

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	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 12 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/SIDELITE & TRANSOM – IMPACT
NOTES

DRAWN:
J.L.

DWG NO.
08-01968

REV
J

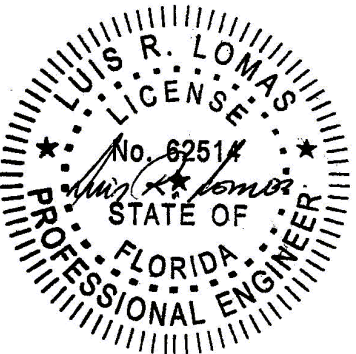
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DATE 04/23/13

SHEET 1 OF 17

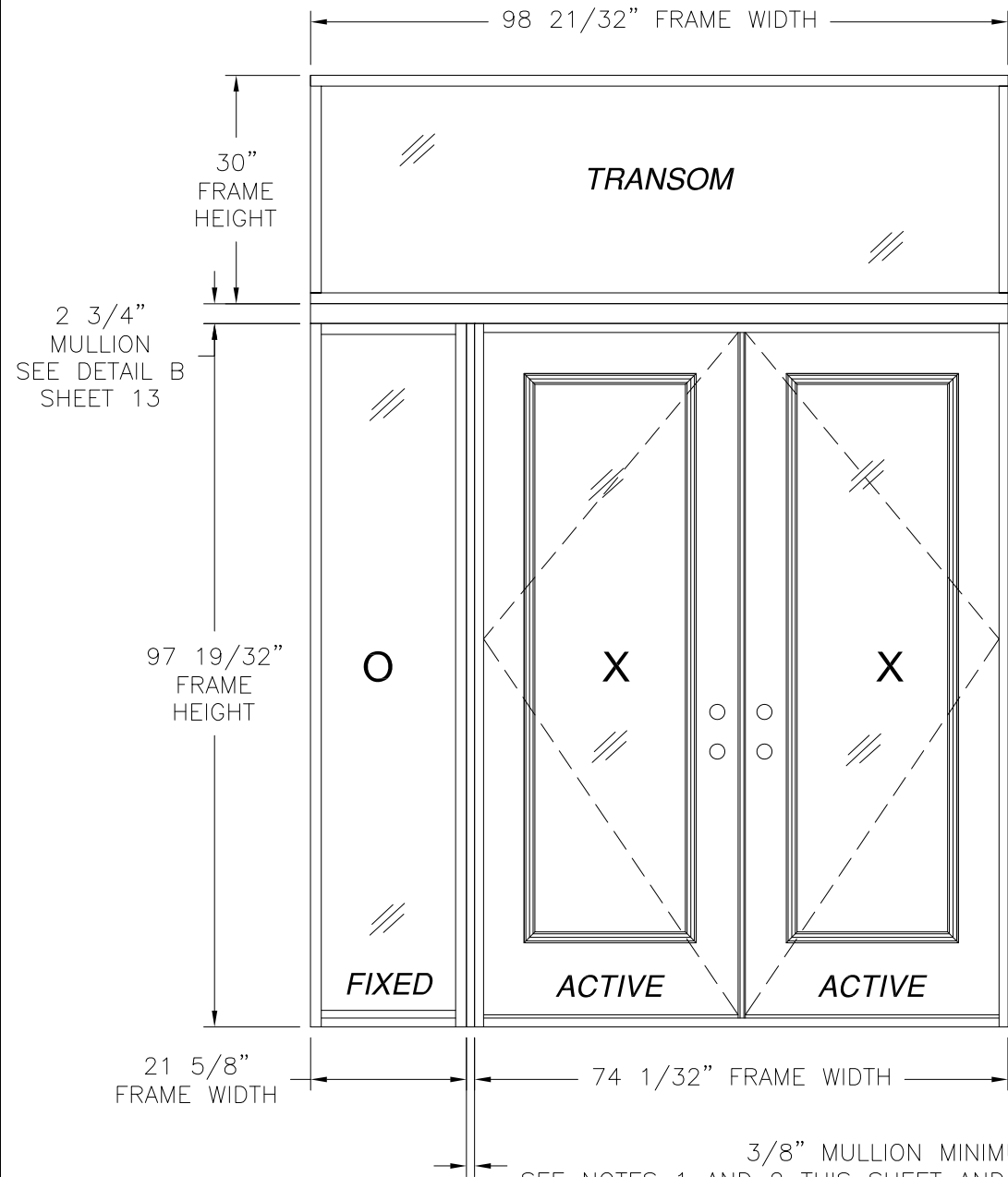
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

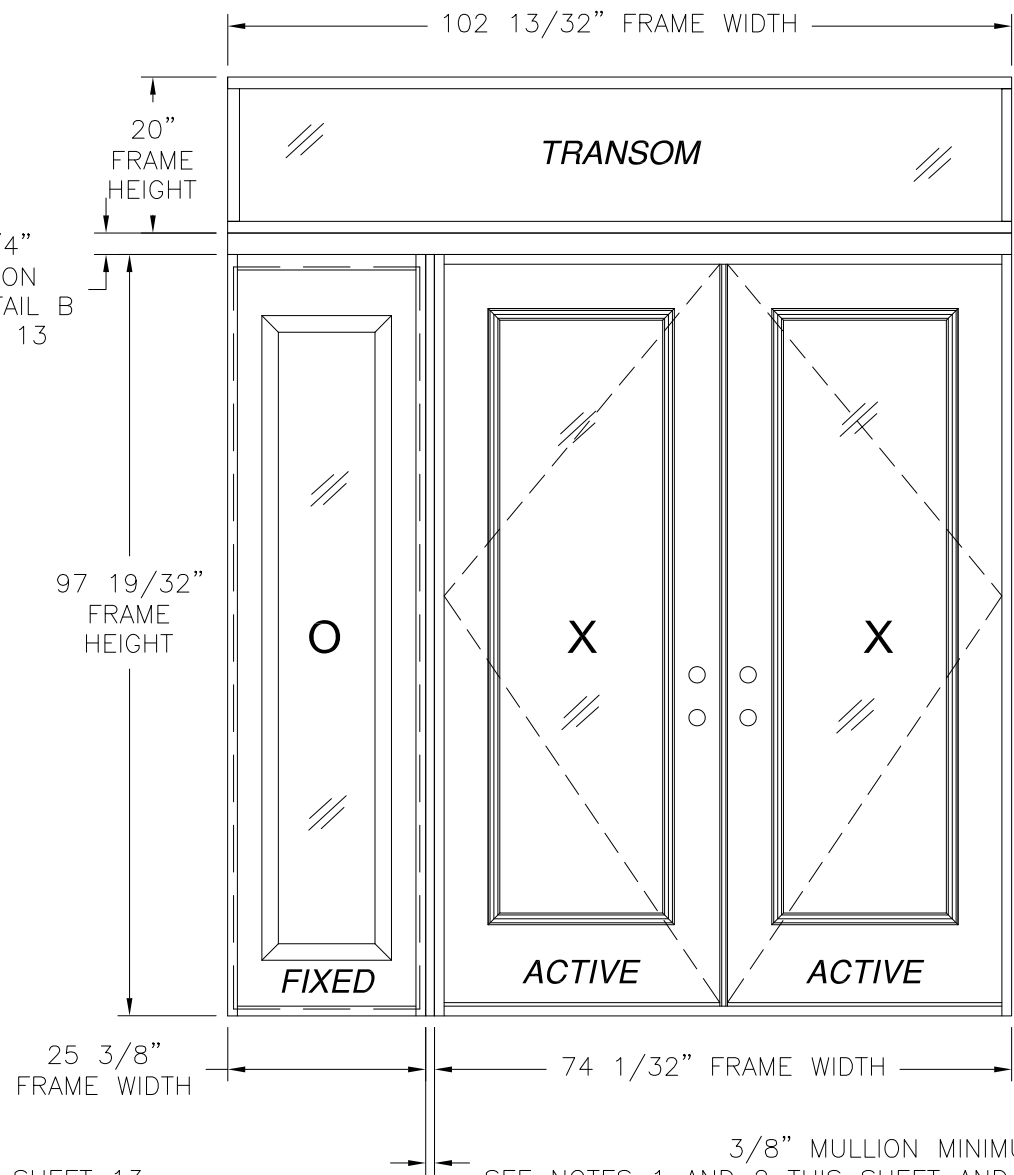


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FL No.: 62514

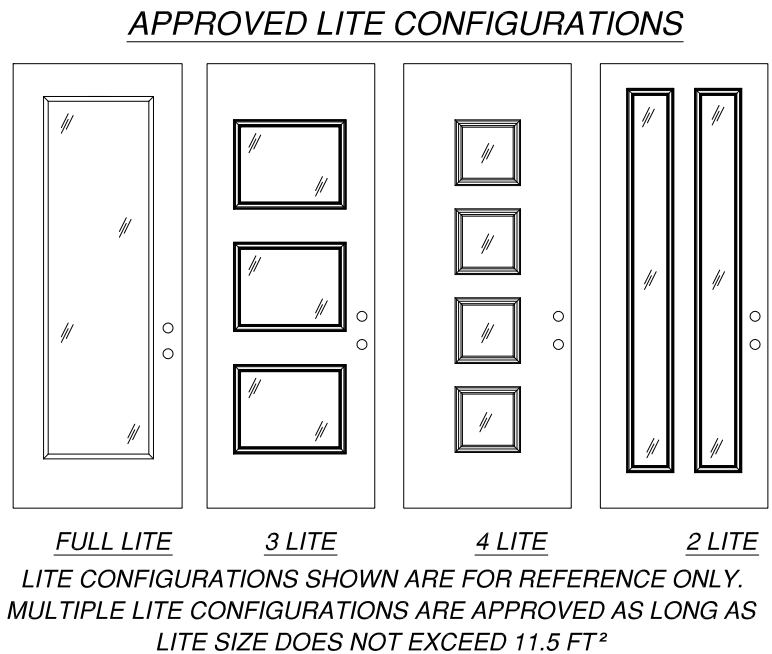
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DOUBLE DOOR W/ DIRECT SET SIDELITE AND TRANSOM
EXTERIOR VIEW
OXX SHOWN XXO ALSO APPROVED



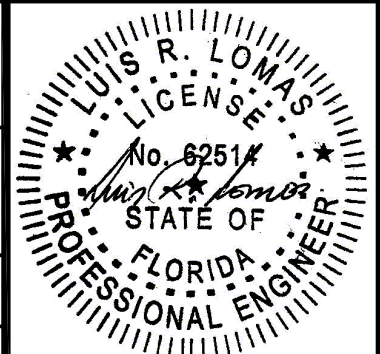
DOUBLE DOOR W/ STD SIDELITE AND TRANSOM
EXTERIOR VIEW
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- NOTES:
1. MAXIMUM ALLOWED BUILD UP TO BE 3" AT VERTICAL MULLION.
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.
 3. DOOR PANEL SIZE: 35 3/4" X 94 15/16"
 4. SIDELITE PANEL 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"

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 3	
WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 3	

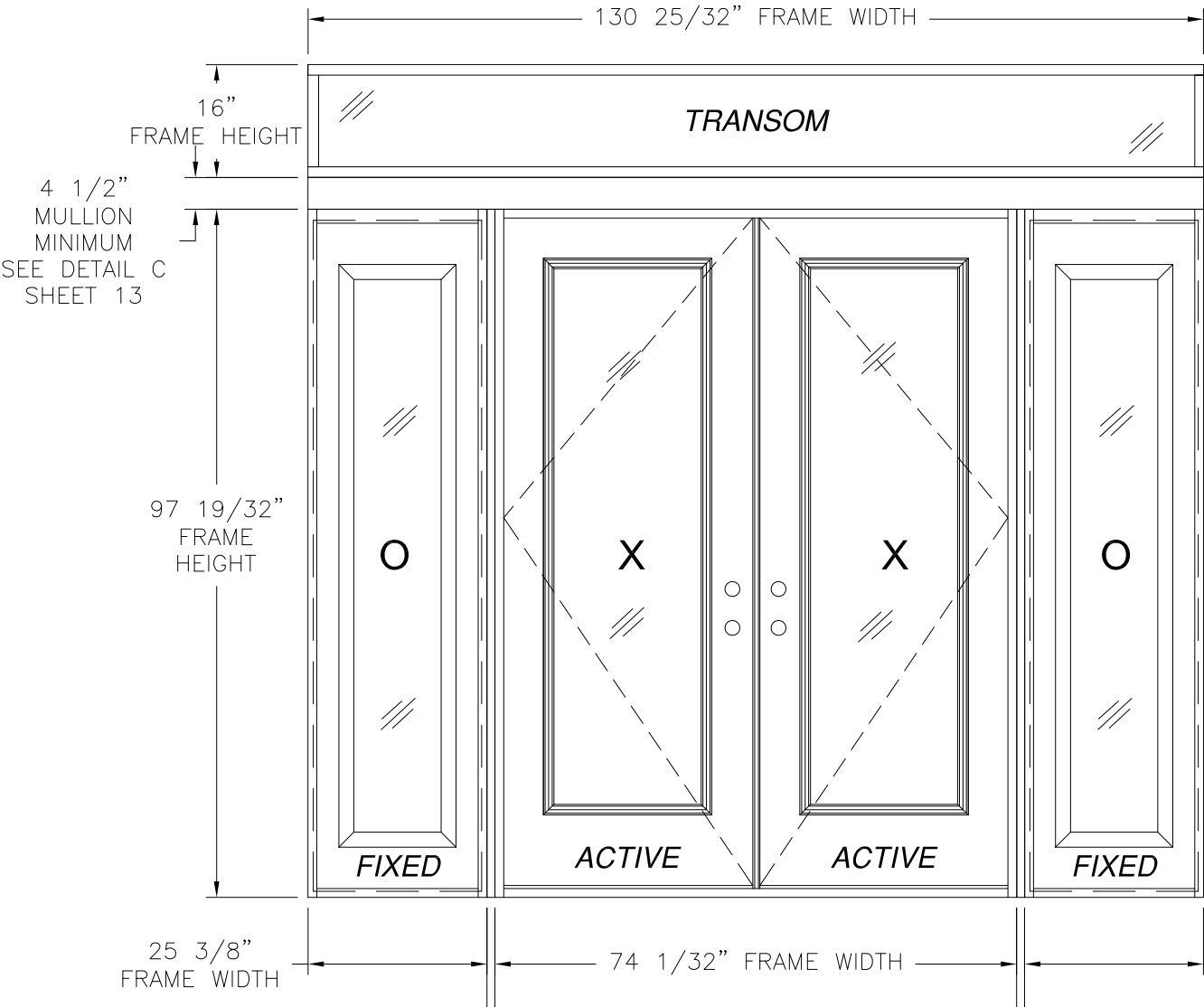
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITE & TRANSOM – IMPACT ELEVATIONS		
DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 2 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



