

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. SIDELITES MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
9. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

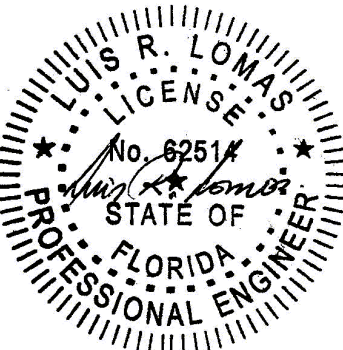
14.3. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 OR GREATER).

14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
15. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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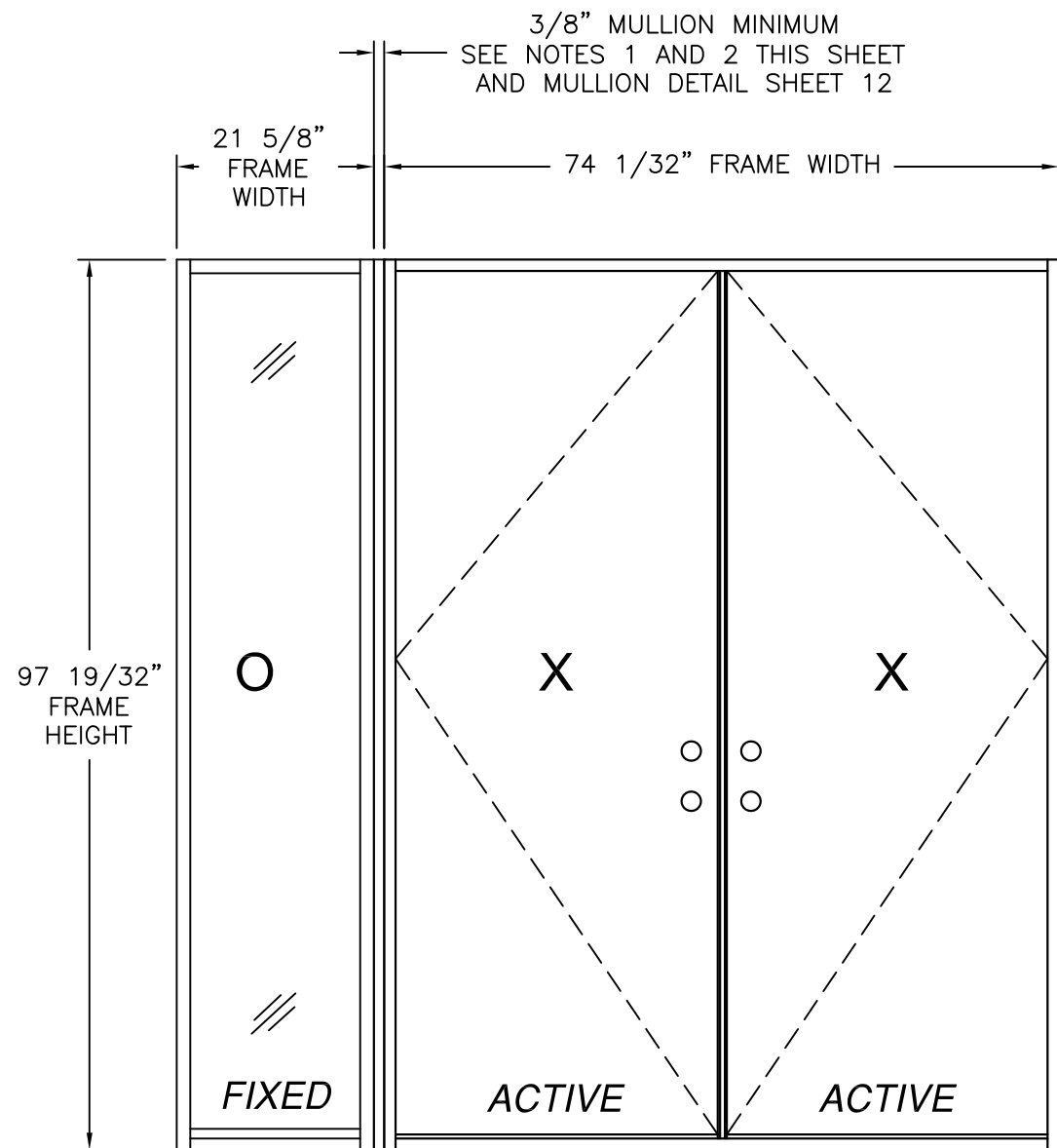
TABLE OF CONTENTS	
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1	NOTES
2 – 3	ELEVATIONS
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES NON-IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02085	REV K
SCALE NTS	DATE 06/20/13	SHEET 1 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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FL No.: 62514

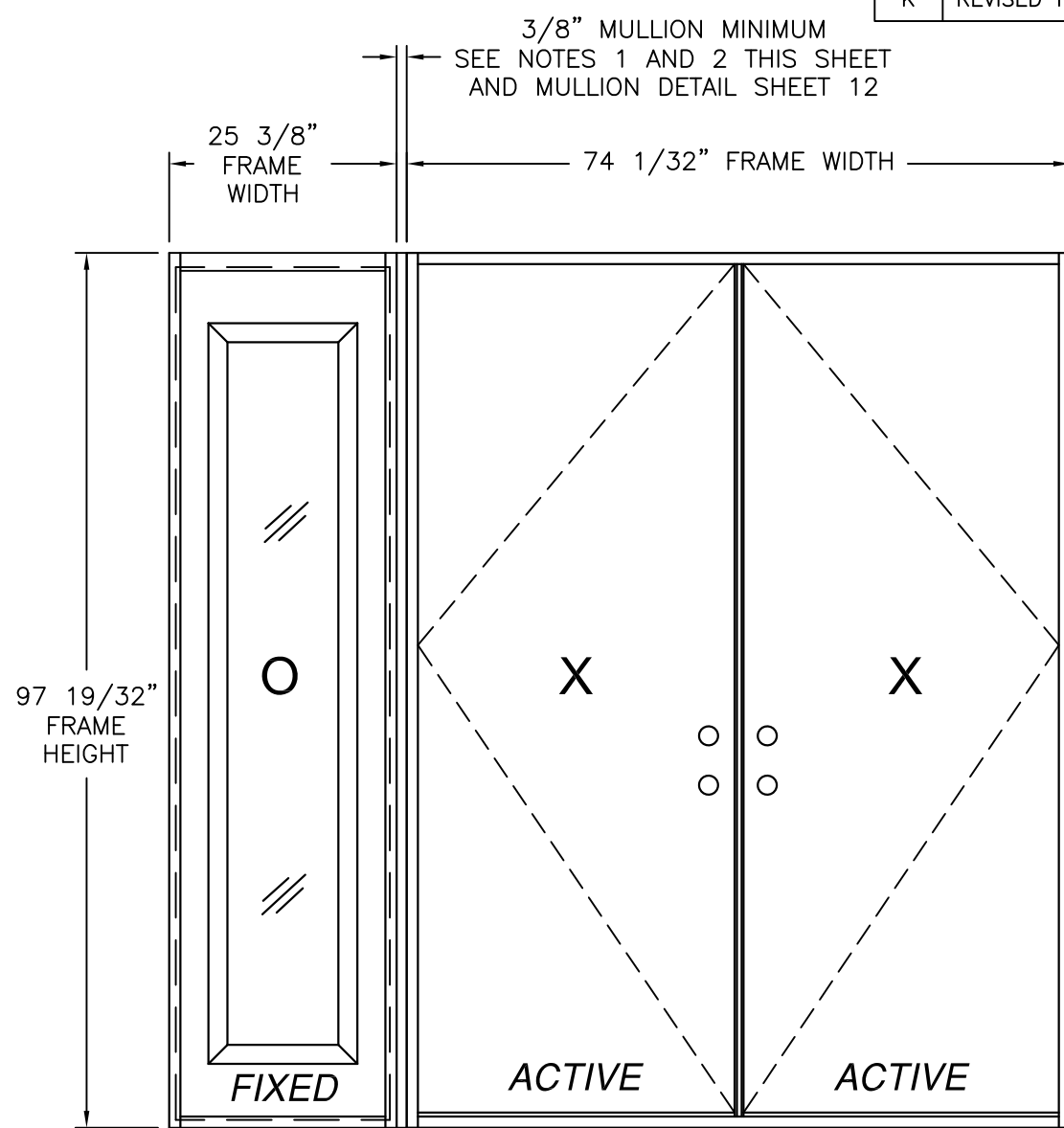
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DOUBLE W/ DIRECT SET SIDELITE

EXTERIOR VIEW

OXX SHOWN XXO ALSO APPROVED



DOUBLE WITH STANDARD SIDELITE

EXTERIOR VIEW

OXX SHOWN XXO ALSO APPROVED

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

D.L.O. NOTES:

- STD. SIDELITE D.L.O.: 12 3/8" X 78 3/8"
- DIRECT SET SIDELITE D.L.O.: 18 5/8" X 93 3/4"

NOTES:

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

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 PANOLOCK MULTI-POINT

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	

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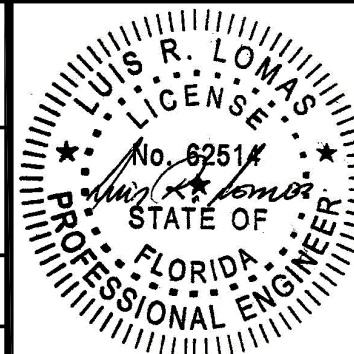
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
ELEVATIONS

DRAWN: N.G.	DWG NO. 08-02085	REV K
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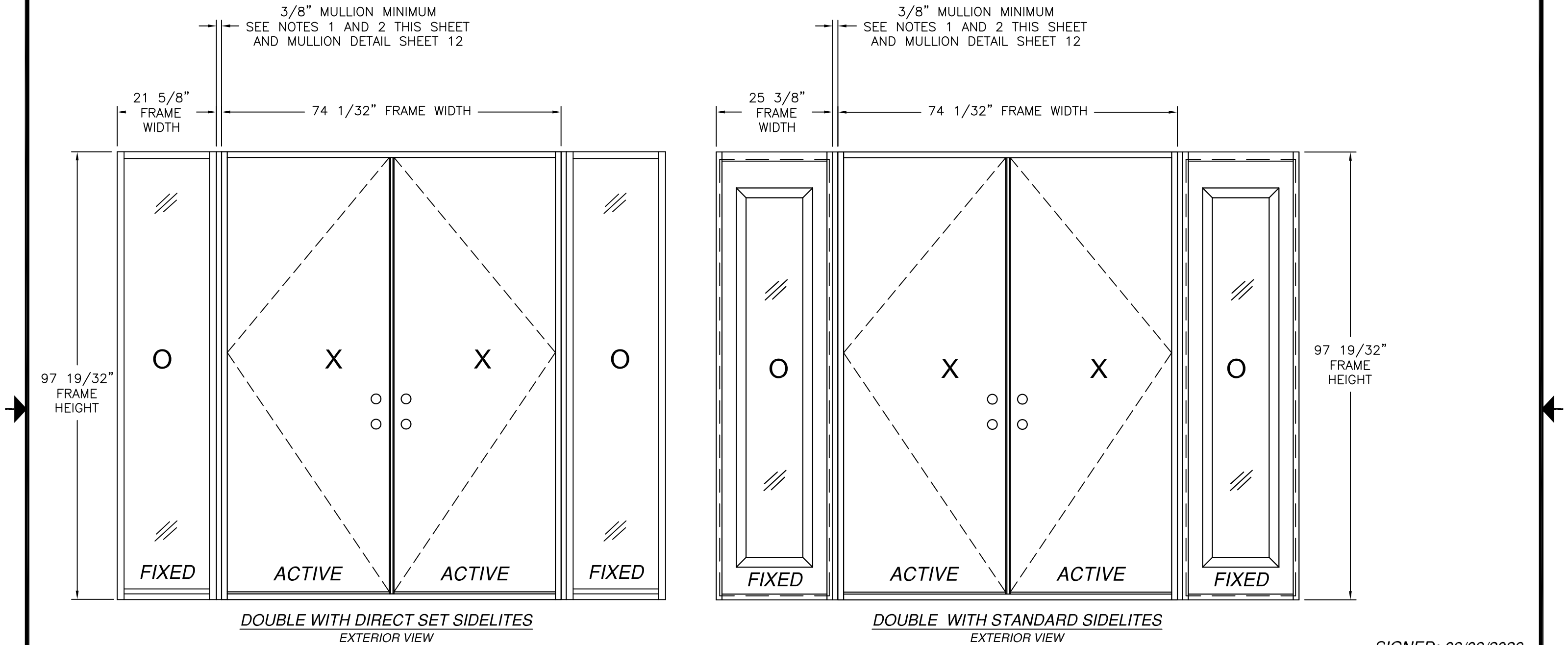
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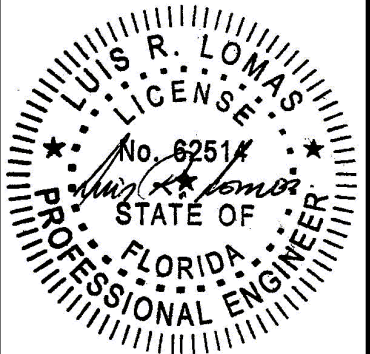
HARDWARE SCHEDULE	
A.	F-SERIES & FC-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES & FC-SERIES DEADBOLT ASSEMBLY BY SCHAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
F.	PANOLOCK 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)

