

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	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 DOUBLE DOOR
W/SIDELITES IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-01966

REV
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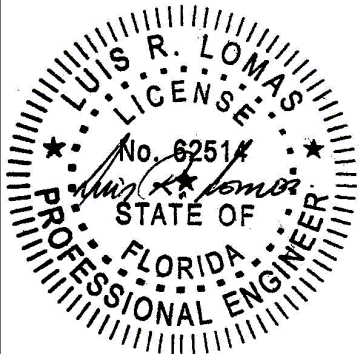
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DATE 04/22/13

SHEET 1 OF 16

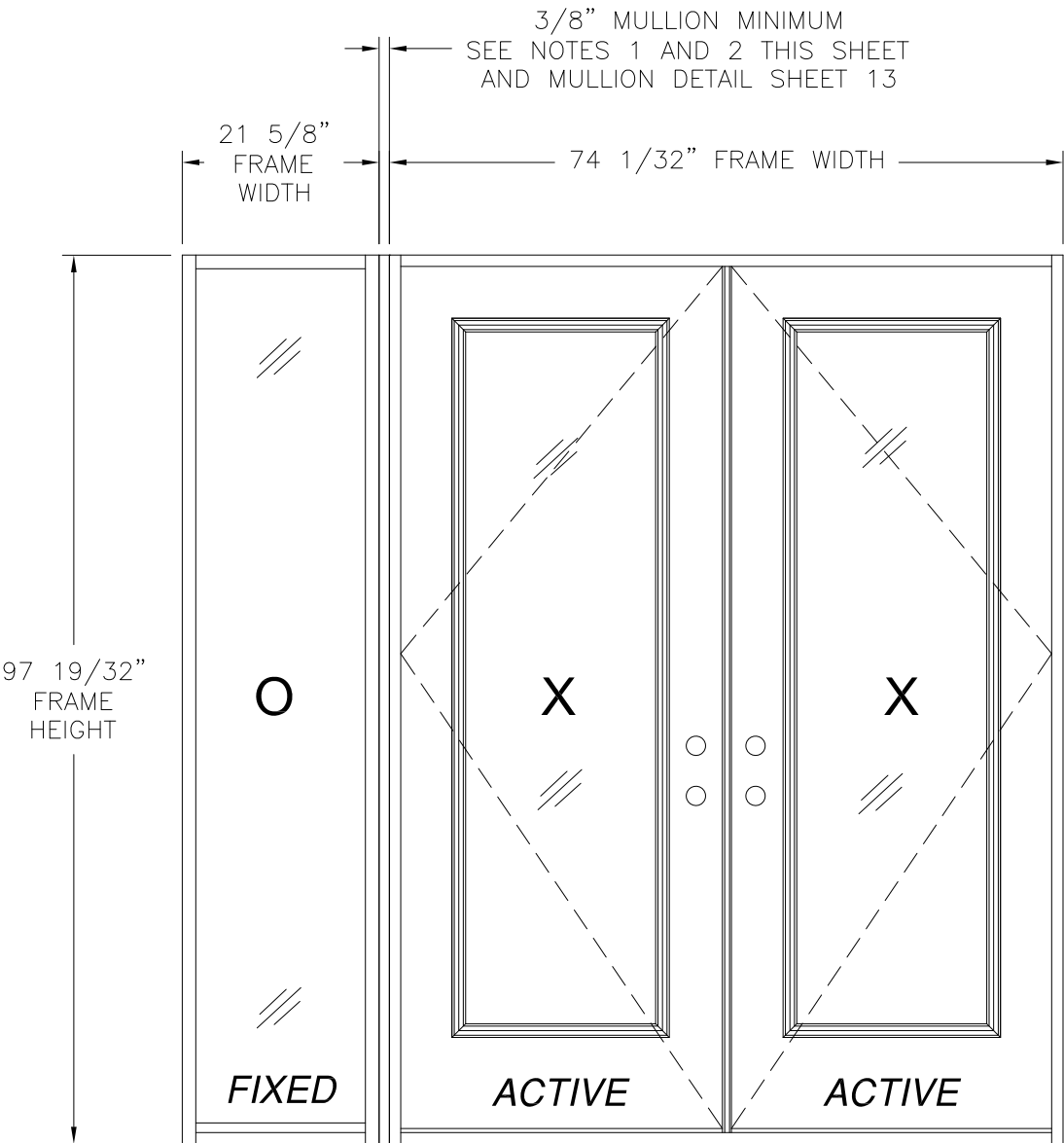
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024



Luis R. Lomas P.E.
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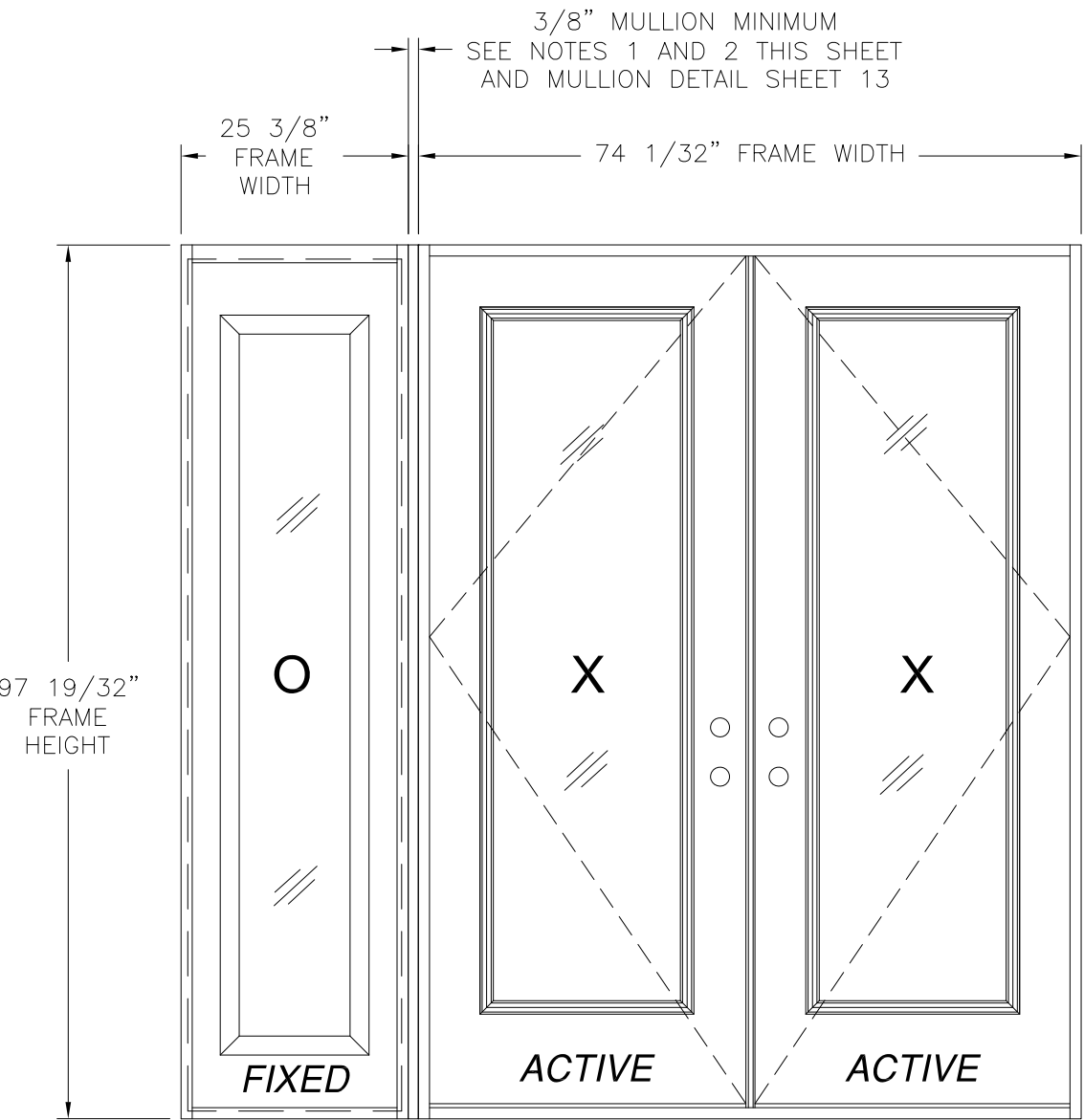
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DOUBLE DOOR W/ DIRECT SET SIDELITE
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED

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

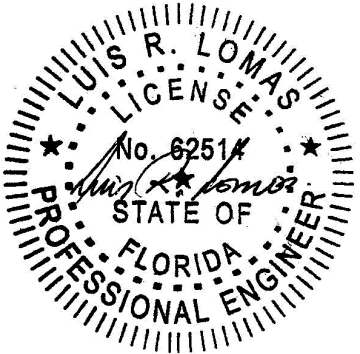
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±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

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

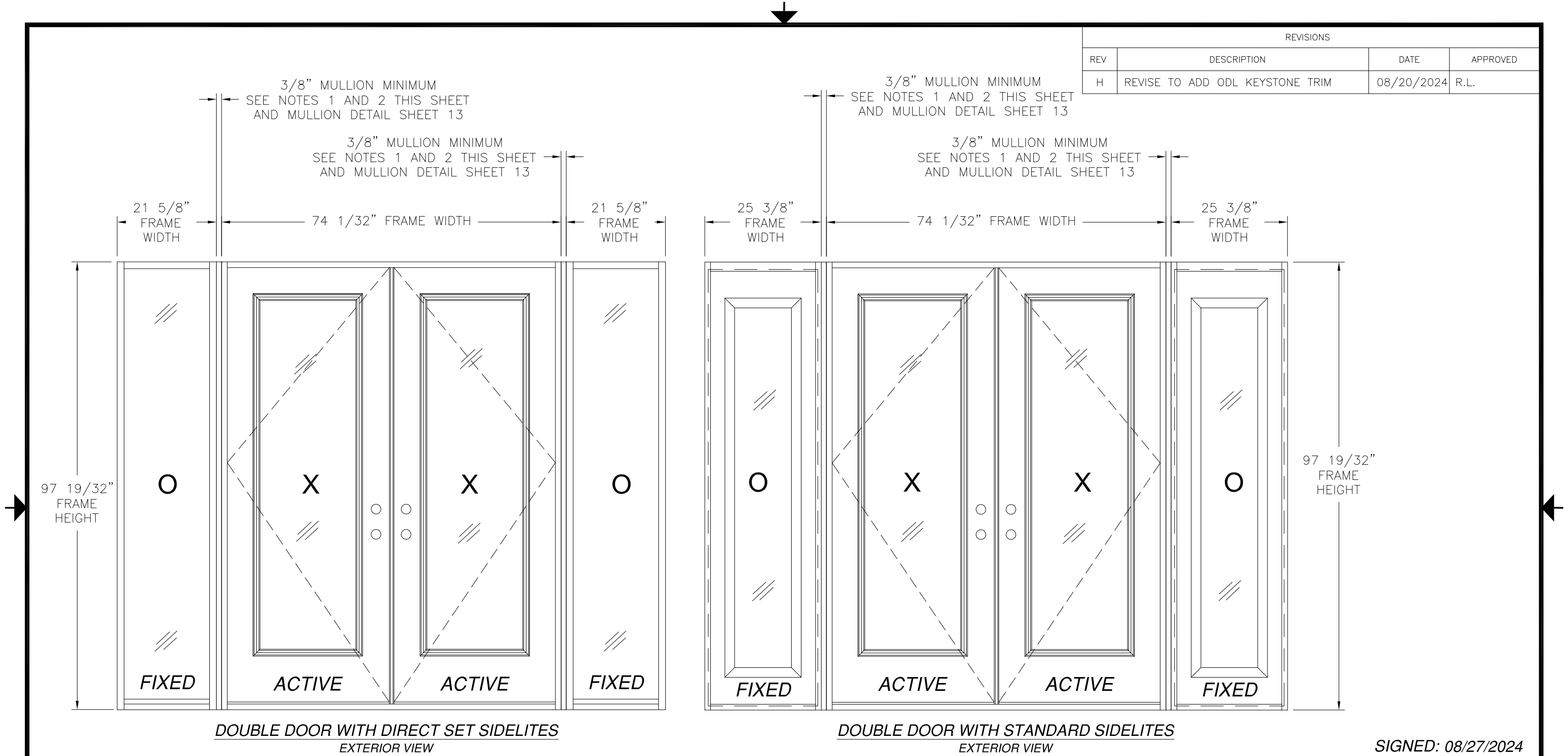
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STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 2 OF 16
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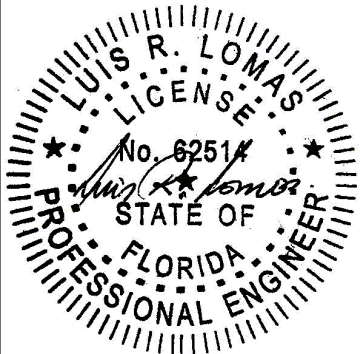


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MISSILE LEVEL D, WIND ZONE 3	
WITH PANOLOCK MULTI-POINT	
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MISSILE LEVEL D, WIND ZONE 3	

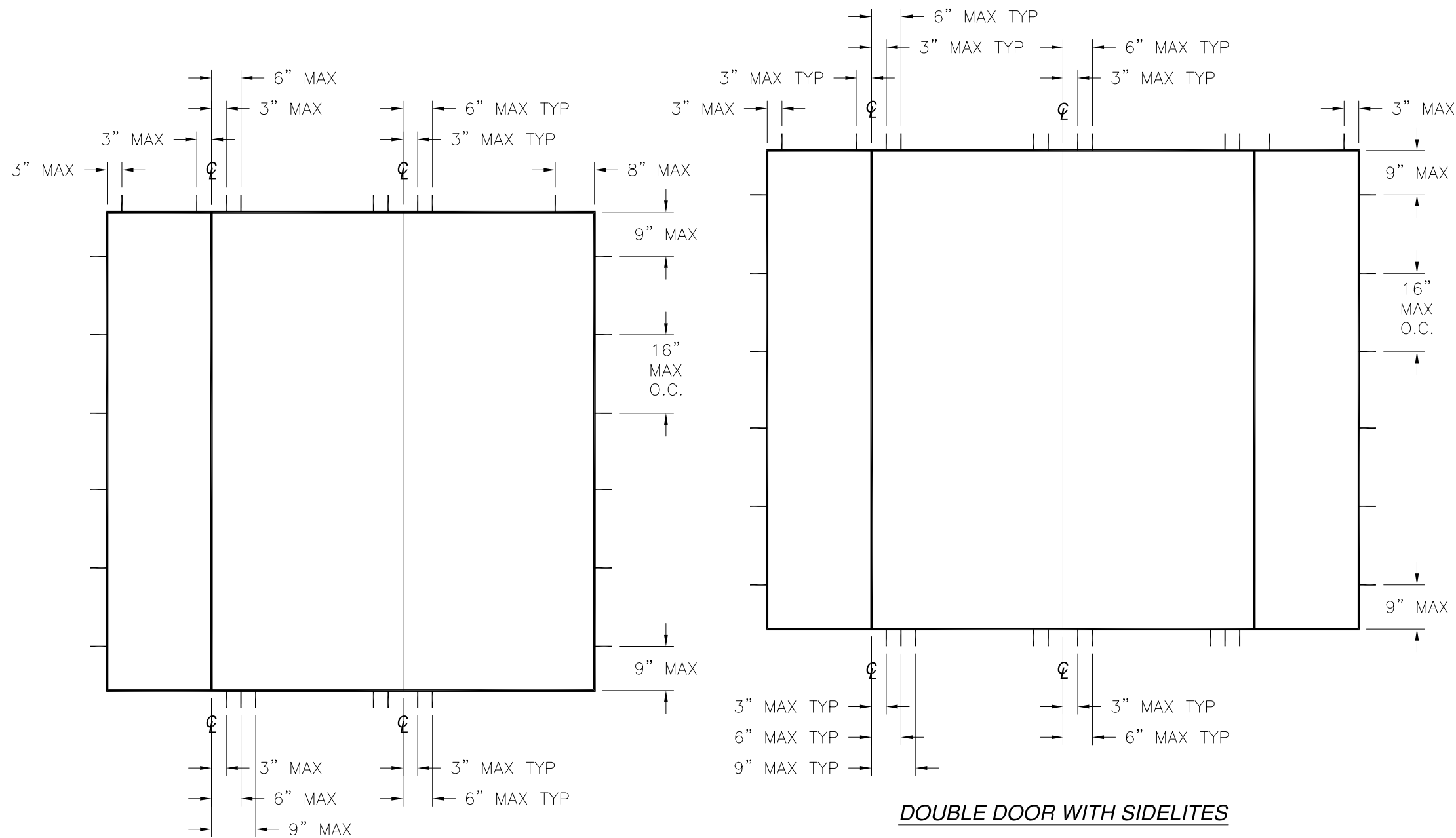
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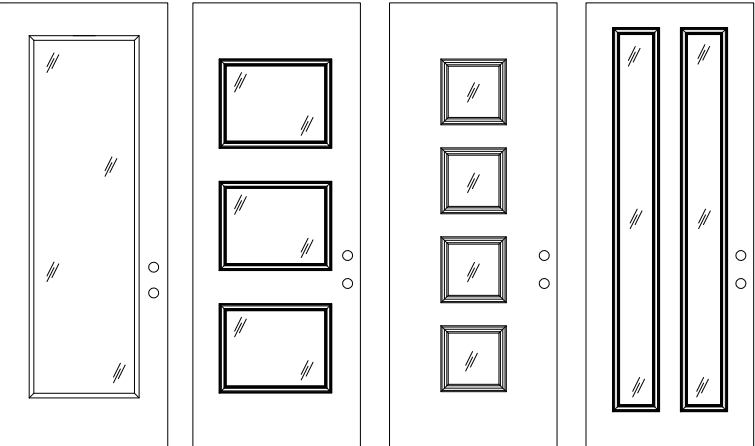