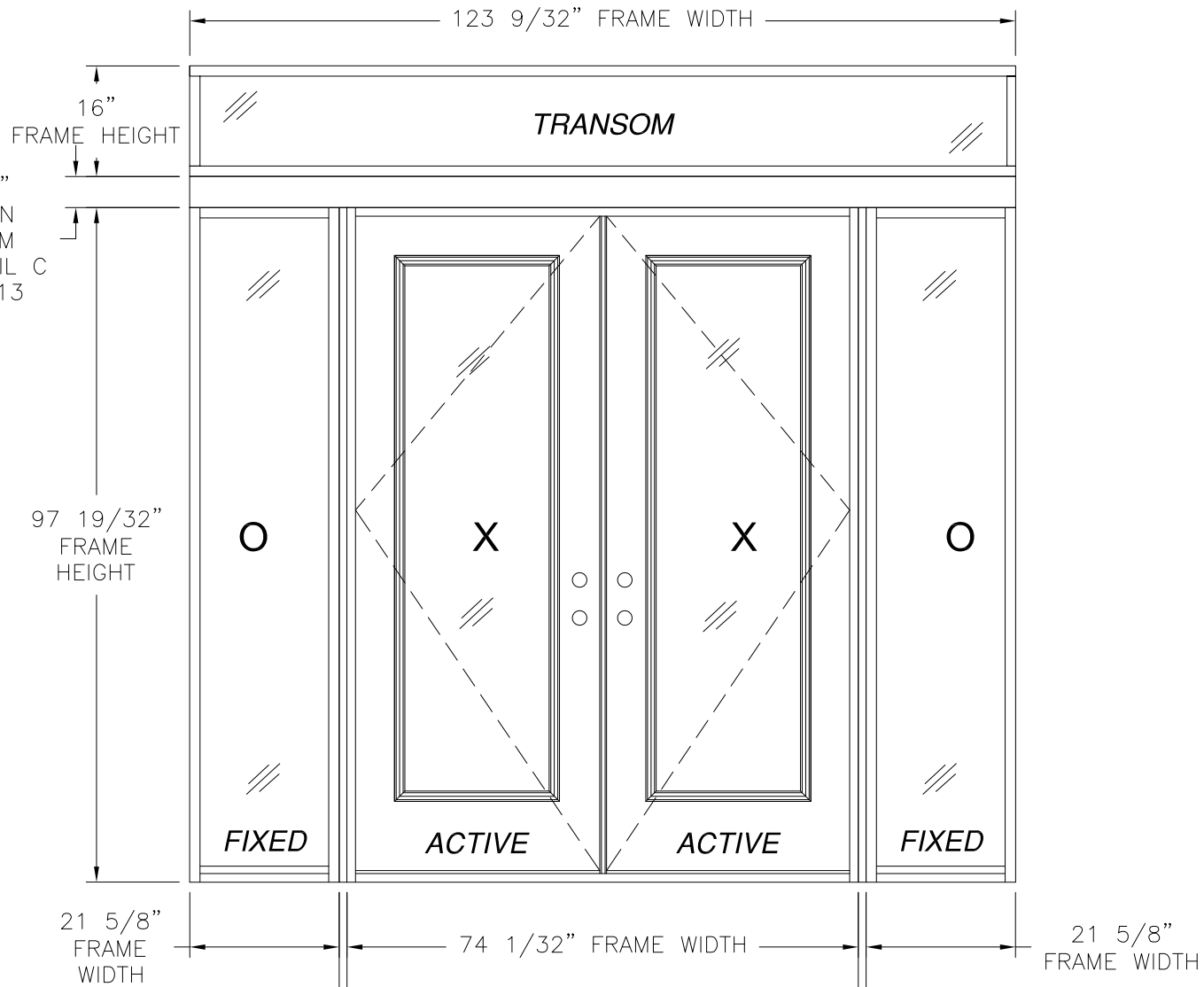
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DOUBLE DOOR W/ STD SIDELITES AND TRANSOM
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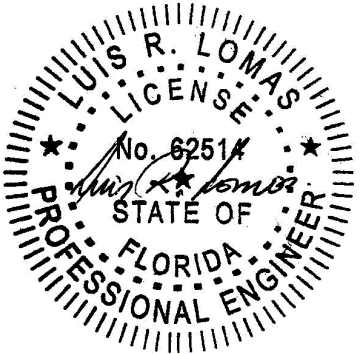
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ELEVATIONS AND APPROVED CONFIGURATIONS

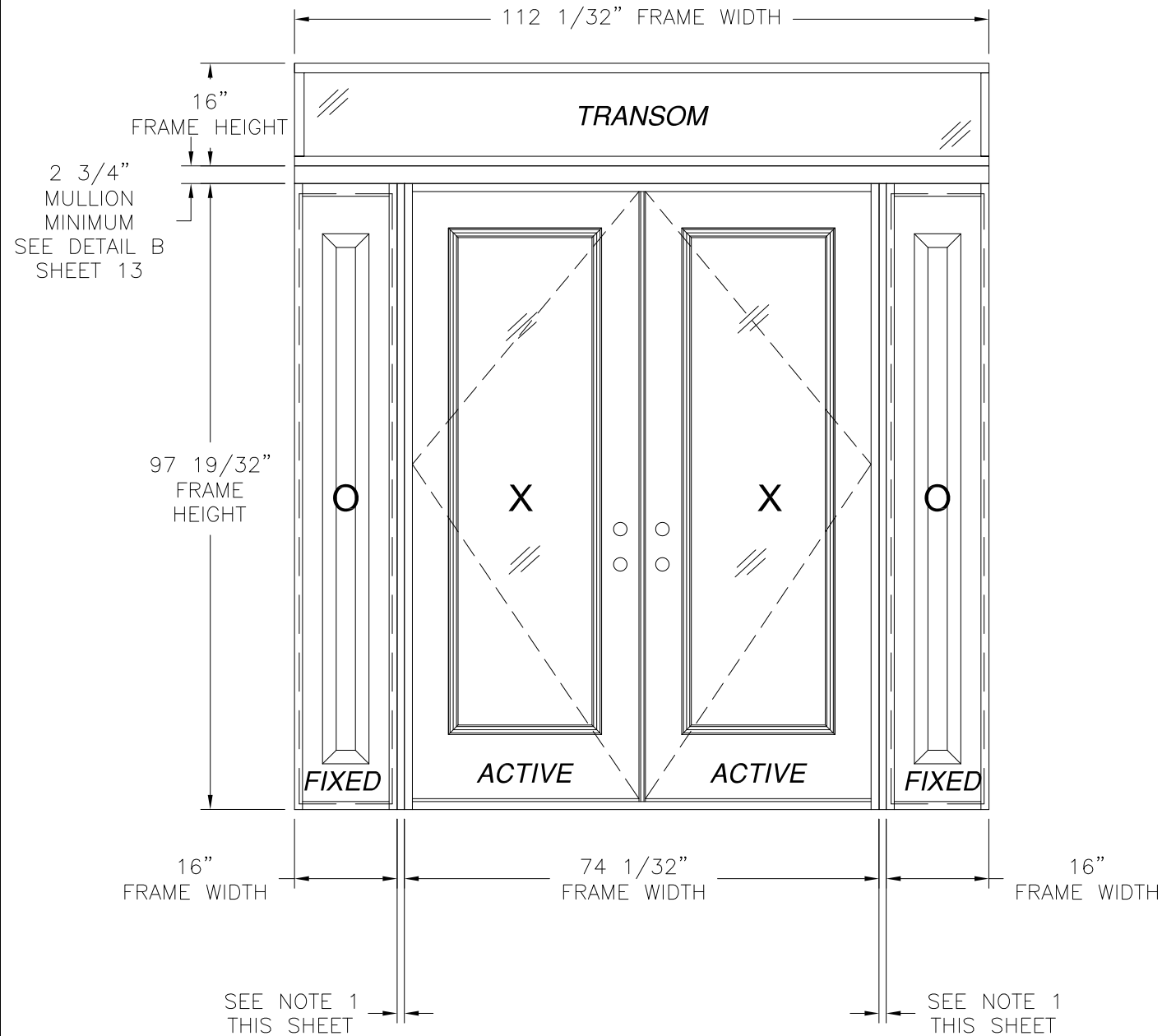
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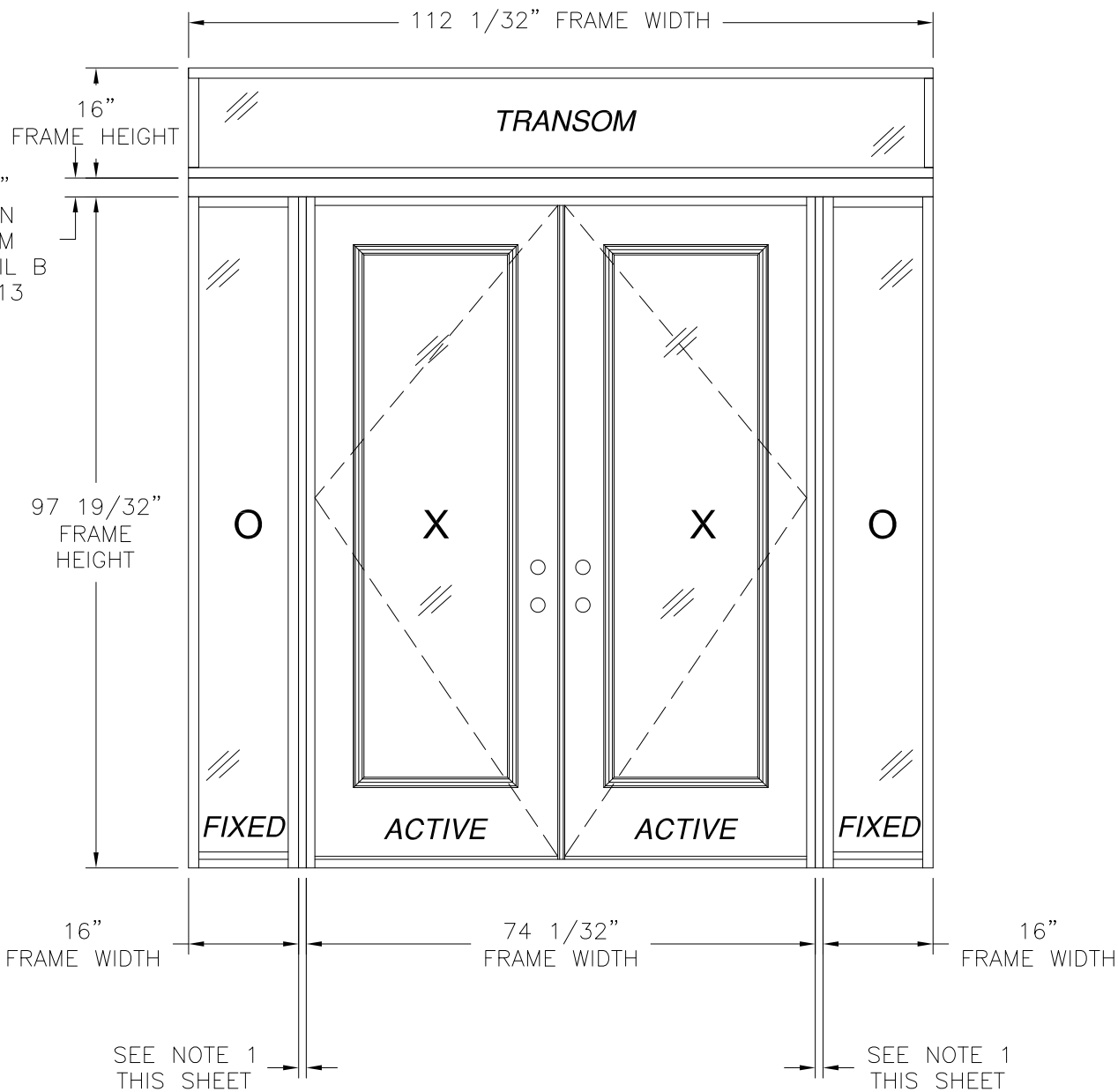