DESIGN PRESSURE RATING	IMPACT RATING
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WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
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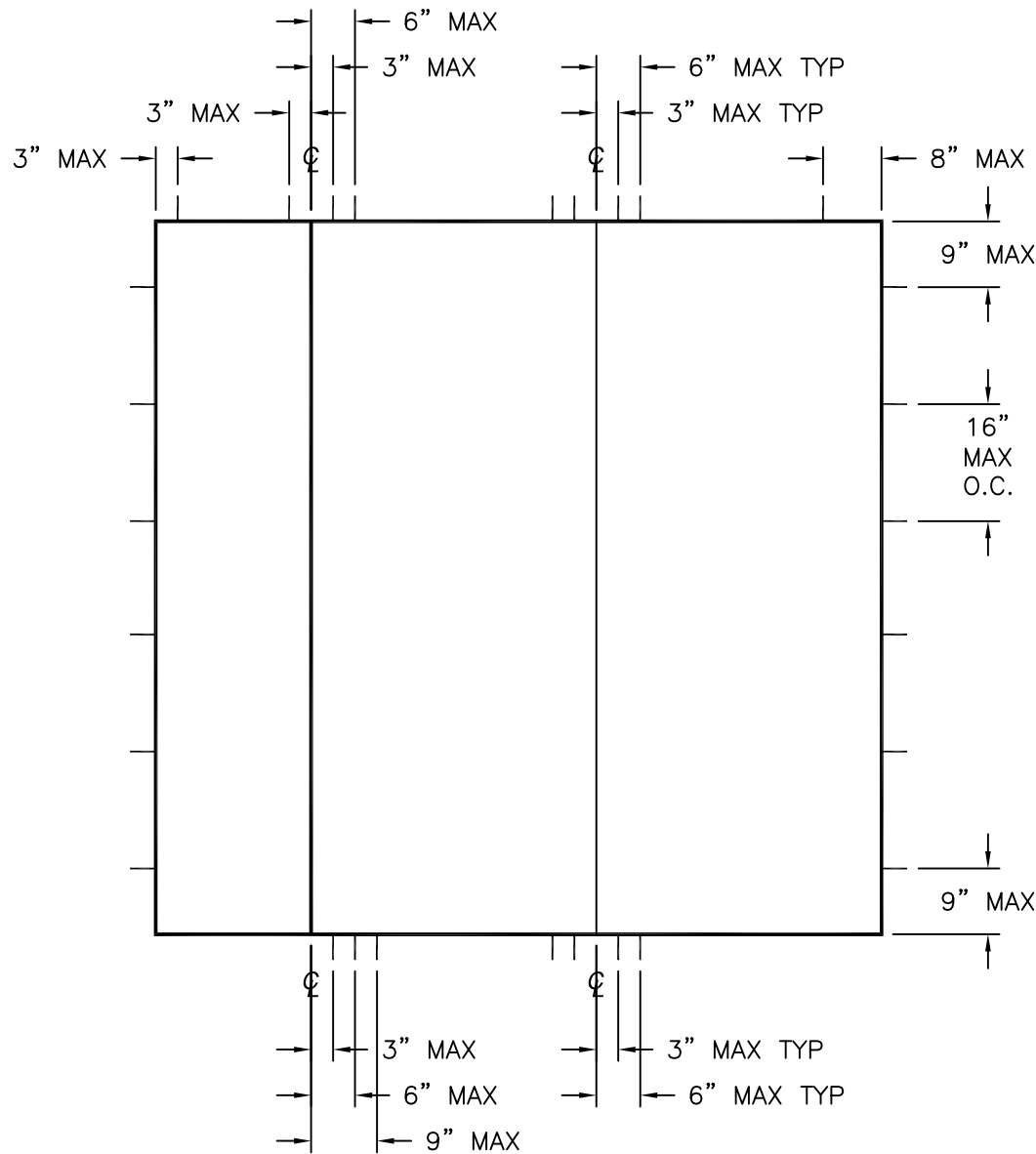
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES NON-IMPACT ELEVATIONS		
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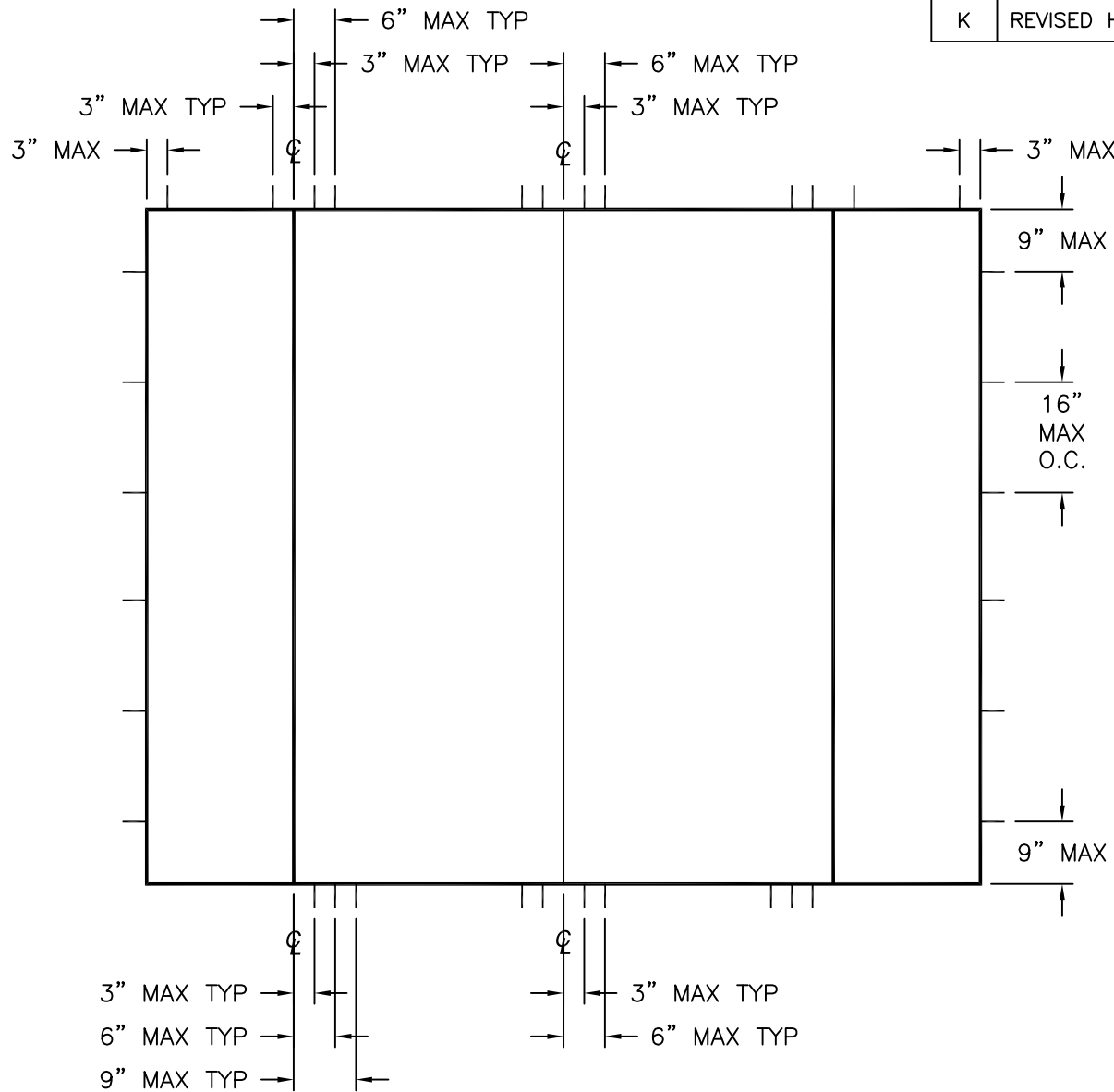


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DOUBLE DOOR WITH SIDELITE



DOUBLE DOOR WITH SIDELITES

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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2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
ANCHORING LAYOUTS

DRAWN:
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08-02085

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K

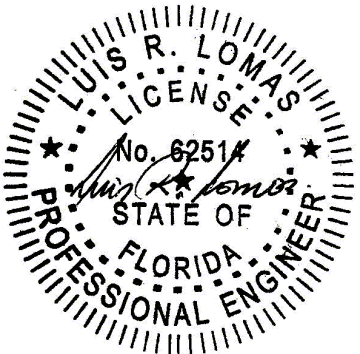
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SHEET
4 OF 15