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APPROVED LITE CONFIGURATIONS



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

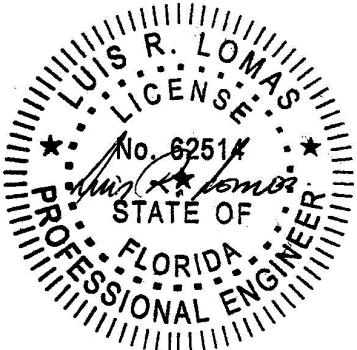
DOUBLE DOOR WITH SIDELITE

DOUBLE DOOR WITH SIDELITES

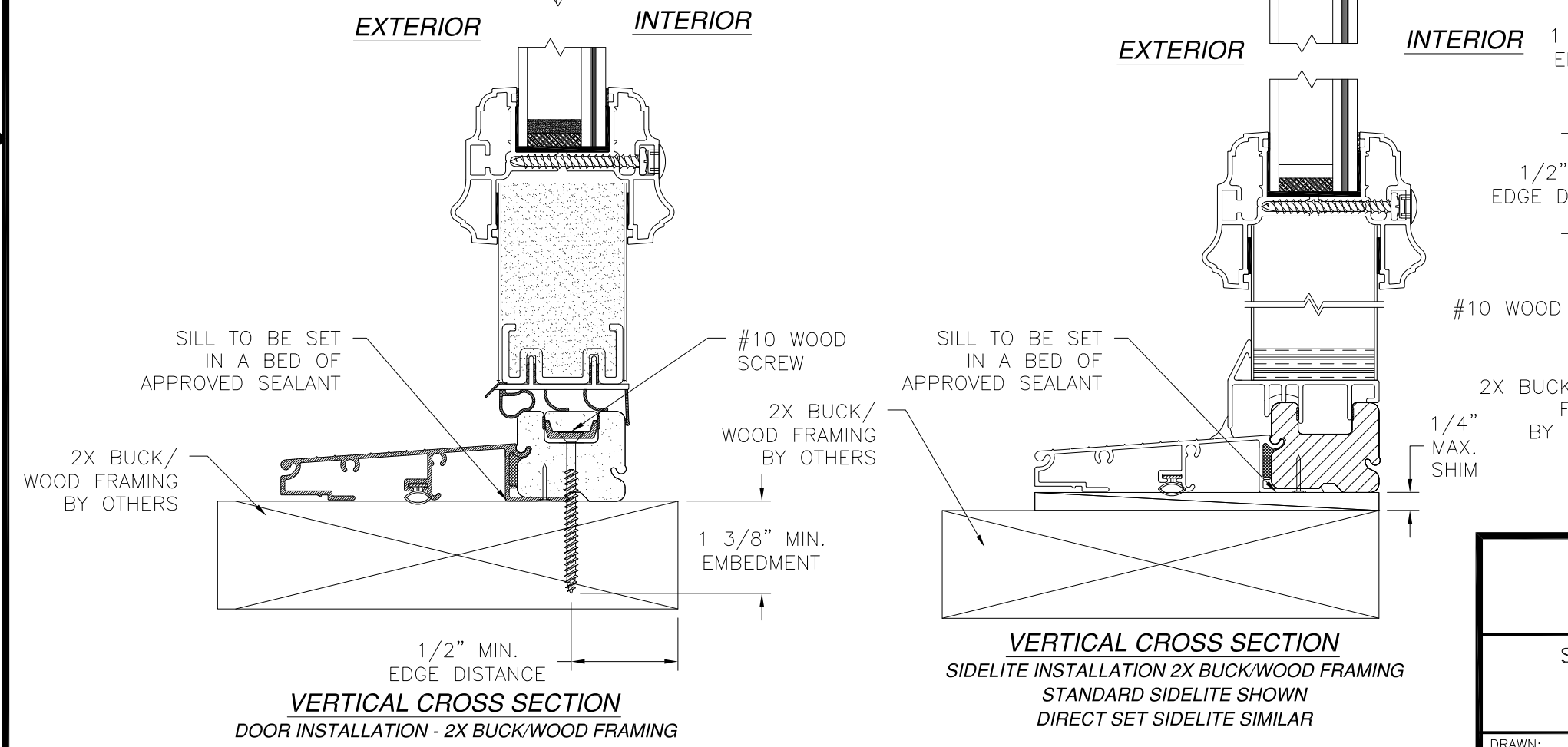
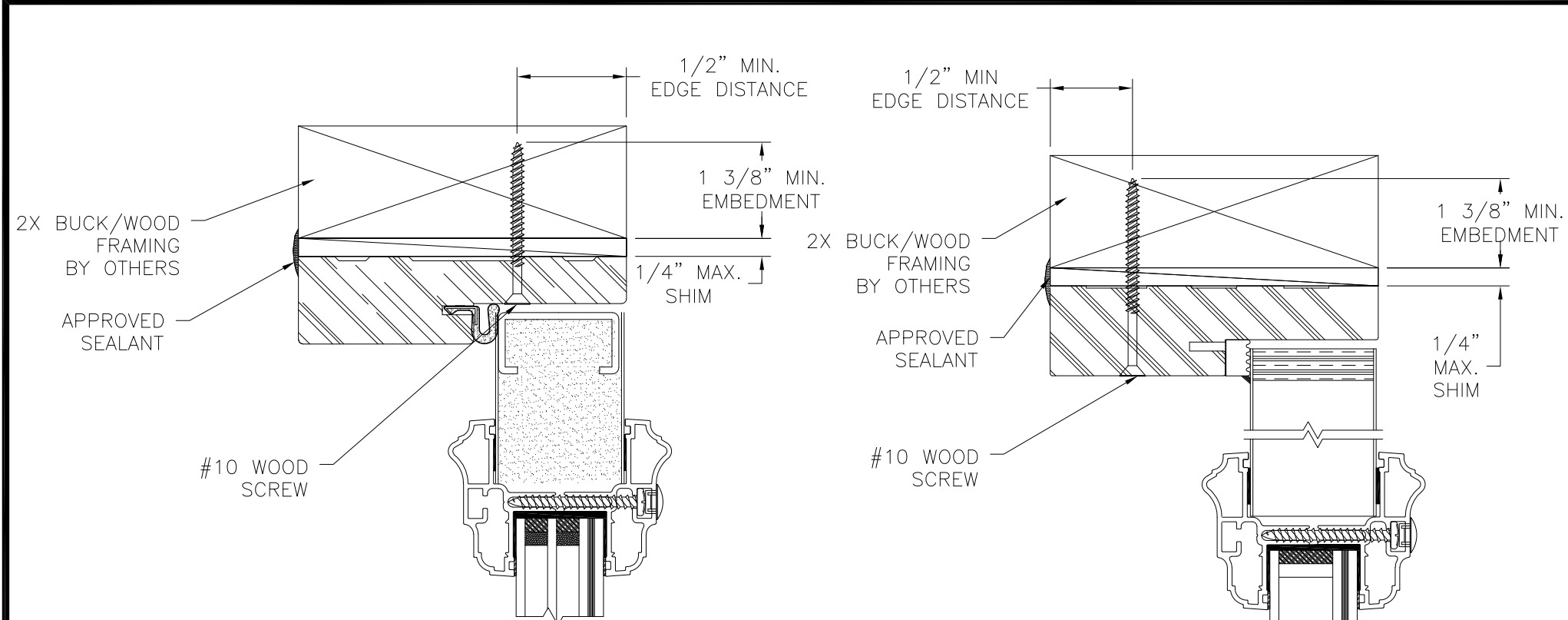
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HARDWARE SCHEDULE	
A.	F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
B.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
E.	MULTI-POINT LOCK HANDLE ASSEMBLY BY 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)