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DOUBLE DOOR W/ DIRECT SET SIDELITES AND TRANSOM
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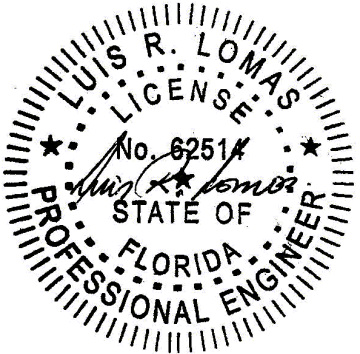
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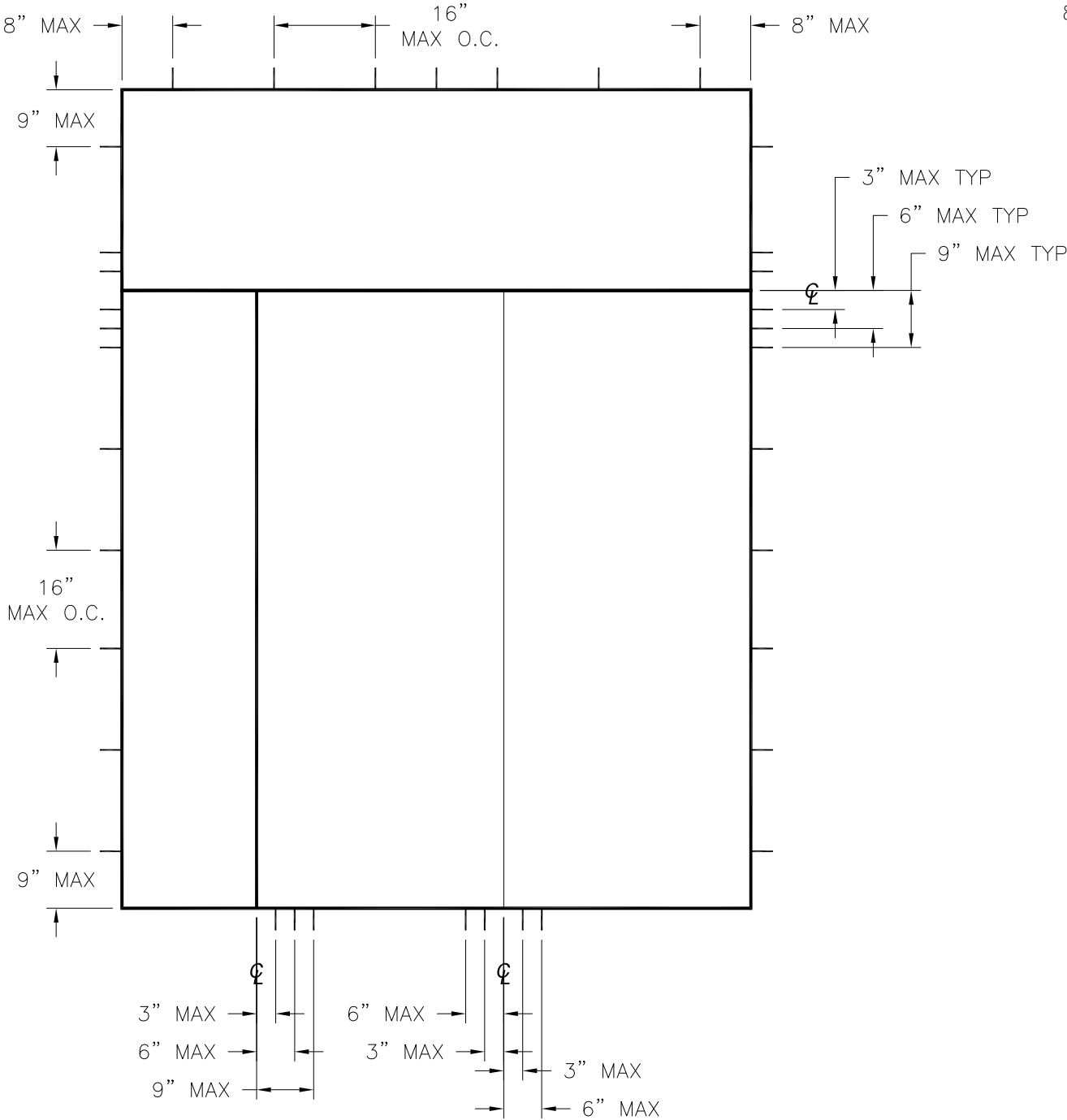
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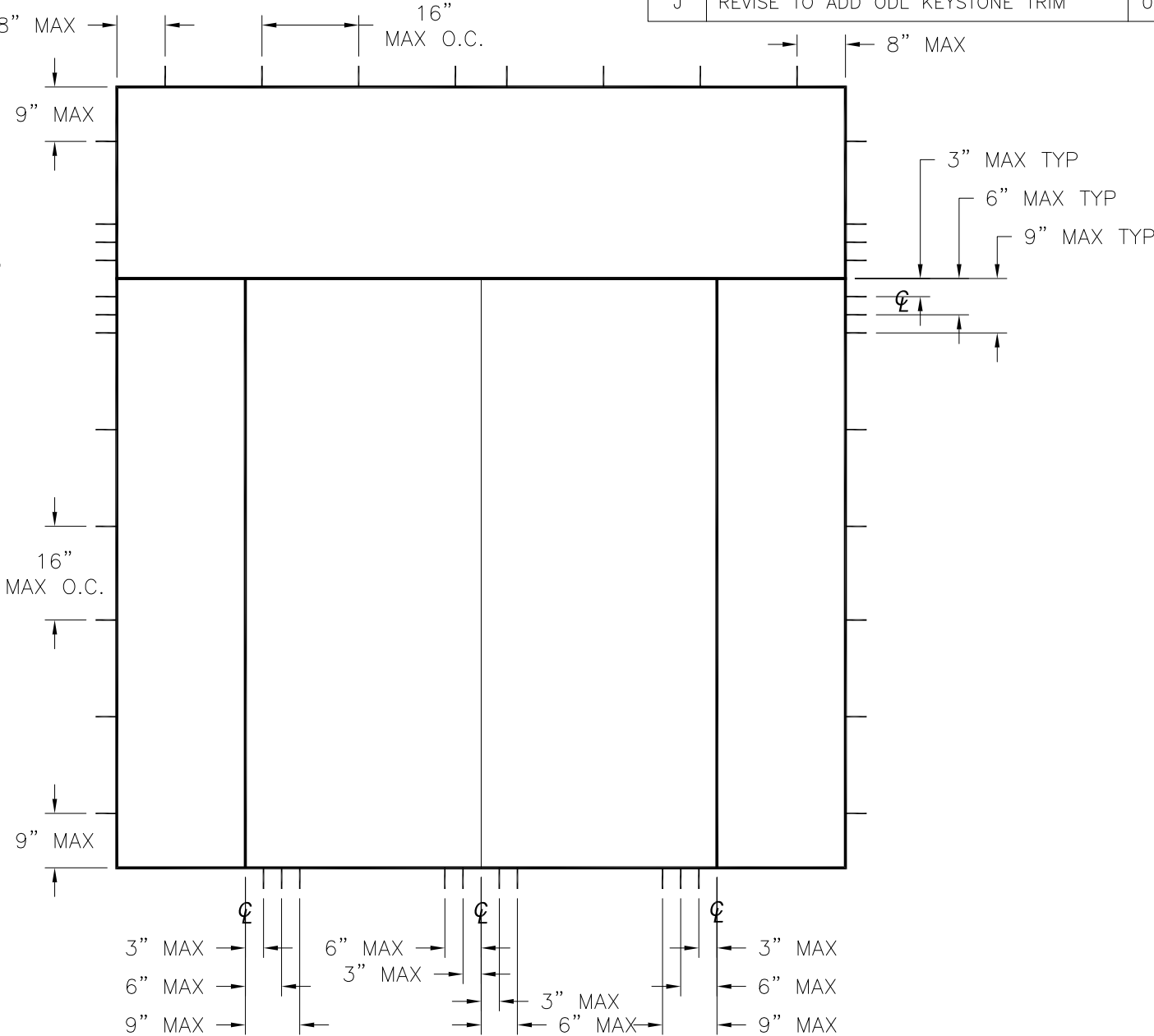


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DOUBLE DOOR W/SIDELITE AND TRANSOM
ANCHORING LAYOUT

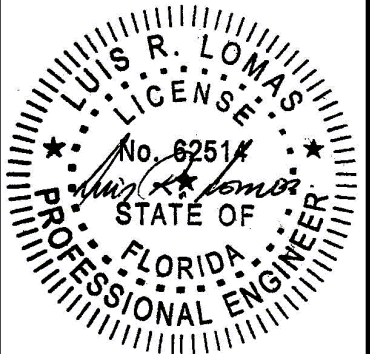


DOUBLE DOOR & TRANSOM - IMPACT -
COMPOSITE/WOOD FRAME
ANCHORING LAYOUT

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)

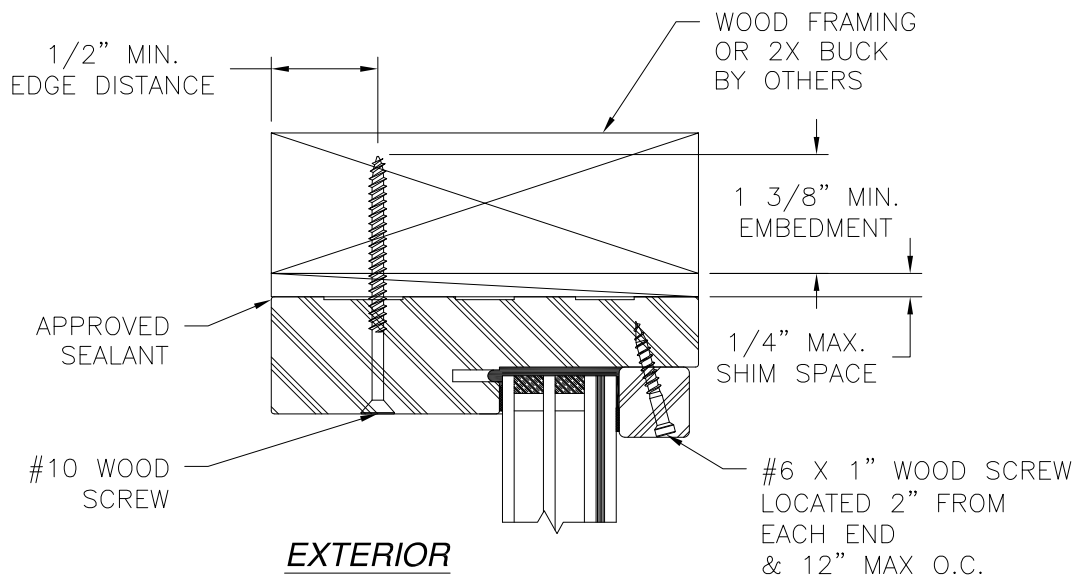
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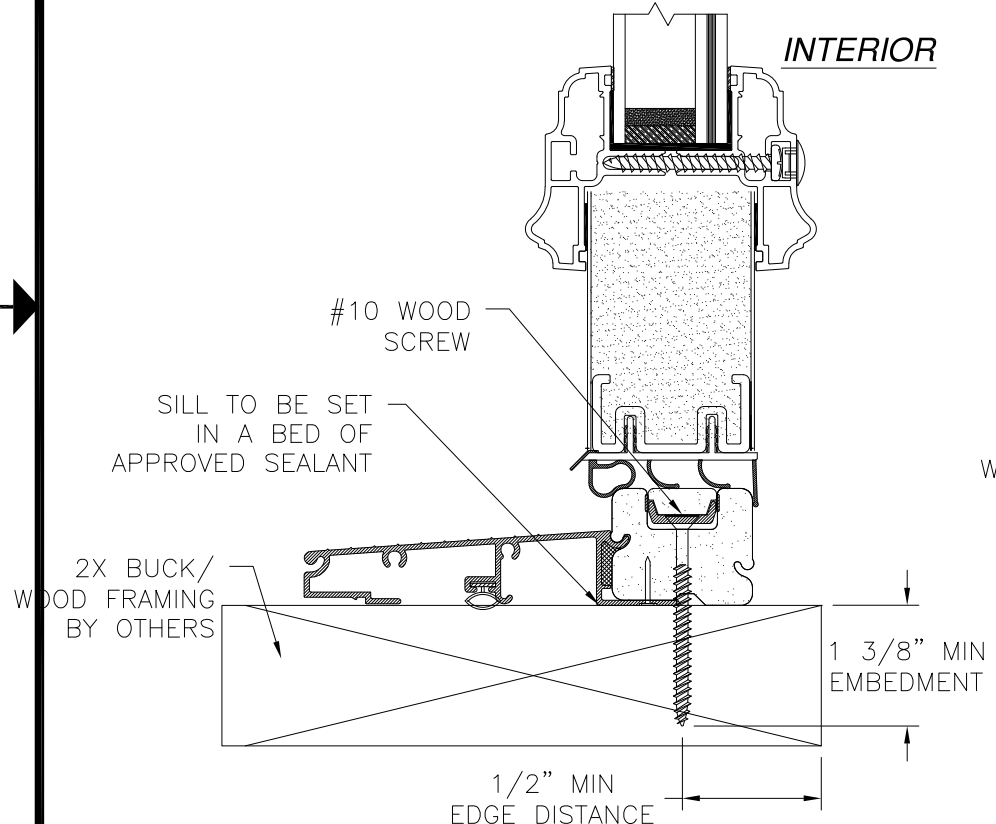


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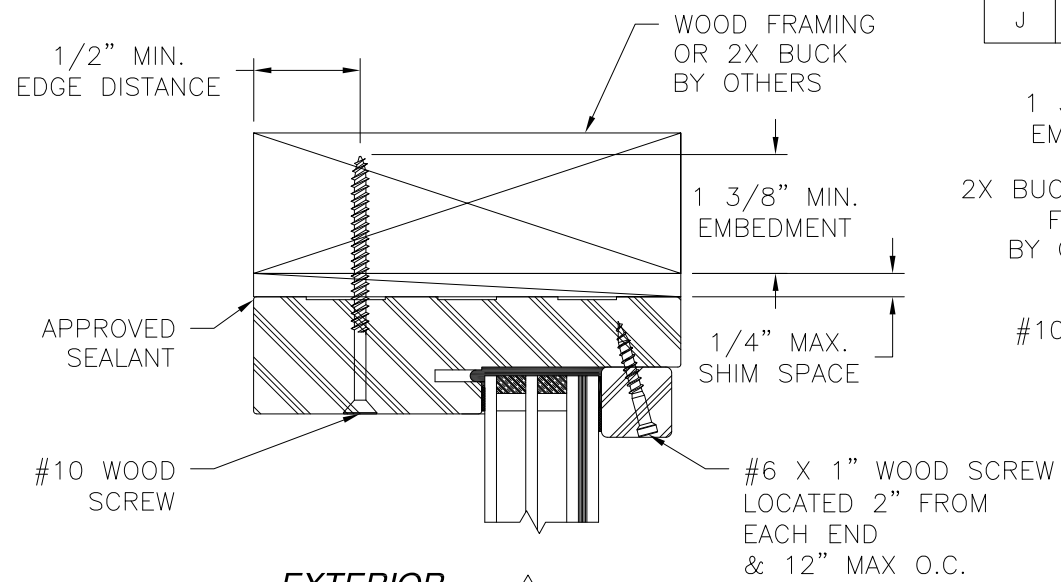
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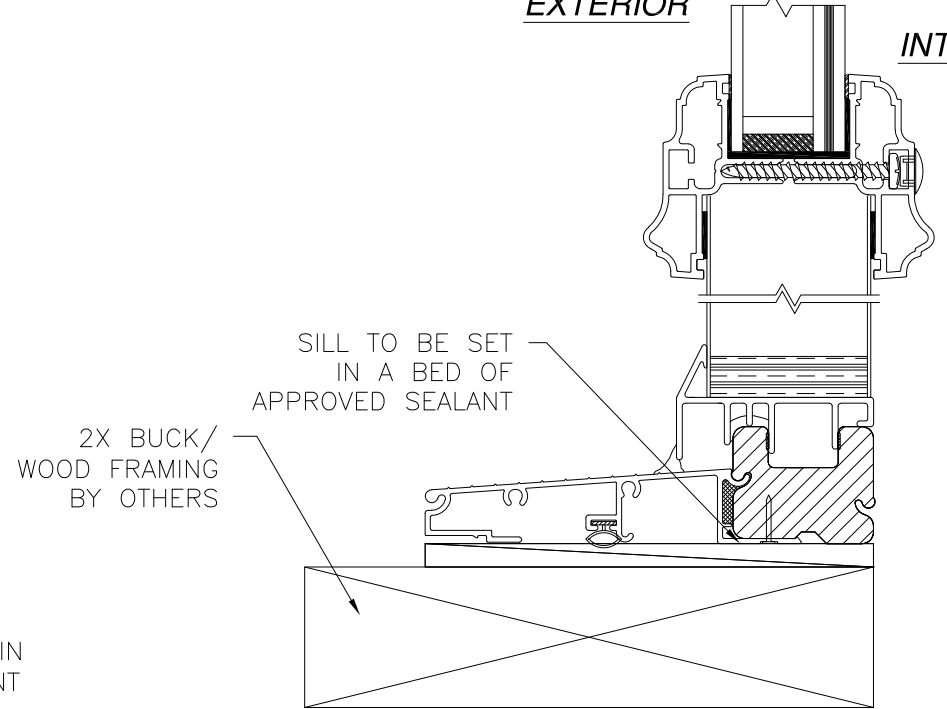
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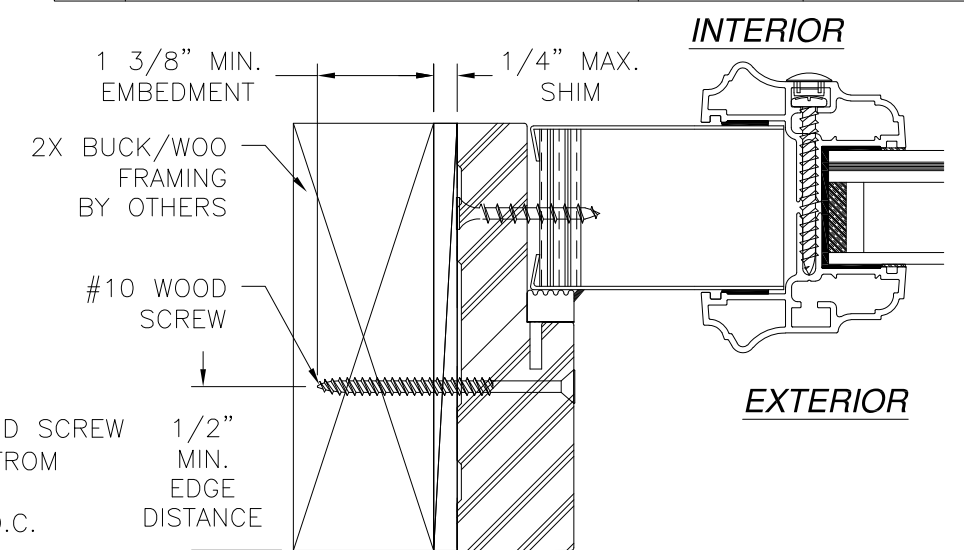
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING



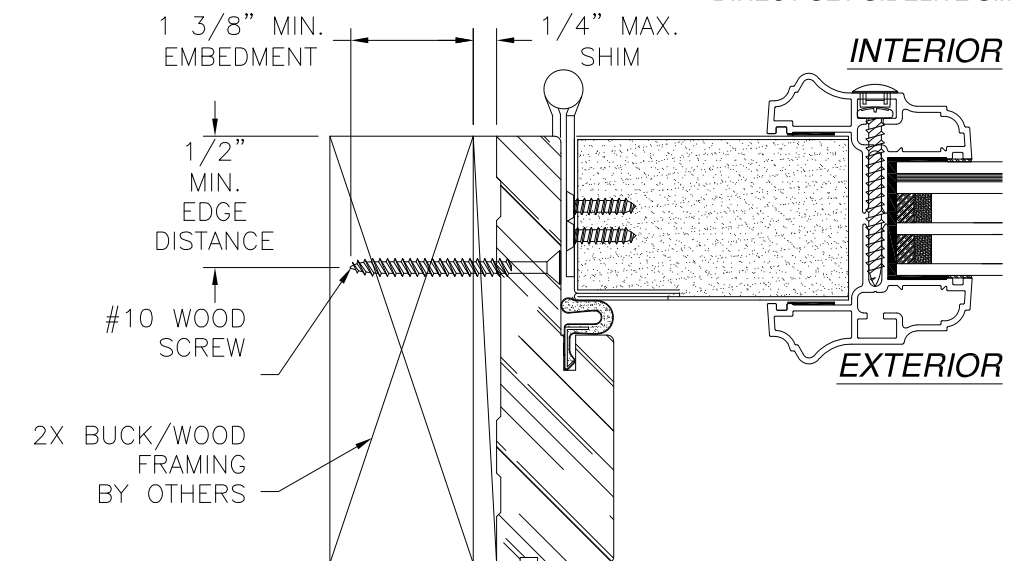
EXTERIOR



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



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

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

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W/SIDELITE & TRANSOM – IMPACT
INSTALLATION DETAILS

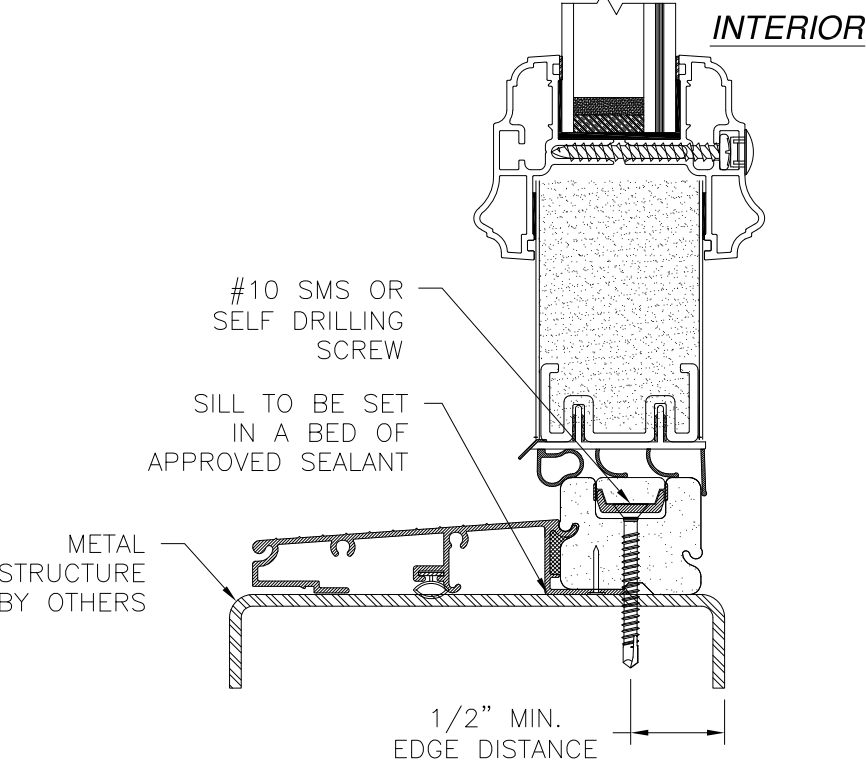
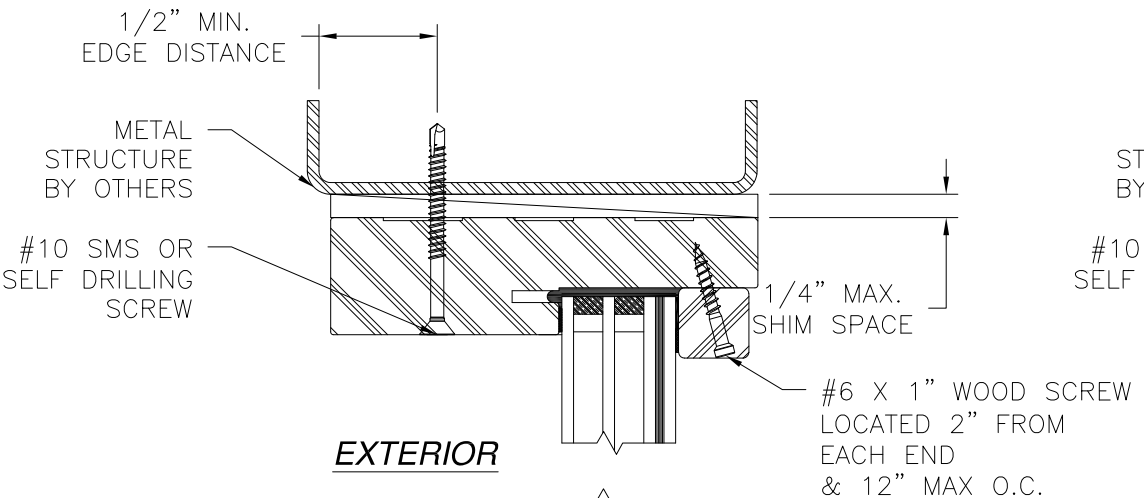
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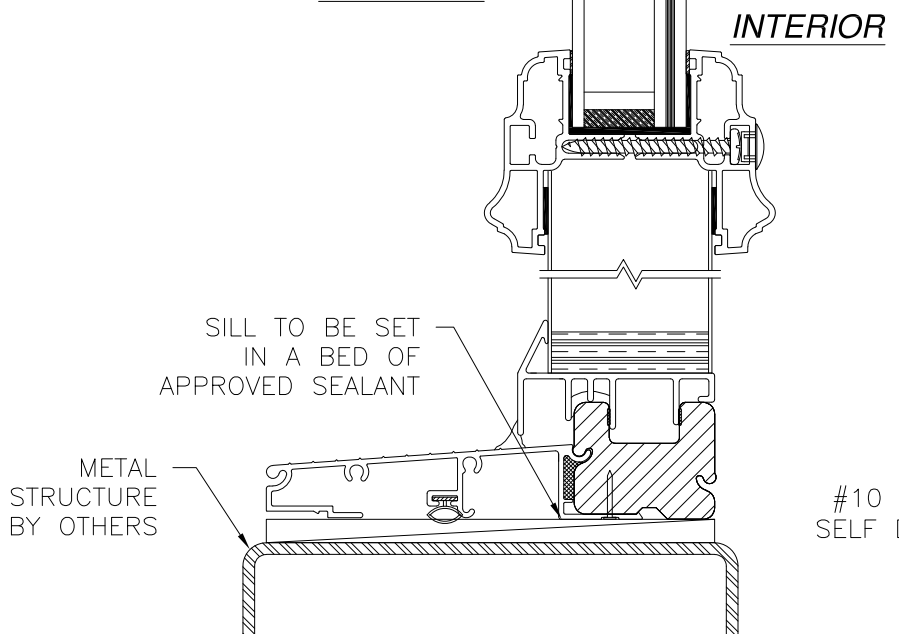
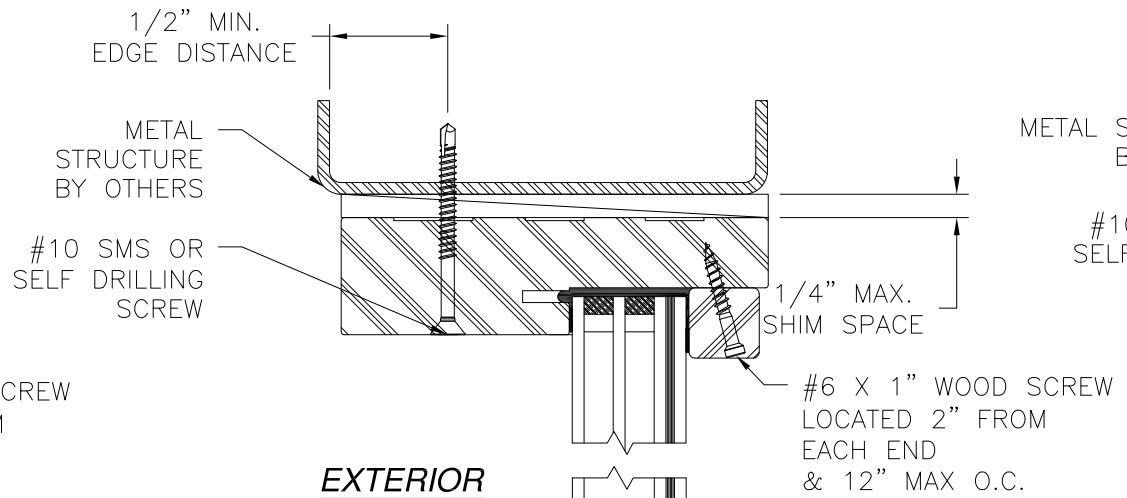
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PROFESSIONAL ENGINEER

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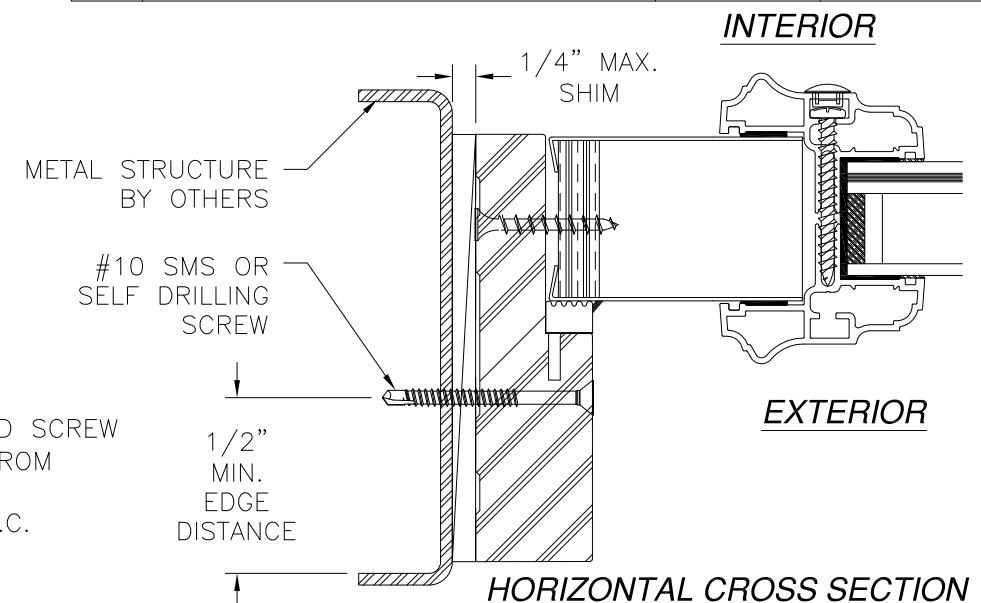
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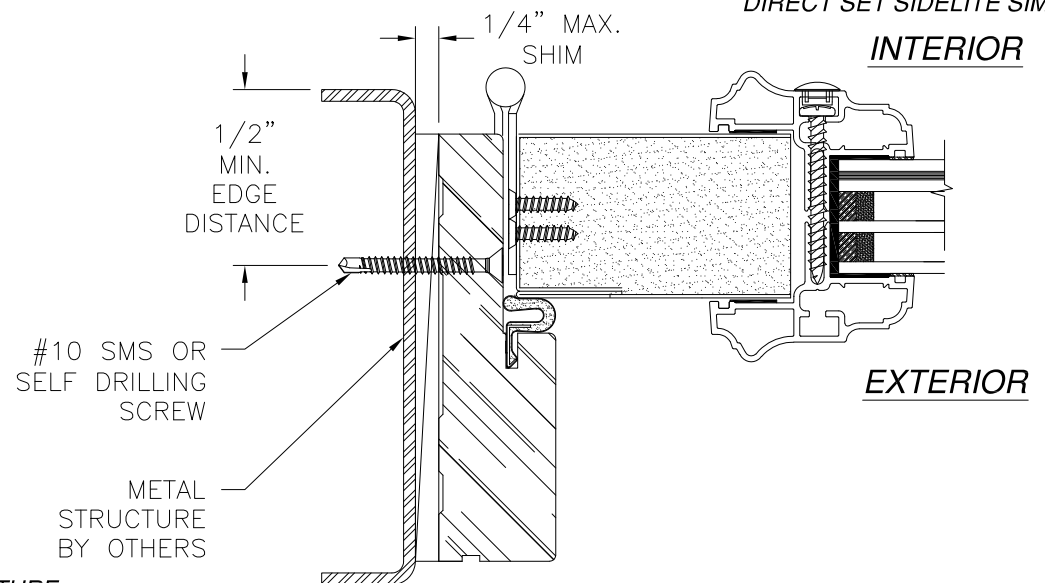
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



