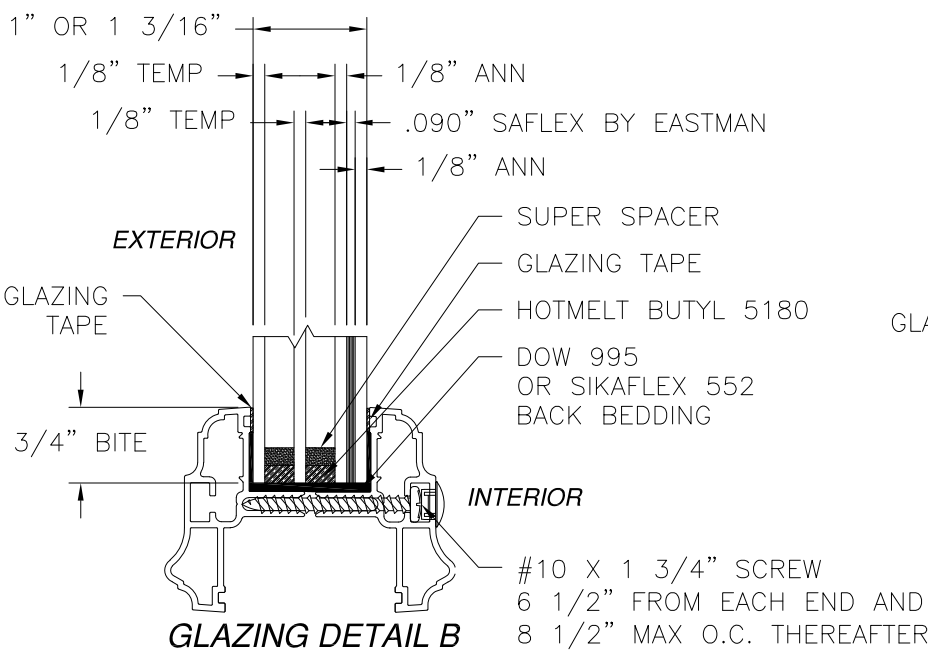
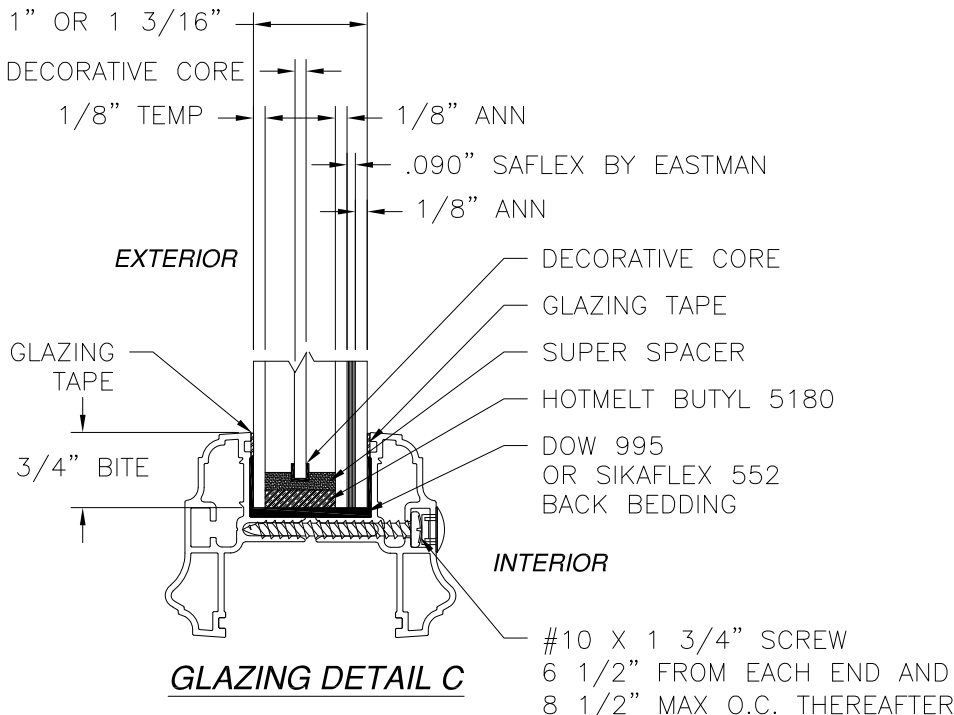
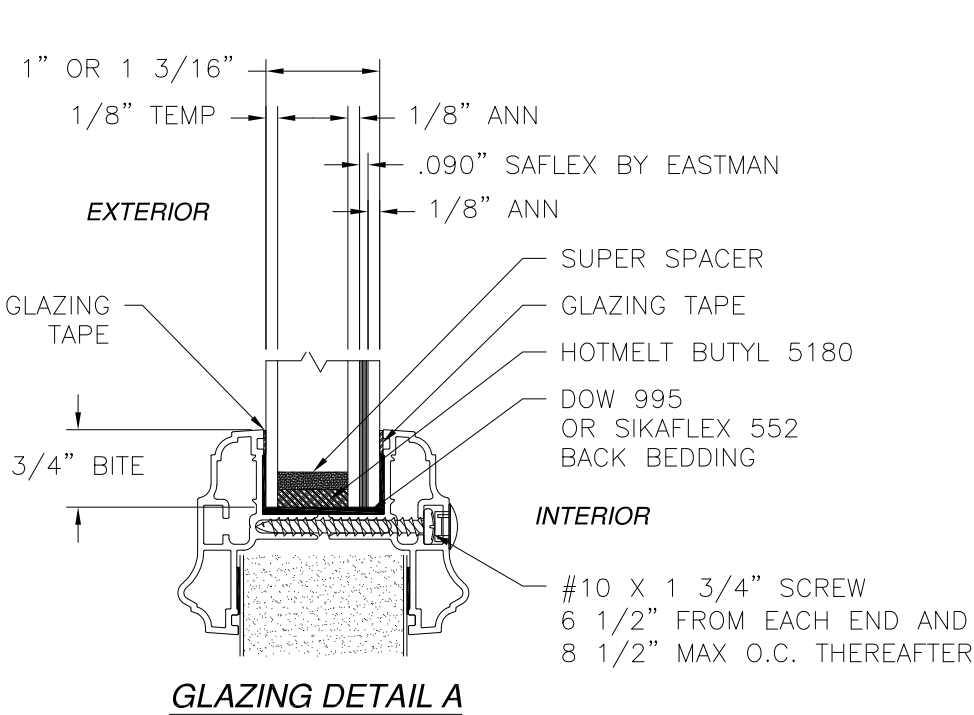
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 10 OF 17

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

LUIS R. LOMAS
LICENSED PROFESSIONAL ENGINEER
No. 62514
STATE OF FLORIDA

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.