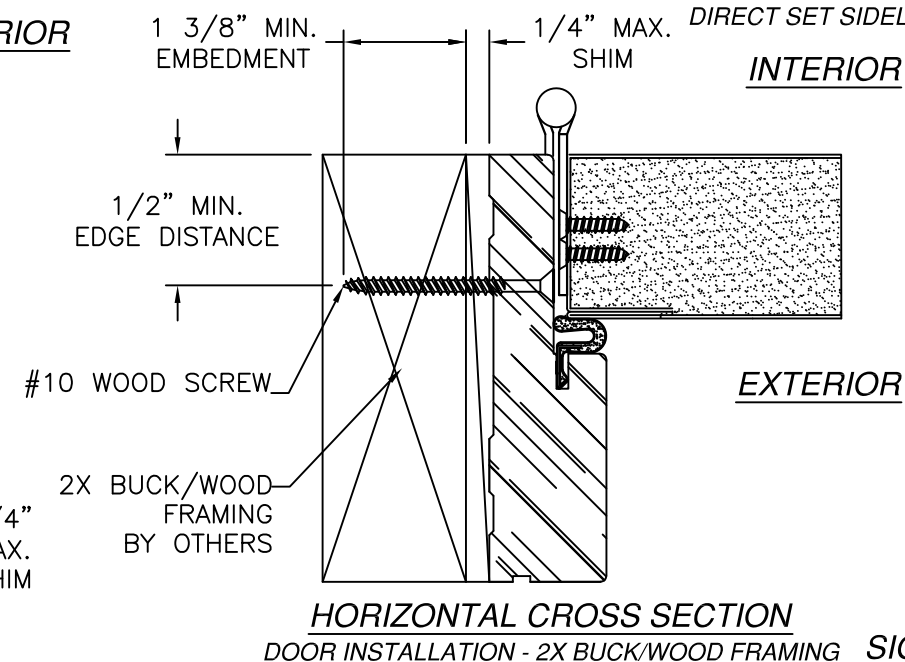
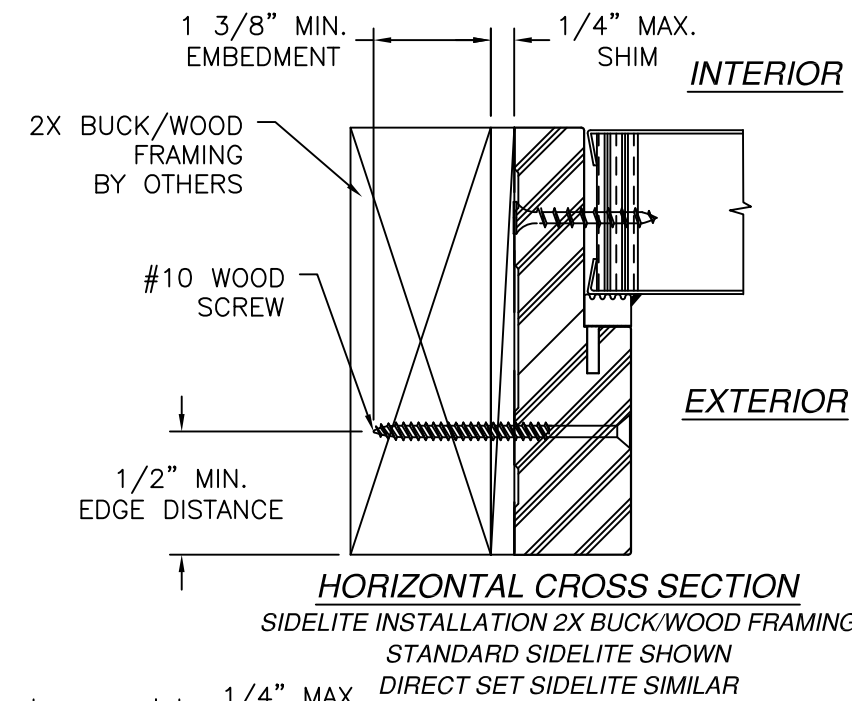
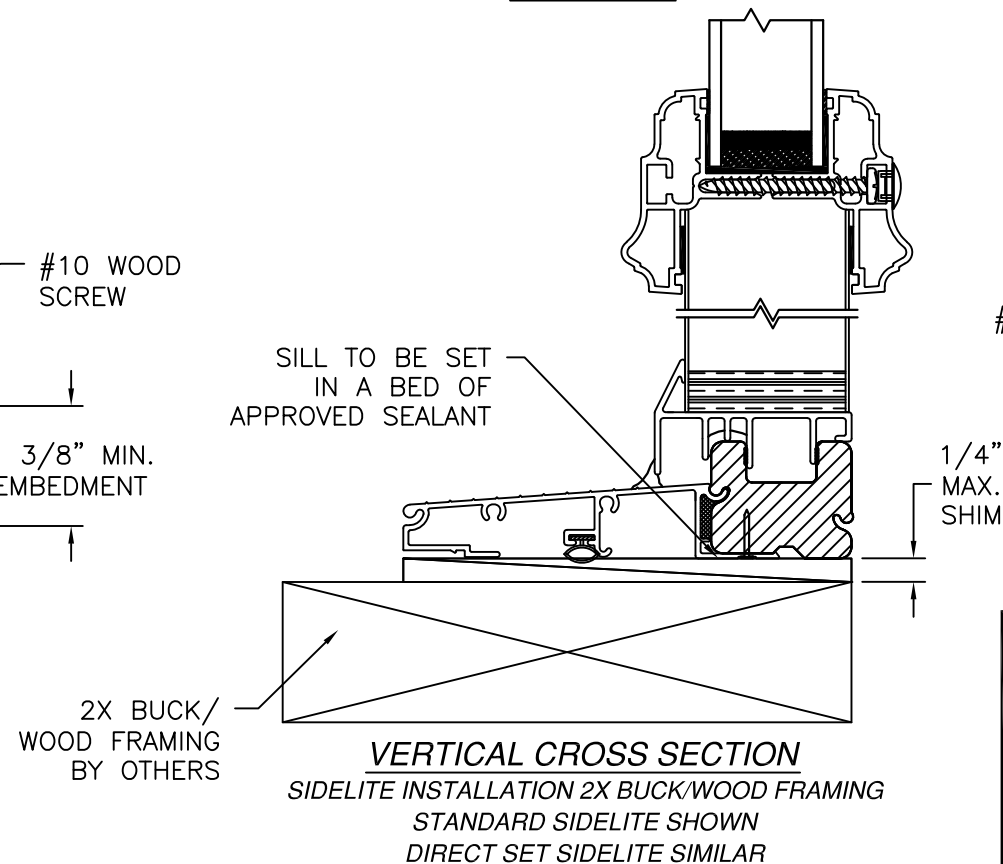
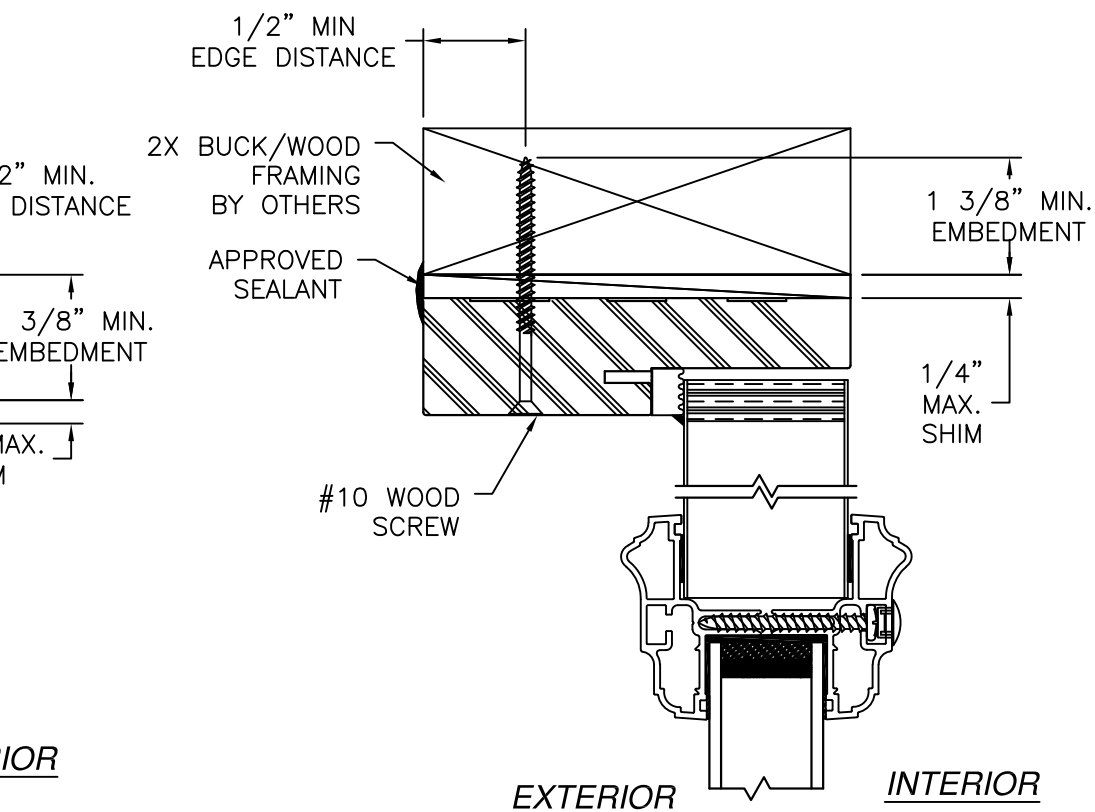
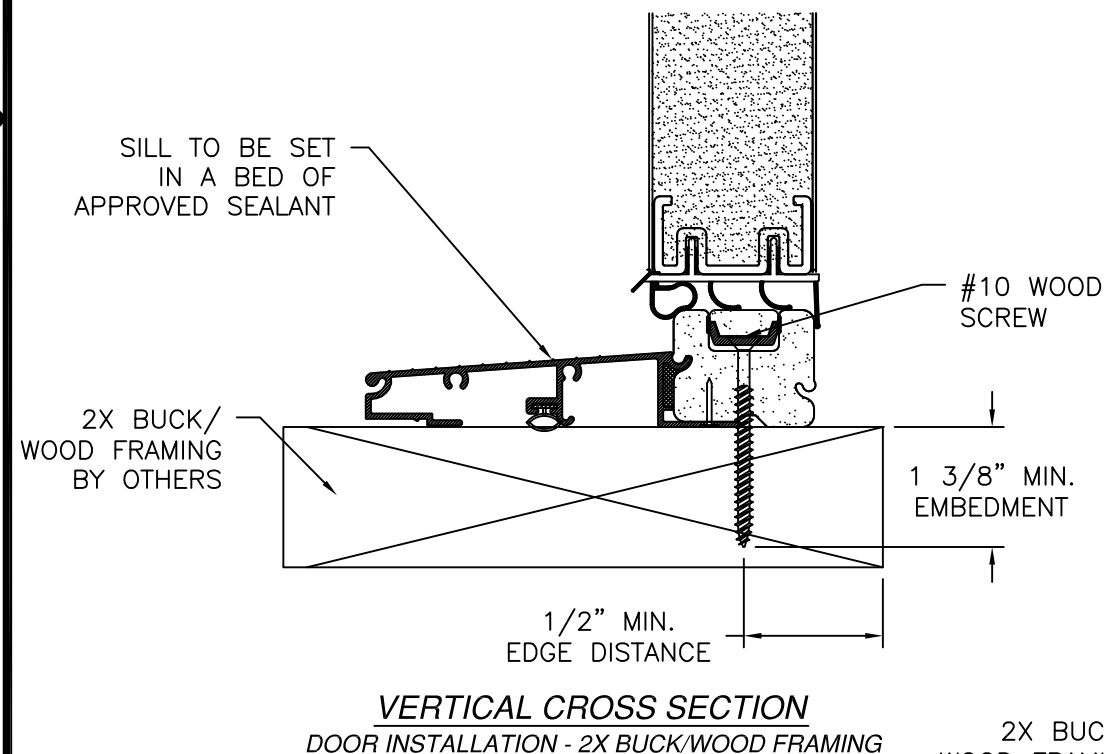
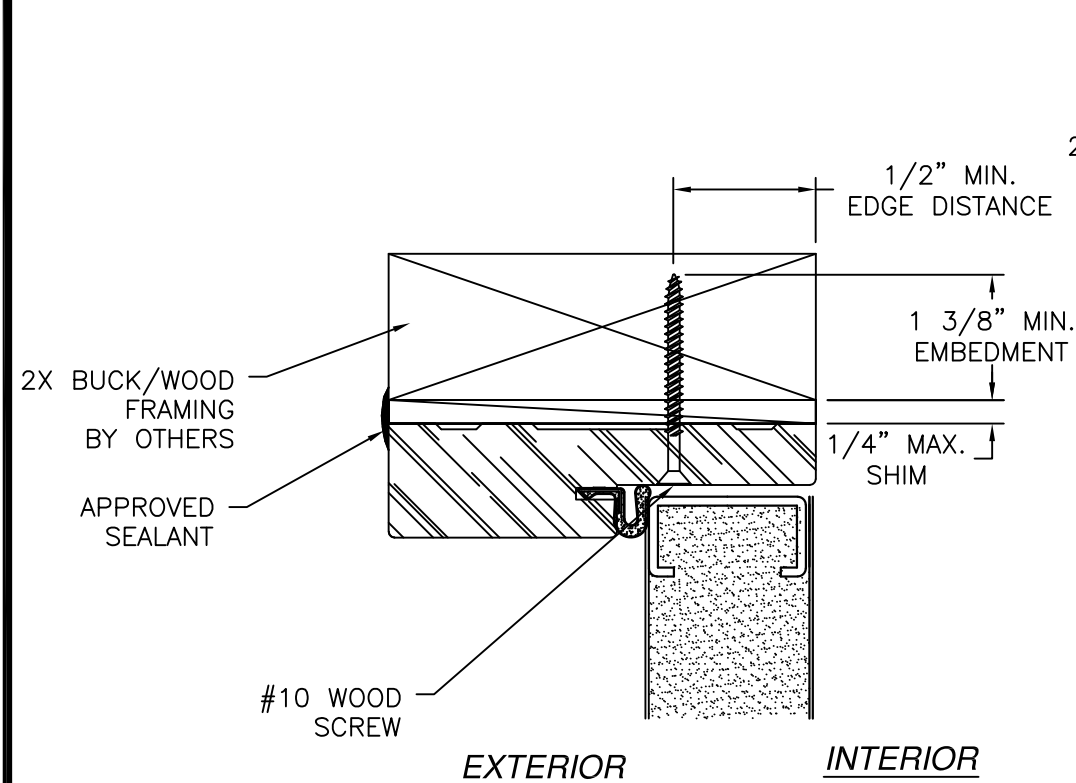
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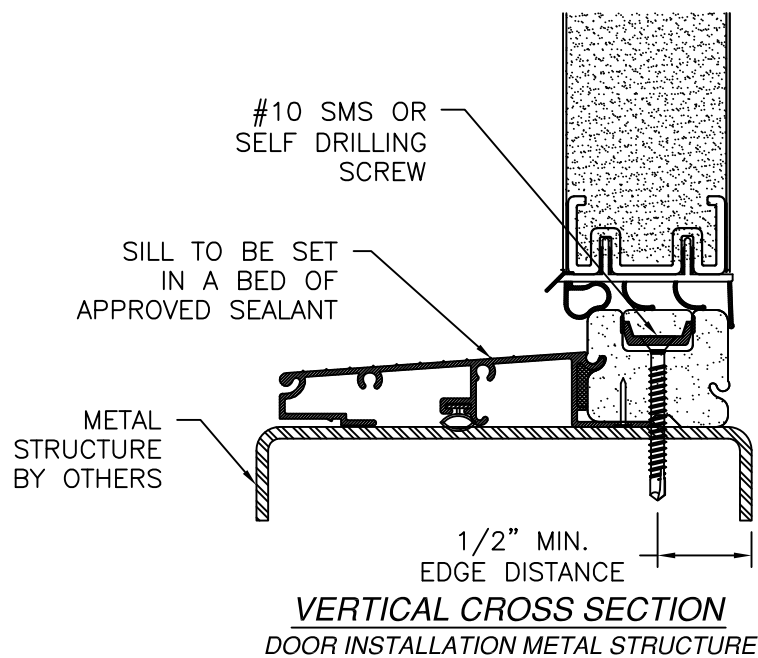
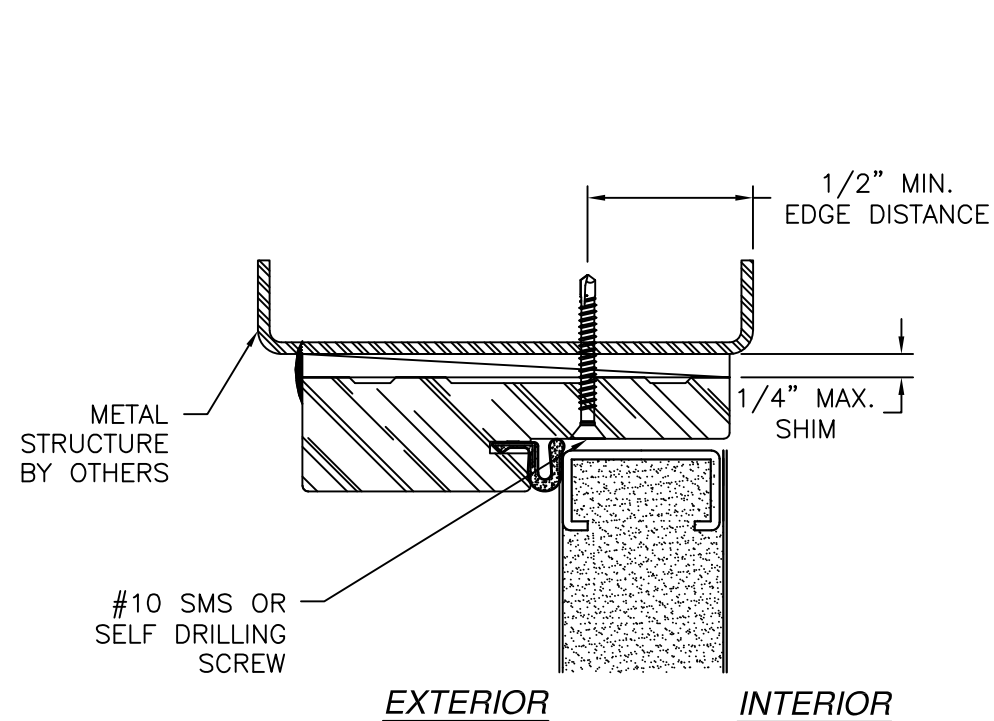
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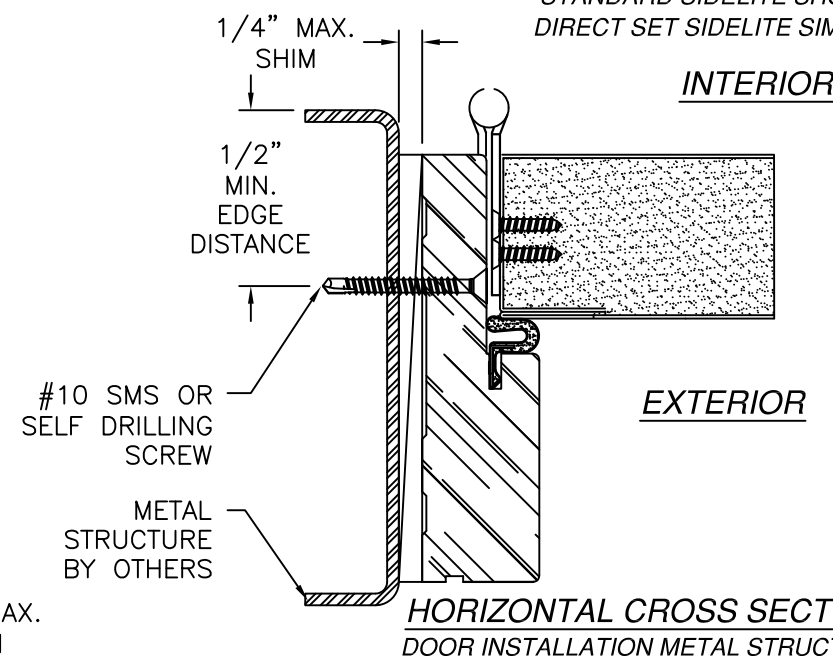
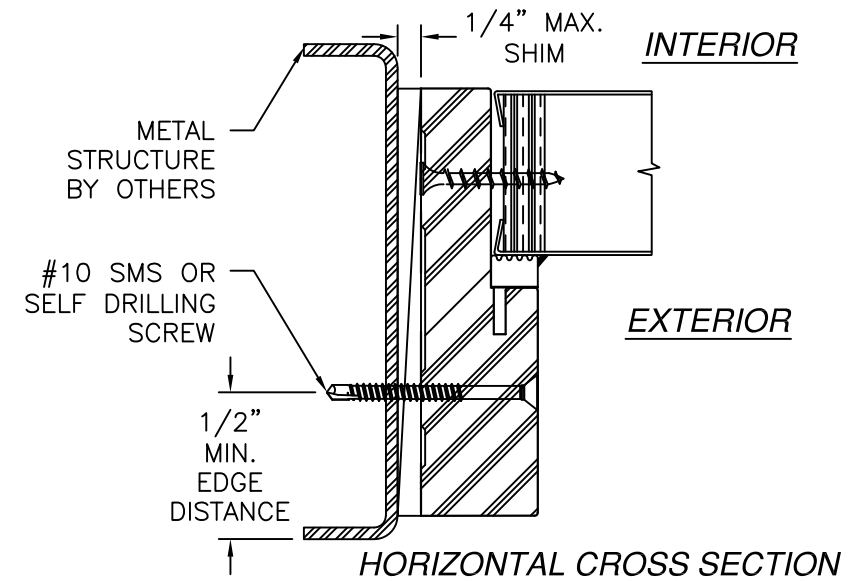
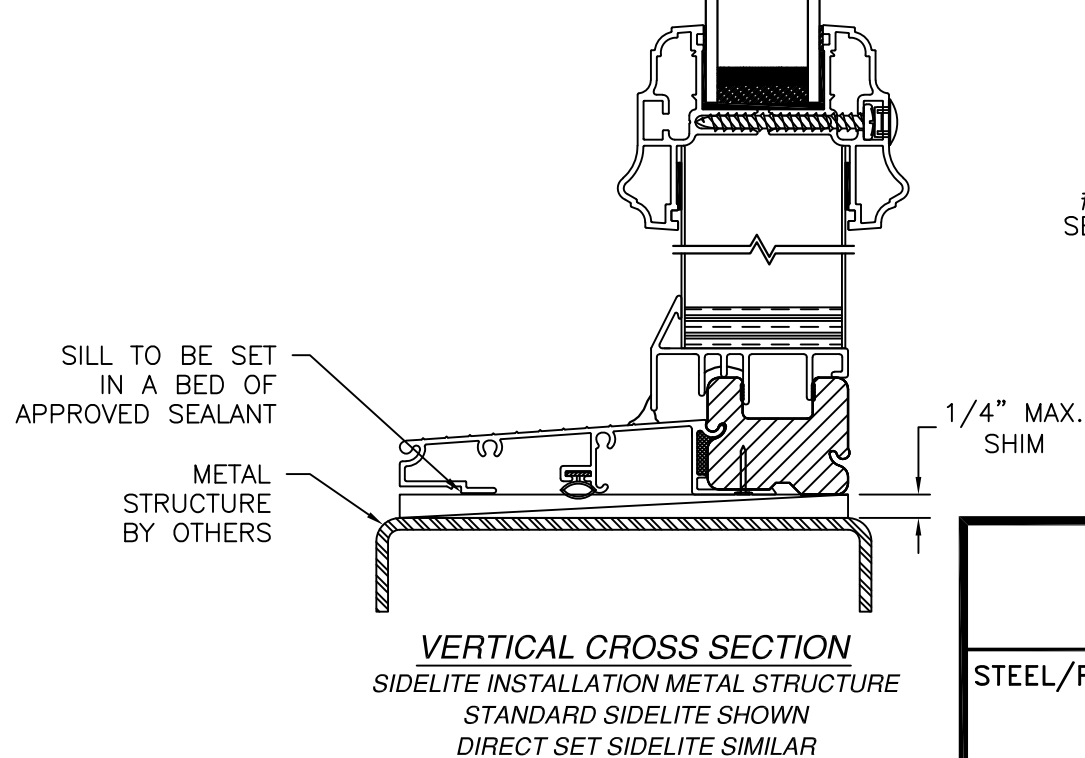
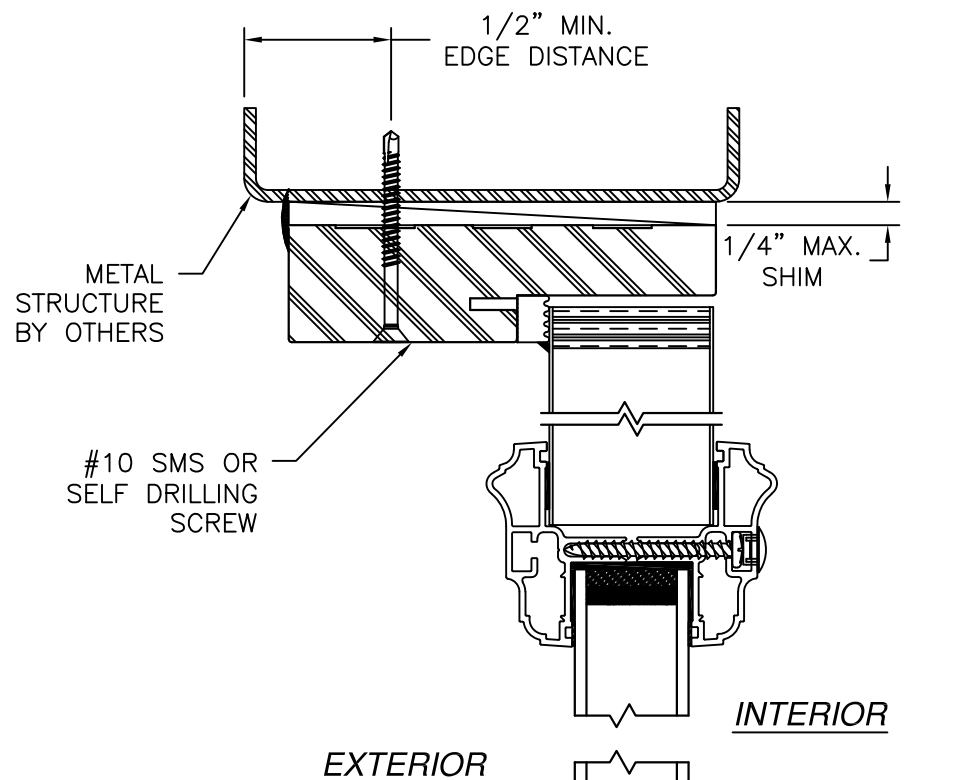
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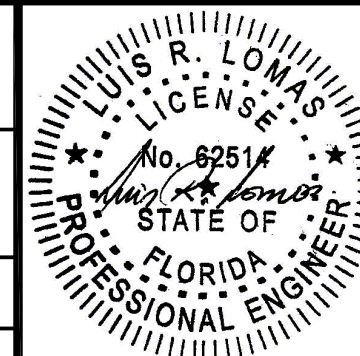