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



HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION METAL STRUCTURE
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HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE
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STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITE & TRANSOM – IMPACT
INSTALLATION DETAILS

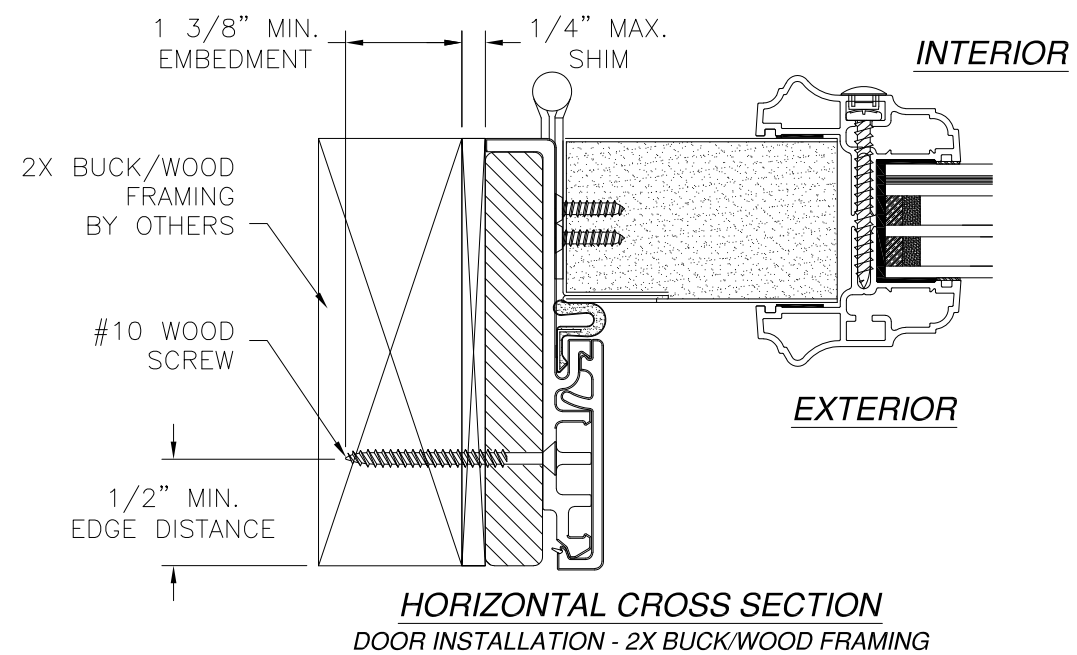
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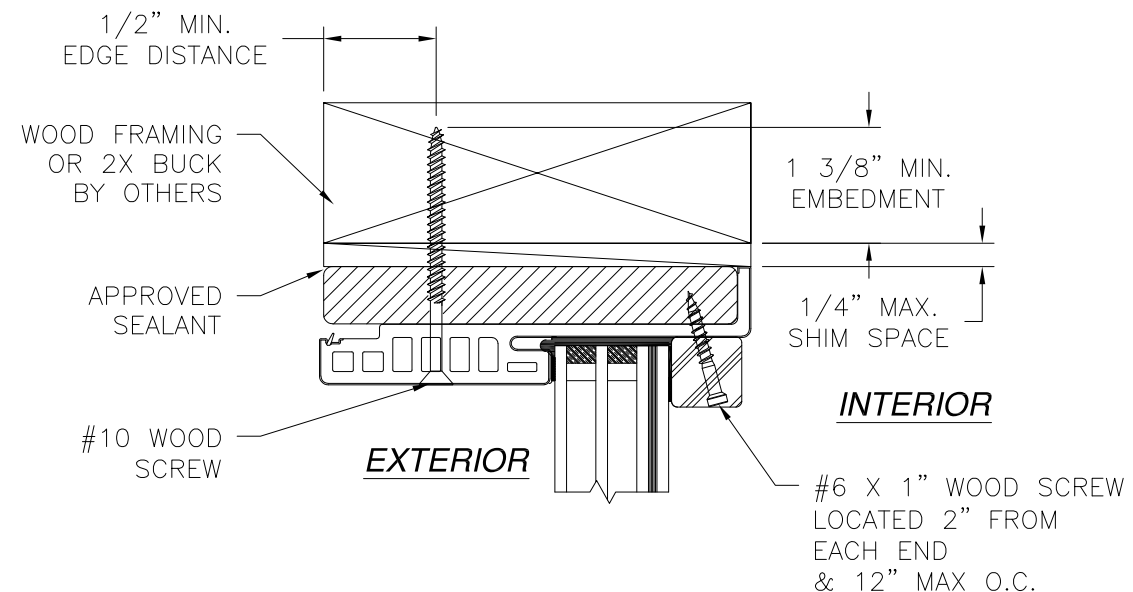
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STATE OF FLORIDA

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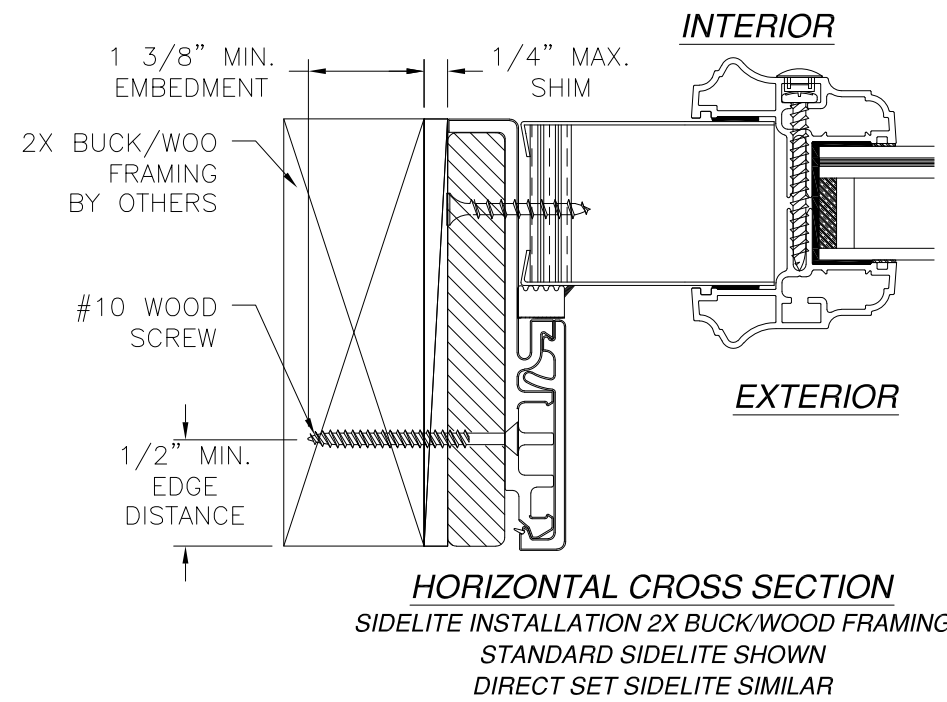
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HORIZONTAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING



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



HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
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W/SIDELITE & TRANSOM – IMPACT
INSTALLATION DETAILS W/FUSION FRAME

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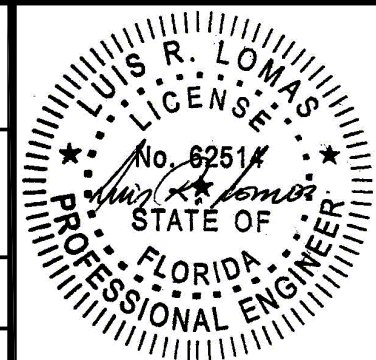
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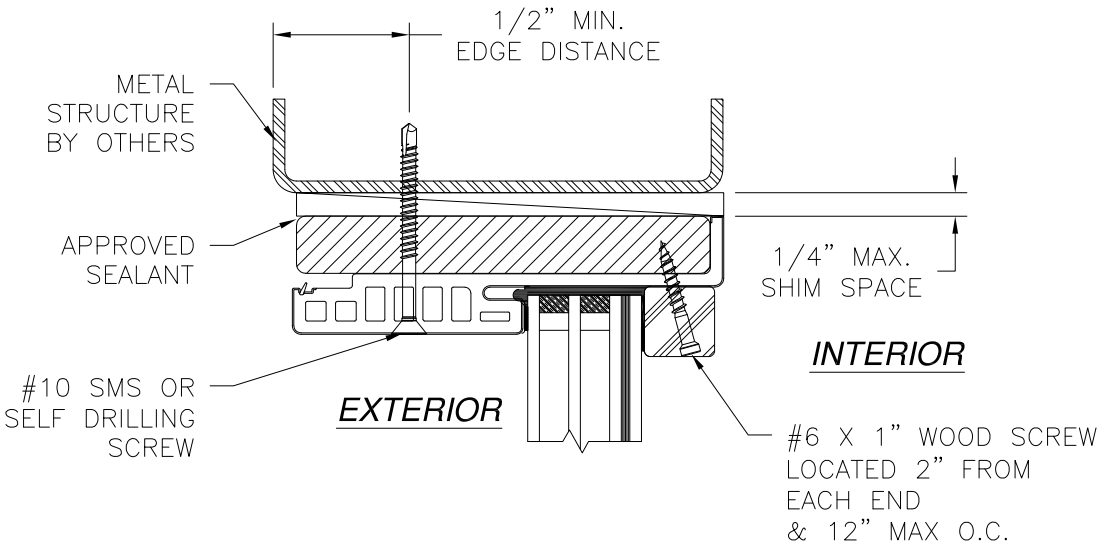
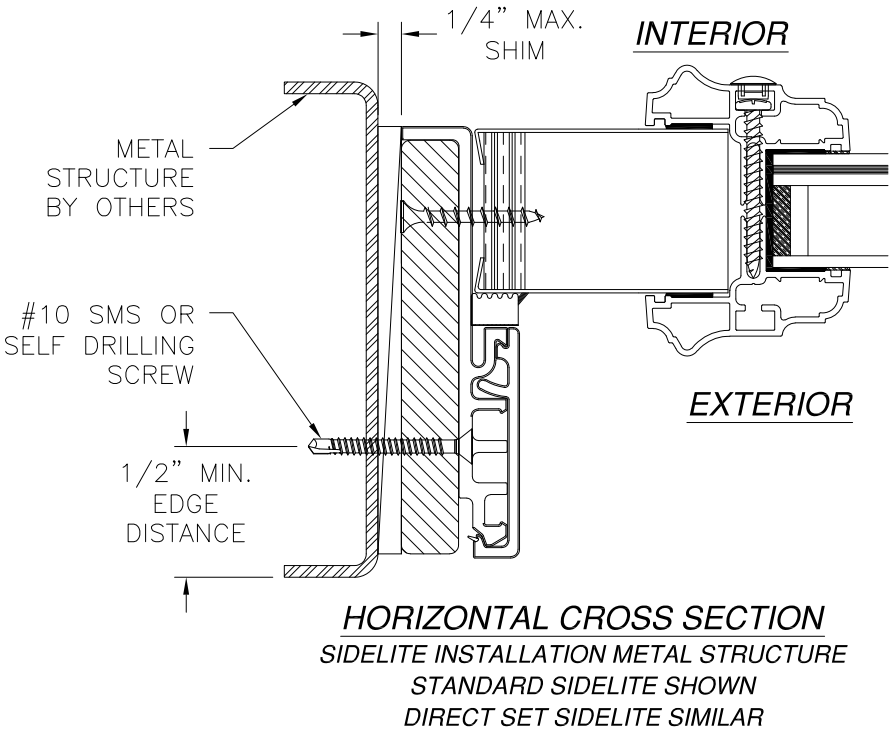
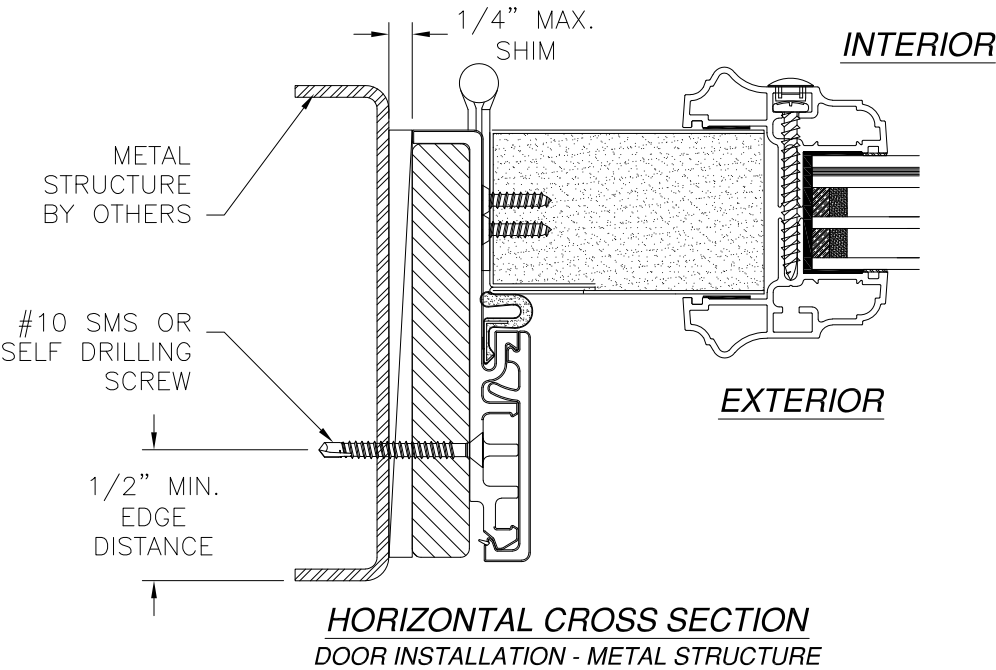
SHEET 9 OF 17