SIGNED: 12/26/2023

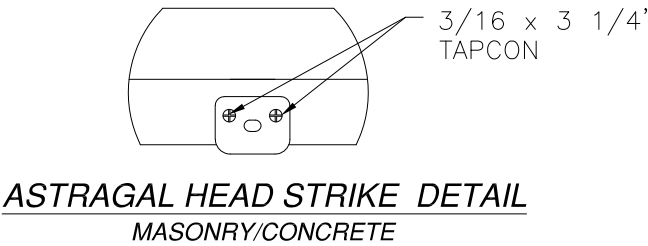
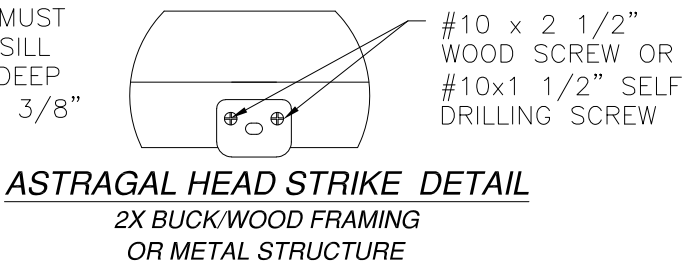
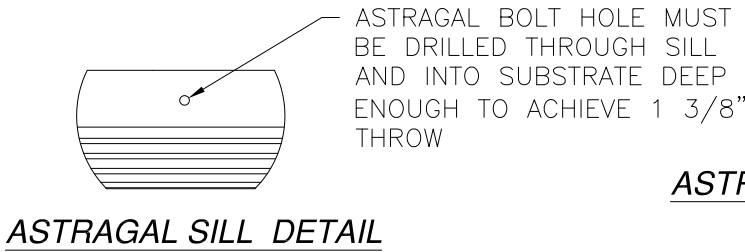
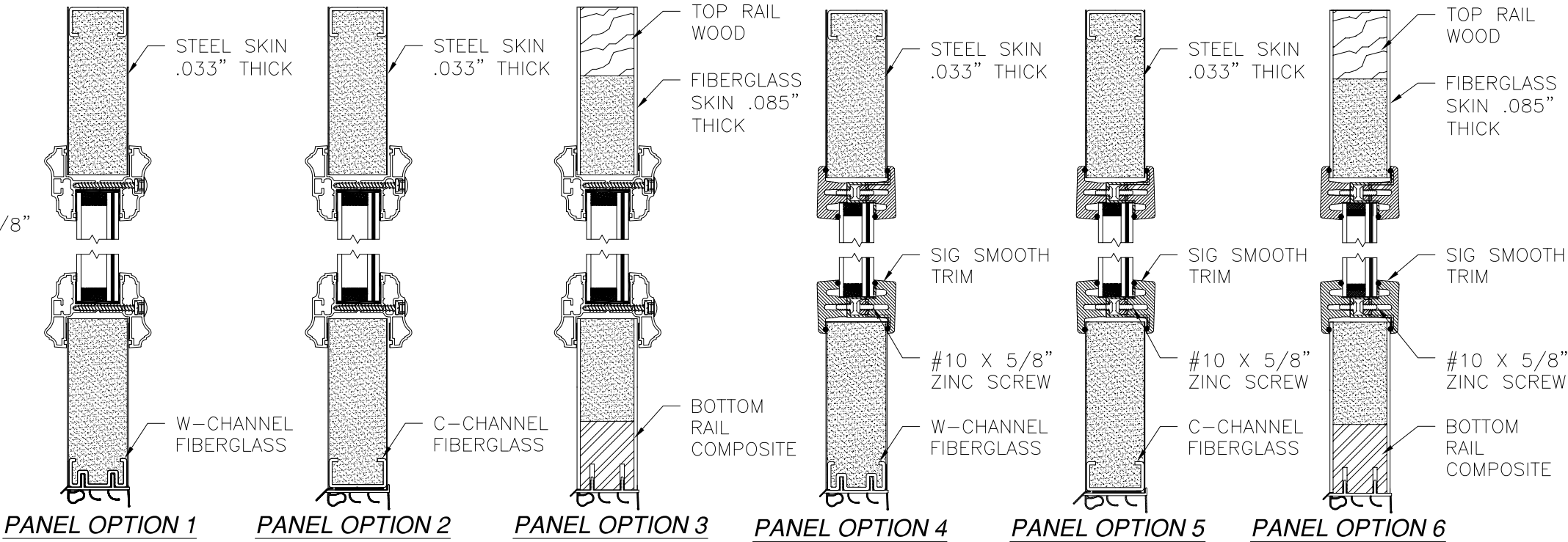
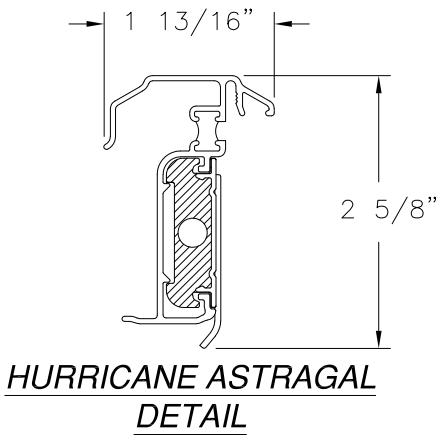
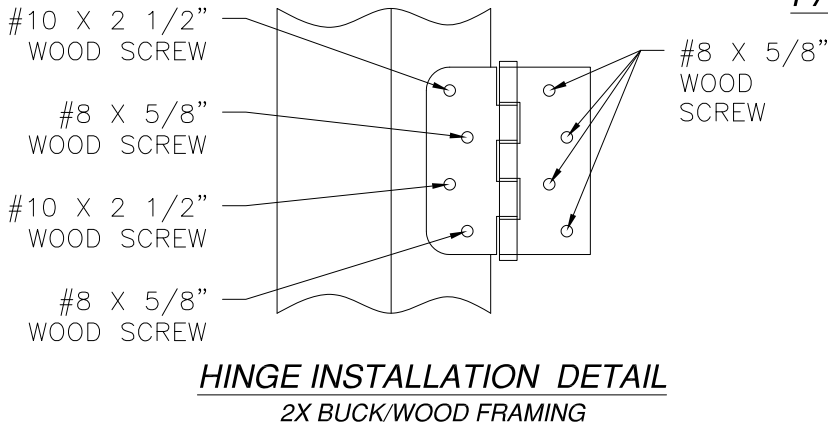
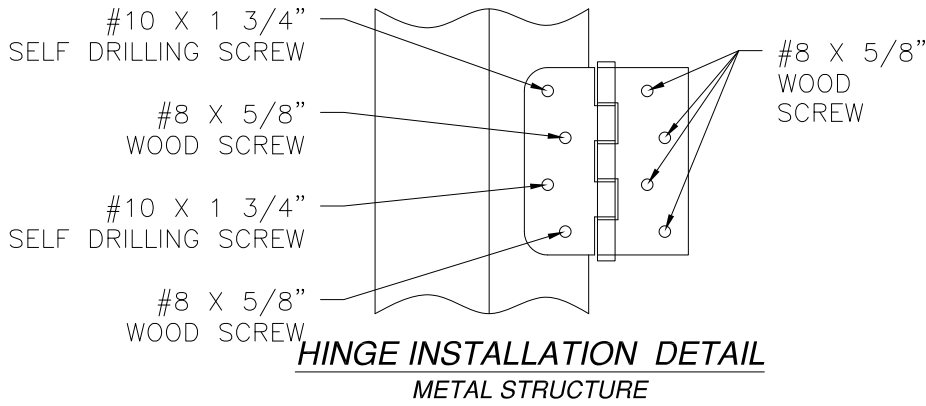
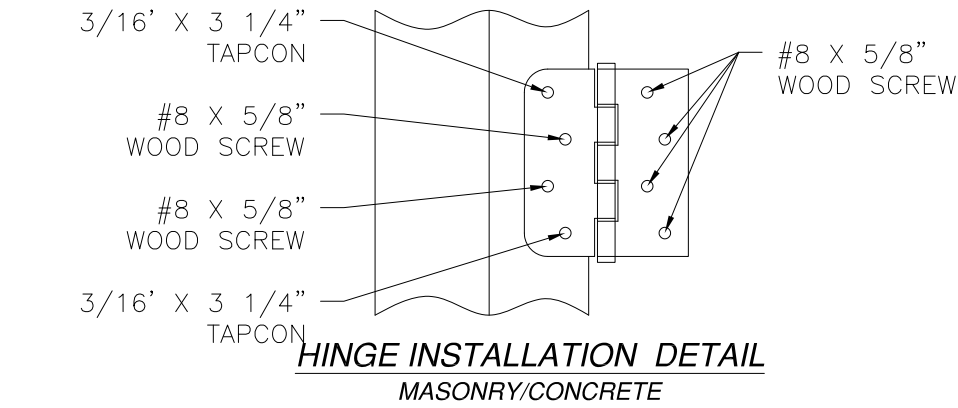
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES - IMPACT GLAZING DETAILS		
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 11 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.