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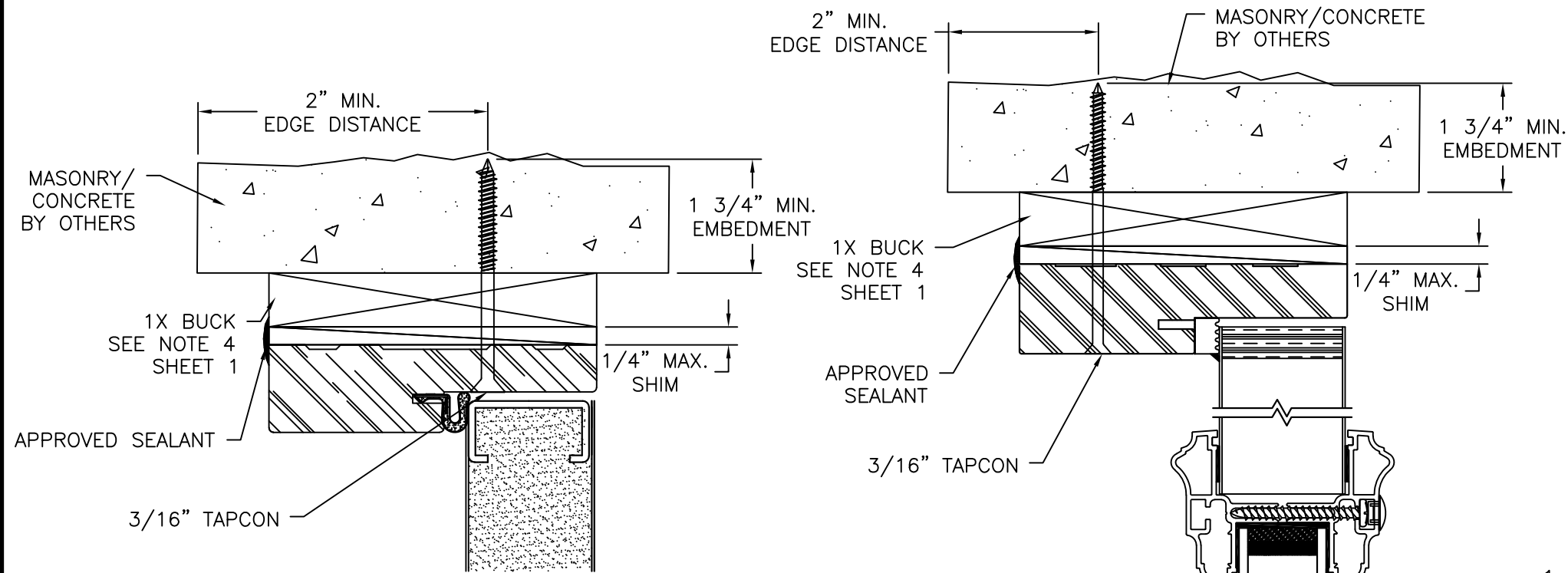
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES NON-IMPACT INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02085	REV K
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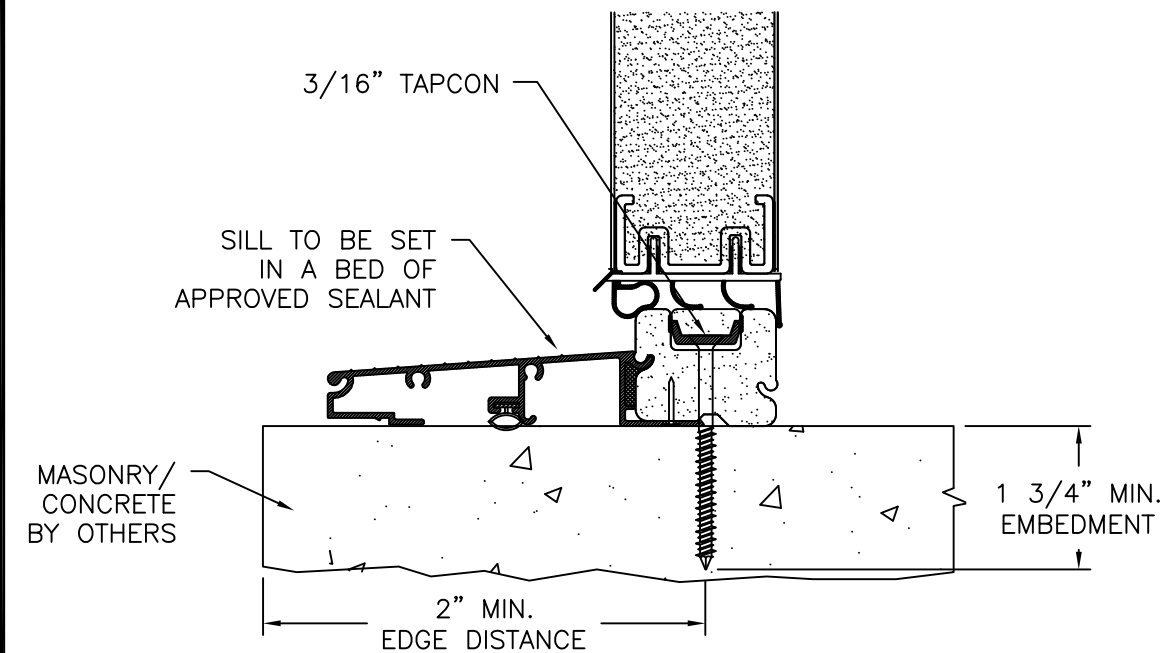


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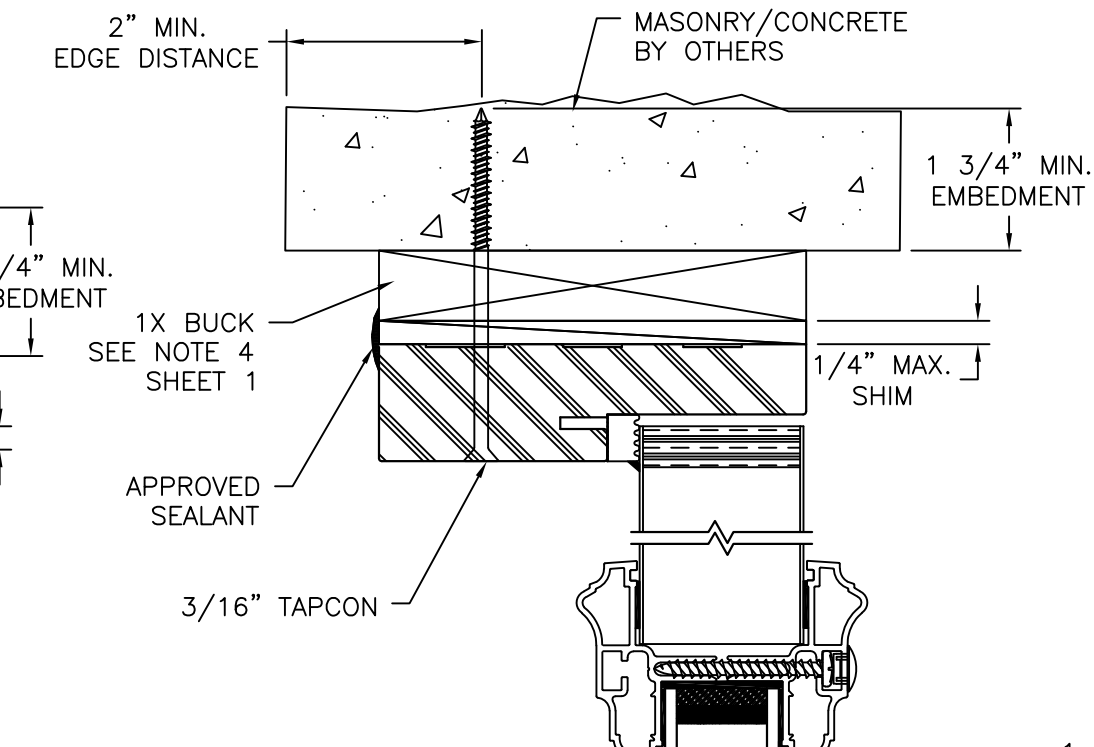


EXTERIOR **INTERIOR**

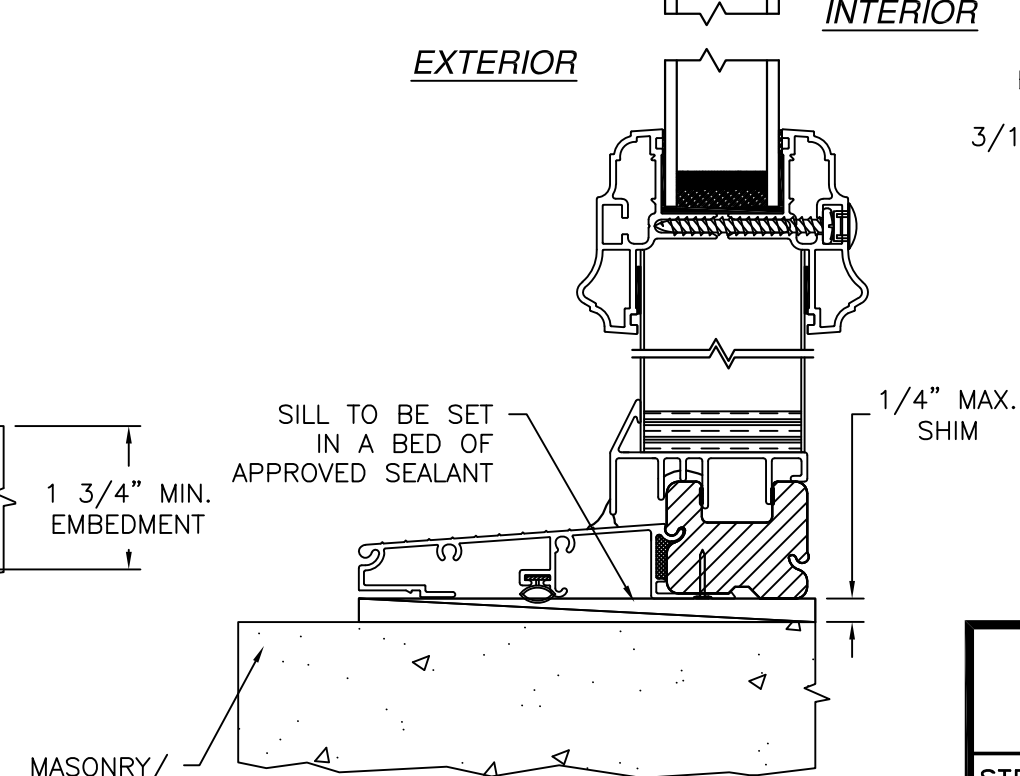


VERTICAL CROSS SECTION
DOOR INSTALLATION MASONRY/CONCRETE

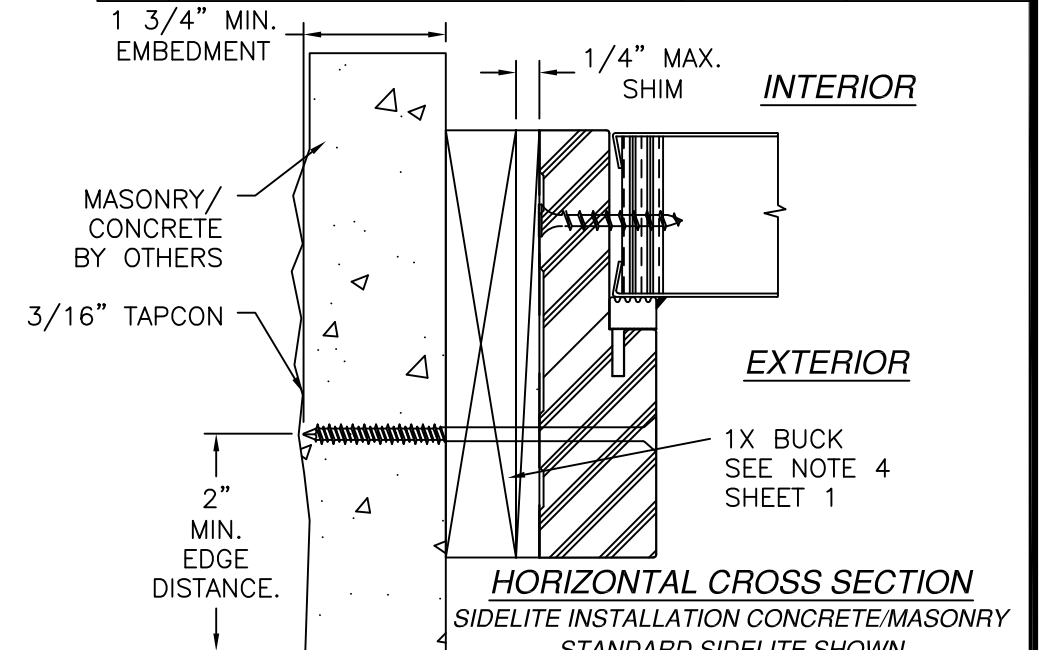
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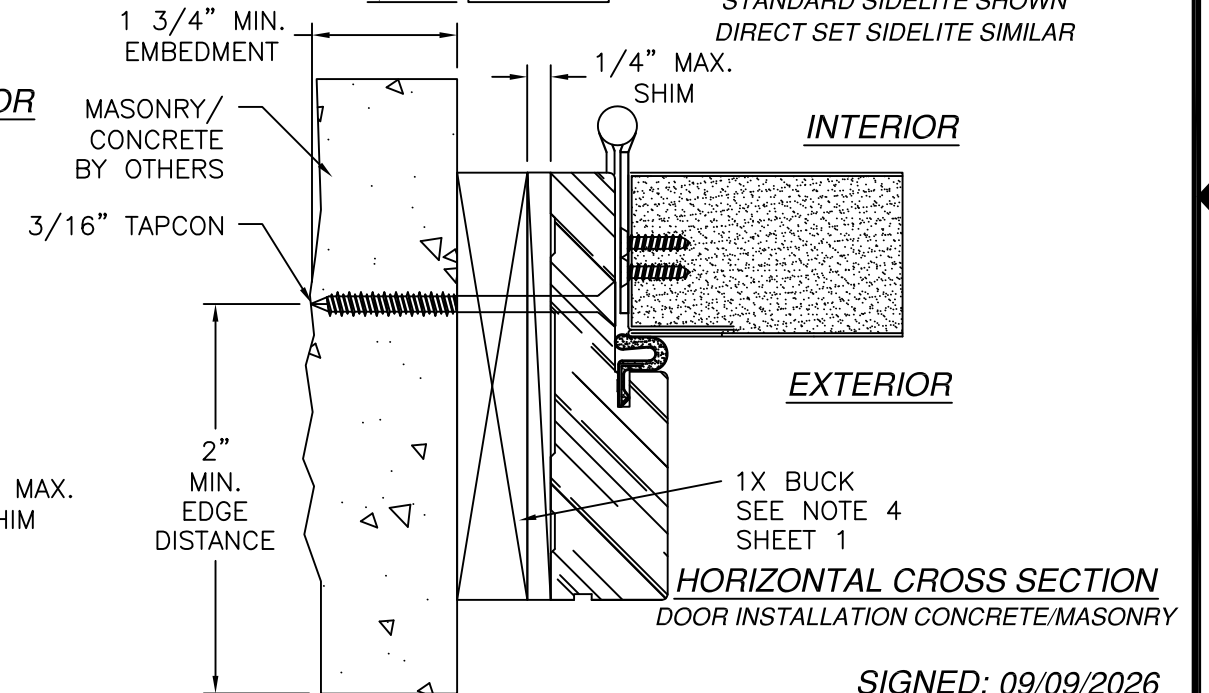
EXTERIOR



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



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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W/SIDELITES NON-IMPACT
INSTALLATION DETAILS