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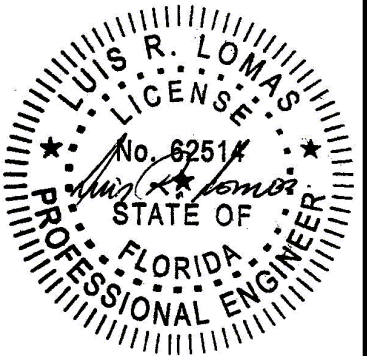
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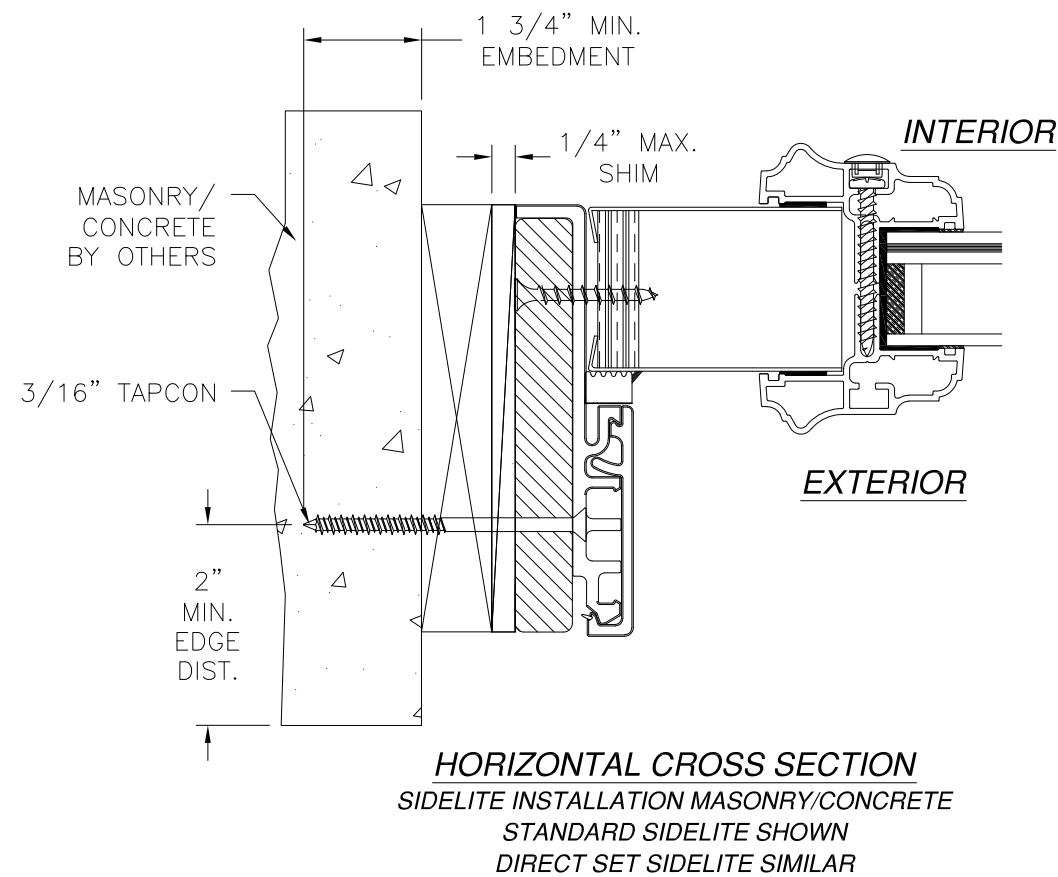
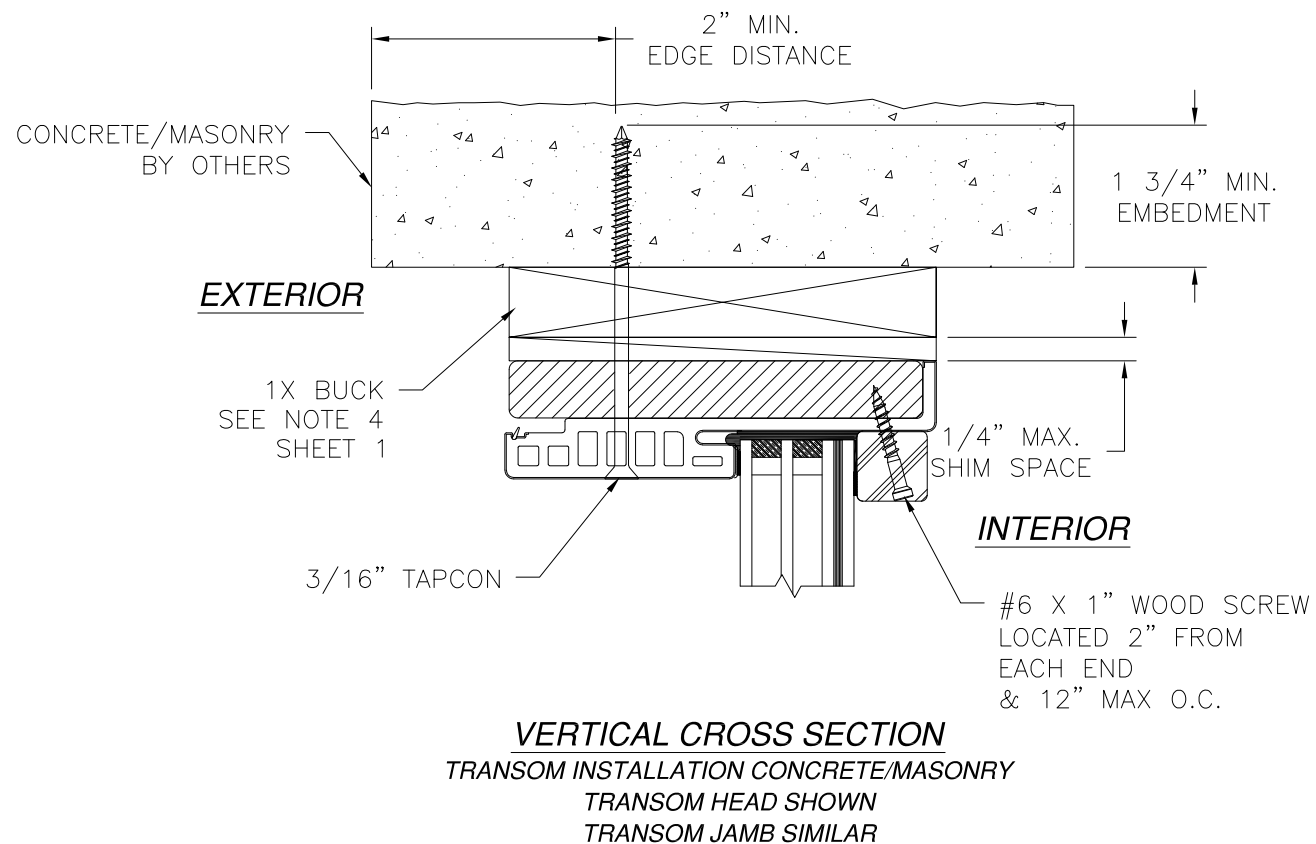
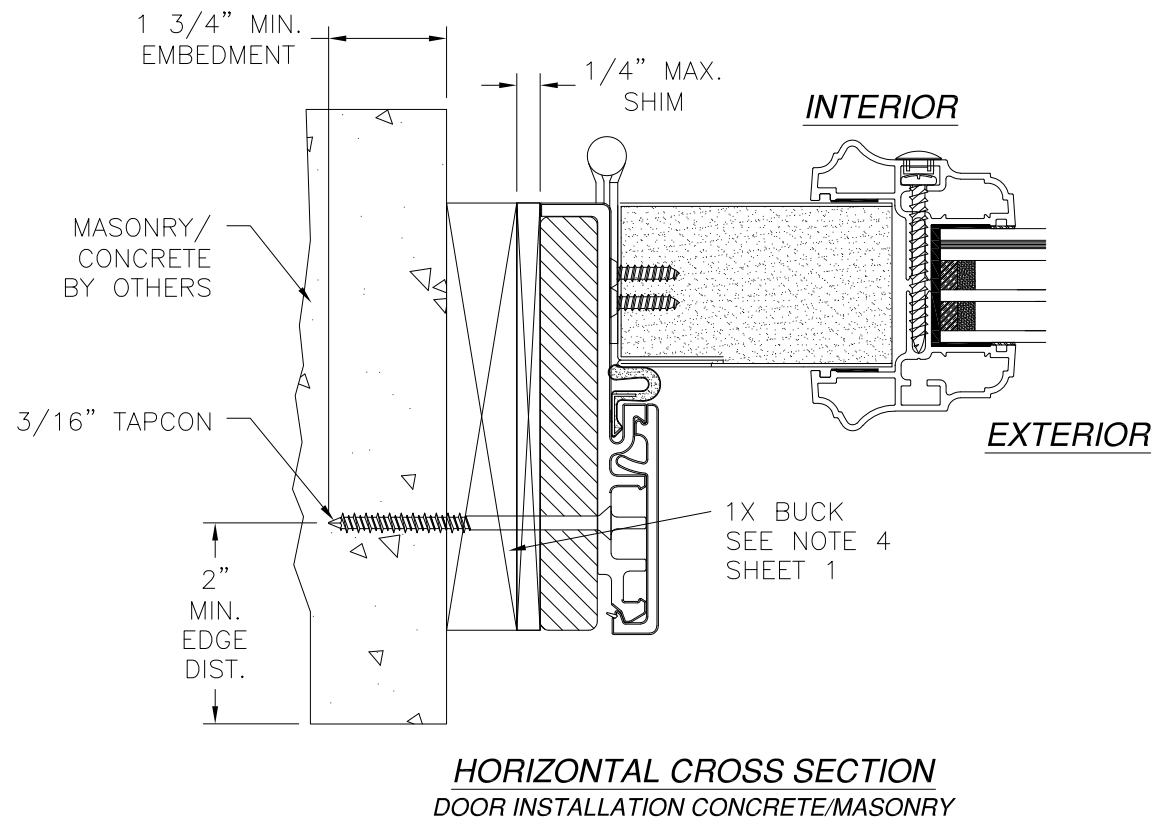
SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITE & TRANSOM – IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 10 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	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

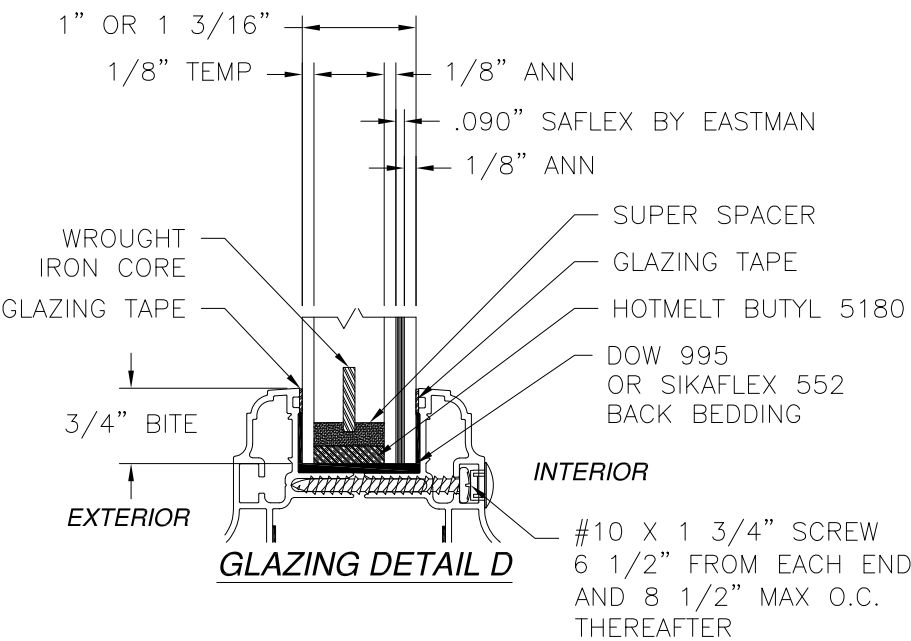
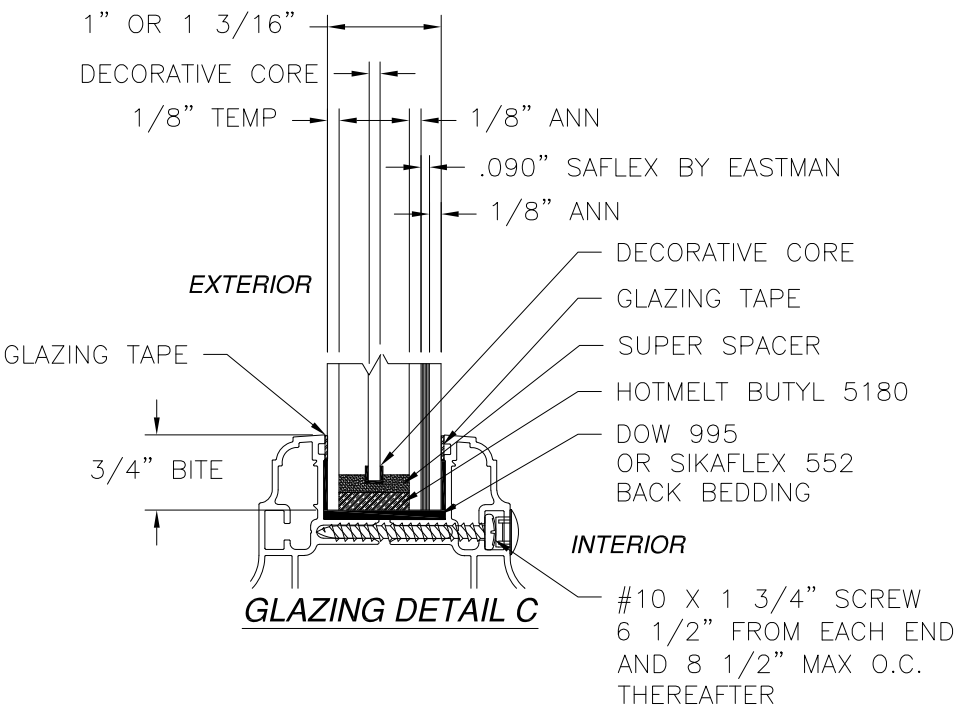
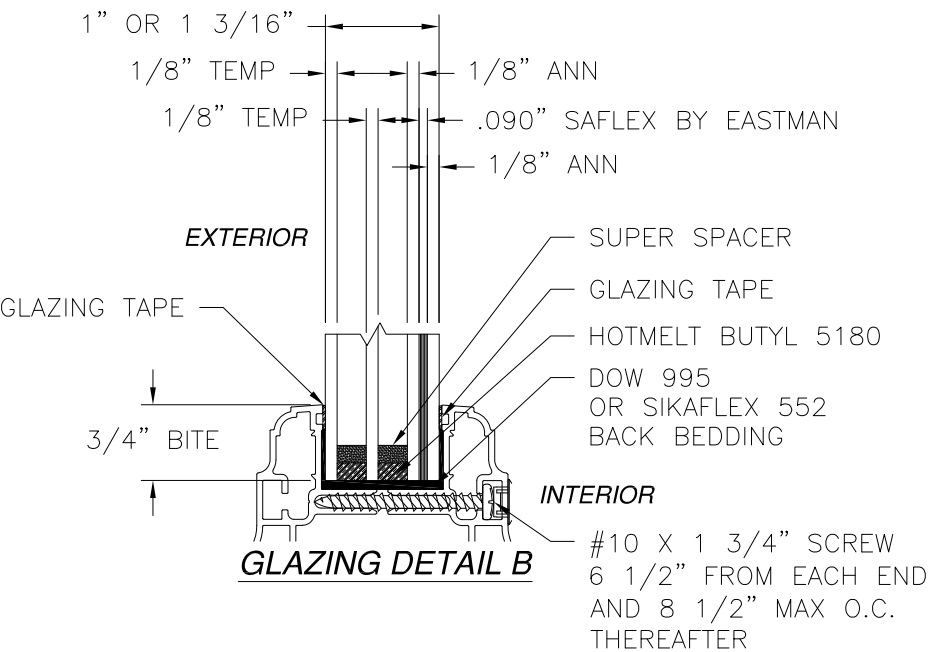
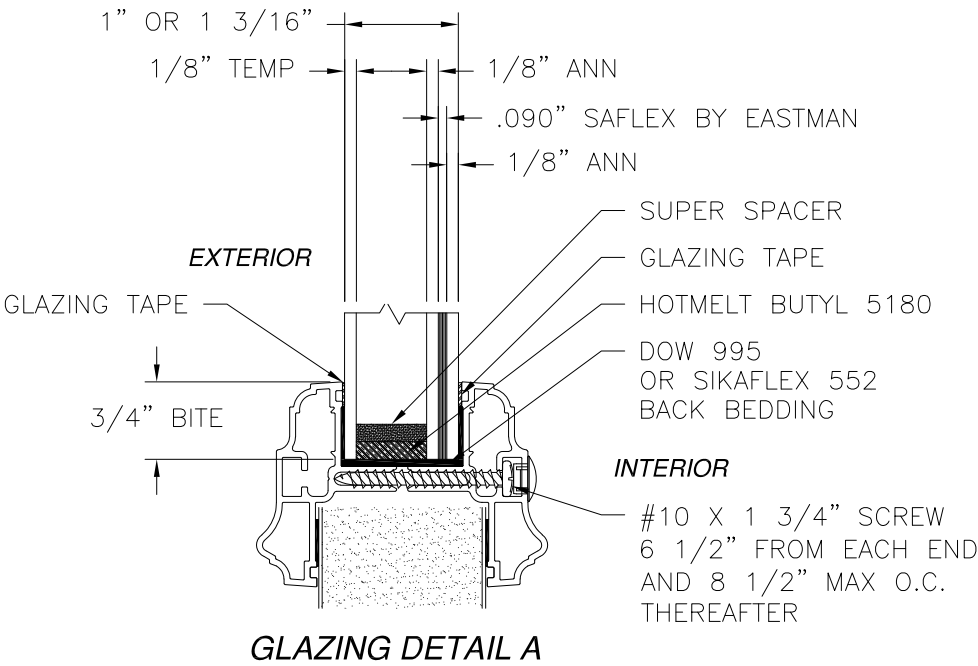
SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITE & TRANSOM – IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	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.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	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/SIDELITE & TRANSOM – IMPACT
GLAZING DETAILS