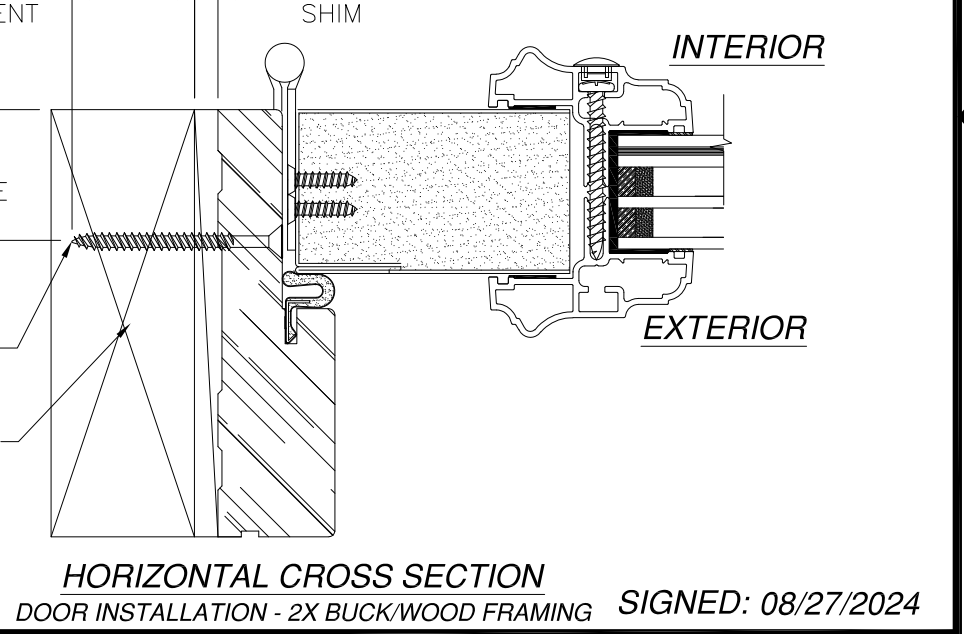
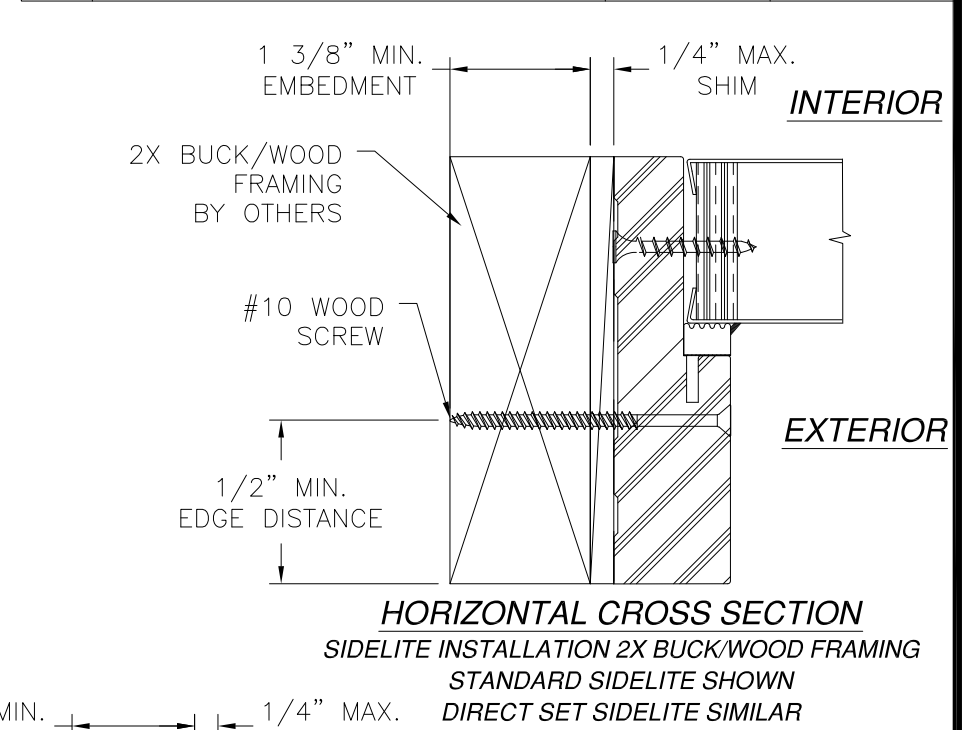
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STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT ANCHORING LAYOUTS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 4 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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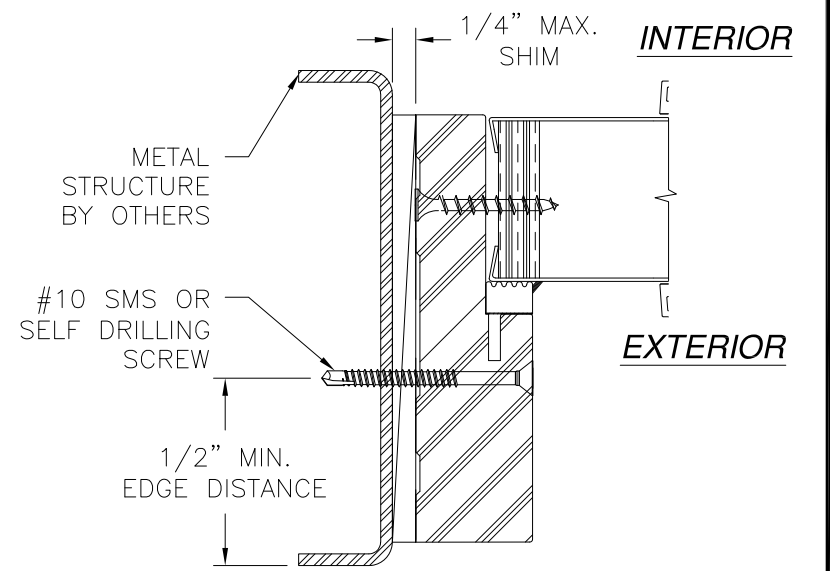
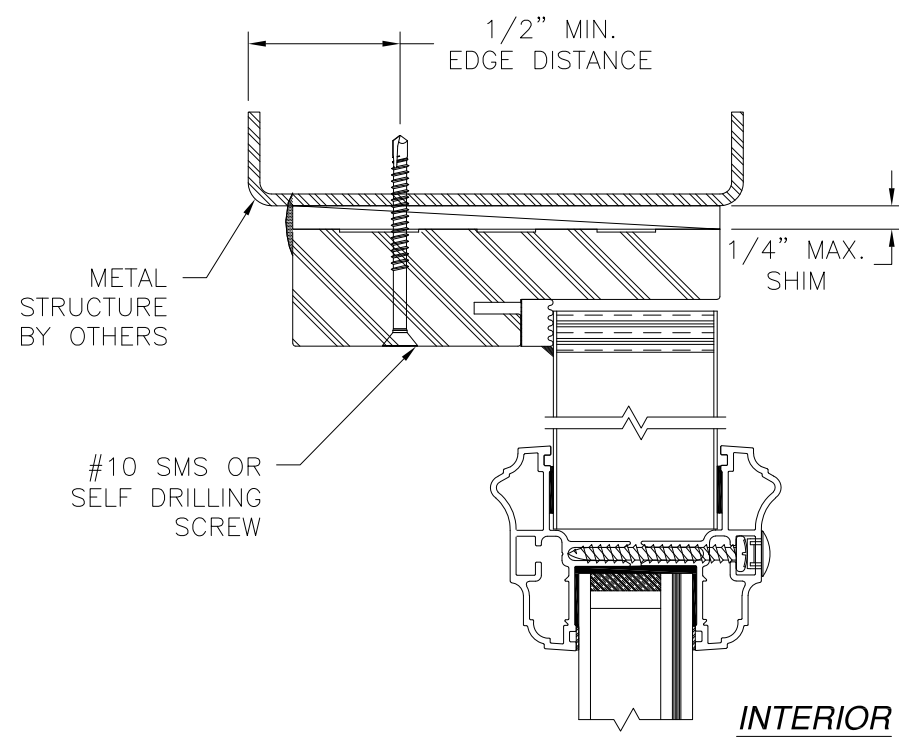
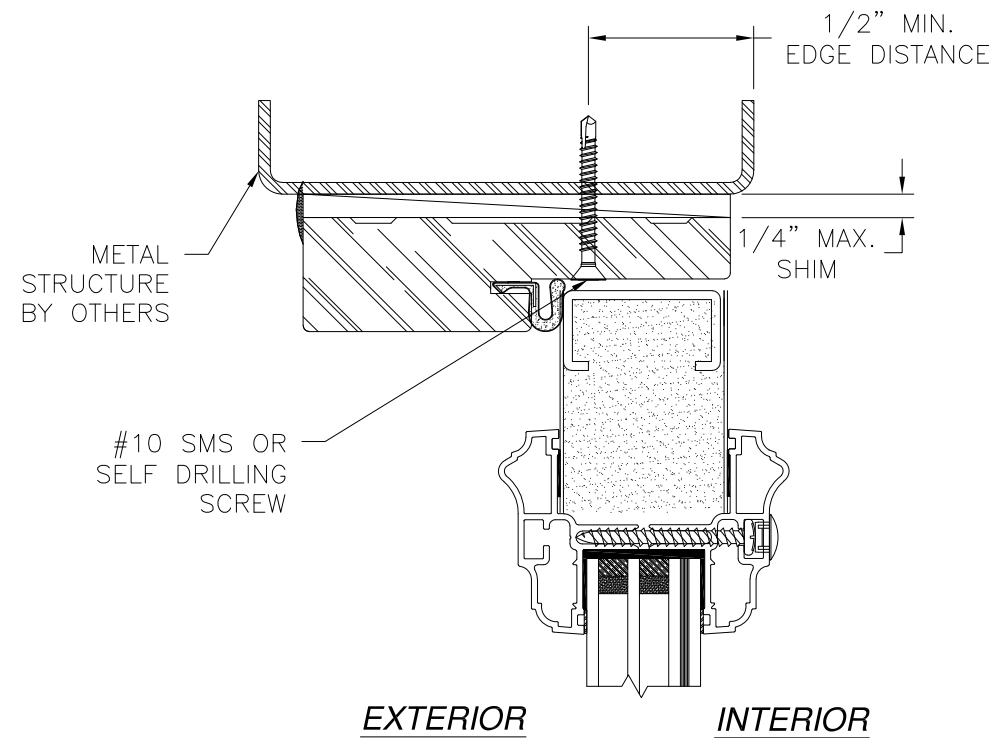
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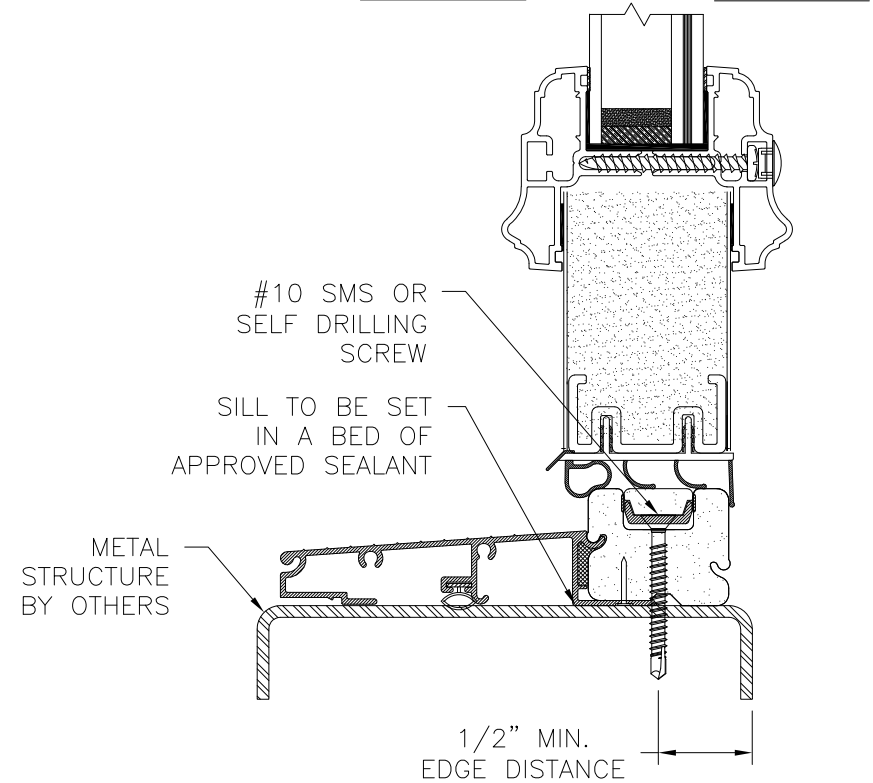
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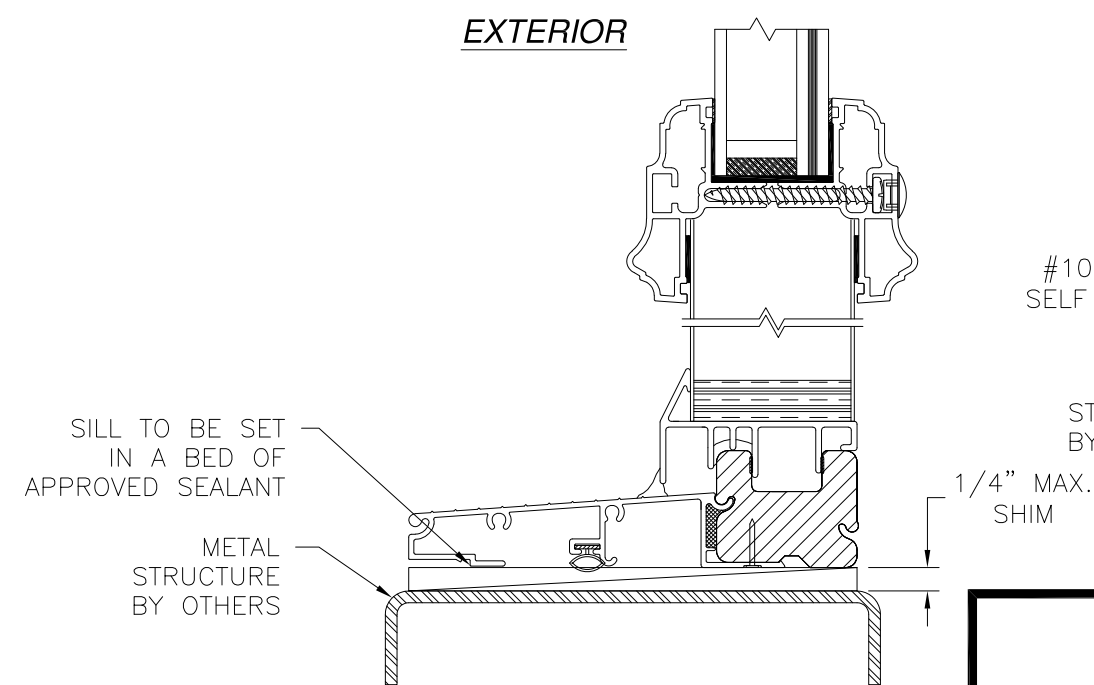
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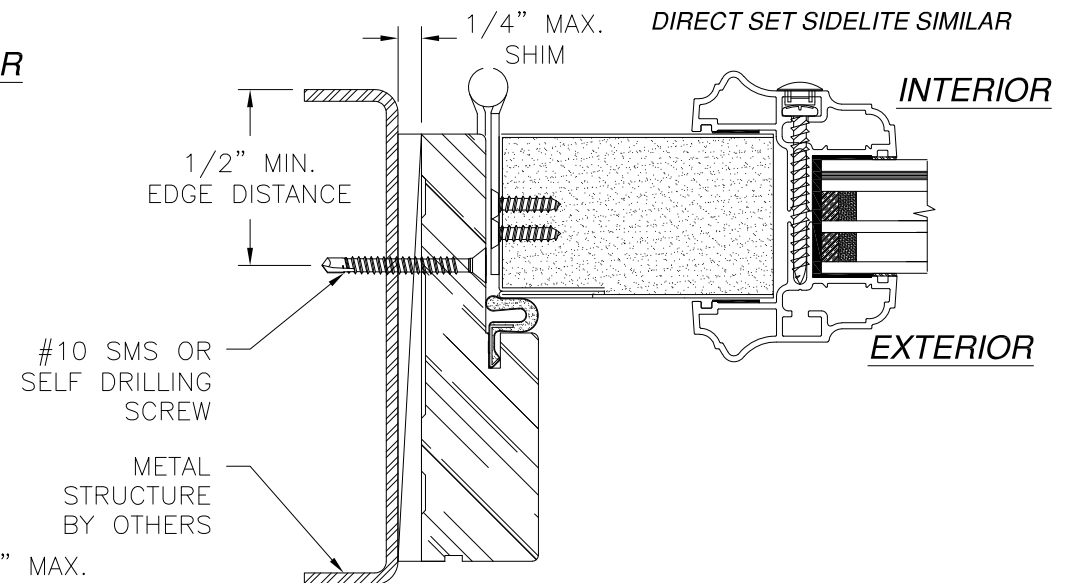
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STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



VERTICAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE



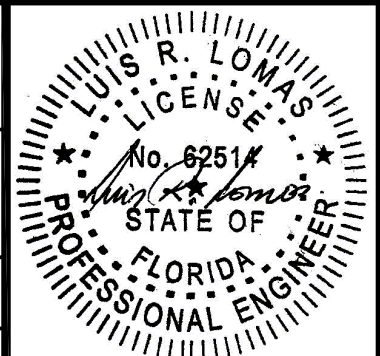
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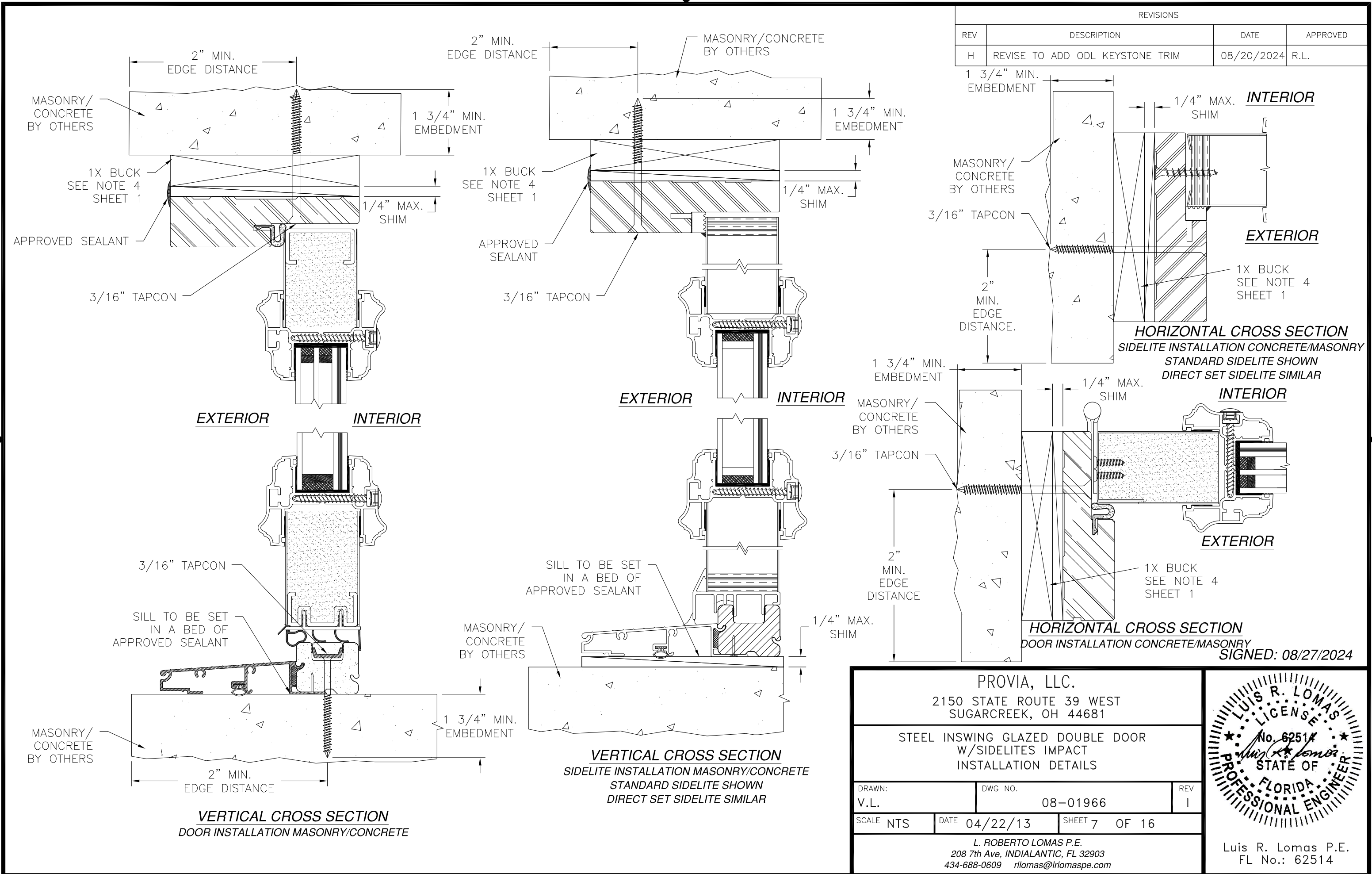
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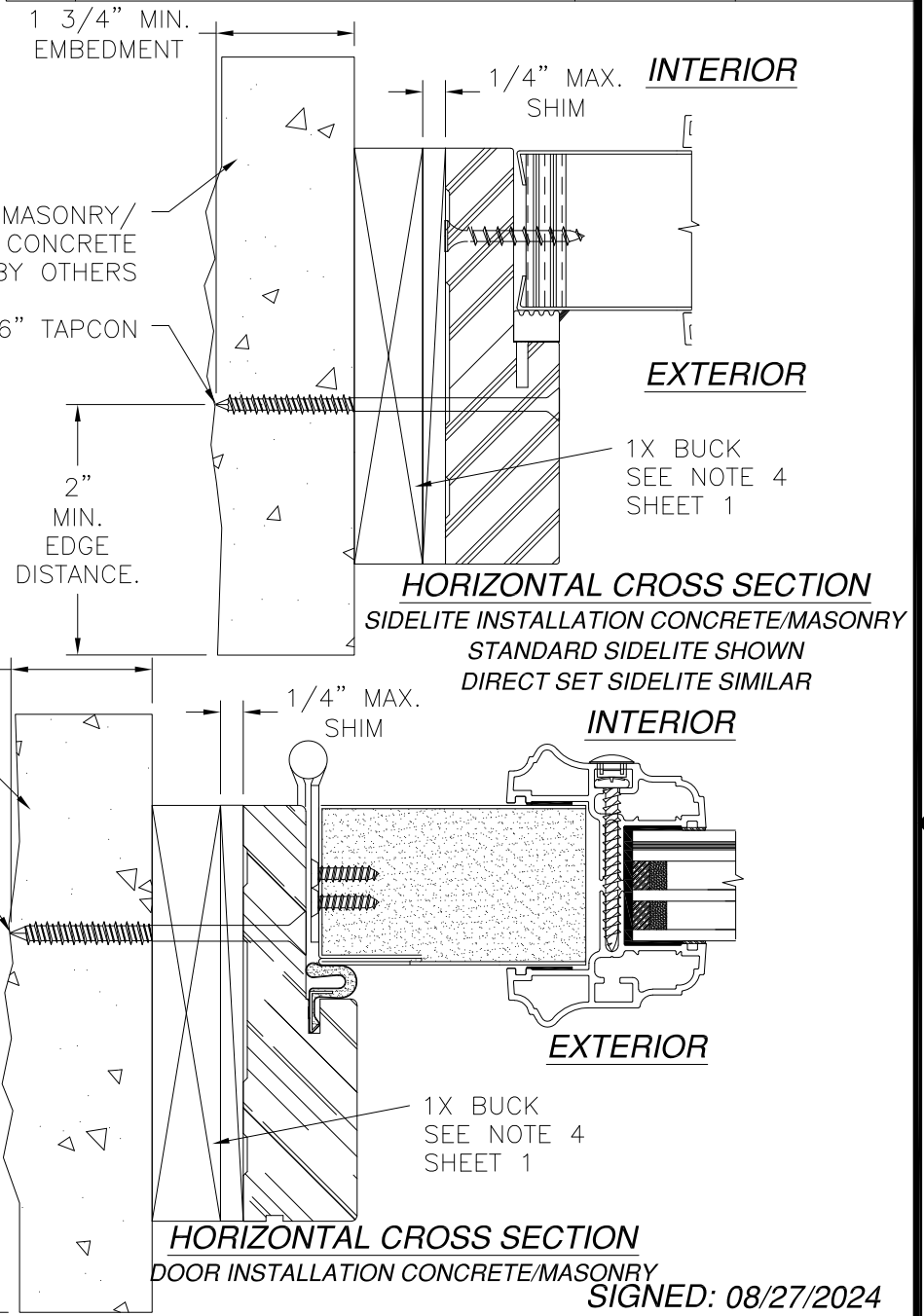
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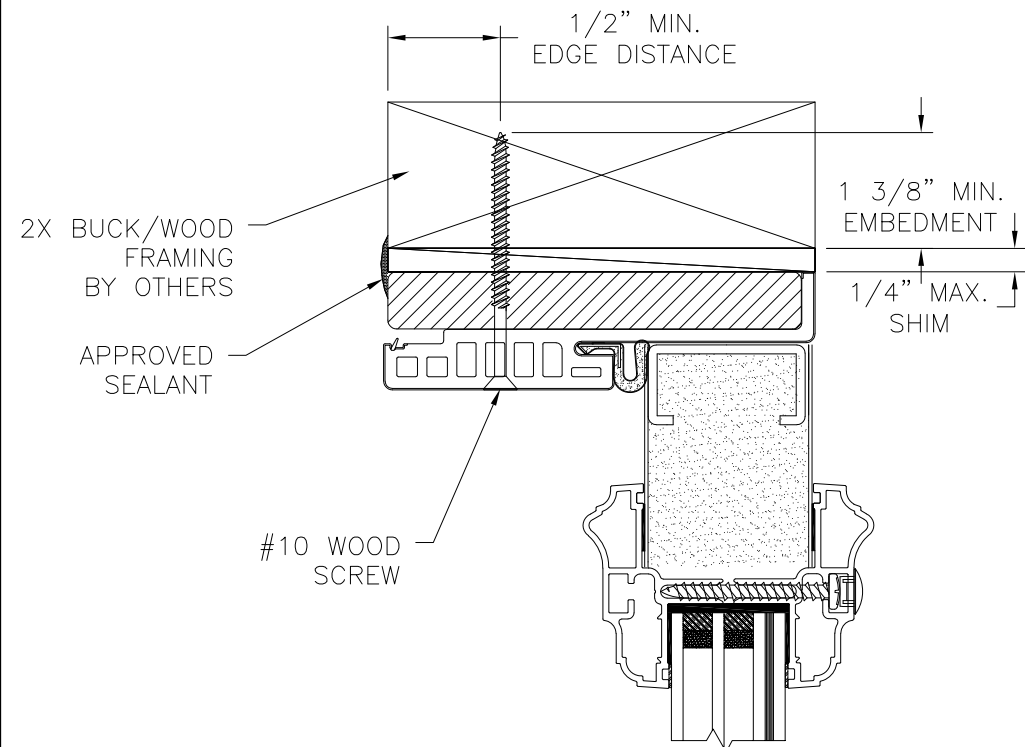
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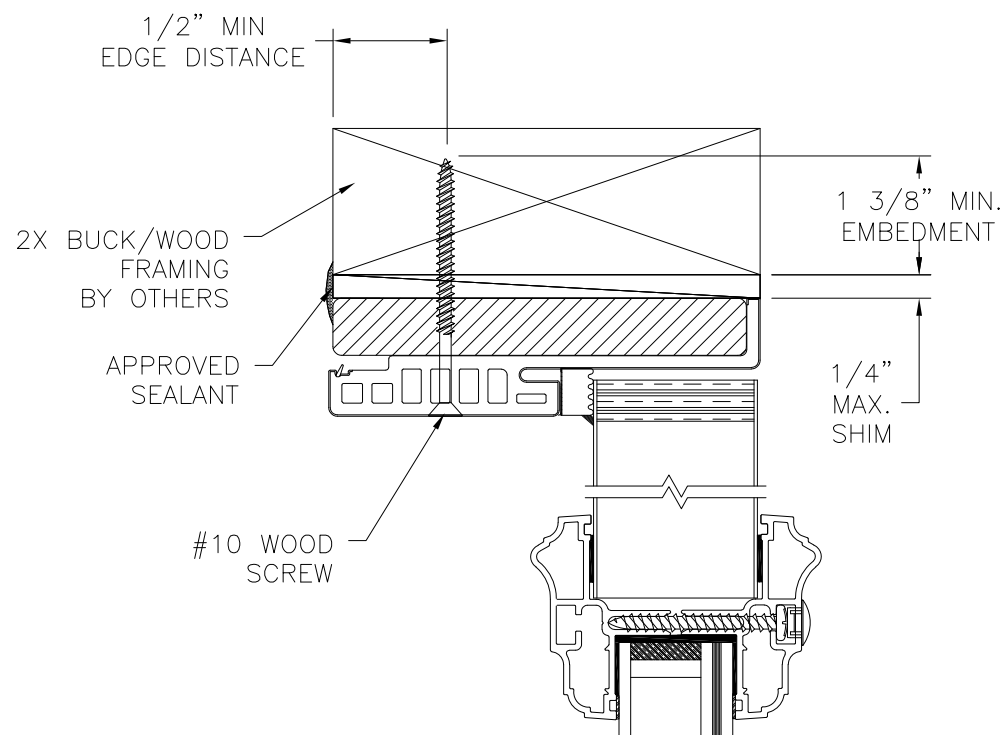
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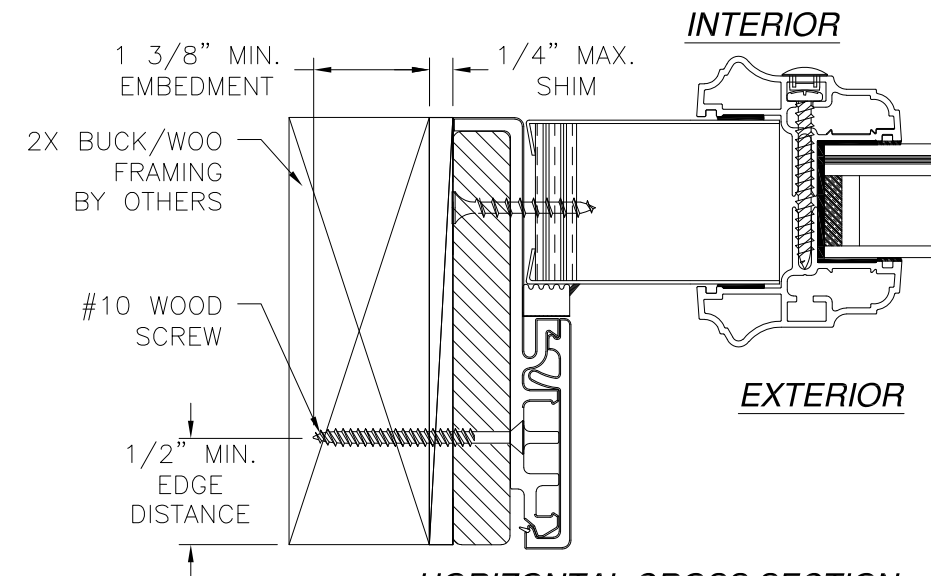
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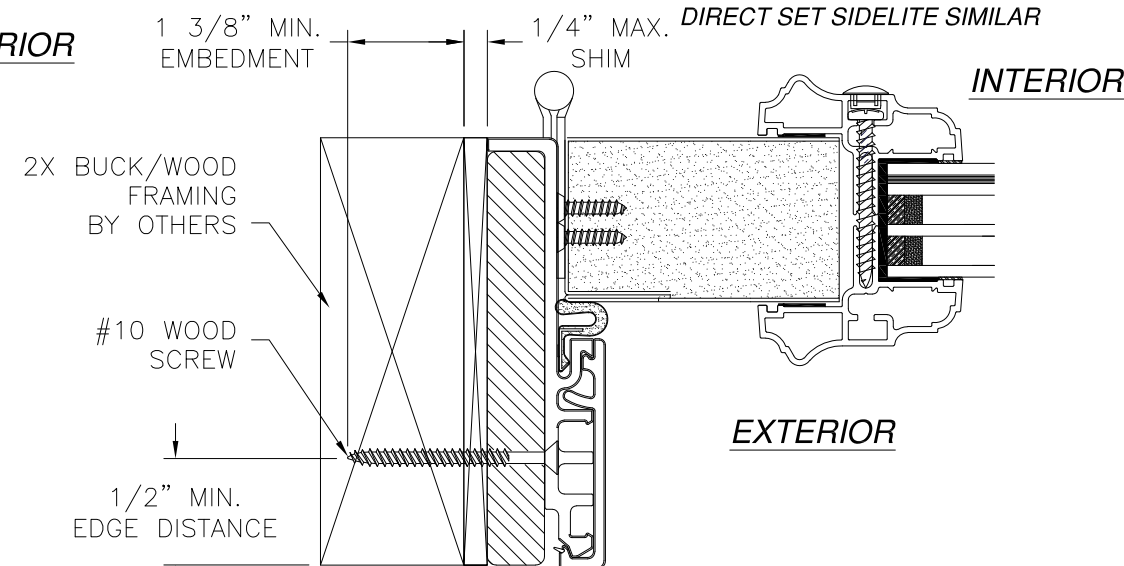
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EXTERIOR **INTERIOR**

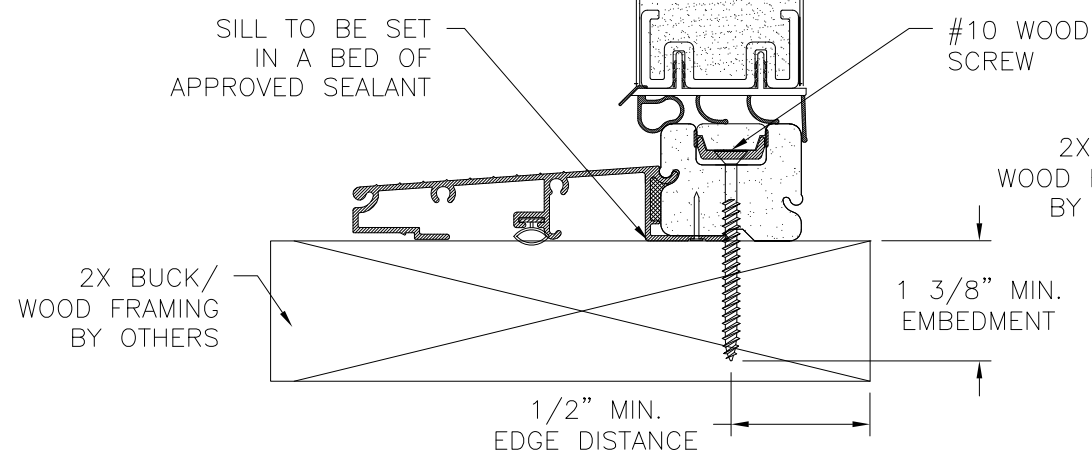


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SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
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DIRECT SET SIDELITE SIMILAR

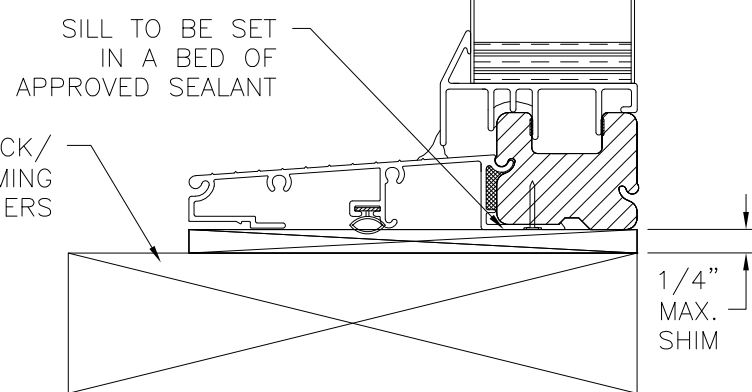


HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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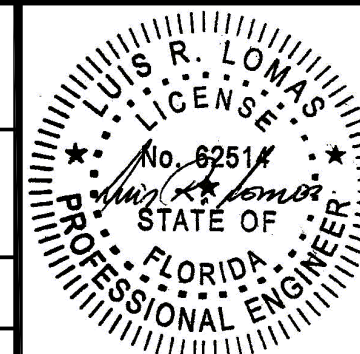
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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING



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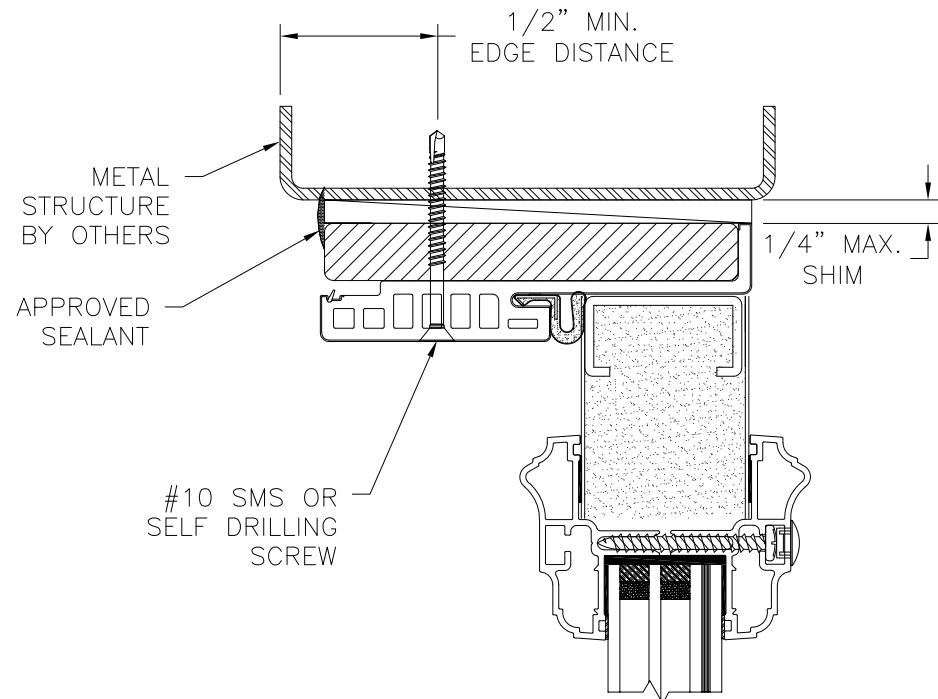
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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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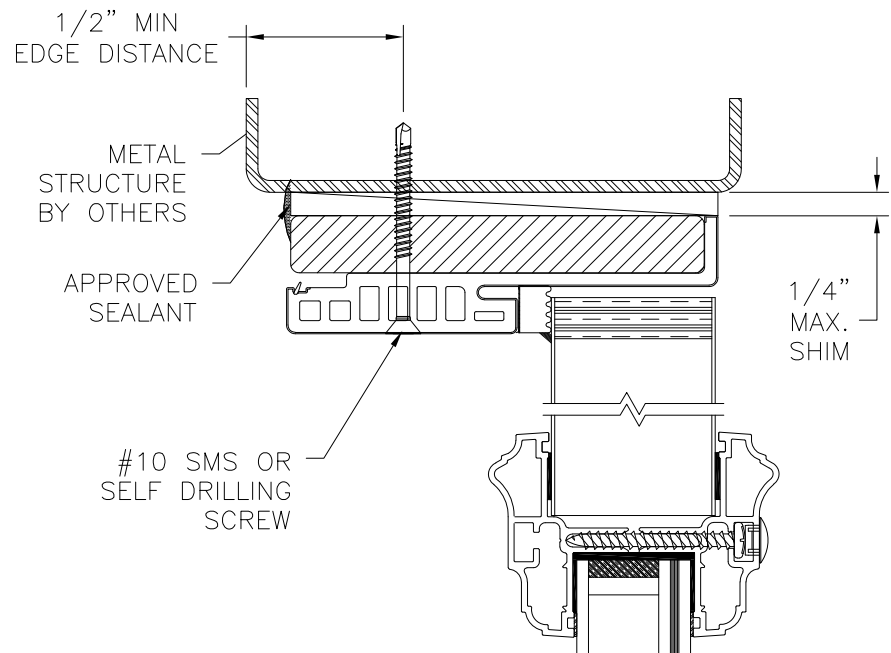