APPROVED SIDELITE SLABS



SIGNED: 12/26/2023

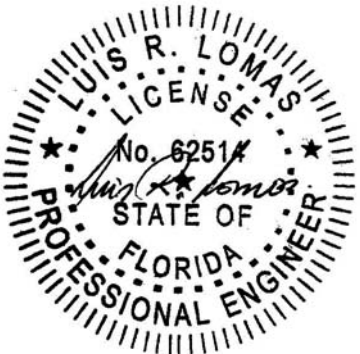
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: V.L. DWG NO. 08-02038 REV I

SCALE NTS DATE 04/22/13 SHEET 12 OF 17

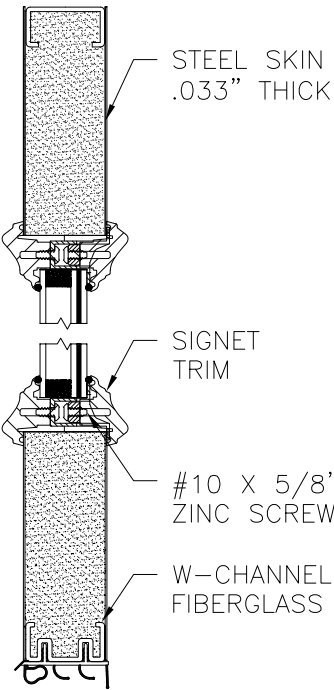
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



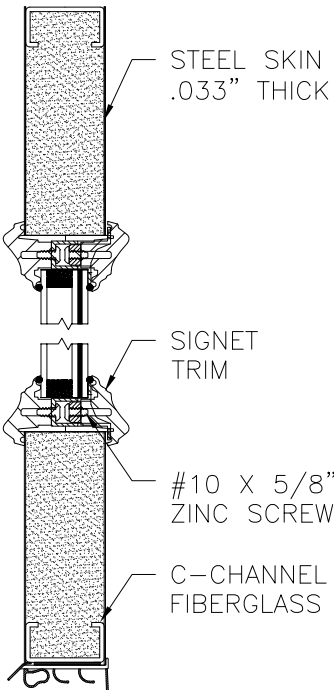
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SIDELITE SLABS

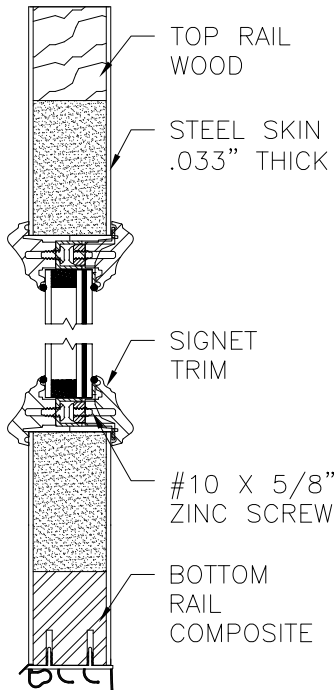
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.