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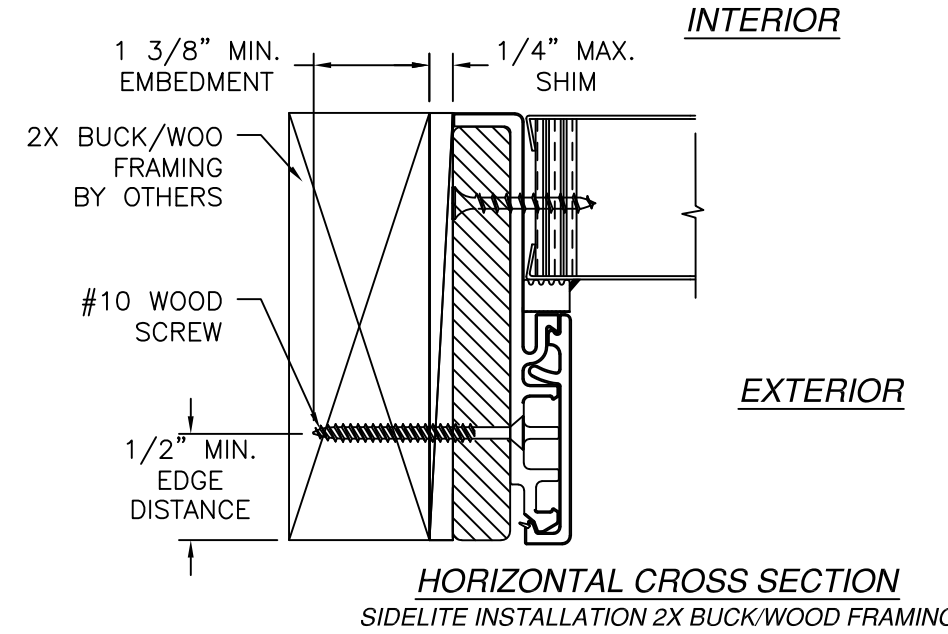
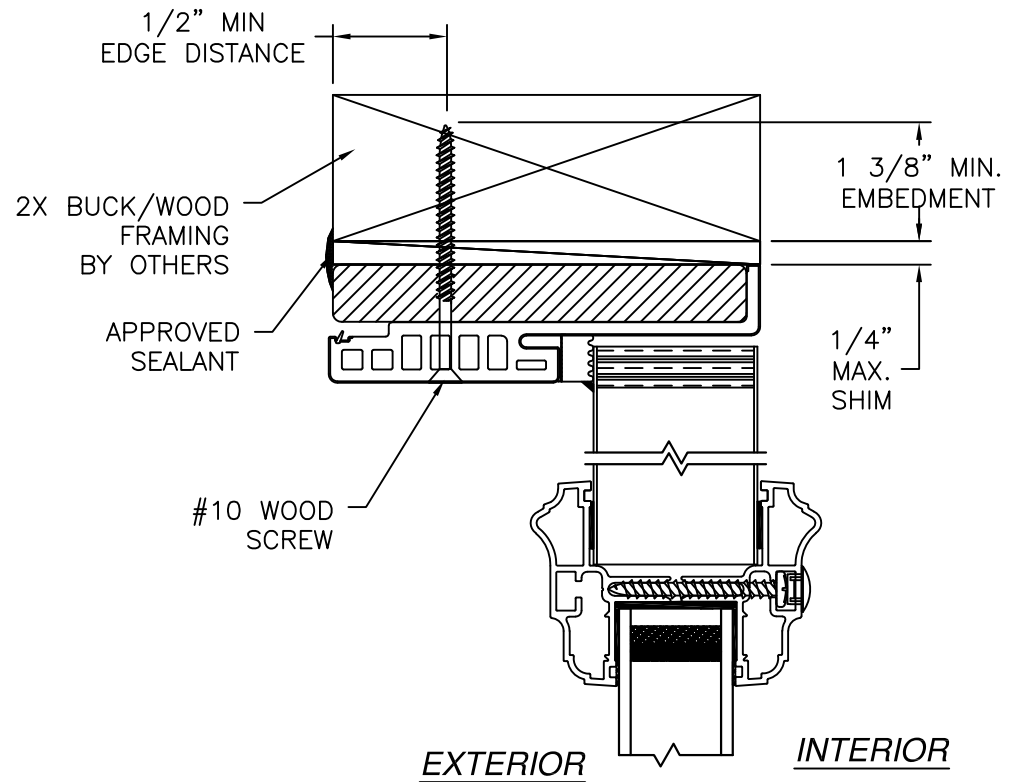
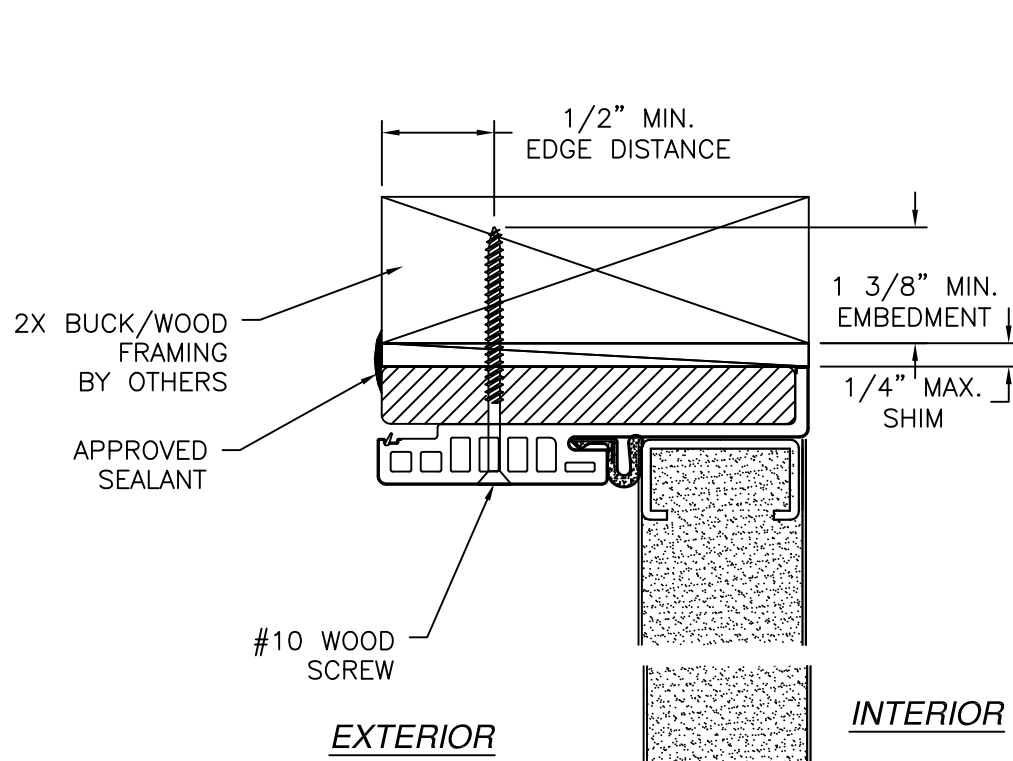
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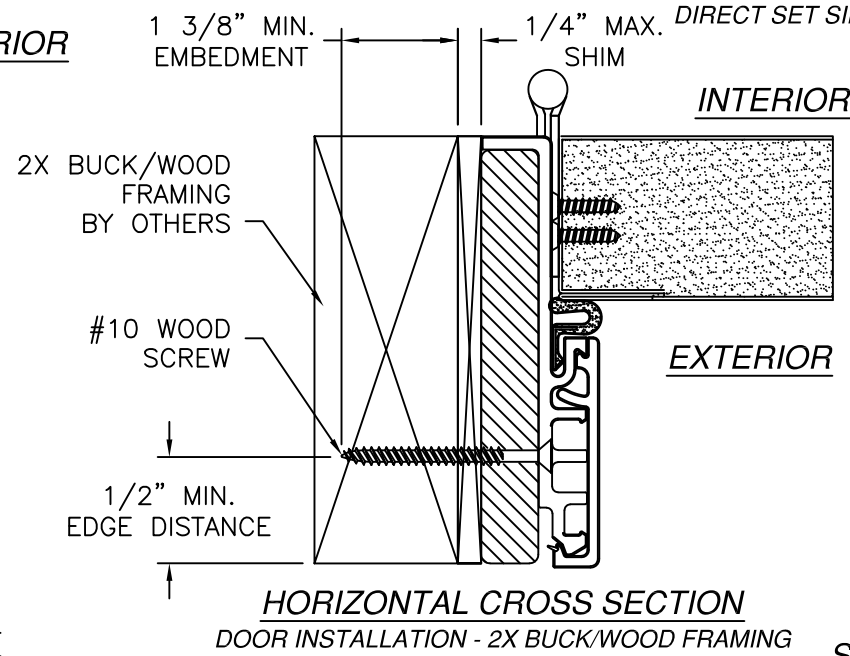
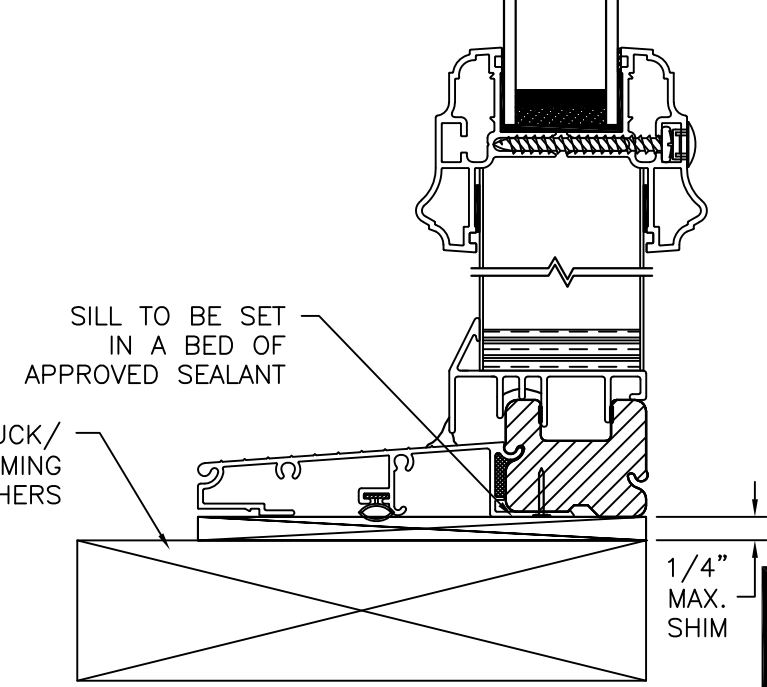
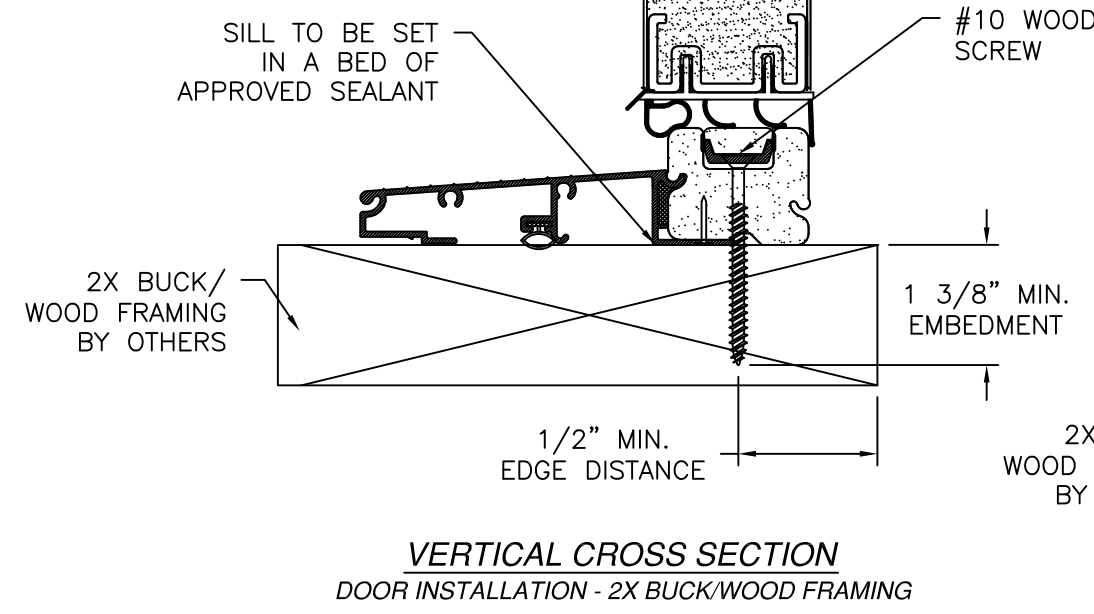
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HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



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

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN: N.G.