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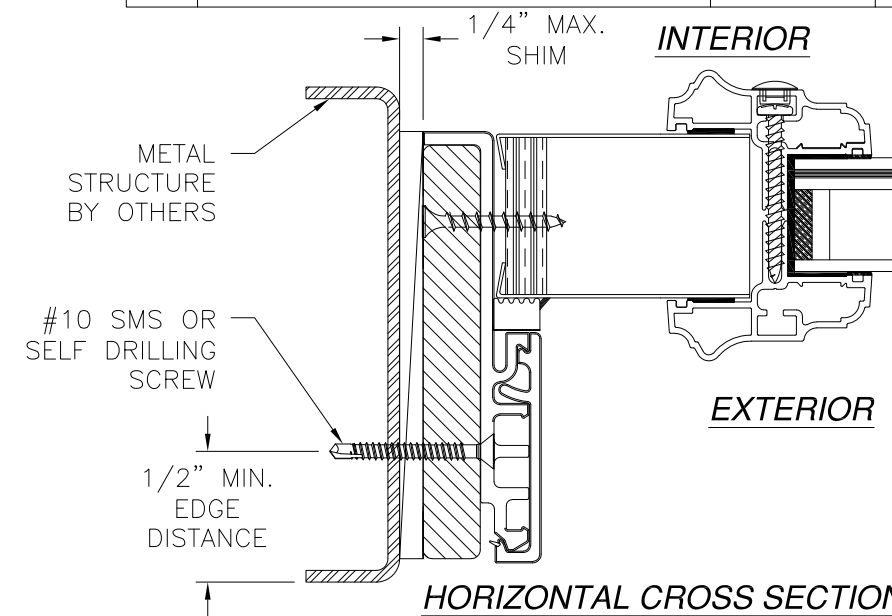
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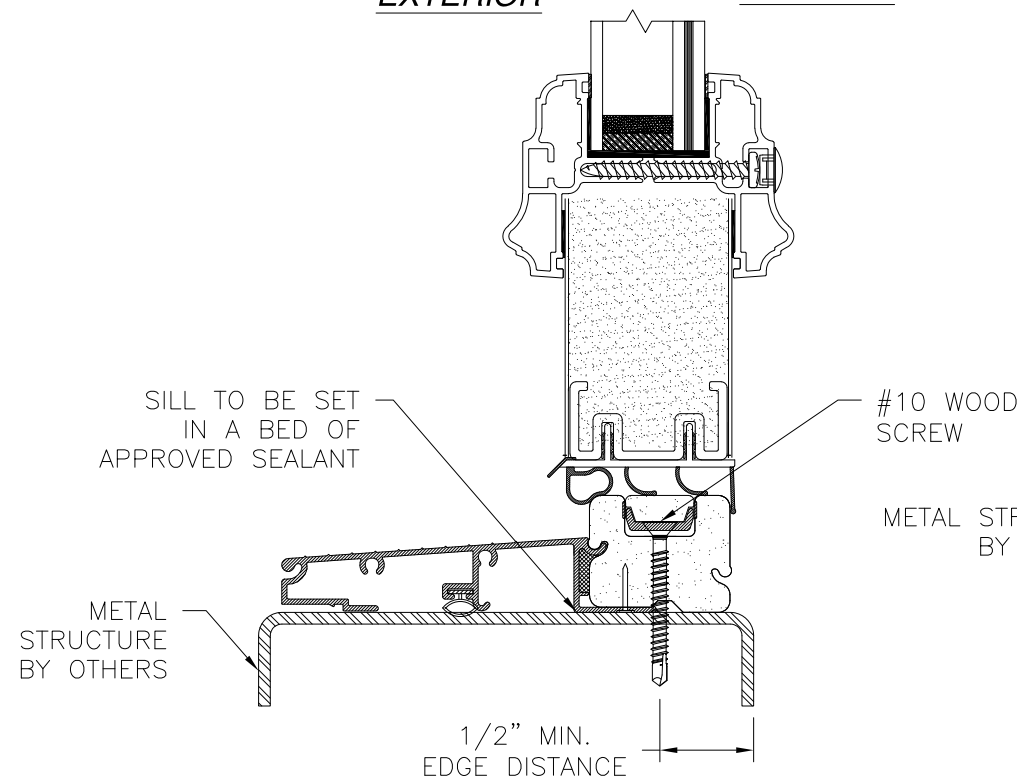
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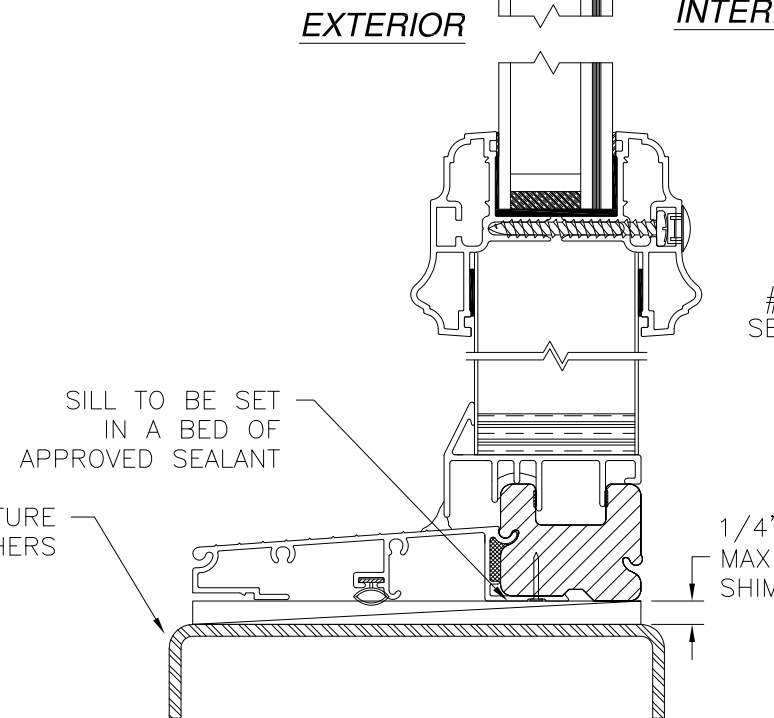
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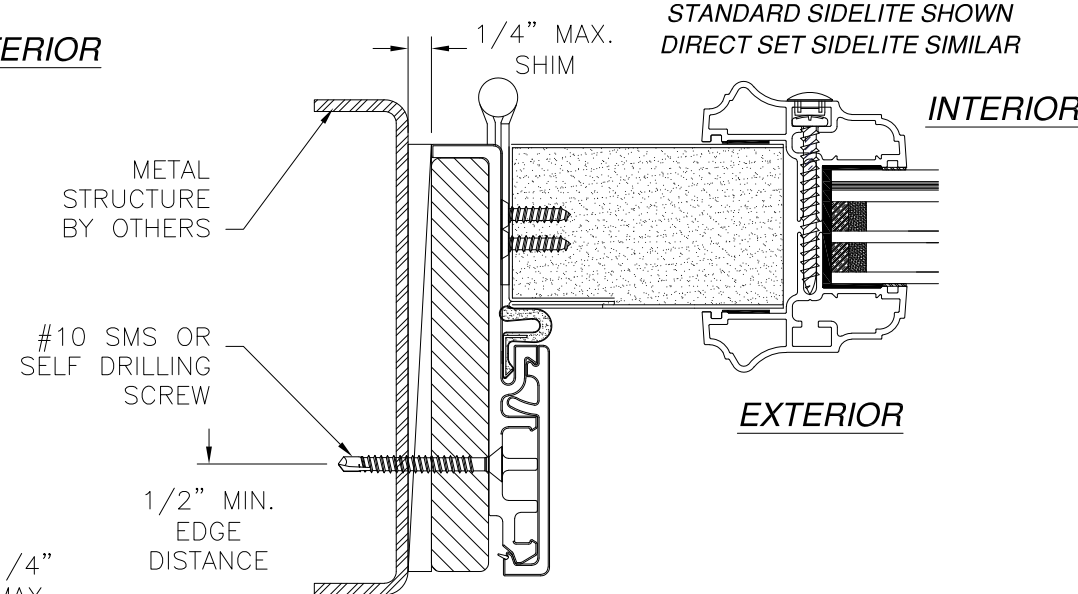
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VERTICAL CROSS SECTION
DOOR INSTALLATION - METAL STRUCTURE



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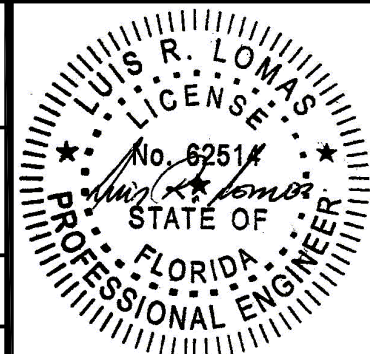
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SHEET 9 OF 16

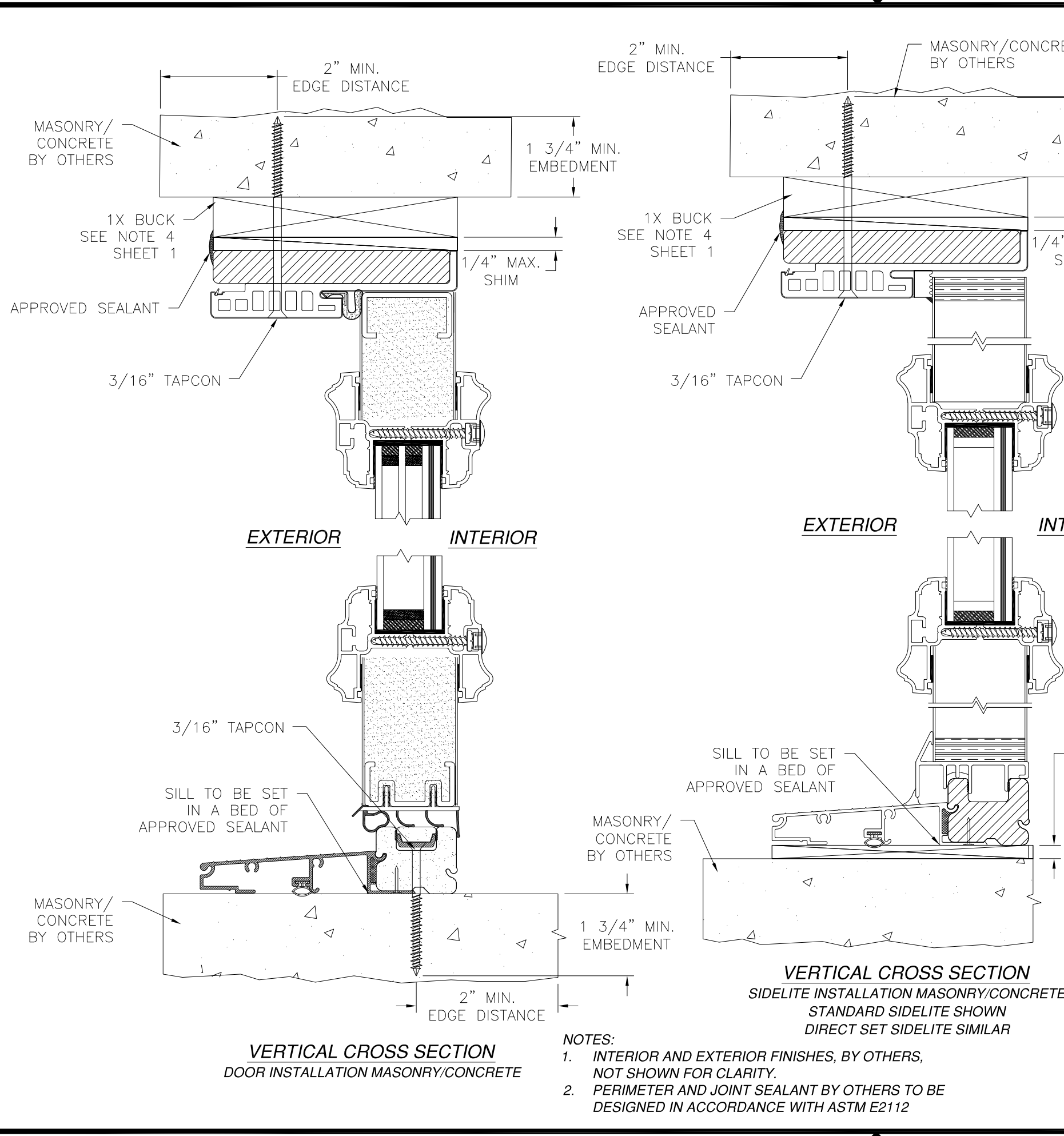
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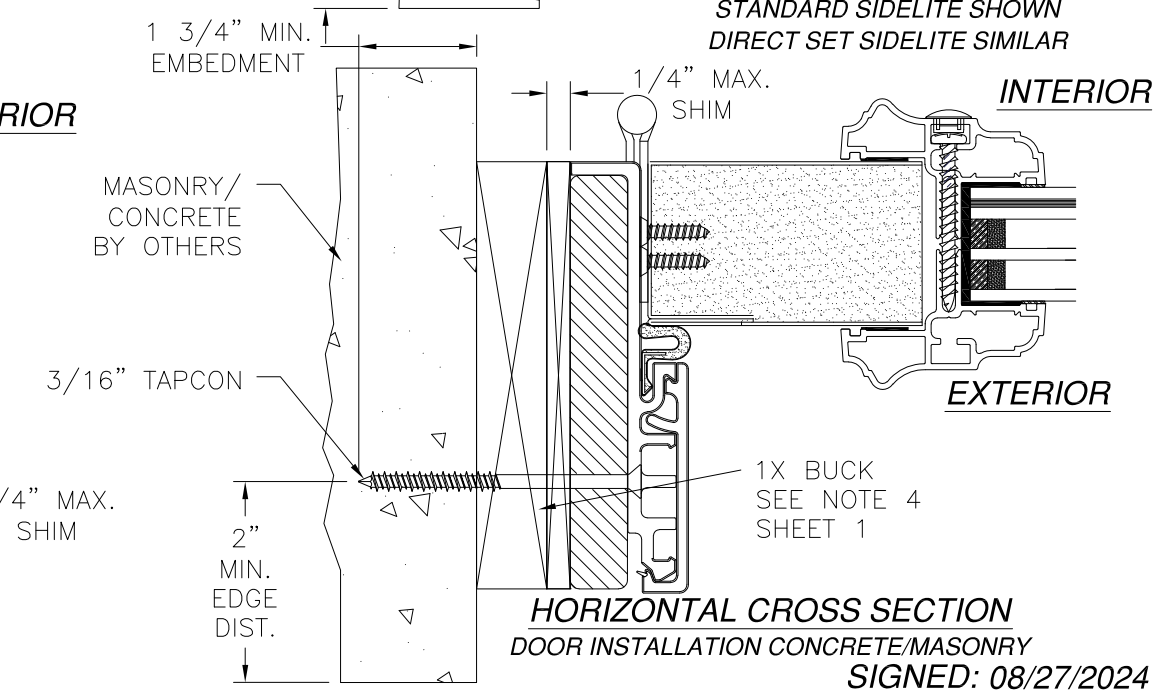
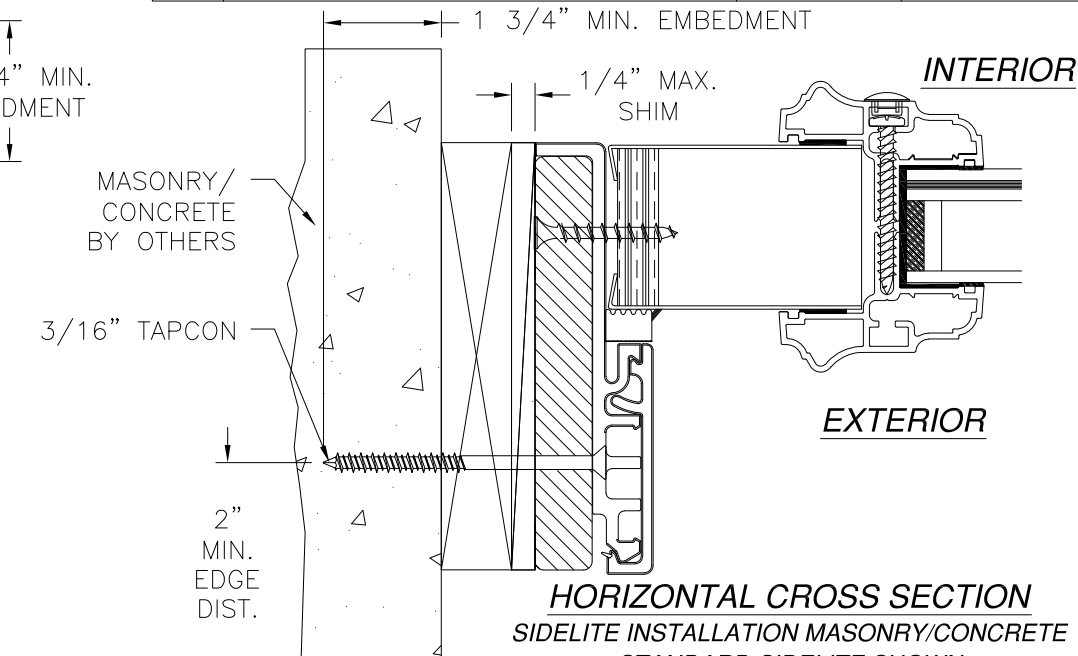
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DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 10 OF 16