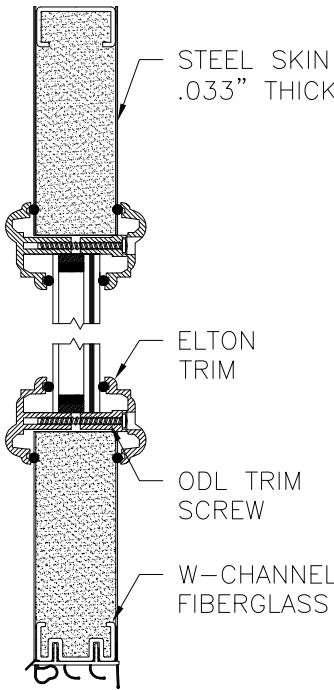
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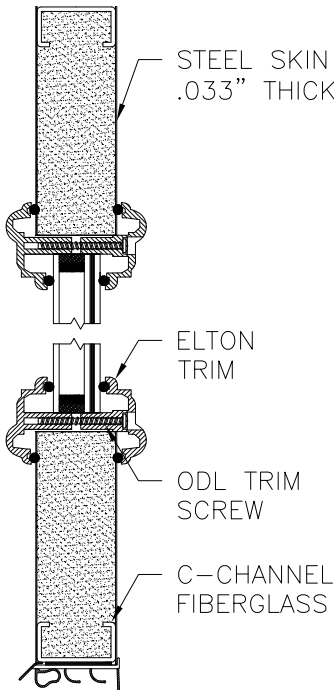
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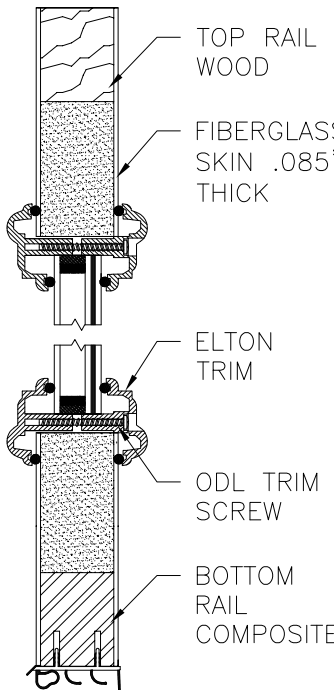
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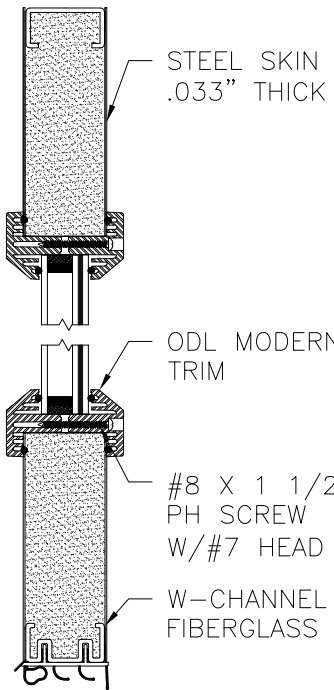
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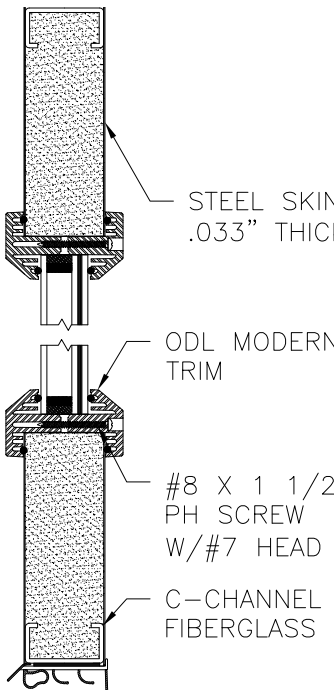
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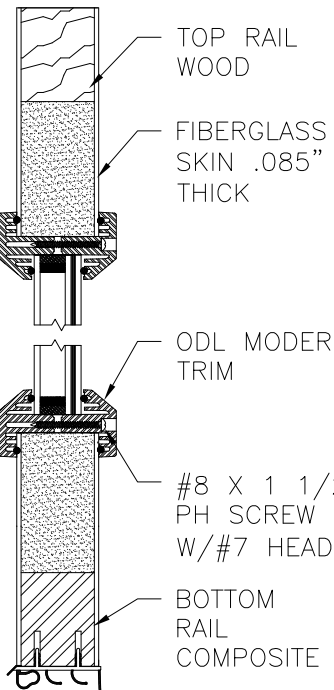
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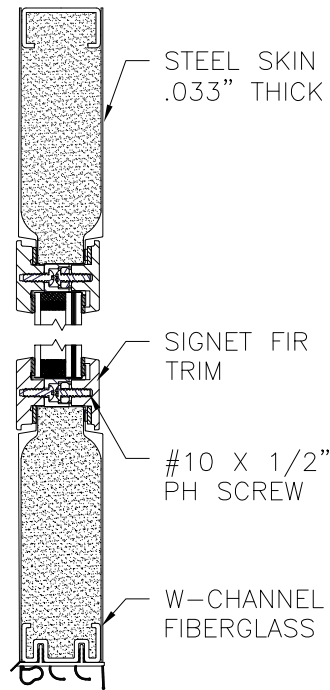
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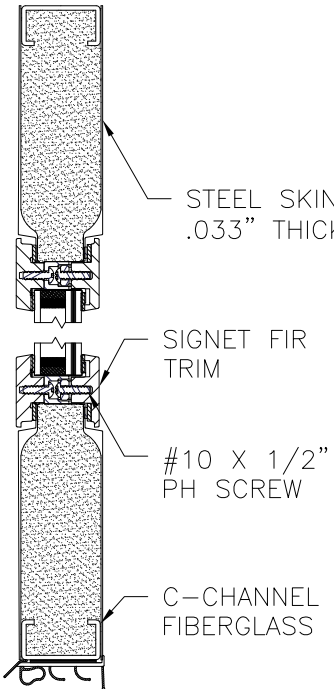
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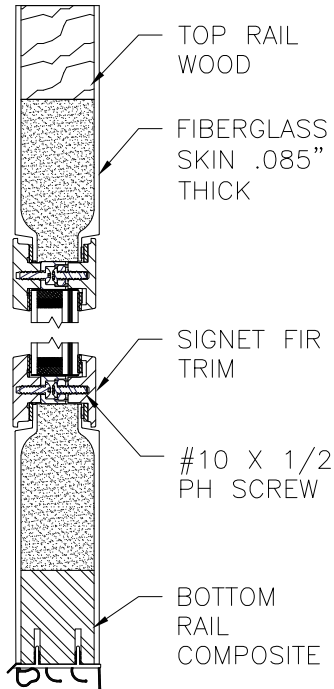
PANEL OPTION 15



PANEL OPTION 16



PANEL OPTION 17



PANEL OPTION 18

SIGNED: 12/26/2023

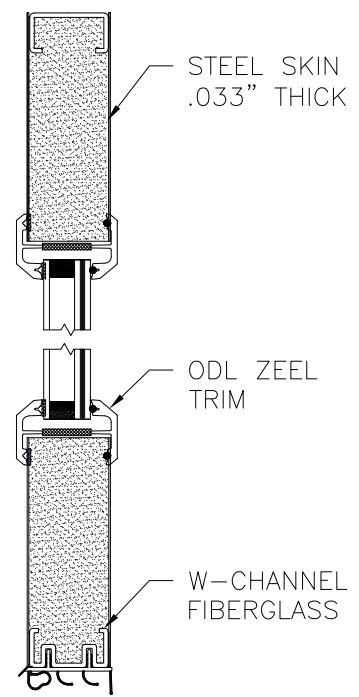
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES - IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 13 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



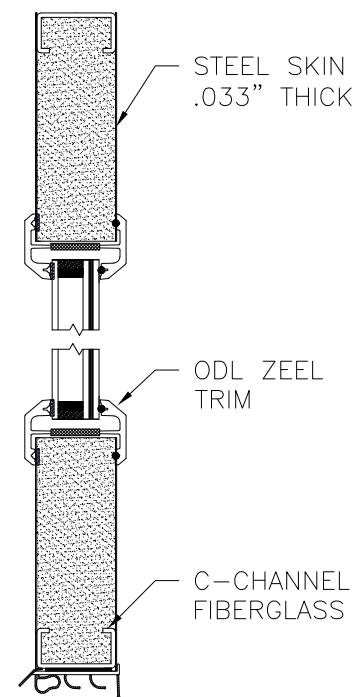
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SIDELITE SLABS

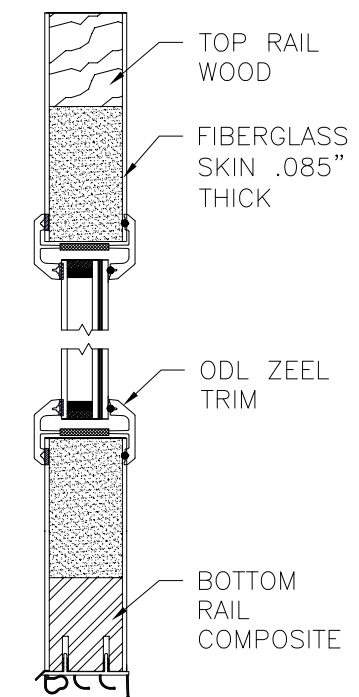
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.