DRAWN: J.L.

DWG NO. 08-01968

REV J

SCALE NTS

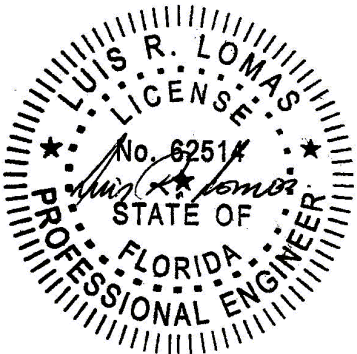
DATE 04/23/13

SHEET 12 OF 17

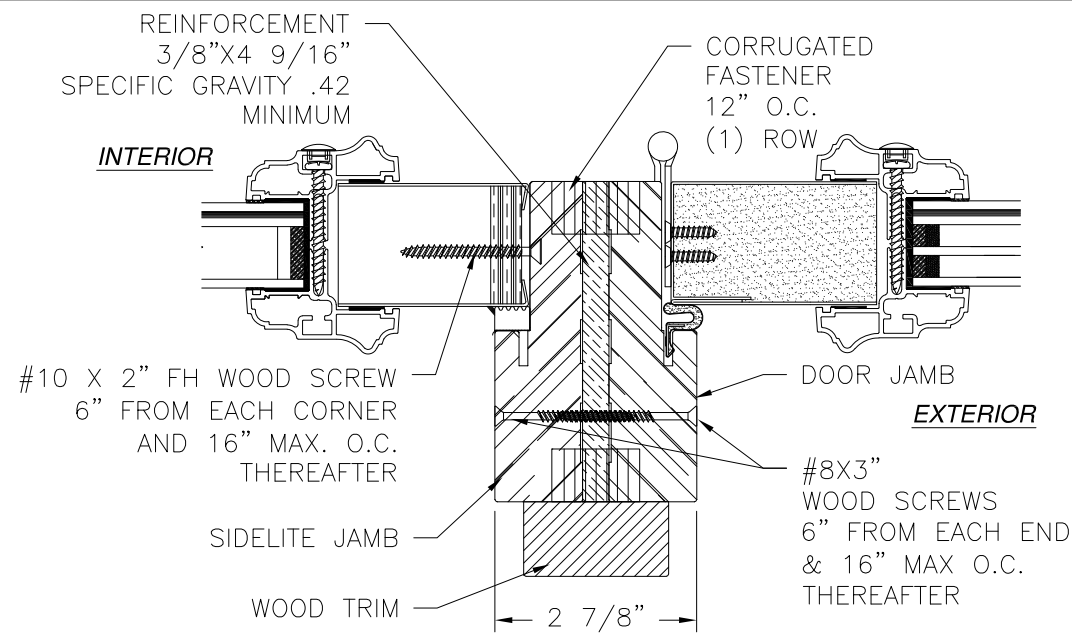
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

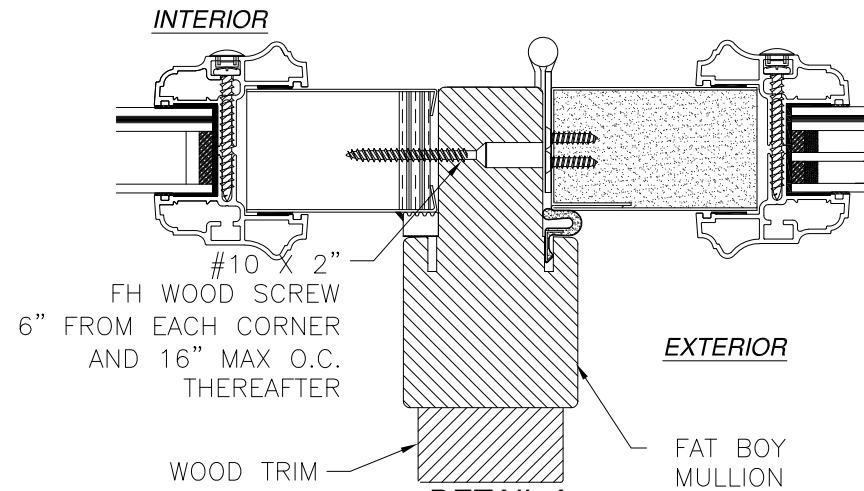
434-688-0609 rllomas@lrlomaspe.com



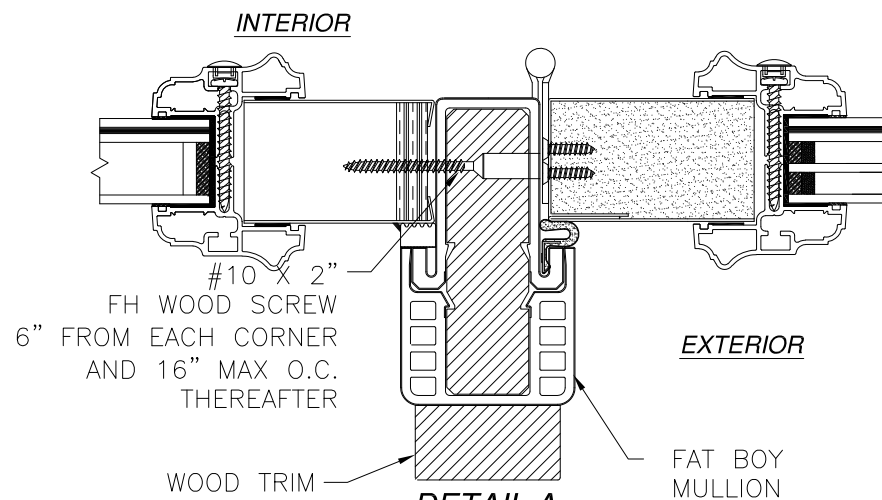
Luis R. Lomas P.E.
FL No.: 62514



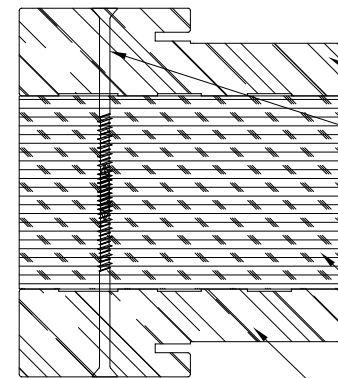
DETAIL A
VERTICAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



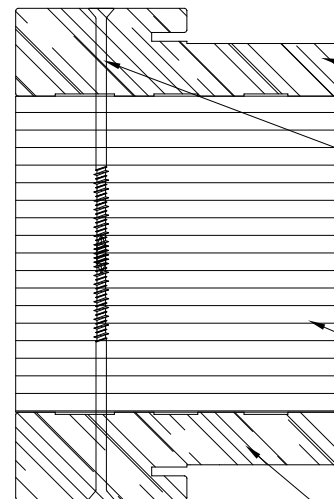
DETAIL A
WITH FAT BOY MULLION



DETAIL A
WITH HYBRID FAT BOY MULLION



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

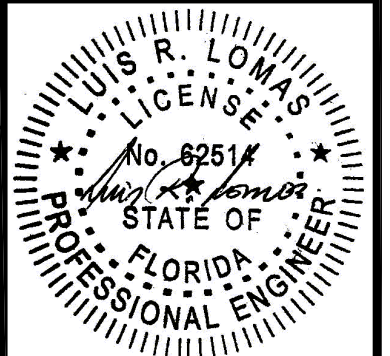


DETAIL C
HORIZONTAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR

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

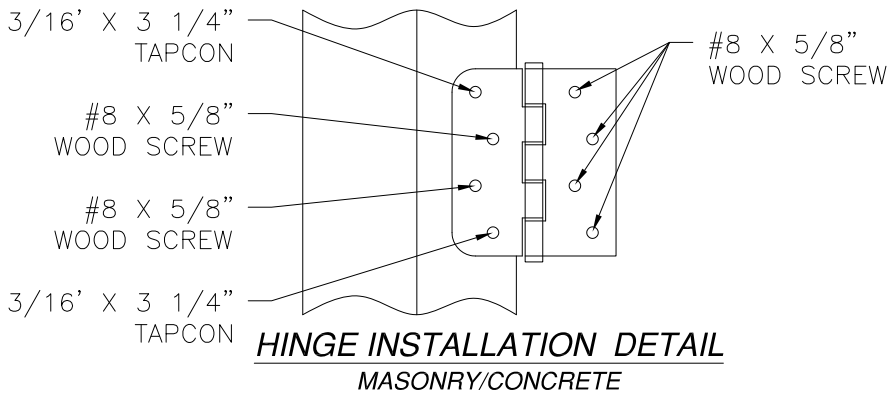
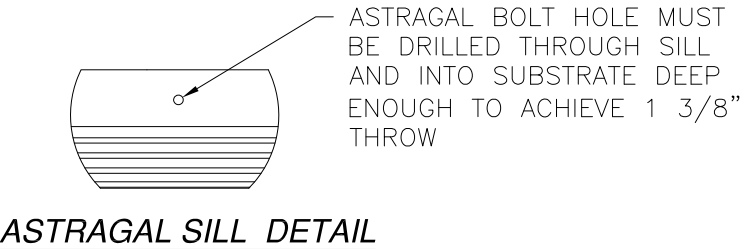
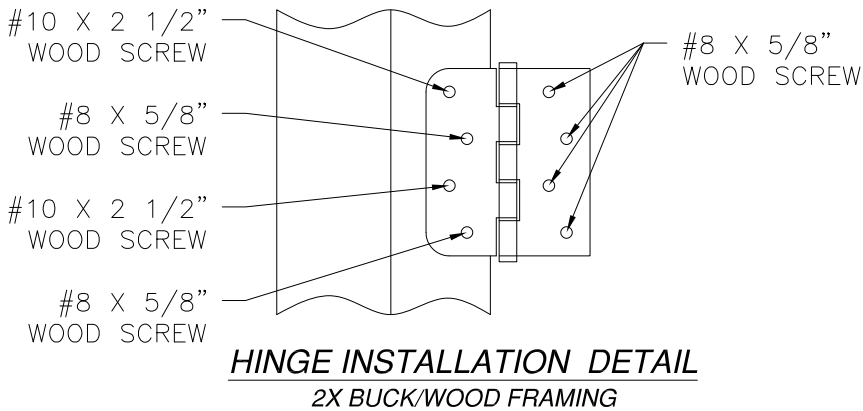
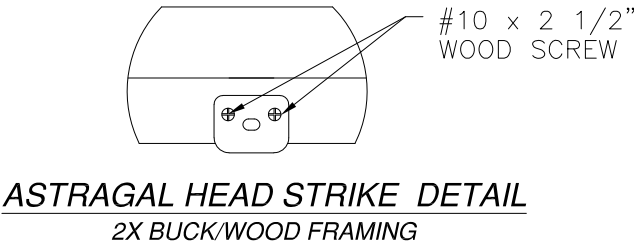
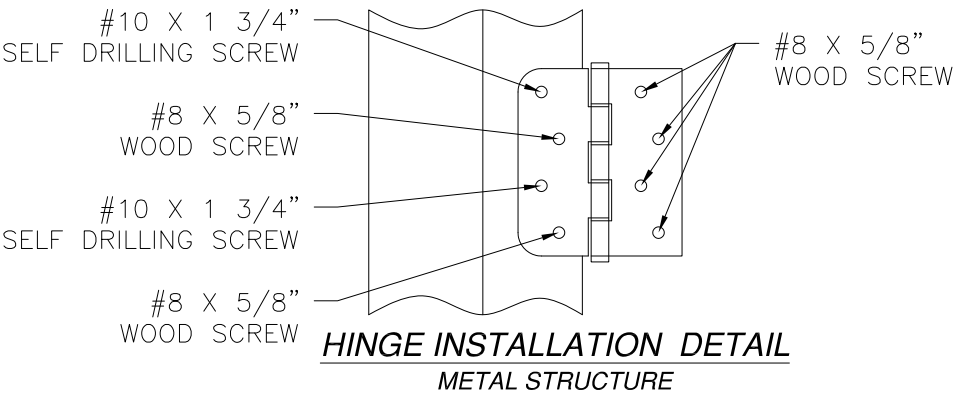
SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITE & TRANSOM - IMPACT MULLION DETAILS		
DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 13 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