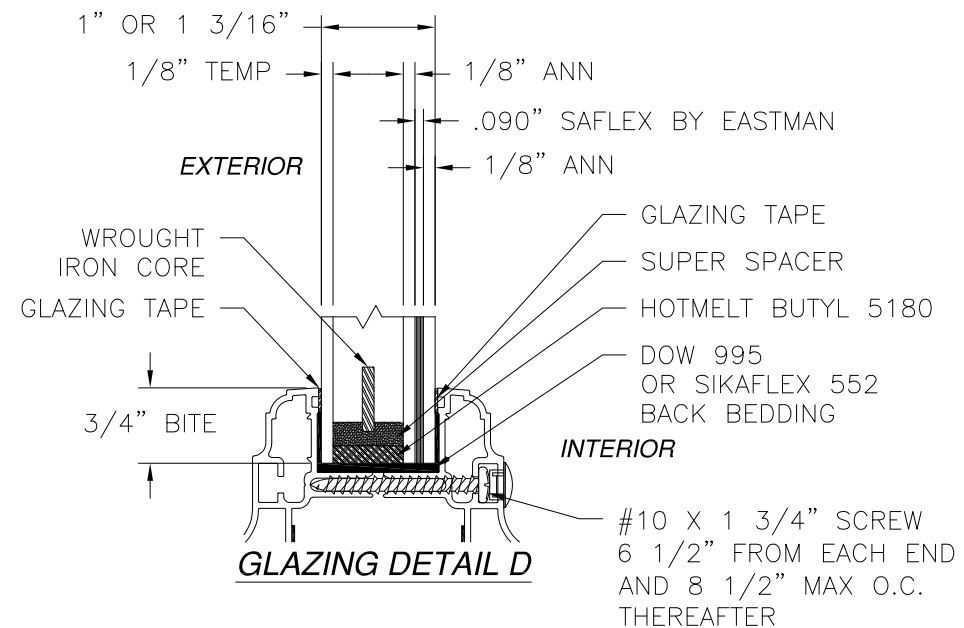
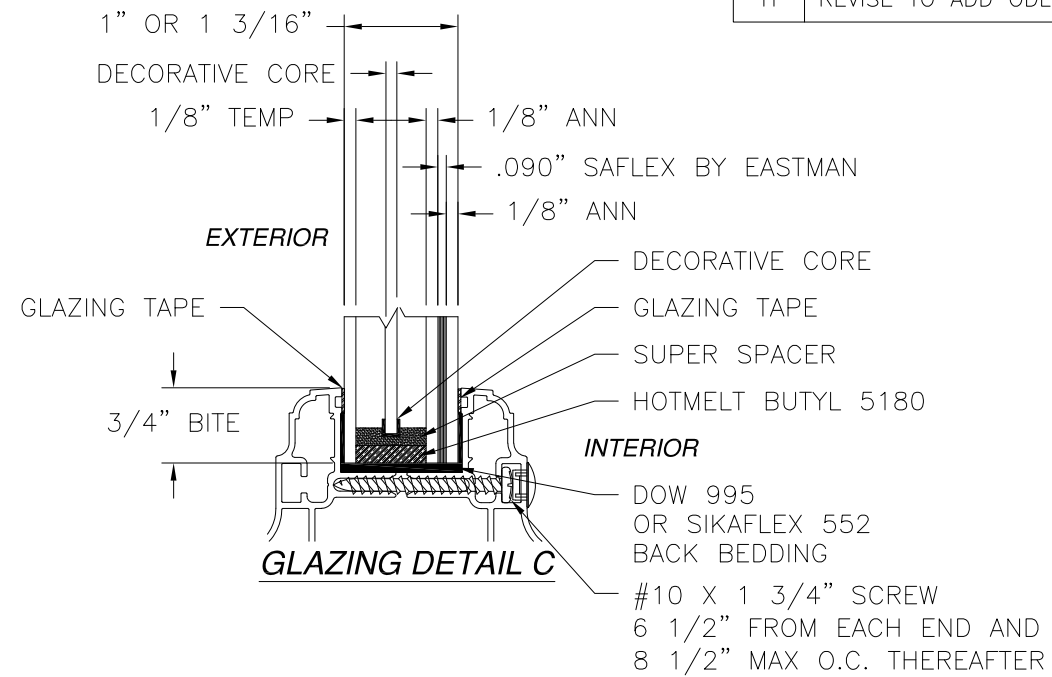
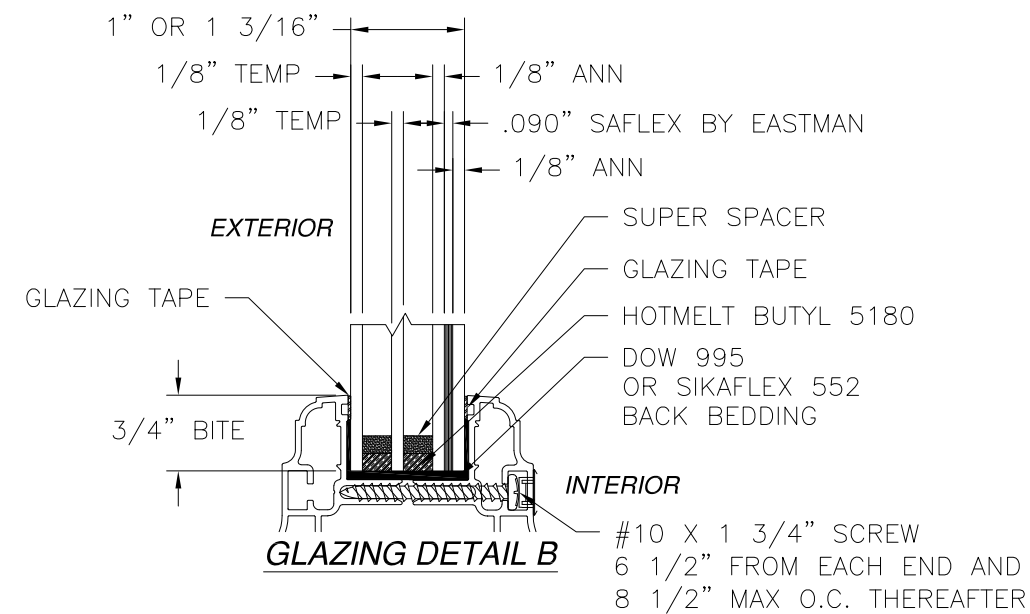
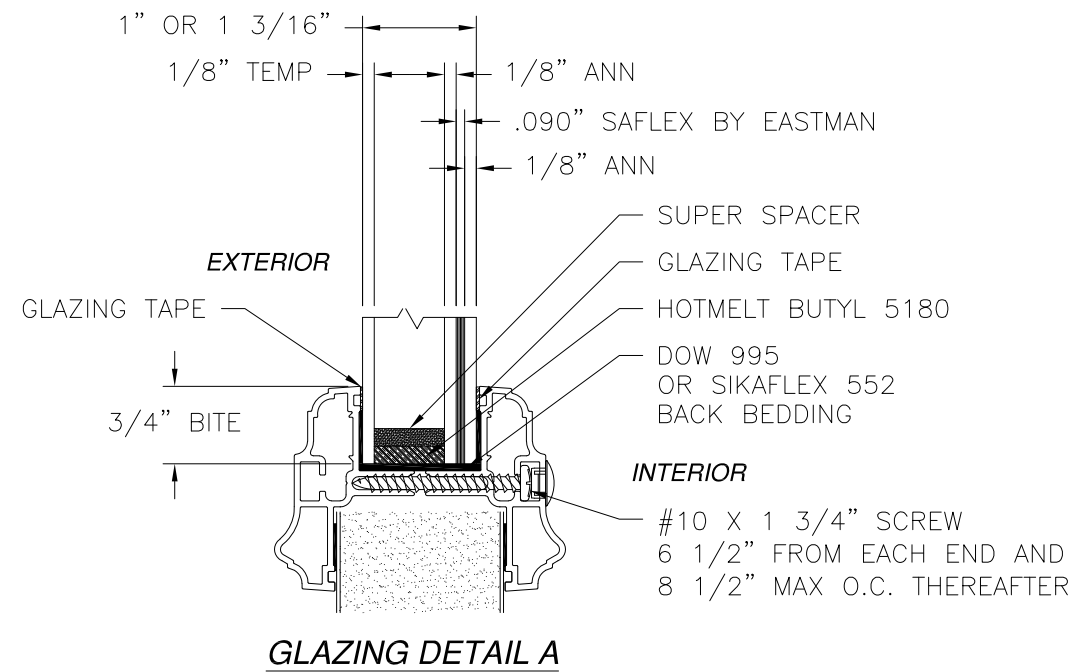
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

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

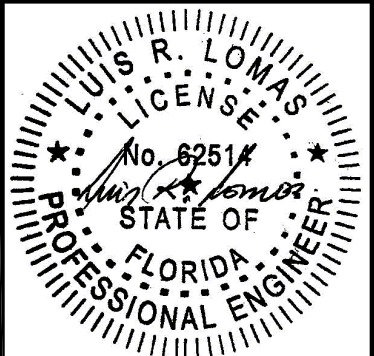
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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



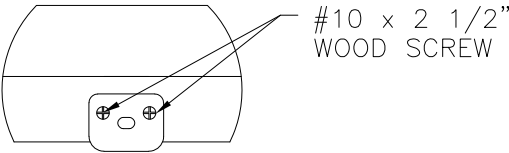
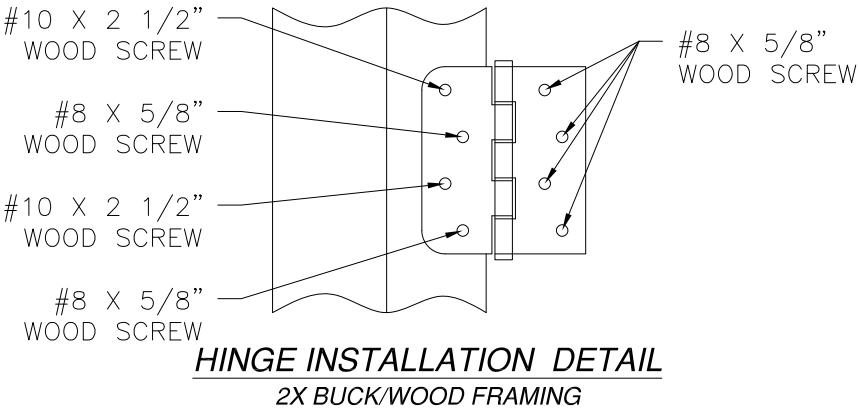
SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT GLAZING DETAILS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 11 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

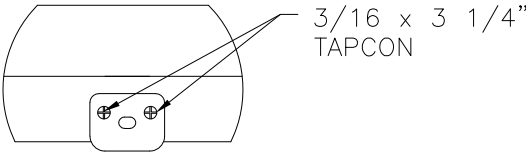
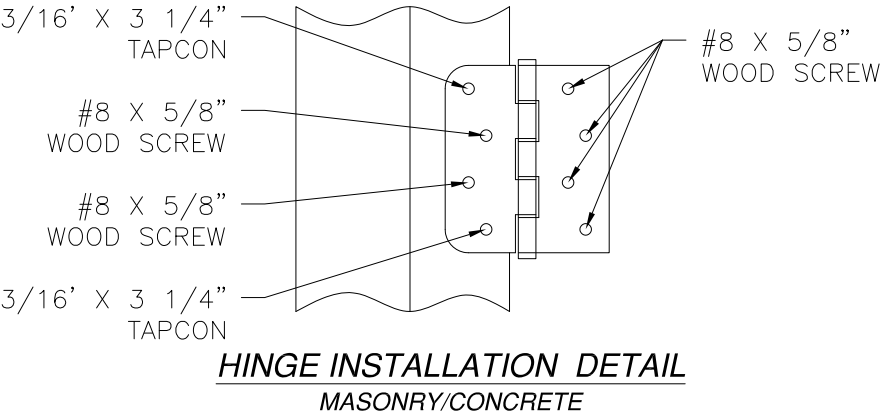


Luis R. Lomas P.E.
FL No.: 62514

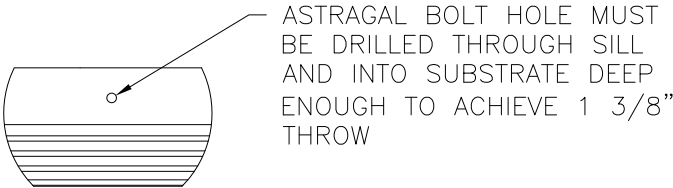
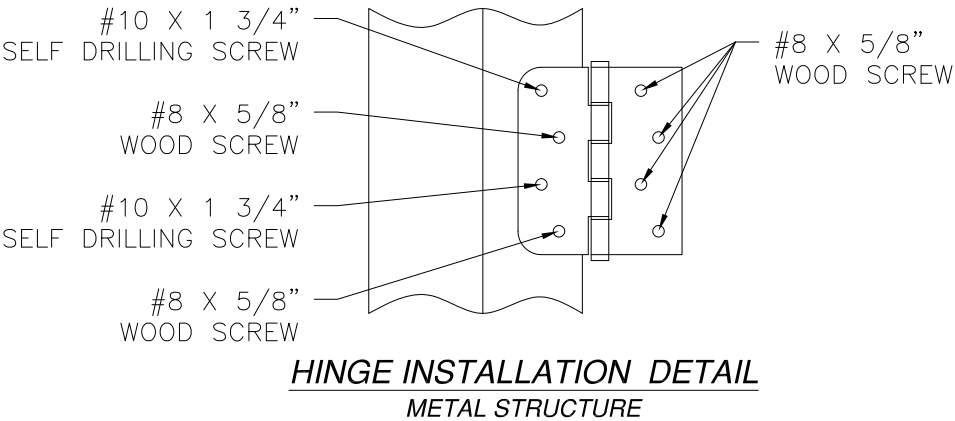
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



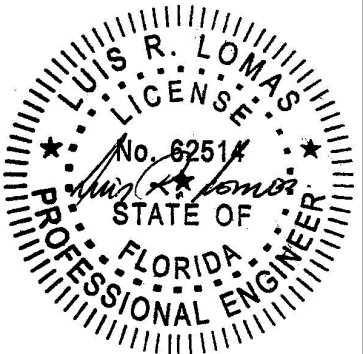
ASTRAGAL HEAD STRIKE DETAIL
MASONRY/CONCRETE



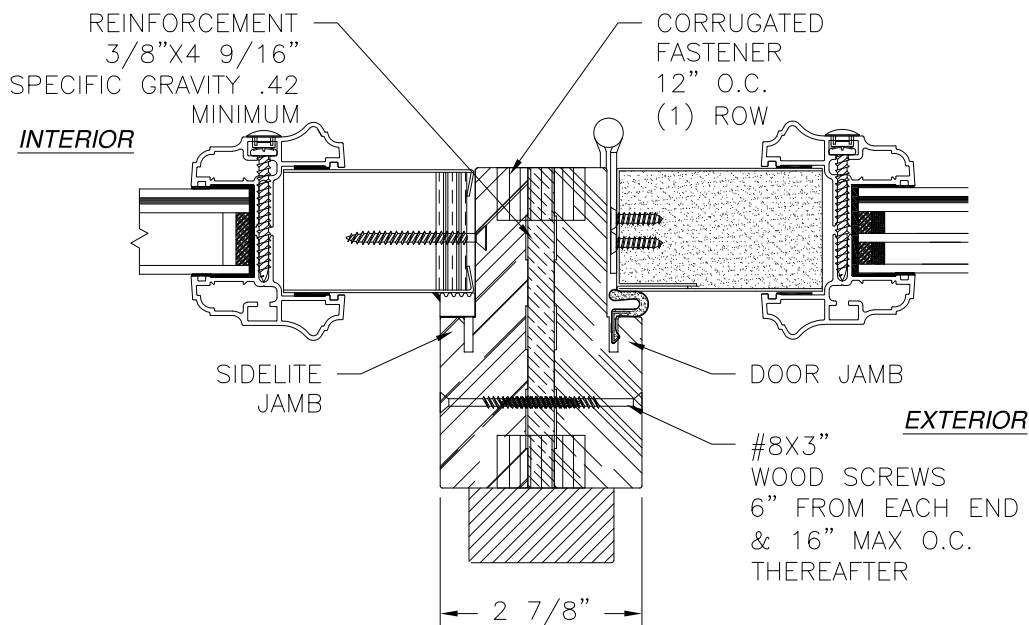
ASTRAGAL SILL DETAIL

SIGNED: 08/27/2024

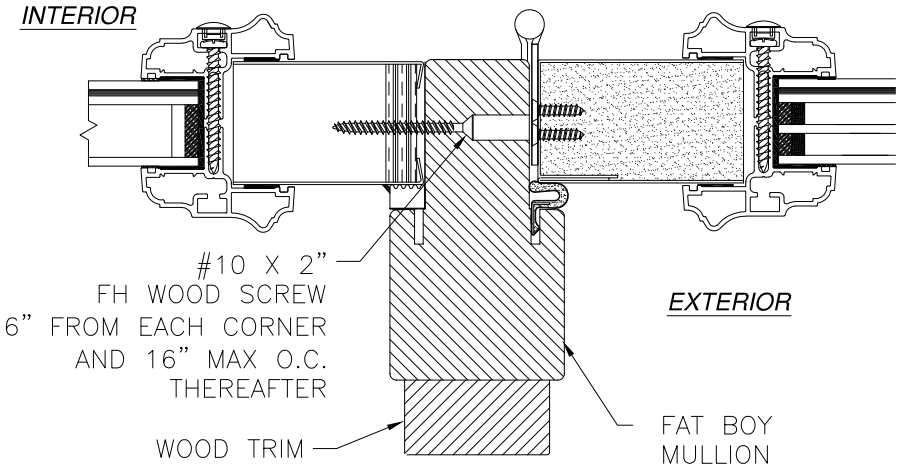
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT COMPONENTS DETAILS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 12 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