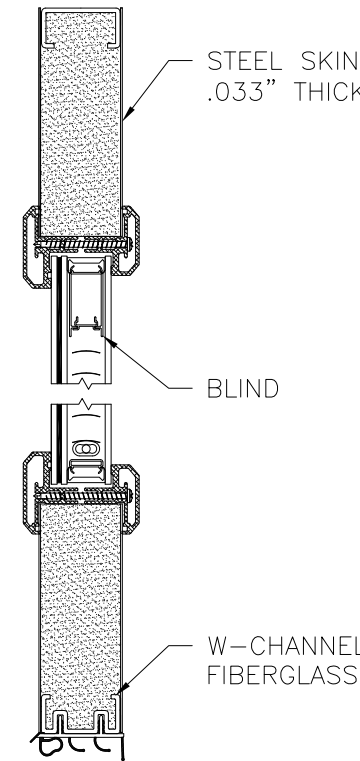
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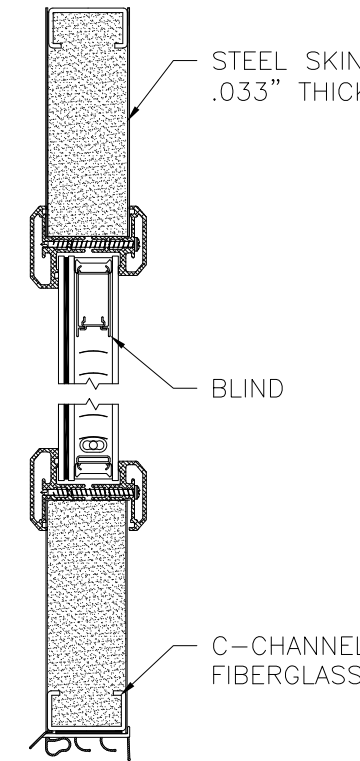
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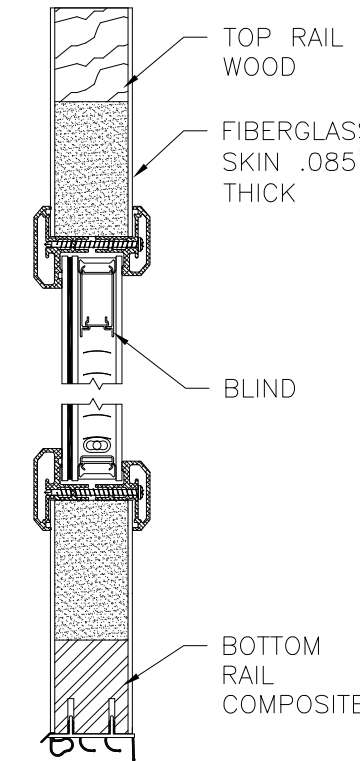
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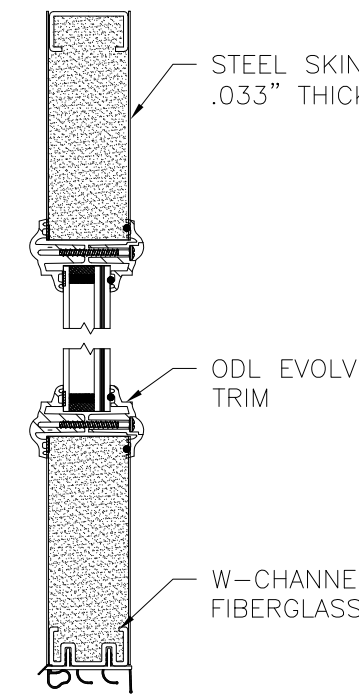
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SEVERE WEATHER DUAL
GLAZED BLINDS



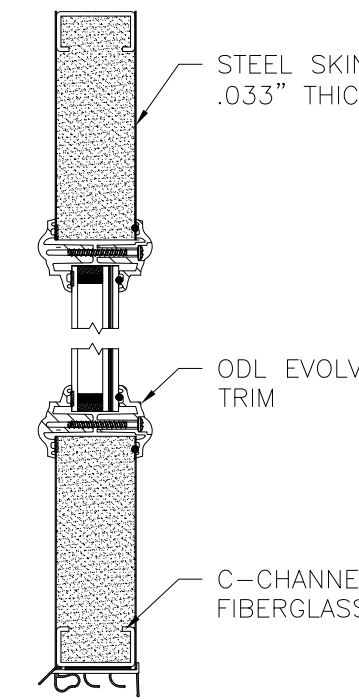
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GLAZED BLINDS



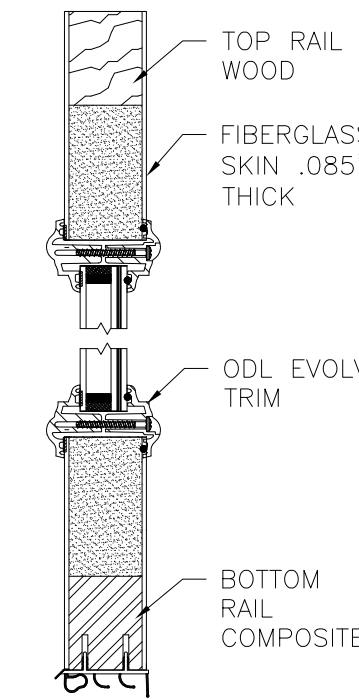
PANEL OPTION 27
SEVERE WEATHER DUAL
GLAZED BLINDS



PANEL OPTION 22



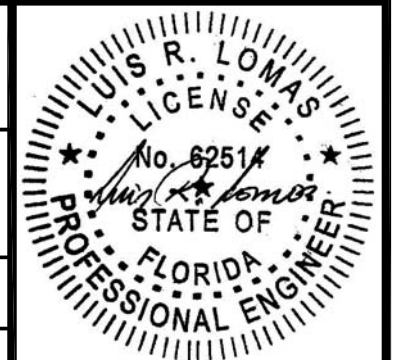
PANEL OPTION 23



PANEL OPTION 24

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES - IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 14 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