DWG NO. 08-02085

REV K

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SHEET 8 OF 15

L. ROBERTO LOMAS P.E.

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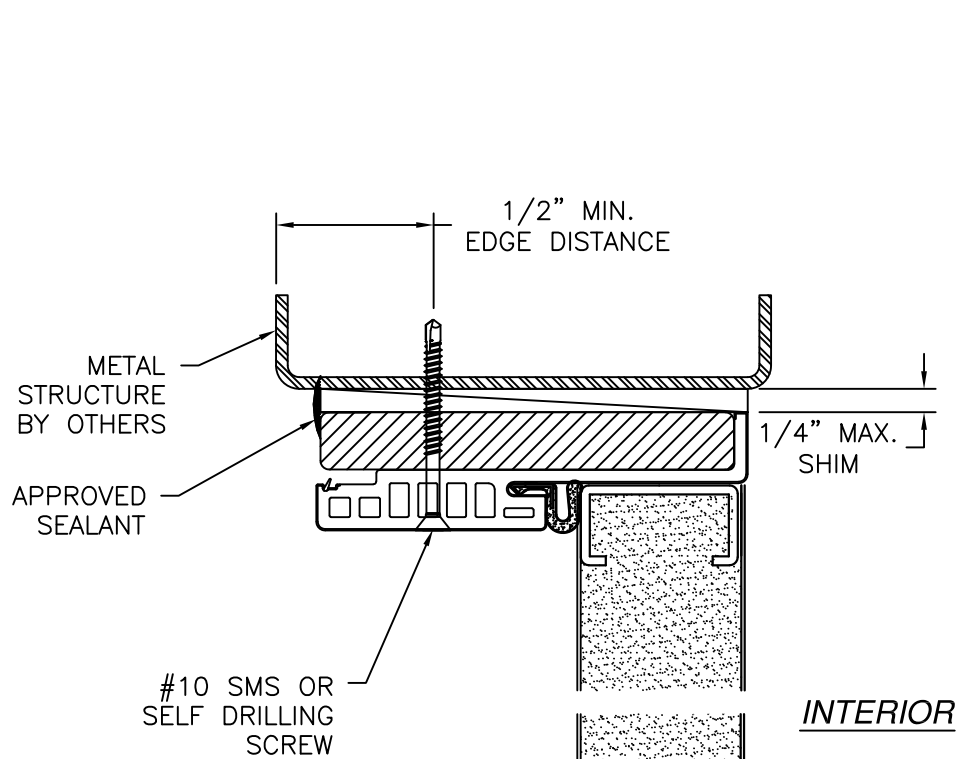
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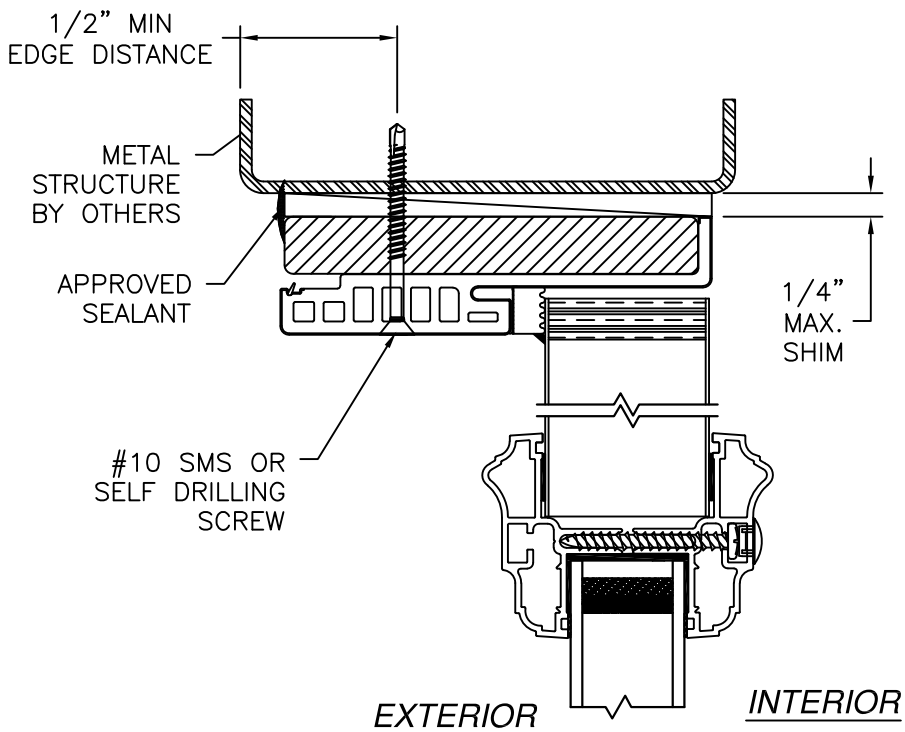
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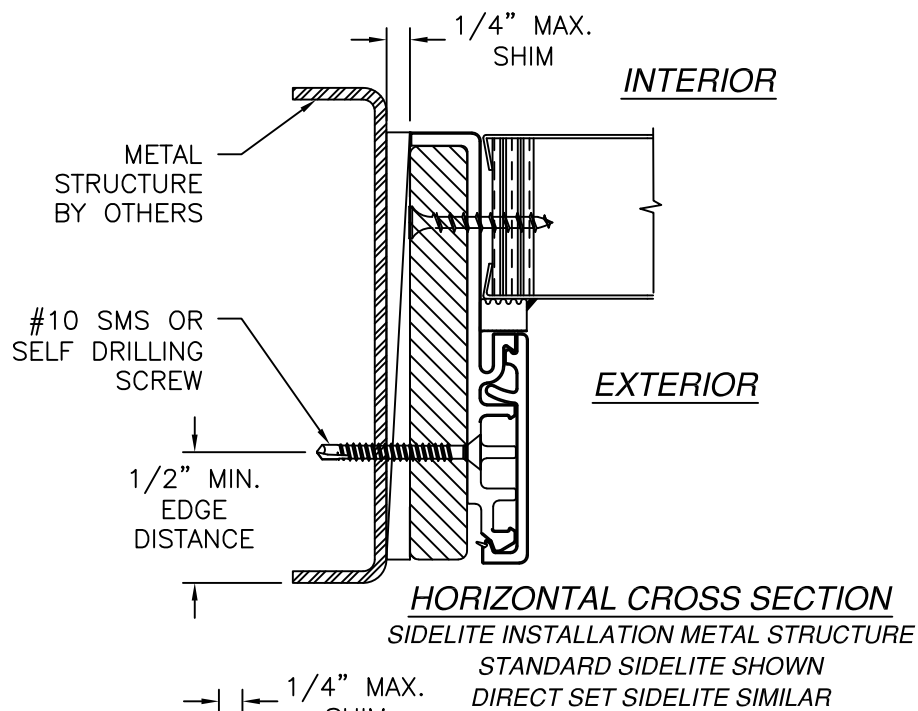
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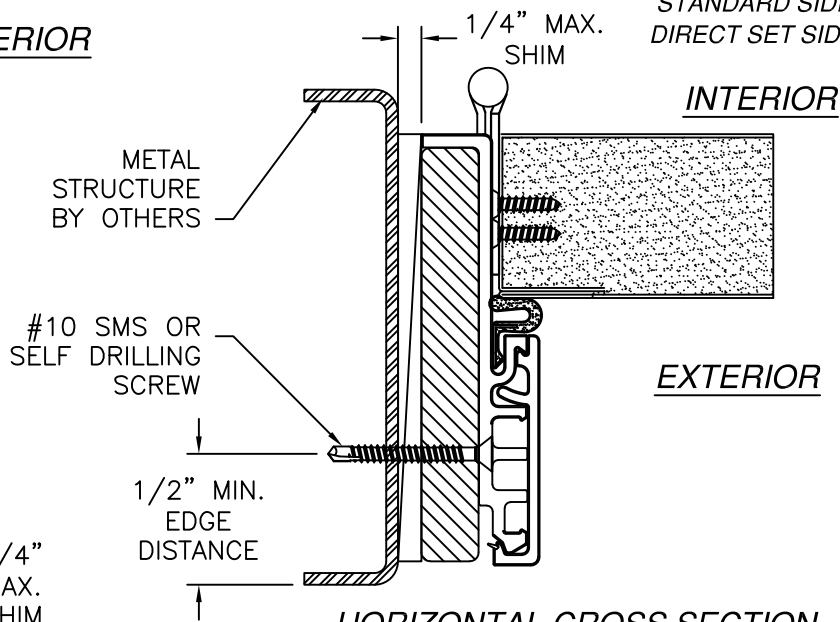
VERTICAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE



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



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



HORIZONTAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE

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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN:

N.G.

DWG NO.

08-02085

REV

K

SCALE

NTS

DATE

06/20/13

SHEET

9

OF

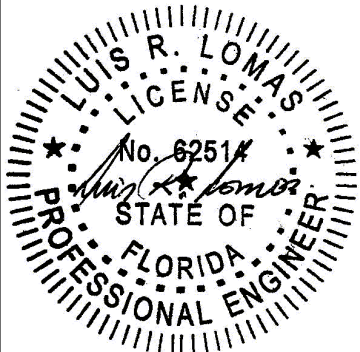
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L. ROBERTO LOMAS P.E.

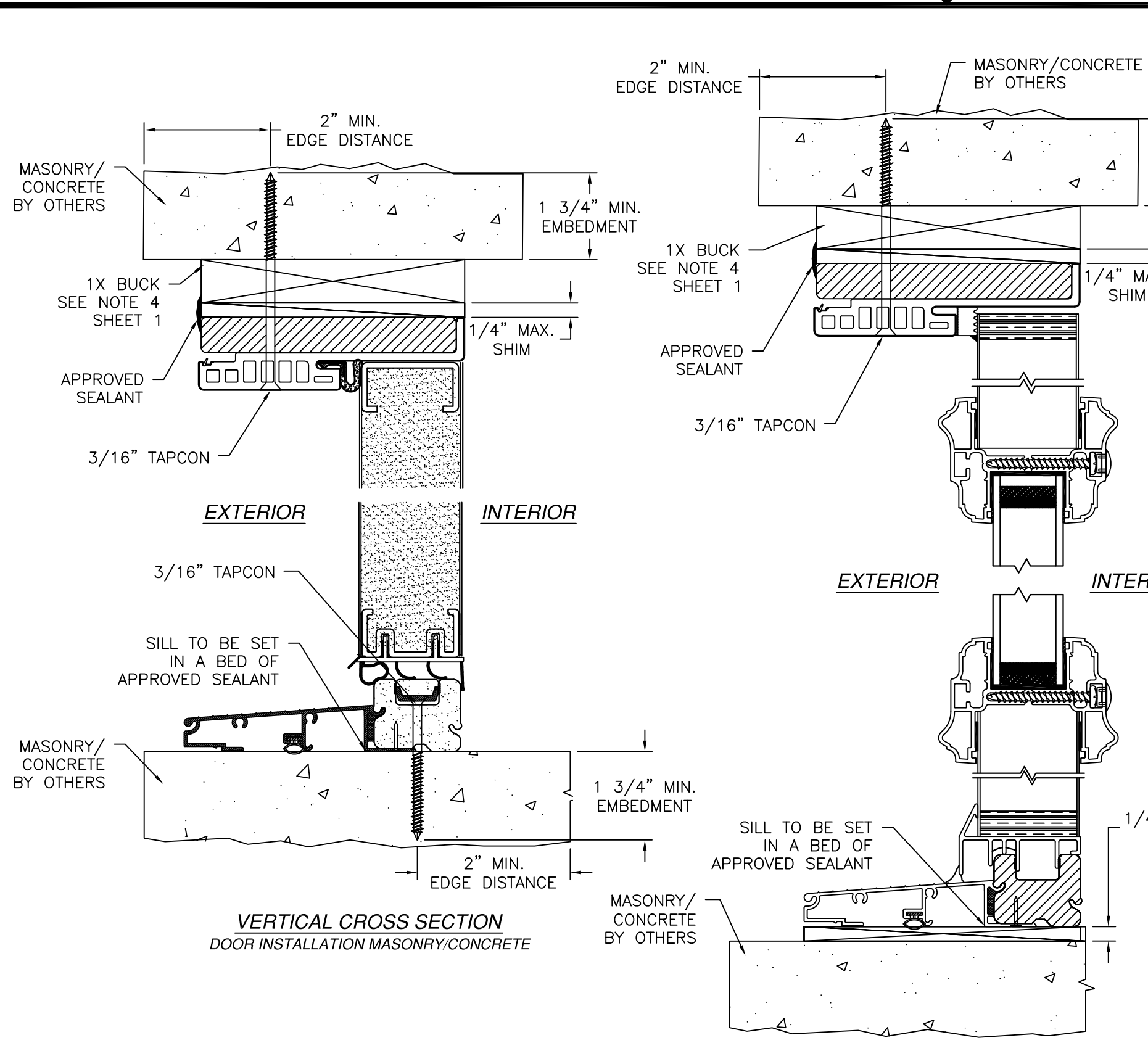
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

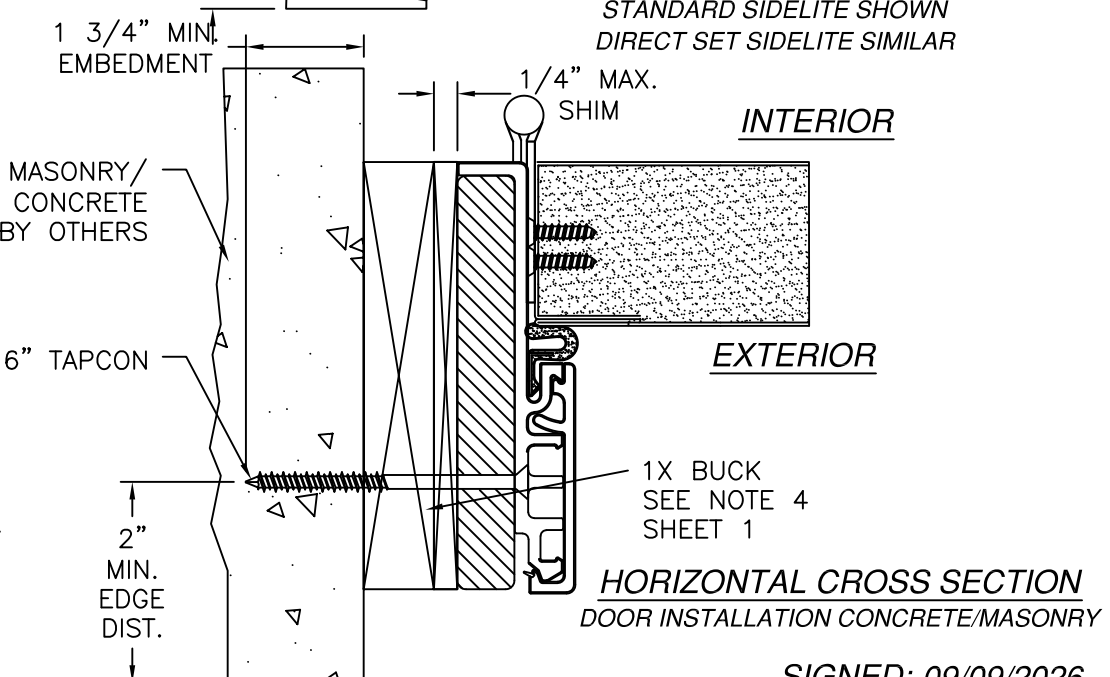
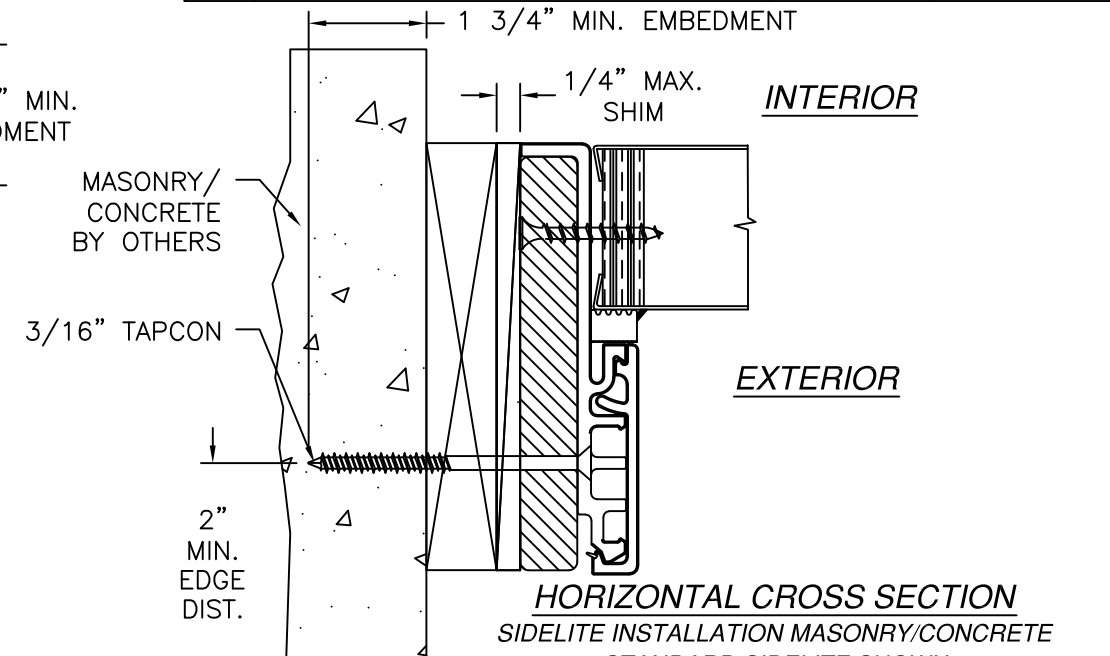
SIGNED: 09/09/2026



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



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



- 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

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

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN: N.G.	DWG NO. 08-02085	REV K
SCALE NTS	DATE 06/20/13	SHEET 10 OF 15

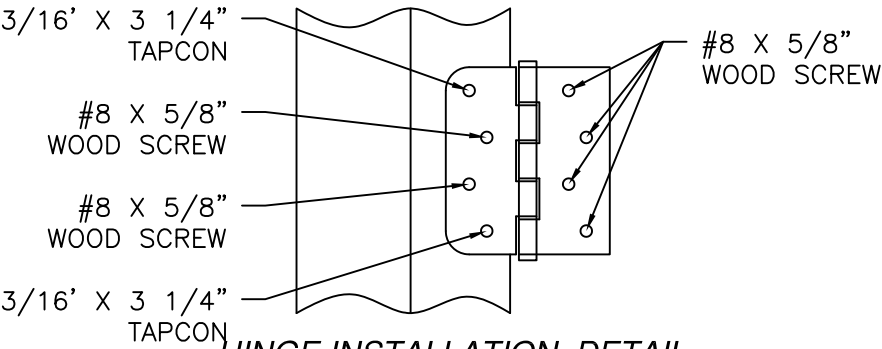
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026

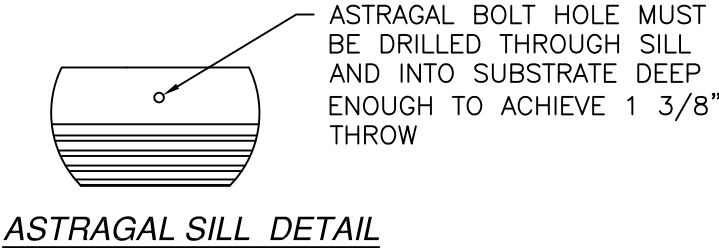
LUIS R. LOMAS
P.E.
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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