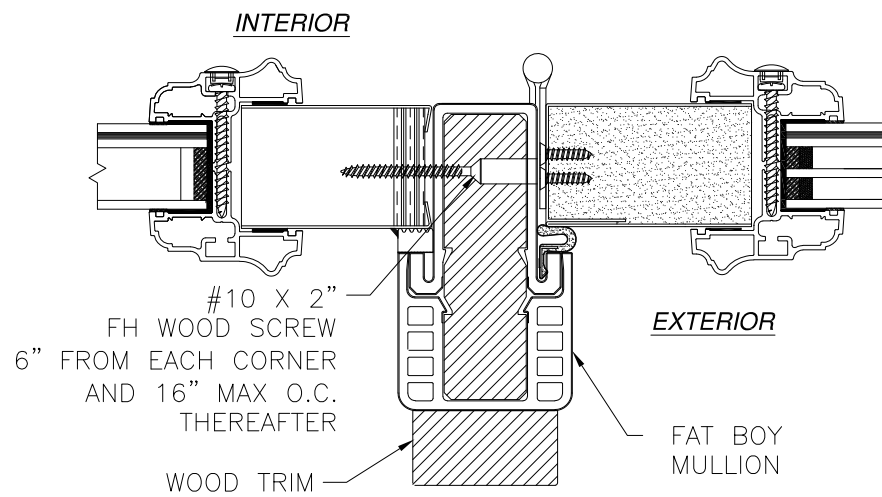
Luis R. Lomas P.E.
FL No.: 62514



MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



MULLION DETAIL
WITH FAT BOY MULLION



INSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION

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

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

STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITES IMPACT
MULLION DETAILS

DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 13 OF 16

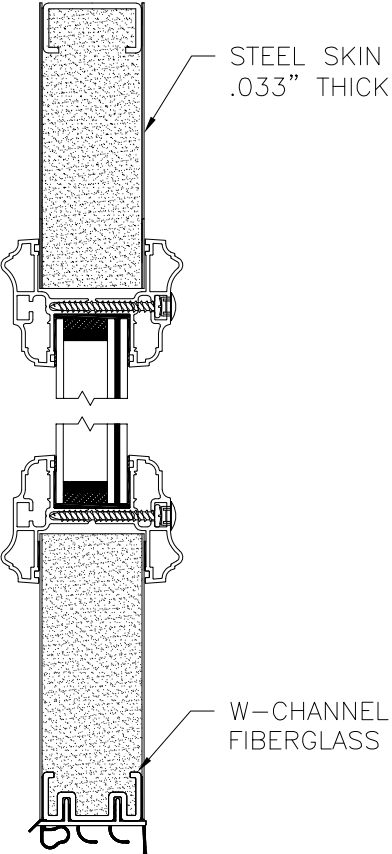
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

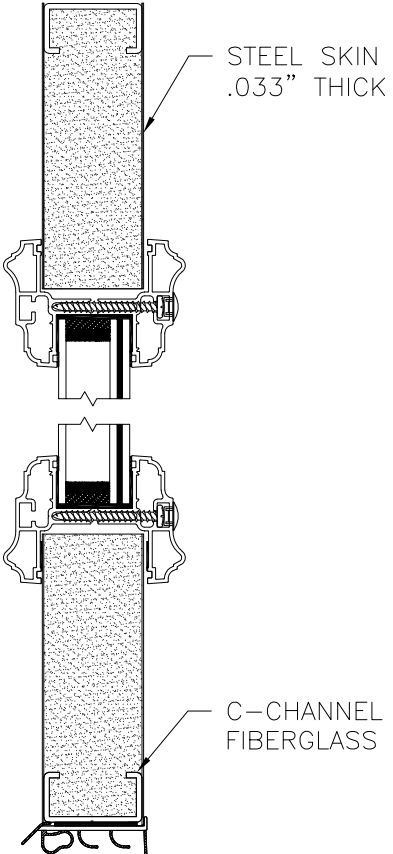
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

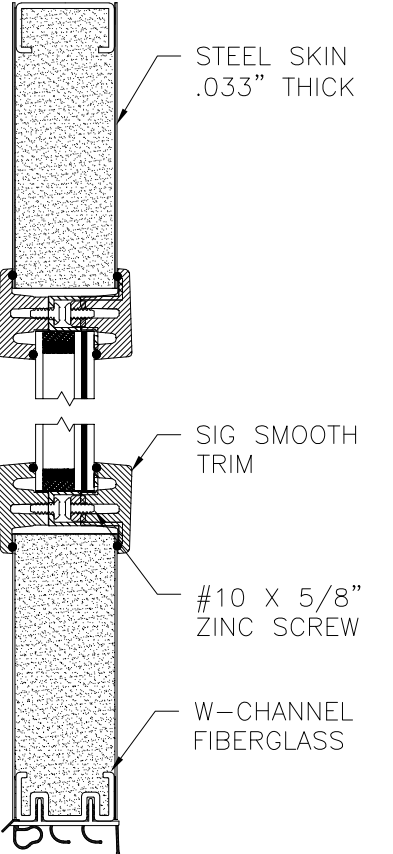
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



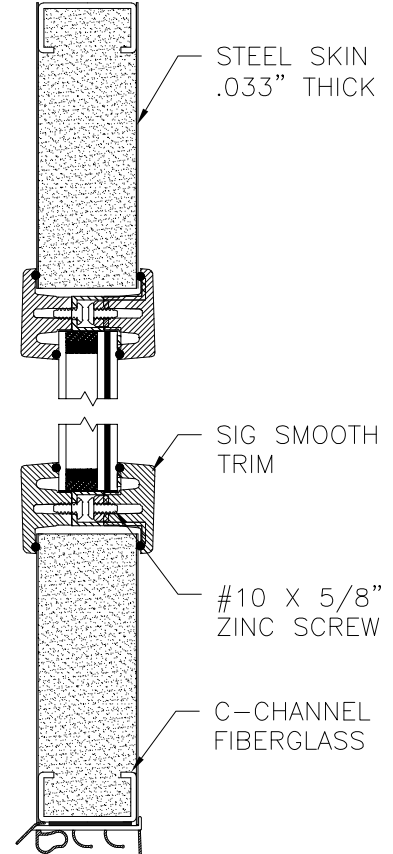
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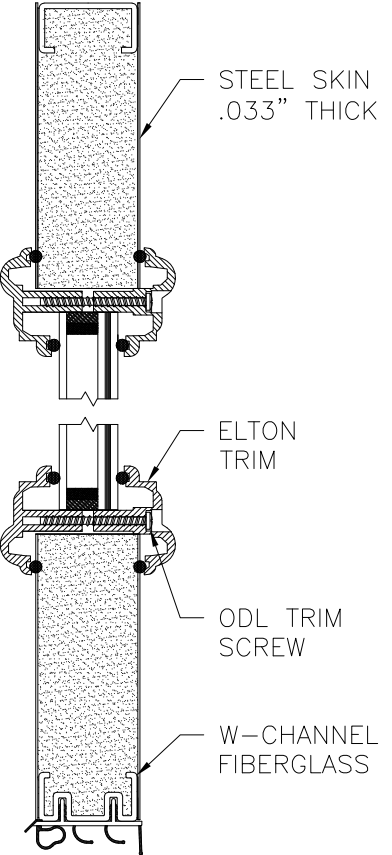
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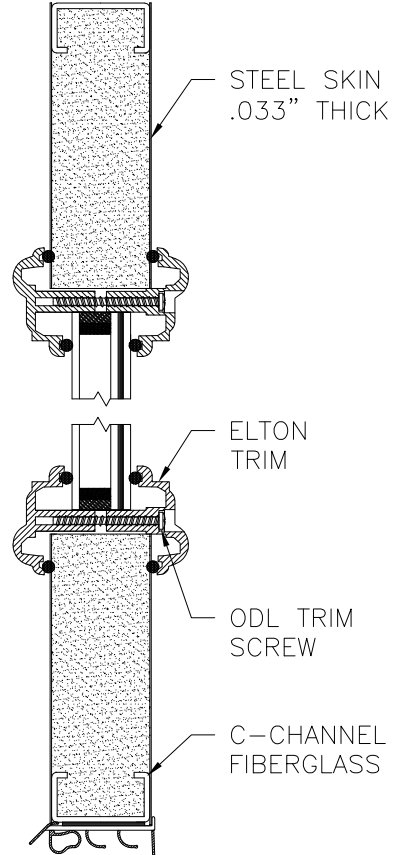
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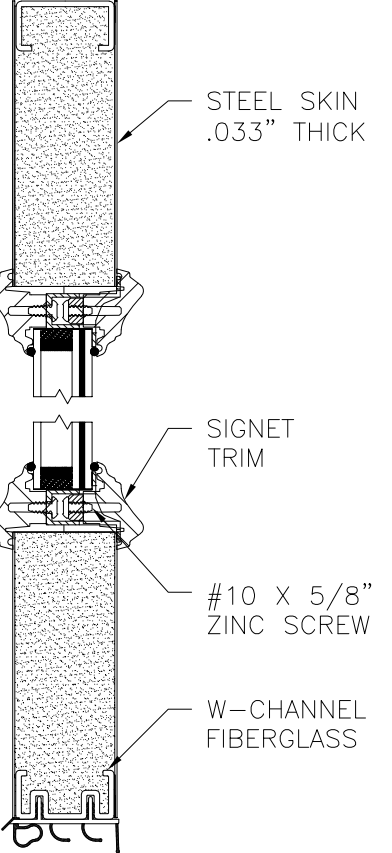
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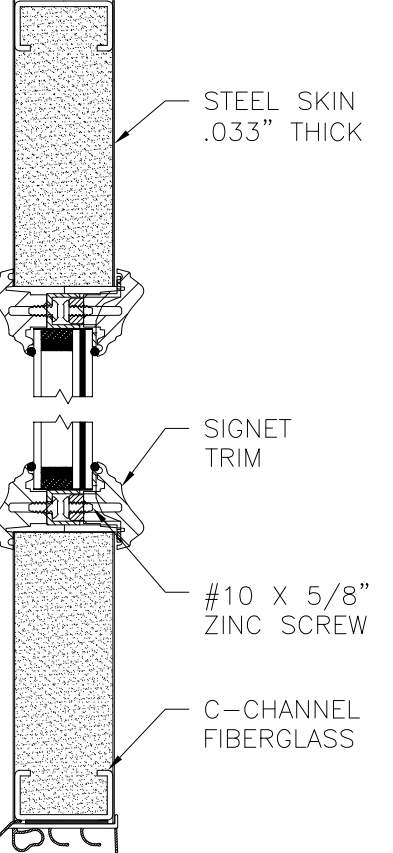
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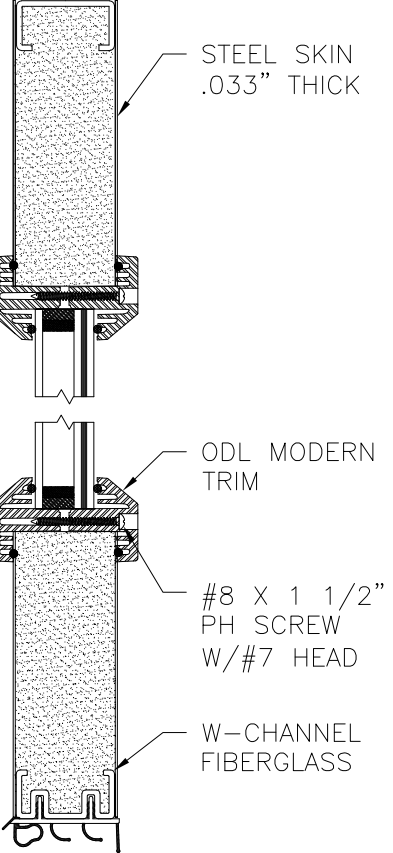
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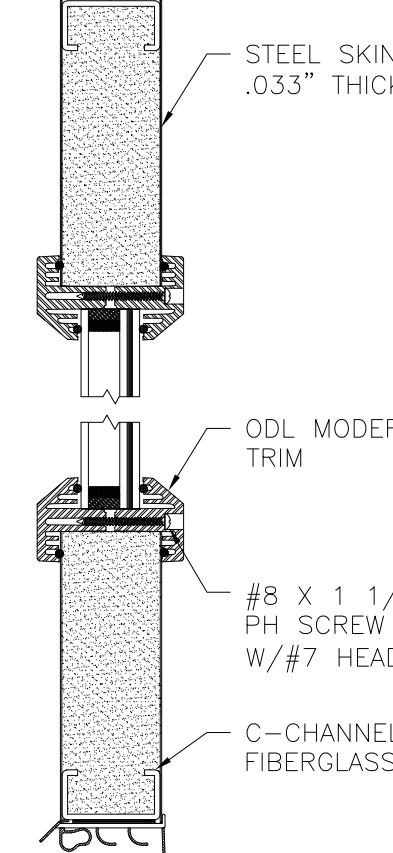
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

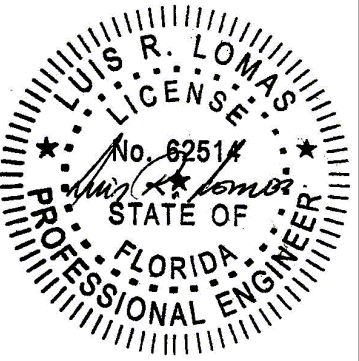
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITES IMPACT
APPROVED SLABS

DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 14 OF 16

L. ROBERTO LOMAS P.E.
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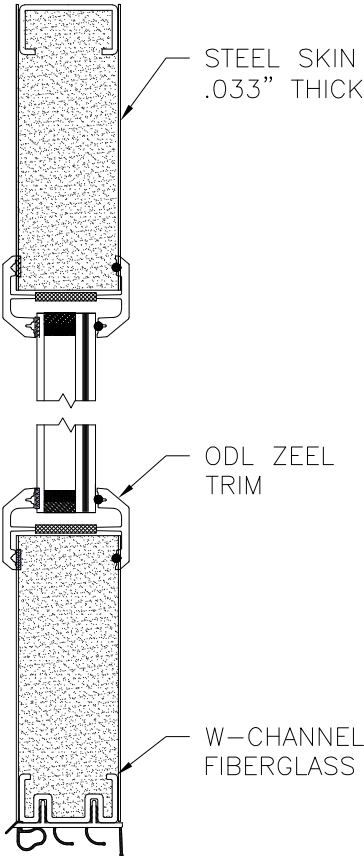
SIGNED: 08/27/2024



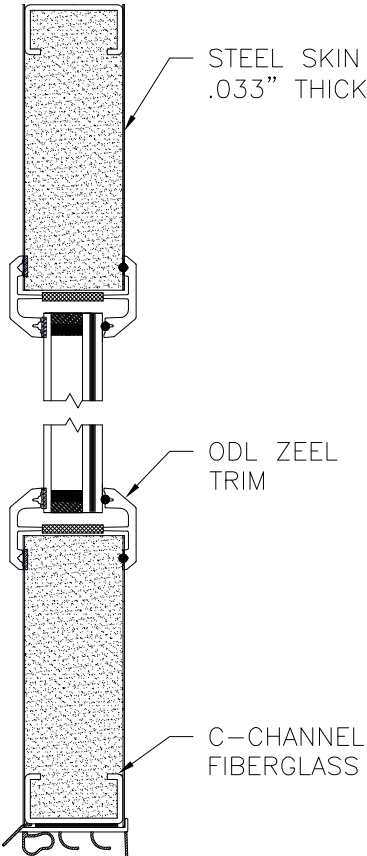
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

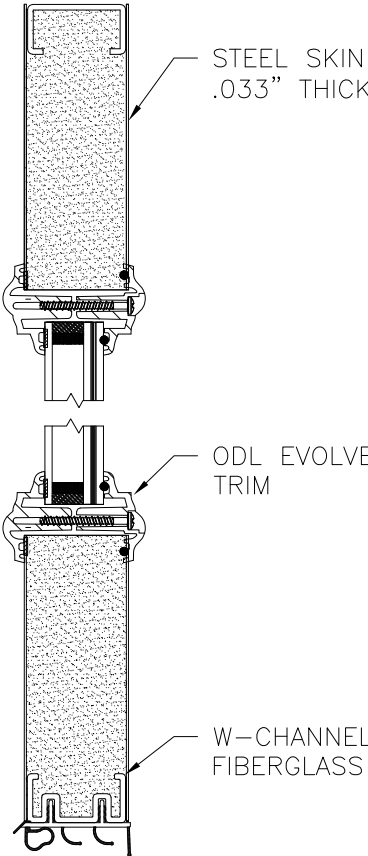
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