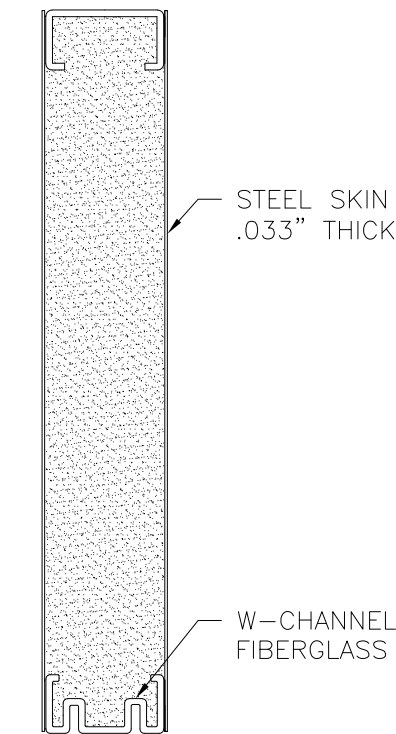
SIGNED: 12/26/2023



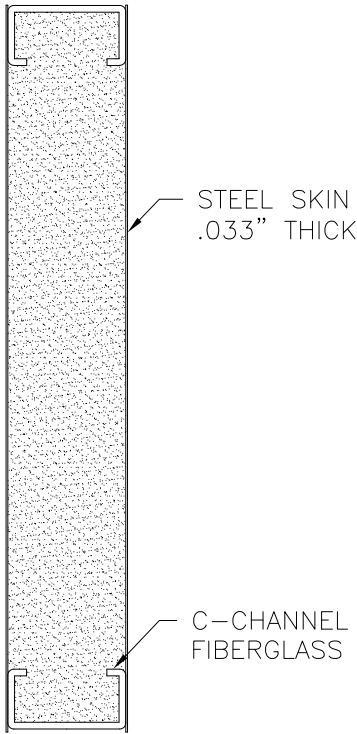
Luis R. Lomas P.E.
FL No.: 62514

APPROVED DOOR SLABS AND CROSS SECTIONS

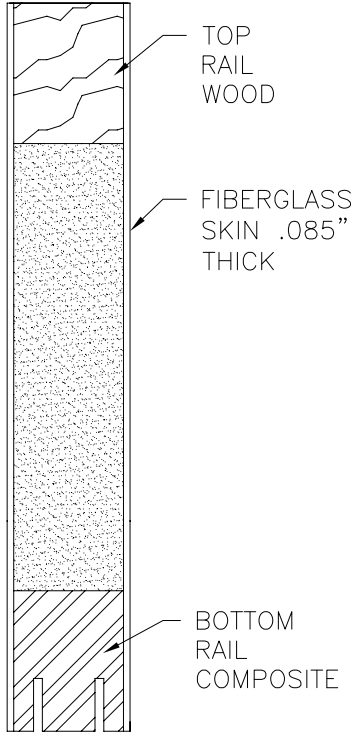
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.



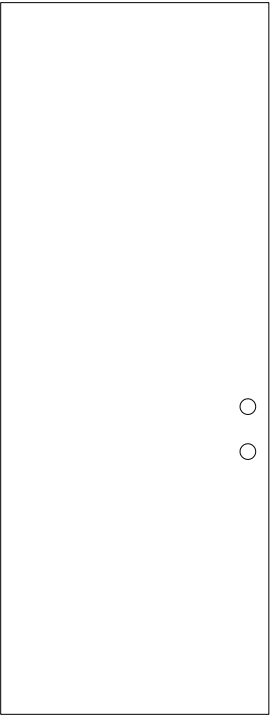
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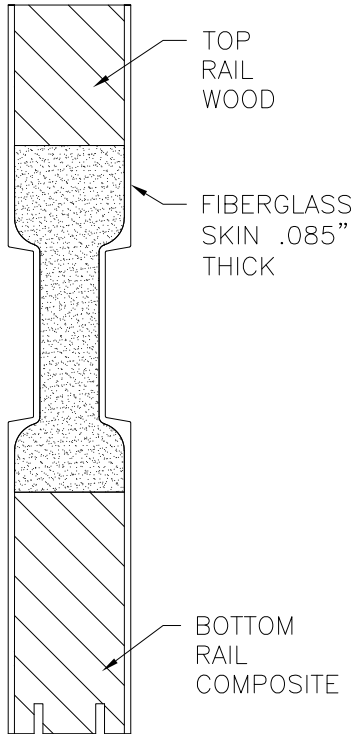
20GA STEEL



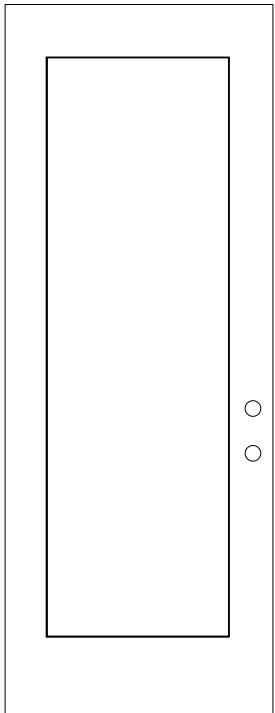
FIBERGLASS



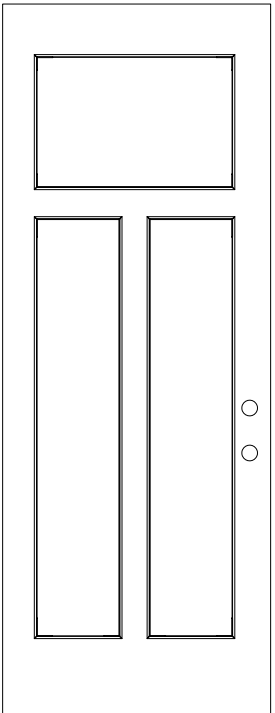
FLAT SLAB
20GA STEEL AND FIBERGLASS



FIBERGLASS



1 PANEL SLAB
FIBERGLASS ONLY



3 PANEL SLAB
FIBERGLASS ONLY

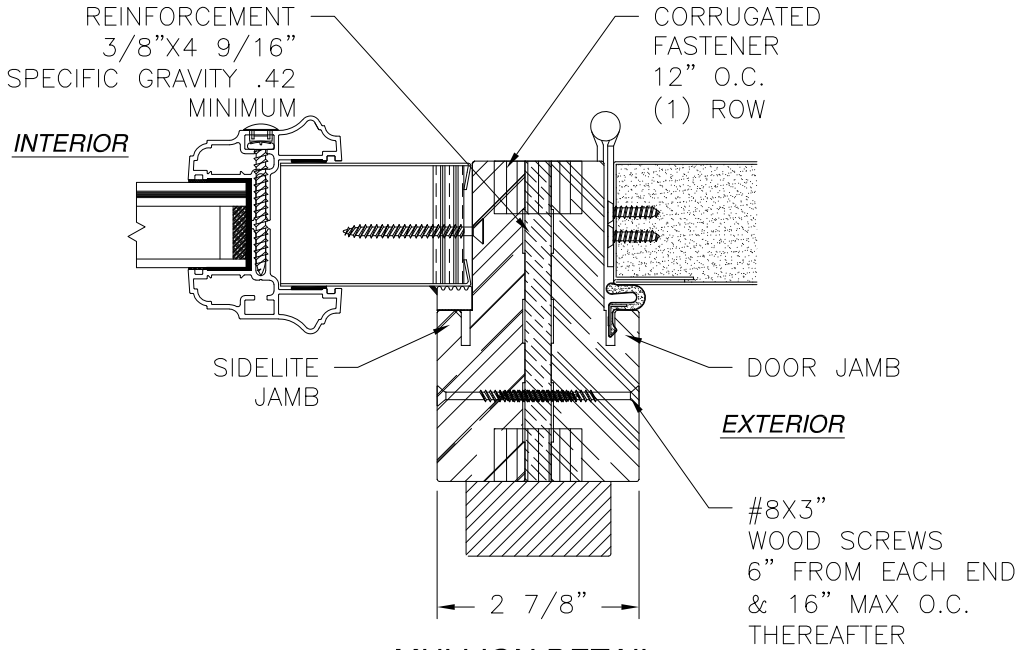
SIGNED: 12/26/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES – IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 15 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