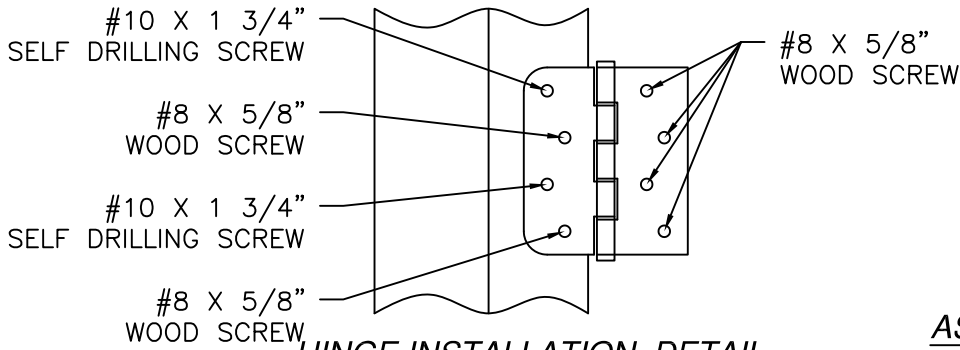
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



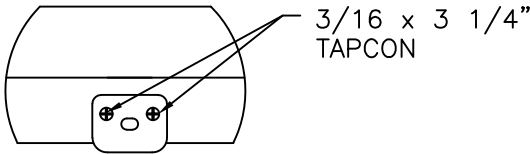
ASTRAGAL SILL DETAIL



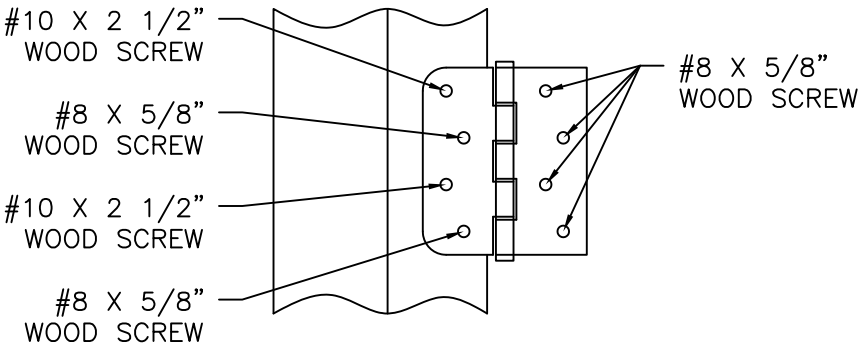
ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING
OR METAL STRUCTURE



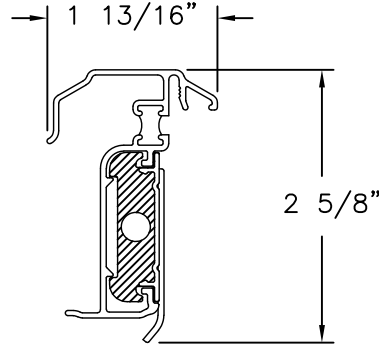
HINGE INSTALLATION DETAIL
METAL STRUCTURE



ASTRAGAL HEAD STRIKE DETAIL
MASONRY/CONCRETE



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



HURRICANE ASTRAGAL DETAIL

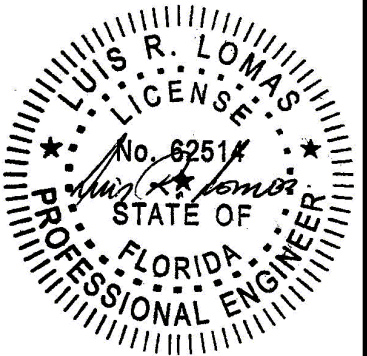
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: N.G.	DWG NO. 08-02085	REV K
SCALE NTS	DATE 06/20/13	SHEET 11 OF 15

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

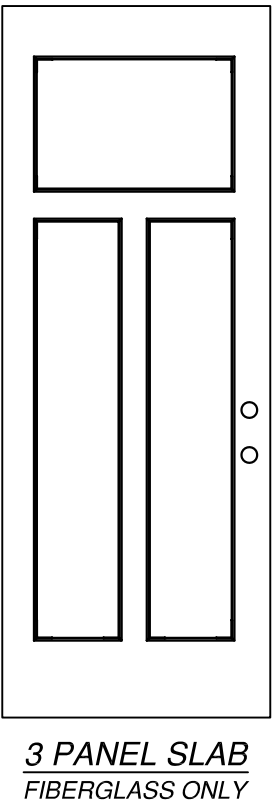
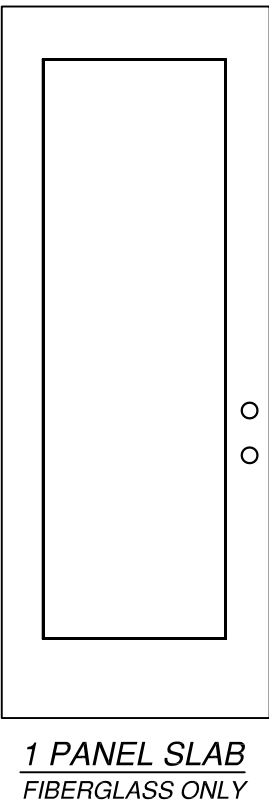
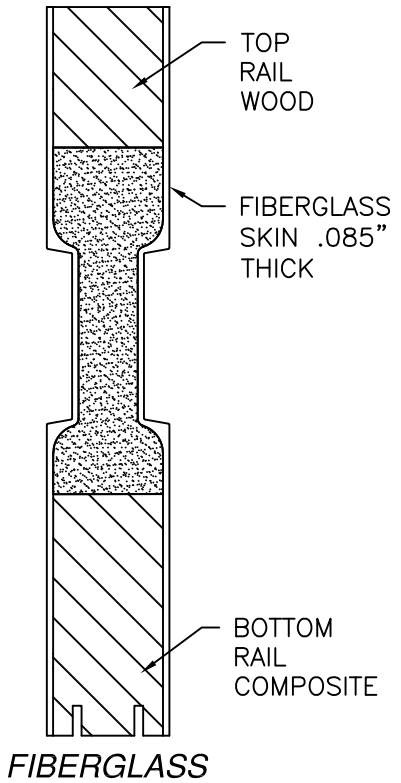
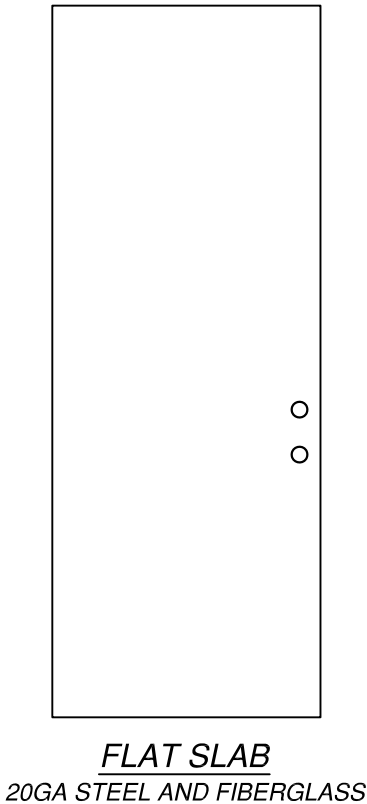
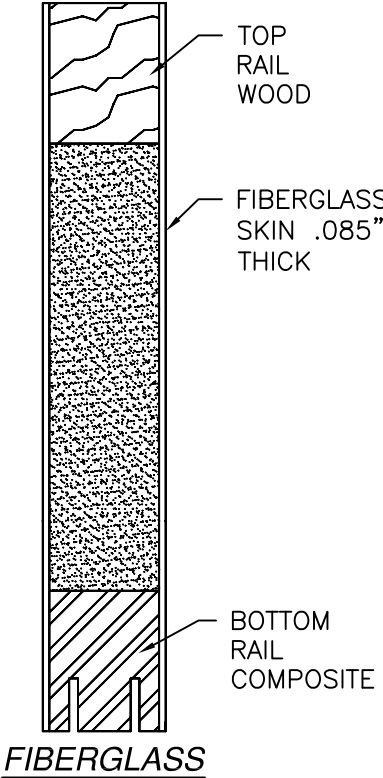
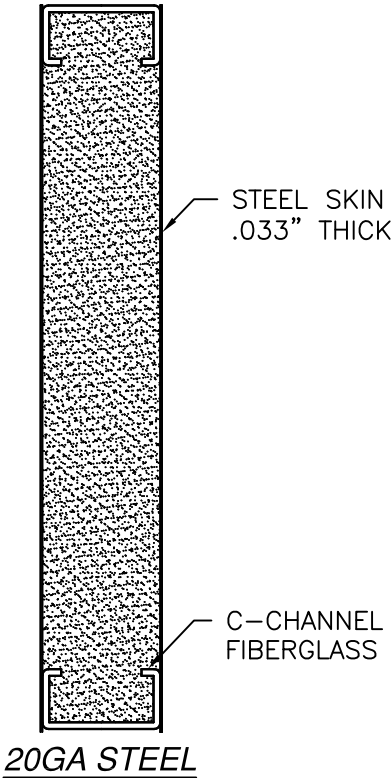
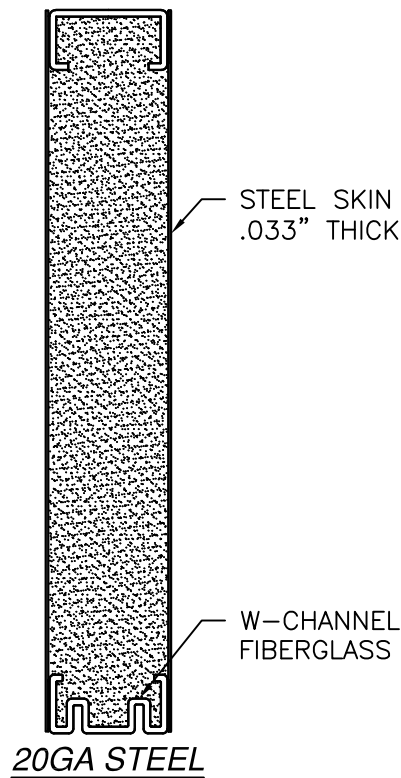
SIGNED: 09/09/2026



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

APPROVED DOOR SLABS AND CROSS SECTIONS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
SLAB OPTIONS

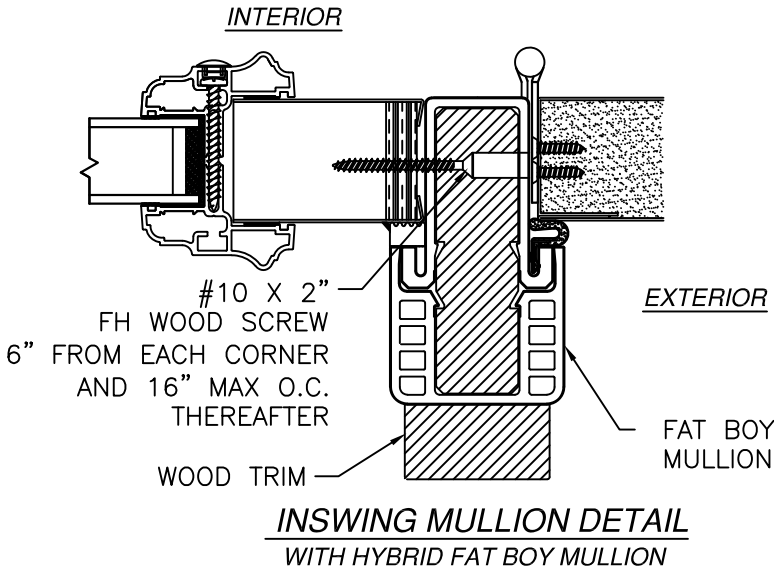
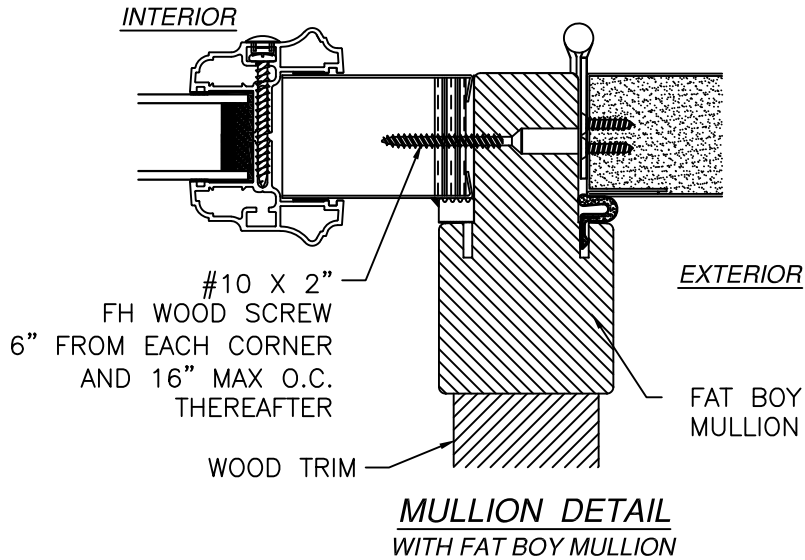
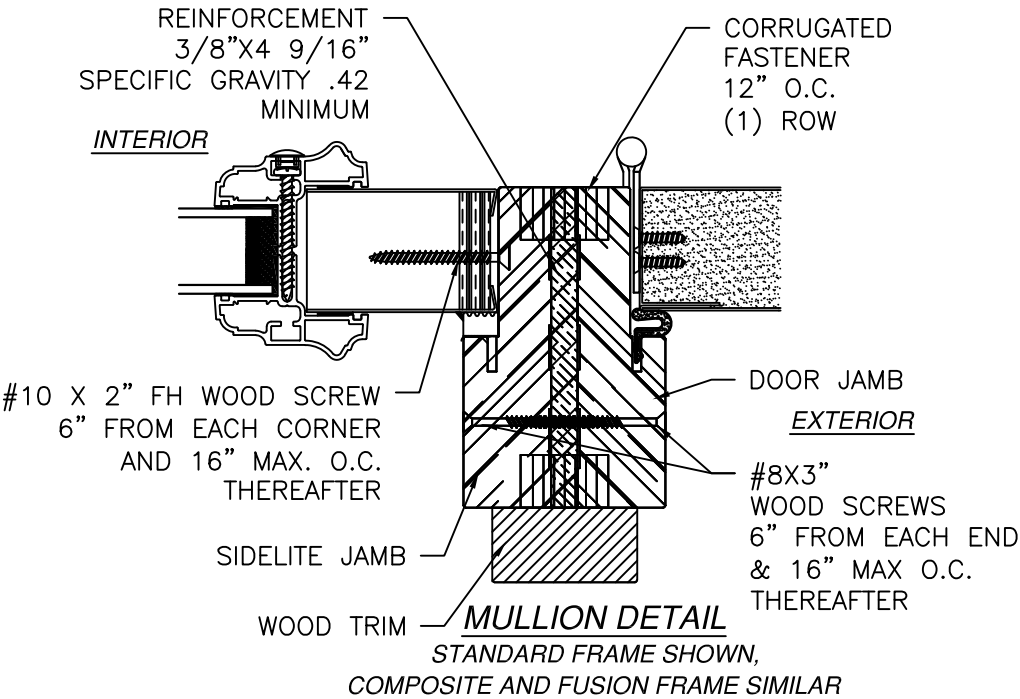
DRAWN: N.G.	DWG NO. 08-02085	REV K
SCALE NTS	DATE 06/20/13	SHEET 12 OF 15

L. ROBERTO LOMAS P.E.
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SIGNED: 09/09/2026

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

REVISIONS			
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PROVIA, LLC.

2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
MULLION DETAILS

DRAWN:

N.G.

DWG NO.