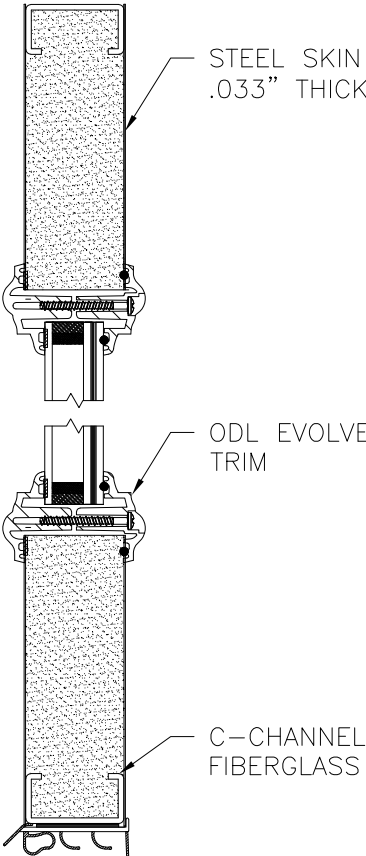
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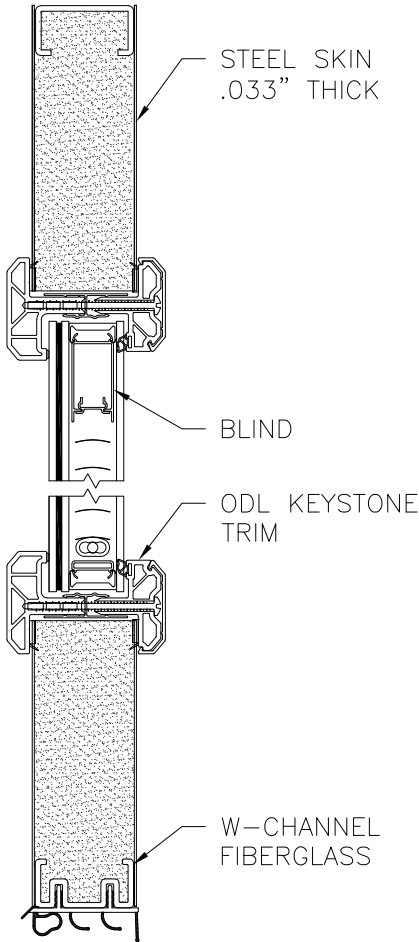
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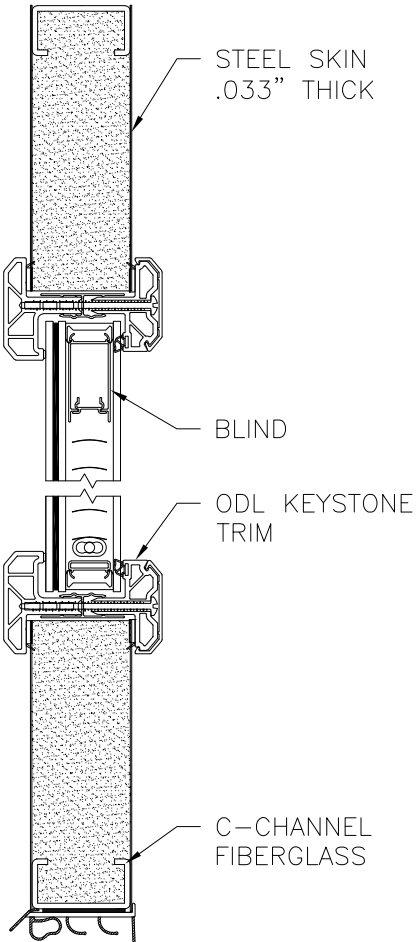
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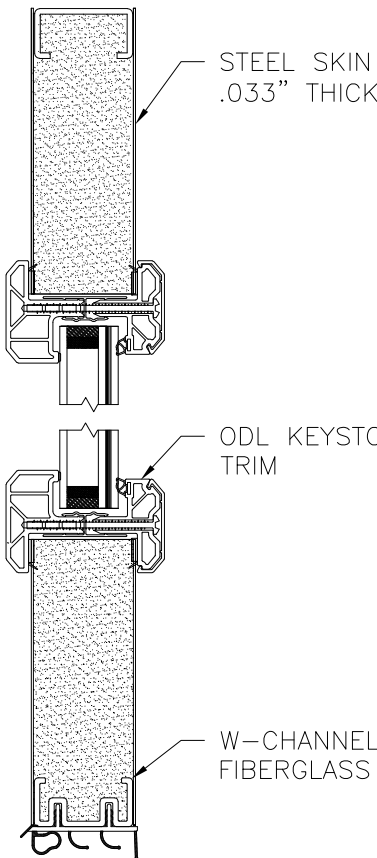
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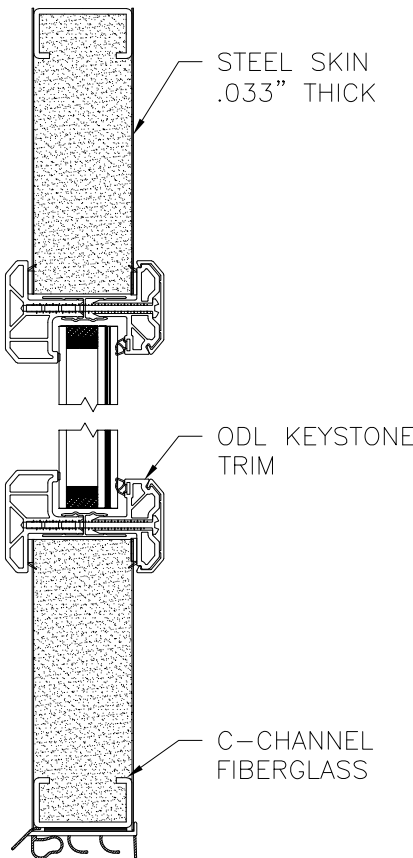
PANEL OPTION 15



PANEL OPTION 16



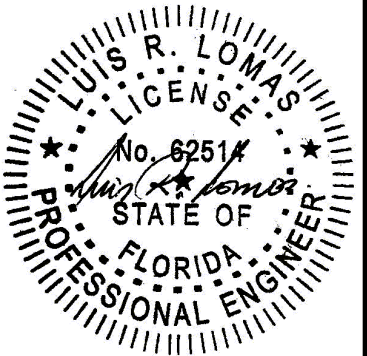
PANEL OPTION 17



PANEL OPTION 18

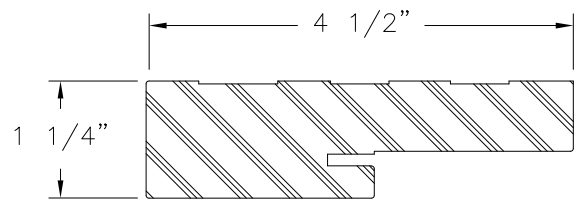
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT APPROVED SLABS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 15 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/27/2024

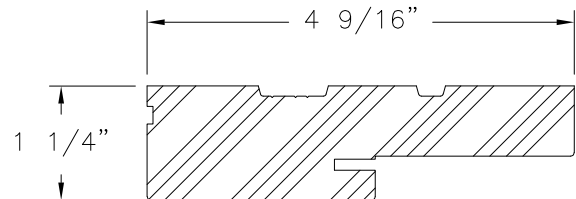


Luis R. Lomas P.E.
FL No.: 62514

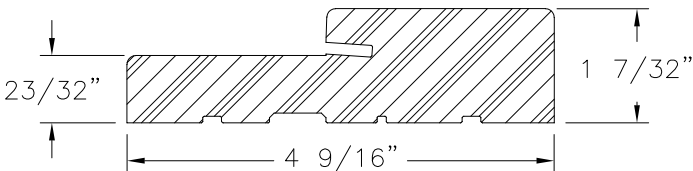
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
H	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



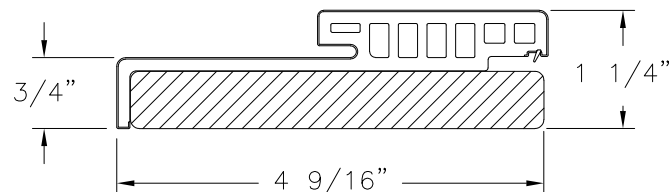
COMPOSITE FRAME PROFILE



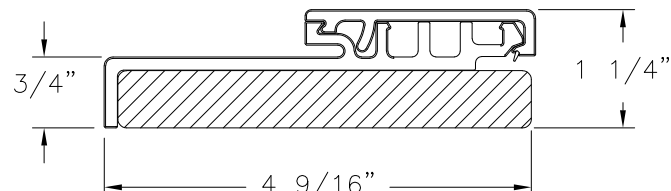
WOOD FRAME PROFILE



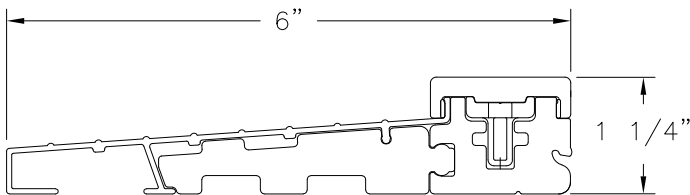
FRAMESAVER
COMPOSITE



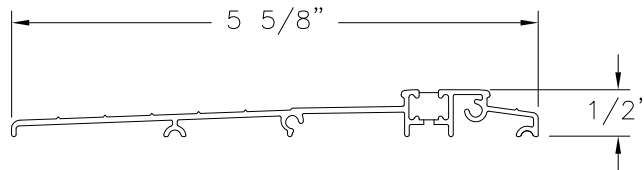
HYBRID HEAD
WOOD/COMPOSITE



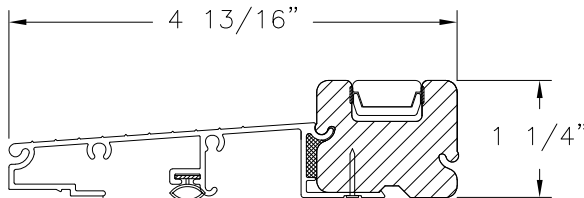
HYBRID JAMB
WOOD/COMPOSITE



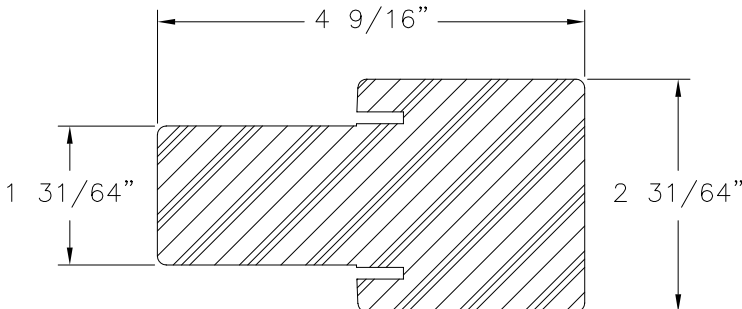
STANDARD INSWING THRESHOLD



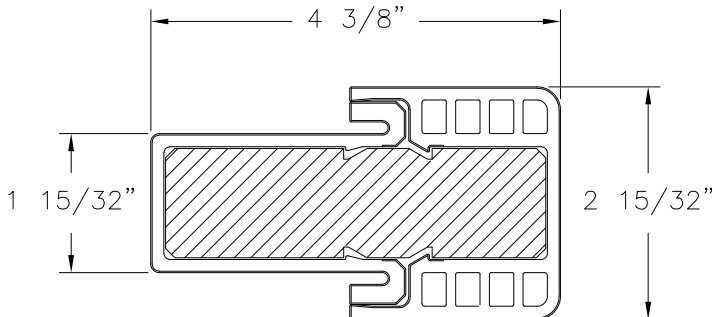
ADA THRESHOLD



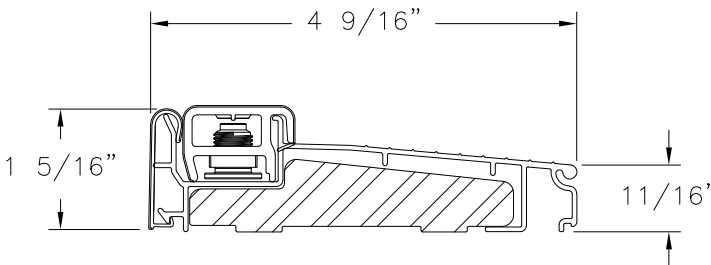
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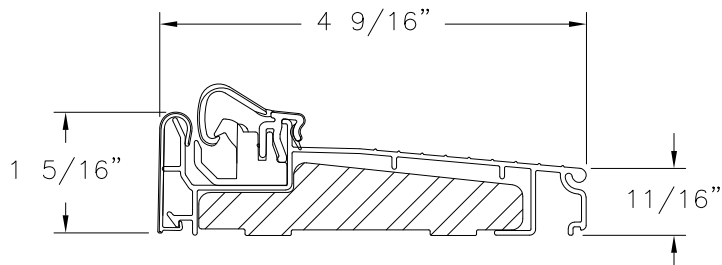
FAT BOY MULLION
COMPOSITE



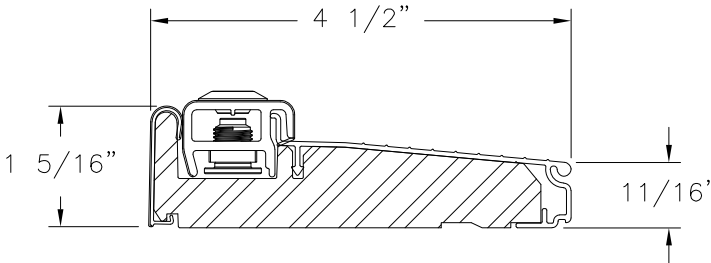
HYBRID FAT BOY MULLION
COMPOSITE



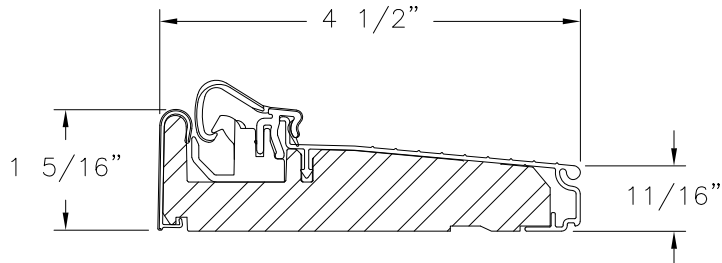
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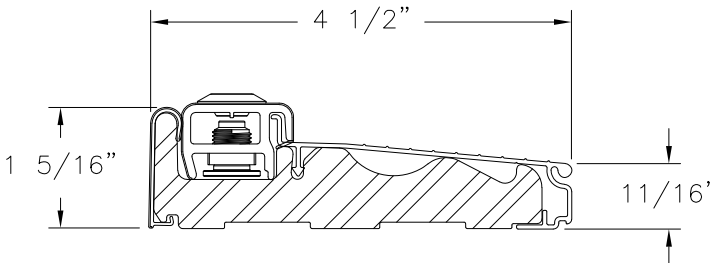
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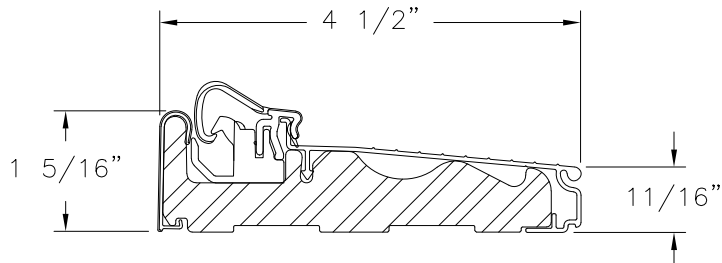
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INSWING SILL ZAC4565F



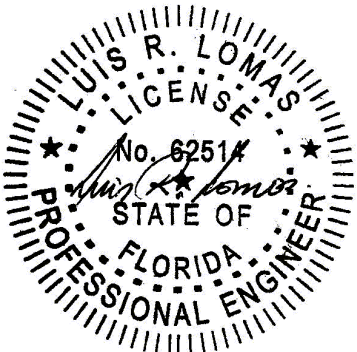
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INSWING SILL ZACLH4565

SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITES IMPACT COMPONENTS		
DRAWN: V.L.	DWG NO. 08-01966	REV I
SCALE NTS	DATE 04/22/13	SHEET 16 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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