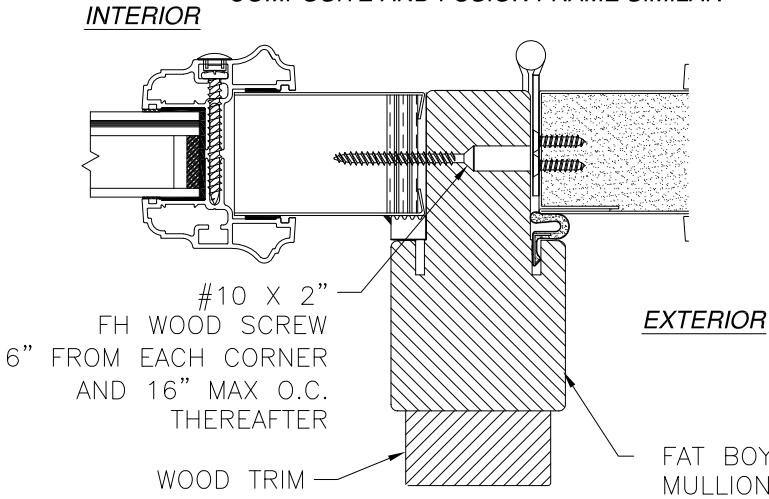


Luis R. Lomas P.E.
FL No.: 62514

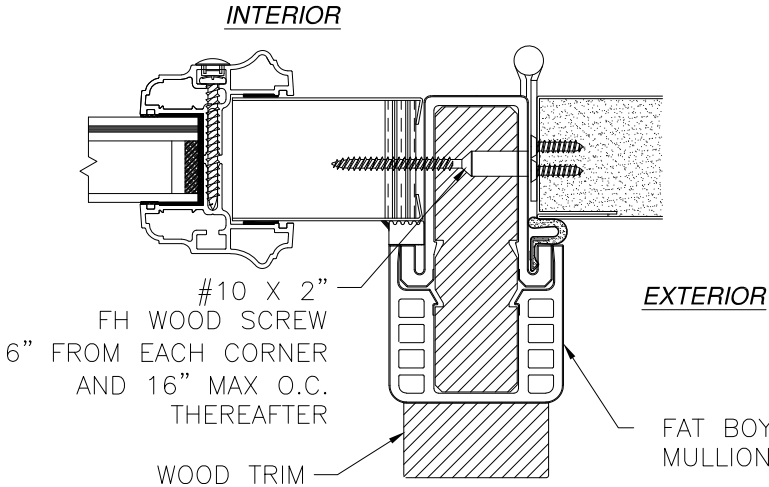
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.



MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



MULLION DETAIL
WITH FAT BOY MULLION



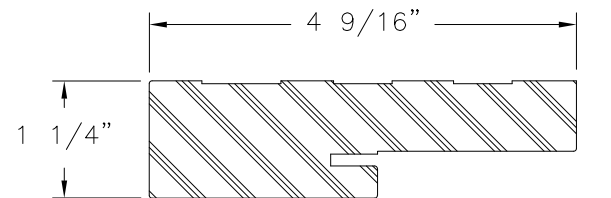
MULLION DETAIL
WITH HYBRID FAT BOY MULLION

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES – IMPACT MULLION DETAILS		
DRAWN: V.L.	DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	SHEET 16 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