08-02085

REV

K

SCALE

NTS

DATE

06/20/13

SHEET

13 OF 15

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

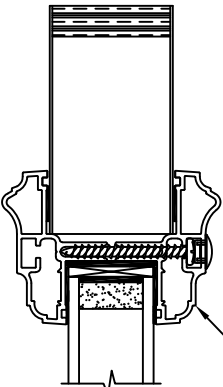
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026

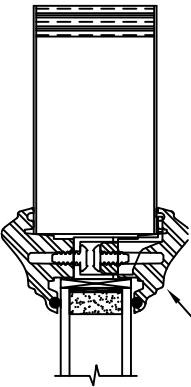
Luis R. Lomas P.E.
FL No.: 62514

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

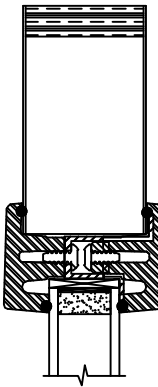
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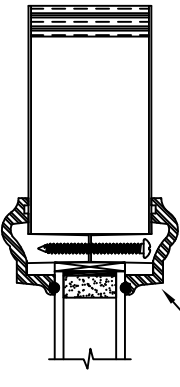
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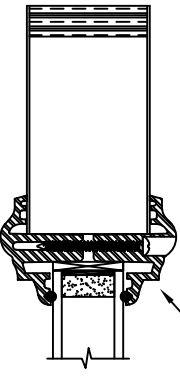
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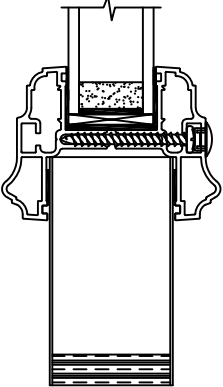
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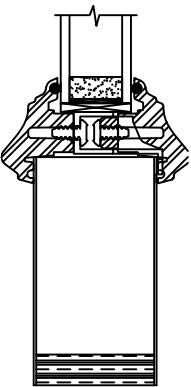
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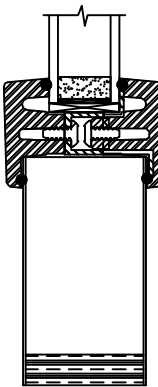
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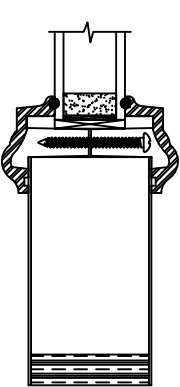
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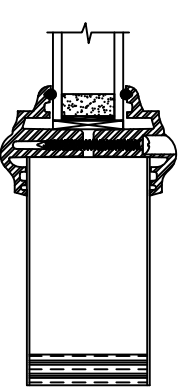
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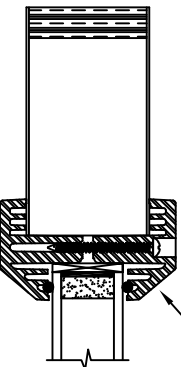
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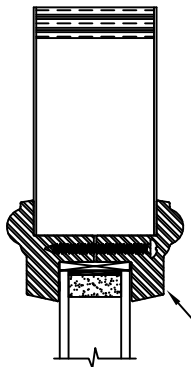
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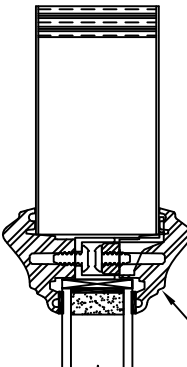
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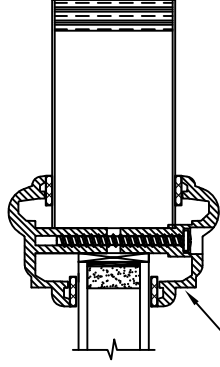
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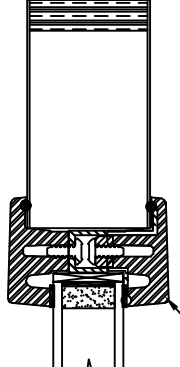
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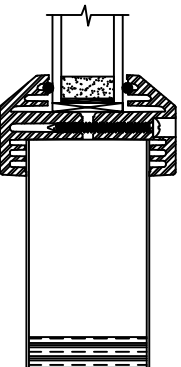
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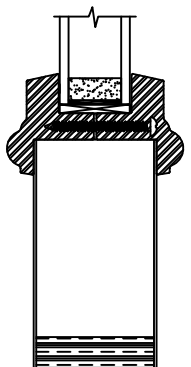
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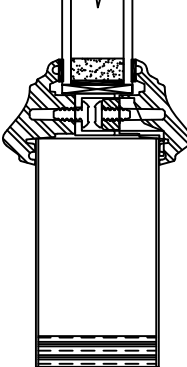
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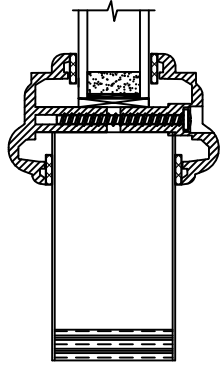
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SPOTLIGHT TRIM



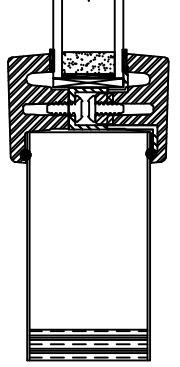
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RSL TRIM



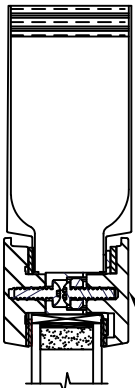
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PLUGLESS TRIM
W/TAPE



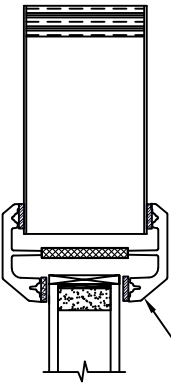
OPTION 9
ELTON TRIM



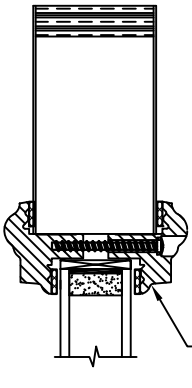
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SMOOTH TRIM
W/TAPE



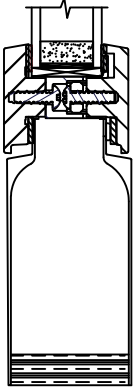
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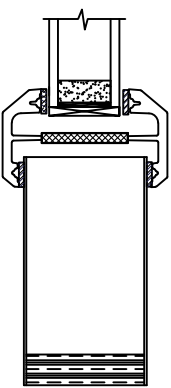
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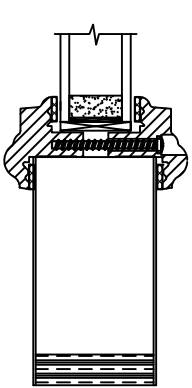
XLE TRIM



OPTION 11
SIGNET FIR TRIM



OPTION 12
ODL ZEEL TRIM



OPTION 13
XLE TRIM

SIGNED: 09/09/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: N.G.

DWG NO. 08-02085

REV K

SCALE NTS

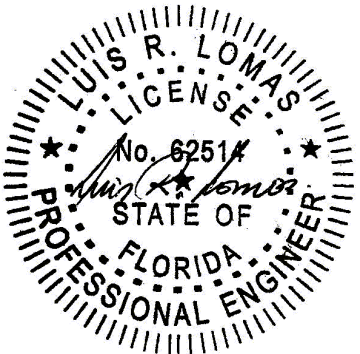
DATE 06/20/13

SHEET 14 OF 15

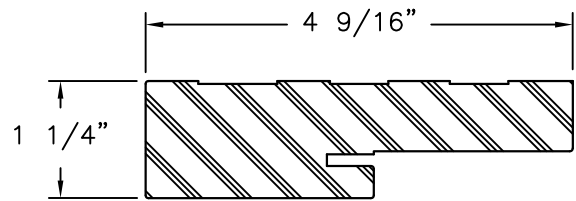
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

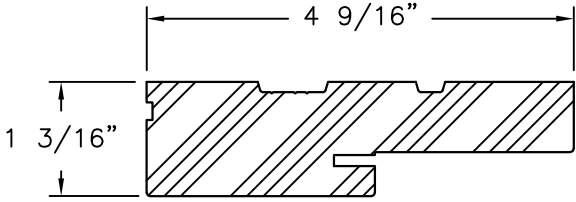
434-688-0609 rllomas@lrlomaspe.com



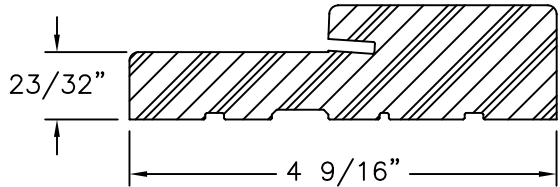
Luis R. Lomas P.E.
FL No.: 62514



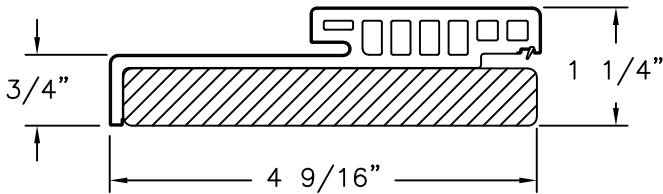
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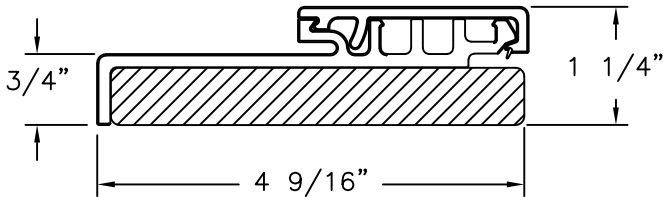
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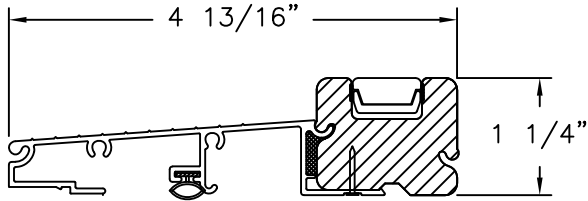
FRAMESAVER
COMPOSITE



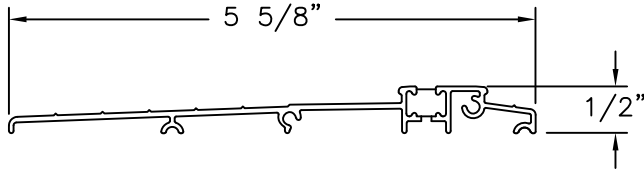
HYBRID HEAD
WOOD/COMPOSITE



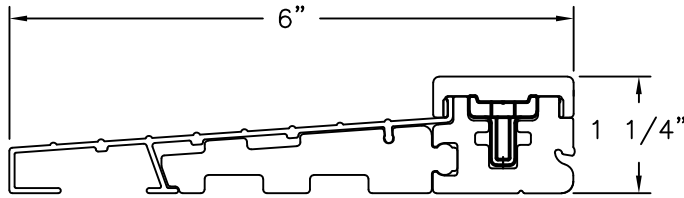
HYBRID JAMB
WOOD/COMPOSITE



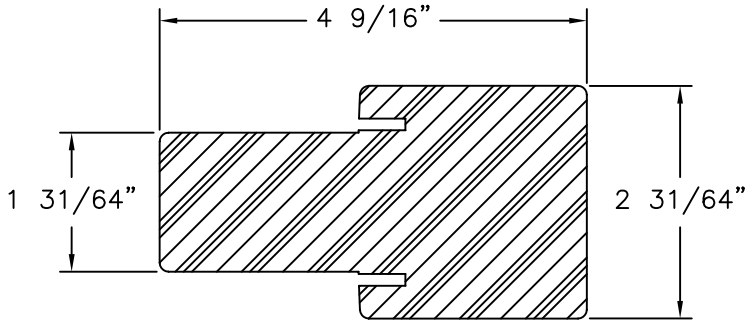
SAHARA INSWING THRESHOLD



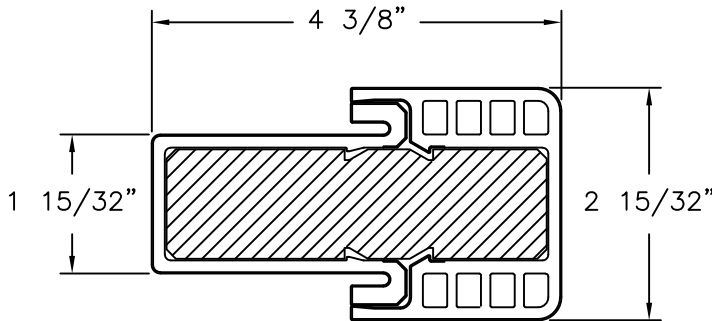
ADA THRESHOLD



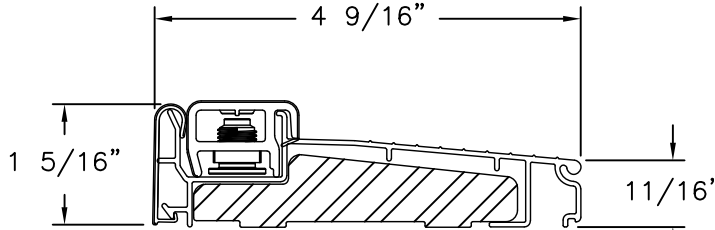
STANDARD INSWING THRESHOLD



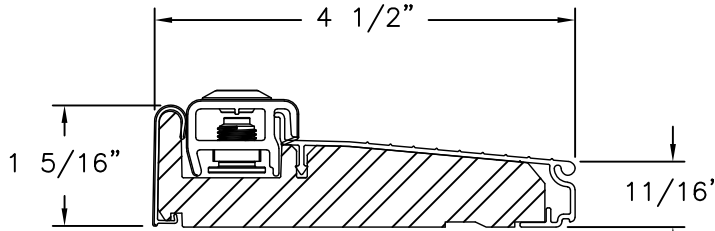
FAT BOY MULLION
COMPOSITE



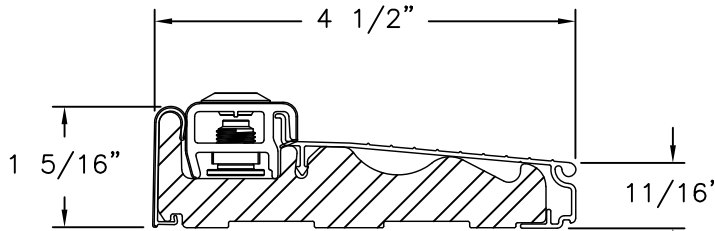
HYBRID FAT BOY MULLION
COMPOSITE



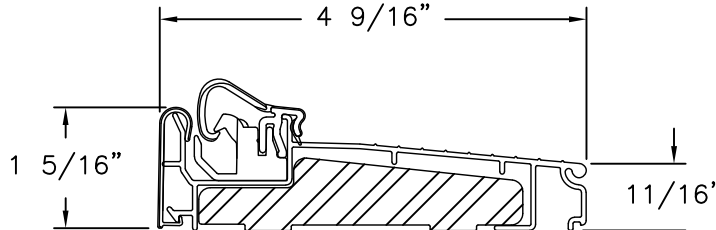
INSWING SILL ZAIL4565



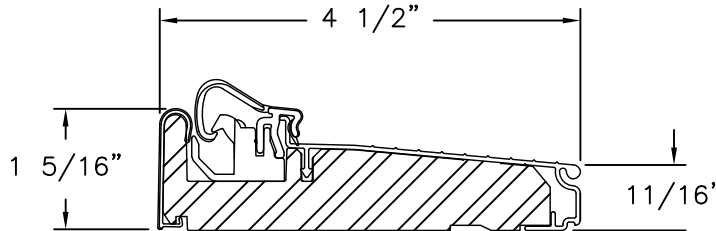
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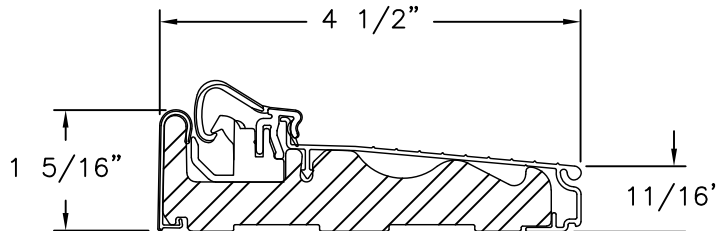
INSWING SILL ZAILH4565



INSWING SILL ZACL4565



INSWING SILL ZAC4565F



INSWING SILL ZACLH4565

REVISIONS			
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K	REVISED HARDWARE SCHEDULE	09/09/26	R.L.

SIGNED: 09/09/2026

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2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES NON-IMPACT
COMPONENTS

DRAWN:
N.G.

DWG NO.
08-02085

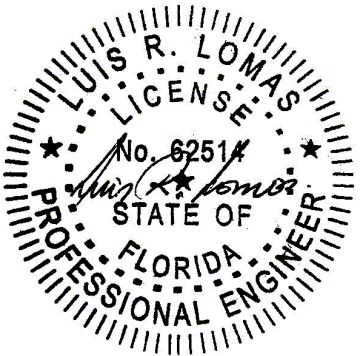
REV
K

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DATE
06/20/13

SHEET
15 OF 15

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