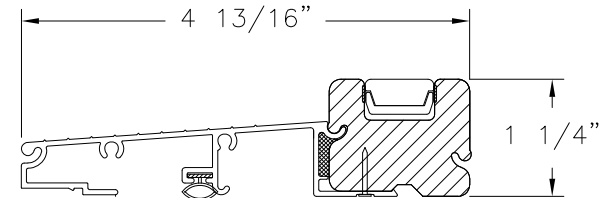
SIGNED: 12/26/2023



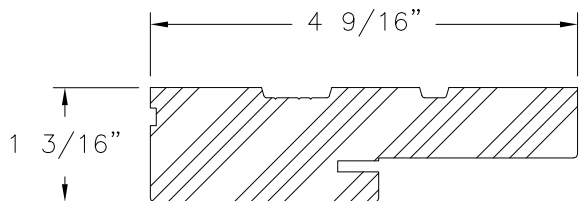
Luis R. Lomas P.E.
FL No.: 62514



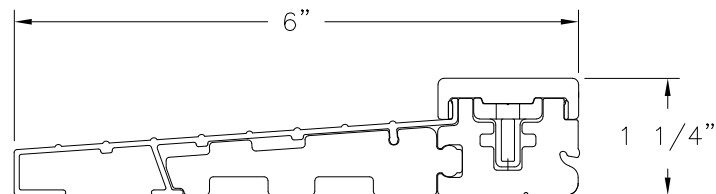
COMPOSITE FRAME PROFILE



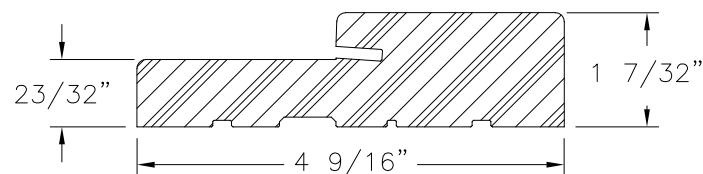
SAHARA INSWING THRESHOLD



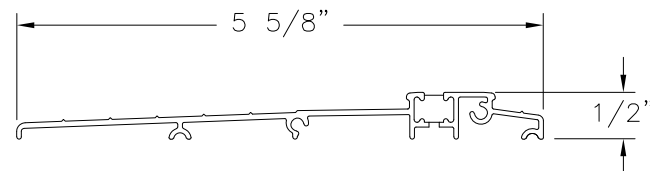
WOOD FRAME PROFILE



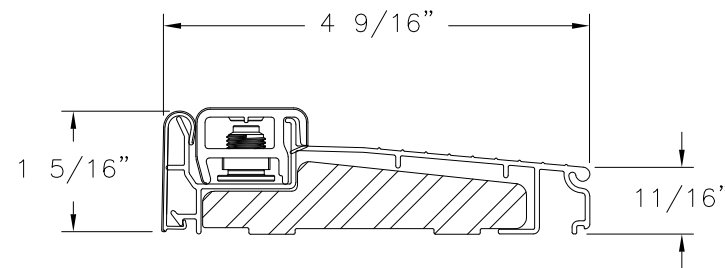
STANDARD INSWING THRESHOLD



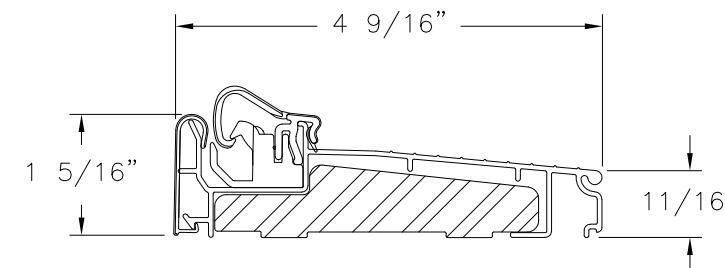
FRAMESAVER
COMPOSITE



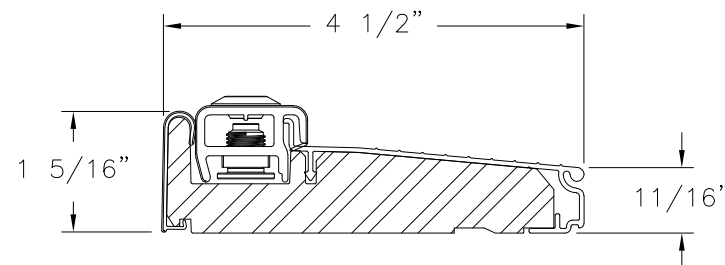
ADA THRESHOLD



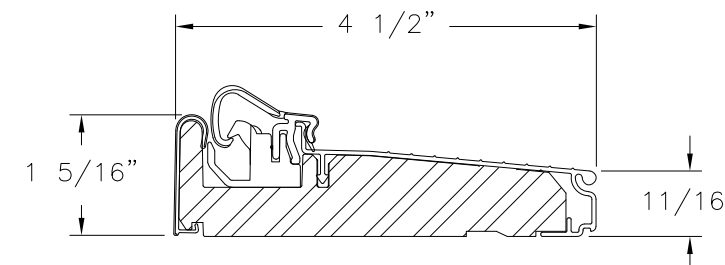
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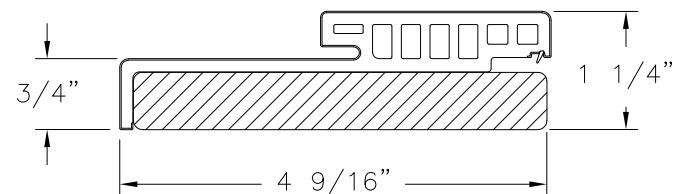
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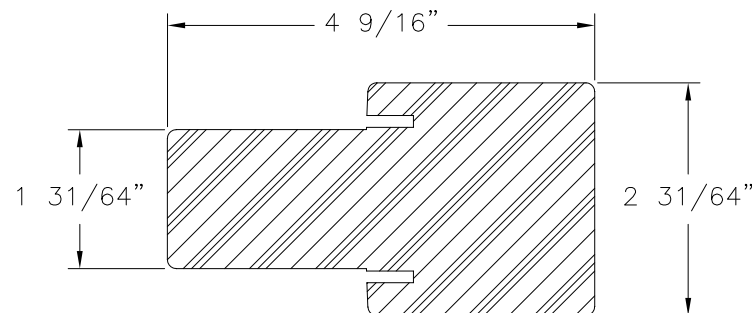
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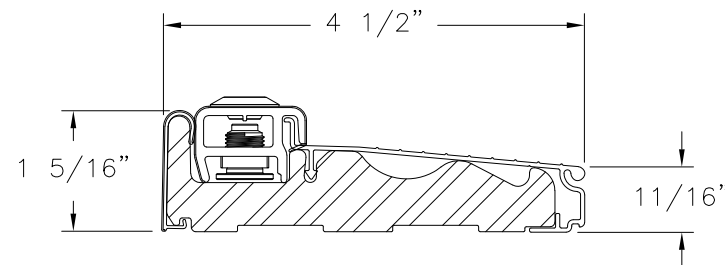
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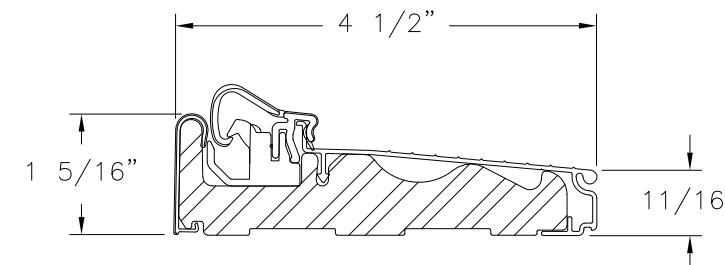
HYBRID HEAD
WOOD/COMPOSITE



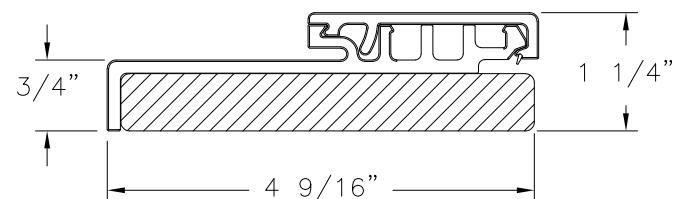
FAT BOY MULLION
COMPOSITE



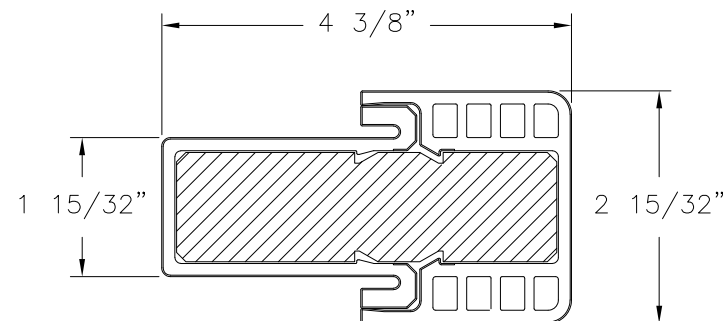
INSWING SILL ZAILH4565



INSWING SILL ZACLH4565



HYBRID JAMB
WOOD/COMPOSITE

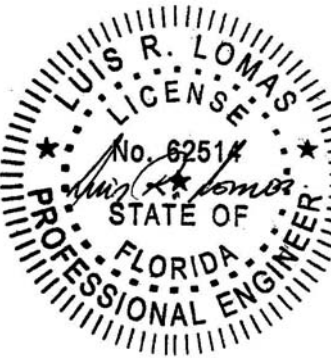


HYBRID FAT BOY MULLION
COMPOSITE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
I	REVISE TRIMS AND HARDWARE SCHEDULE	11/13/2023	R.L.

SIGNED: 12/26/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681			
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES – IMPACT COMPONENTS			
DRAWN: V.L.		DWG NO. 08-02038	REV I
SCALE NTS	DATE 04/22/13	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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