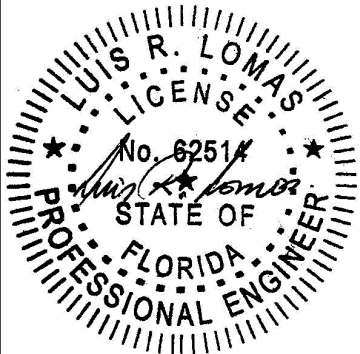
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITE & TRANSOM – IMPACT
COMPONENTS DETAILS

DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 14 OF 17

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

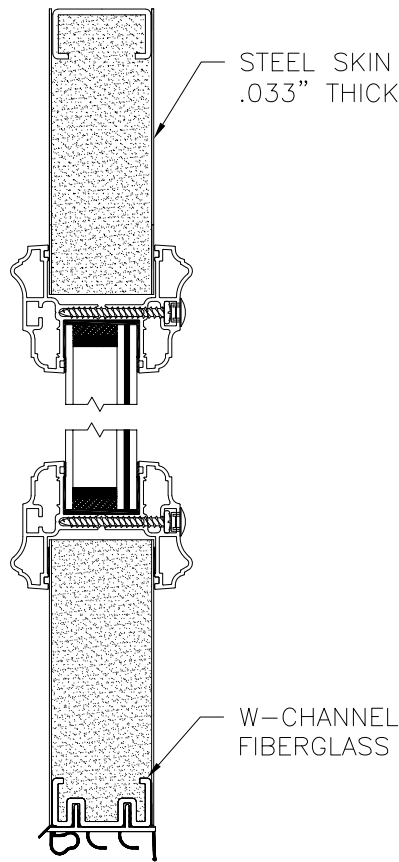
SIGNED: 08/27/2024



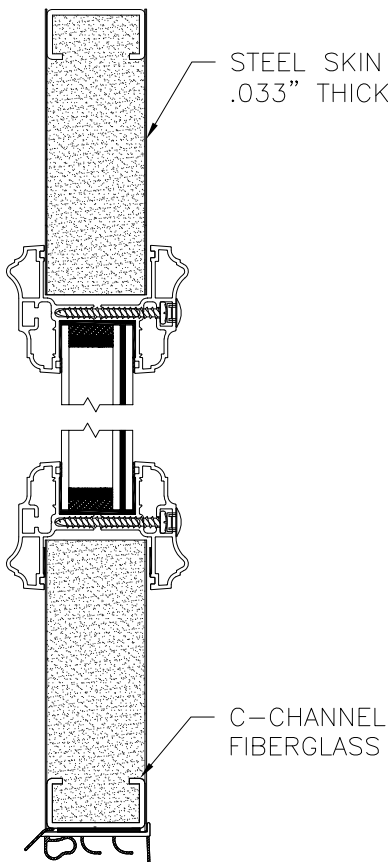
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

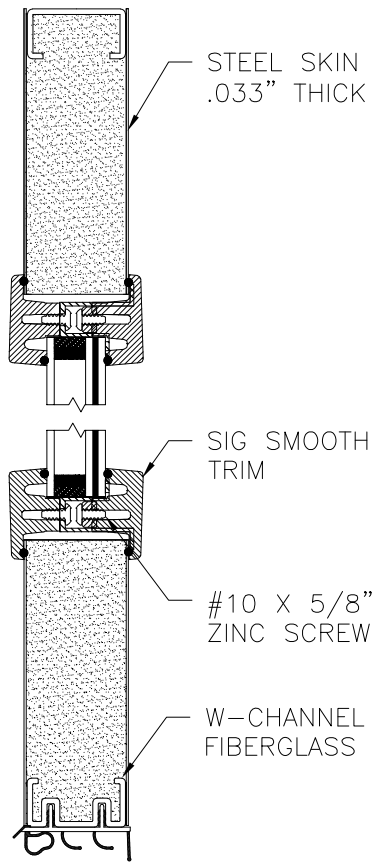
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



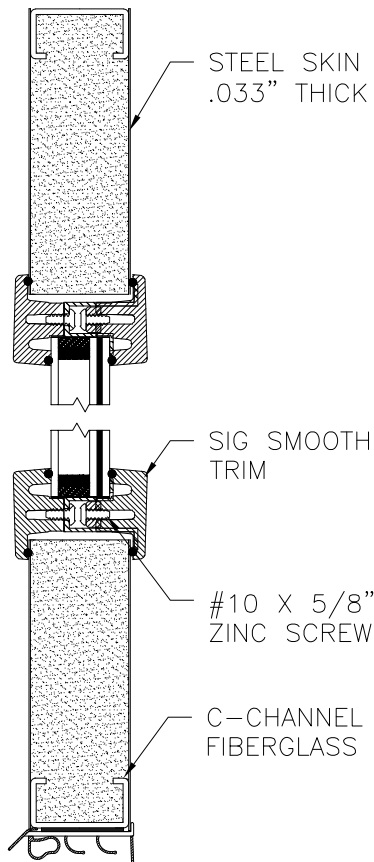
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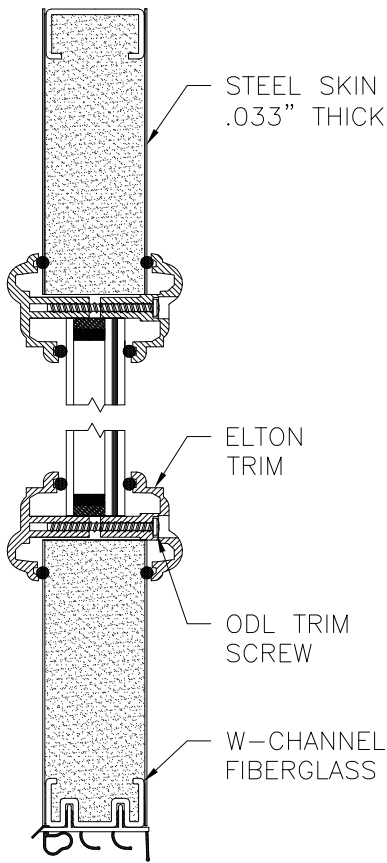
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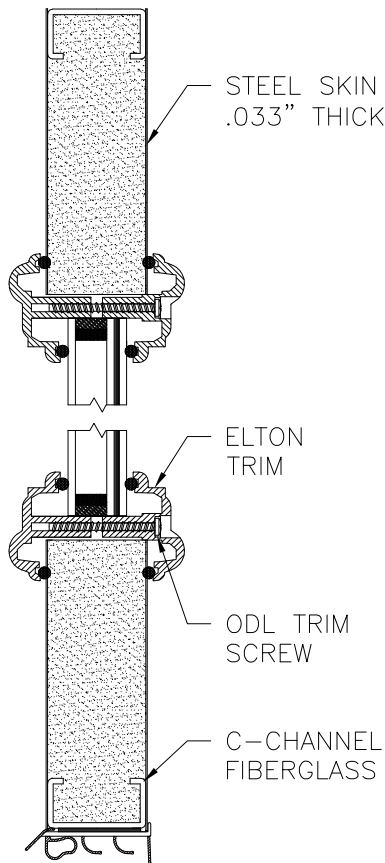
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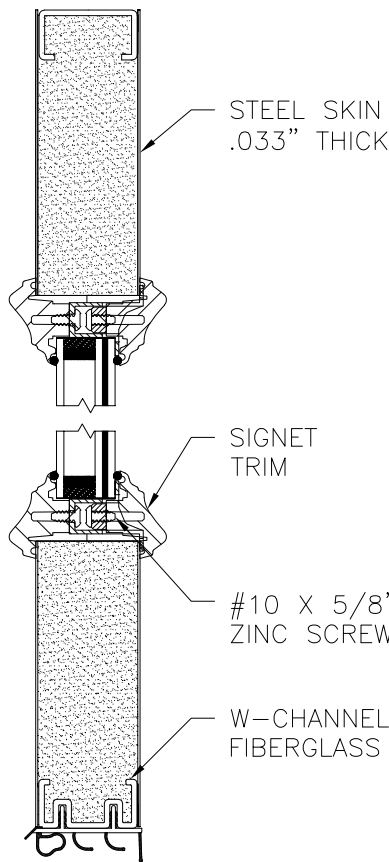
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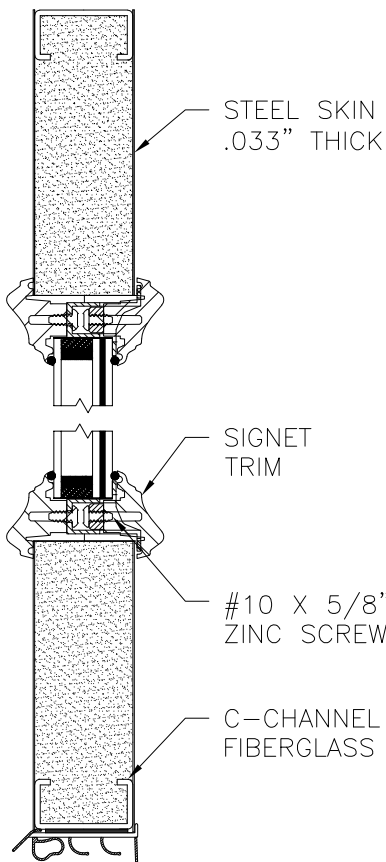
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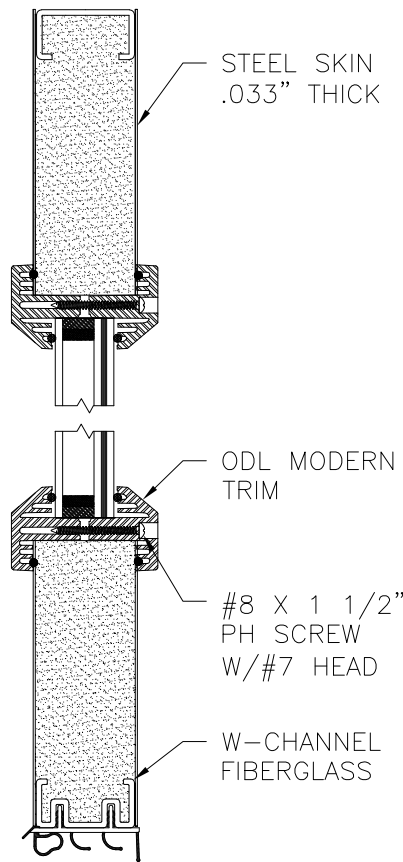
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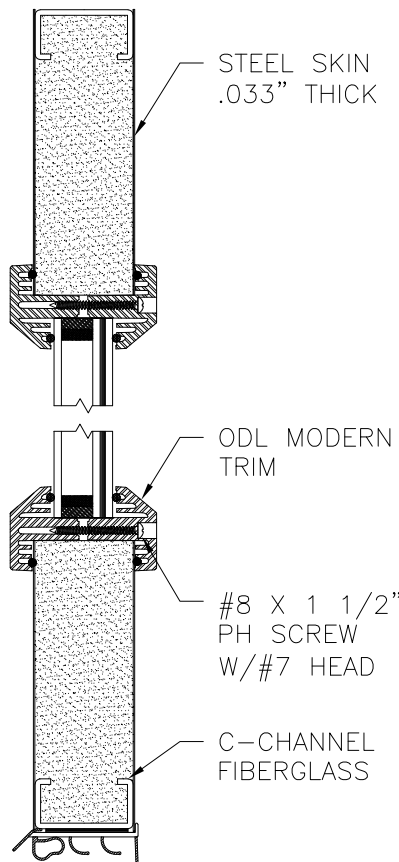
PANEL OPTION 5



PANEL OPTION 6



PANEL OPTION 7



PANEL OPTION 8

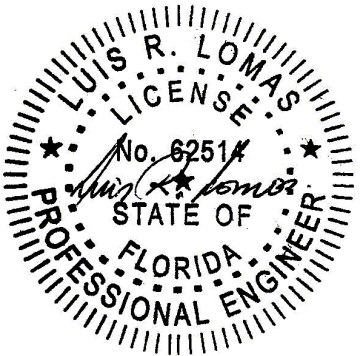
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITE & TRANSOM – IMPACT
APPROVED SLABS

DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 15 OF 17

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

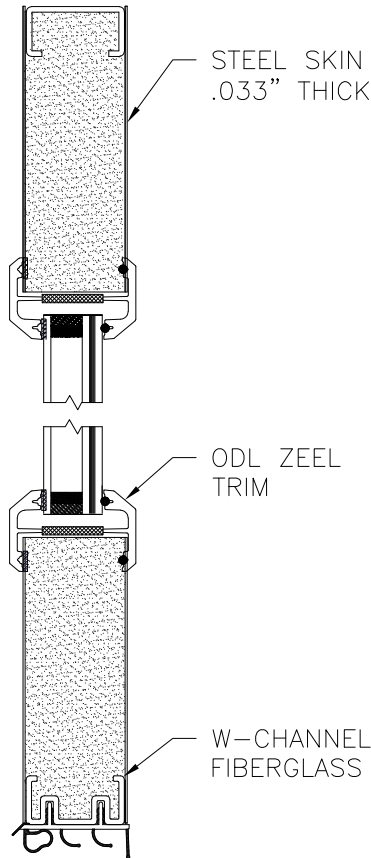
SIGNED: 08/27/2024



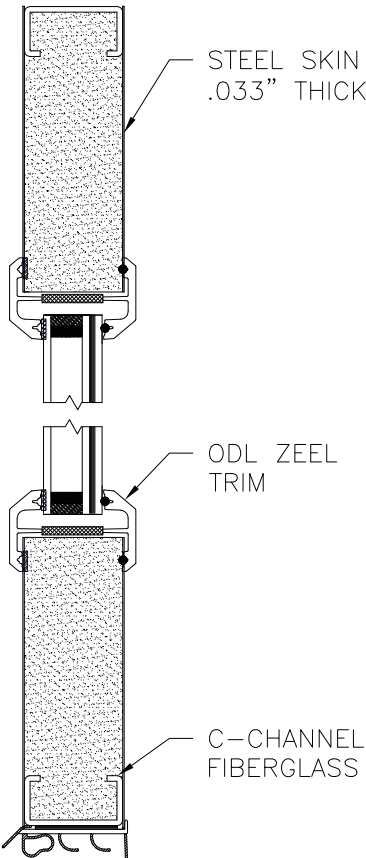
Luis R. Lomas P.E.
FL No.: 62514

APPROVED SLABS AND TRIMS

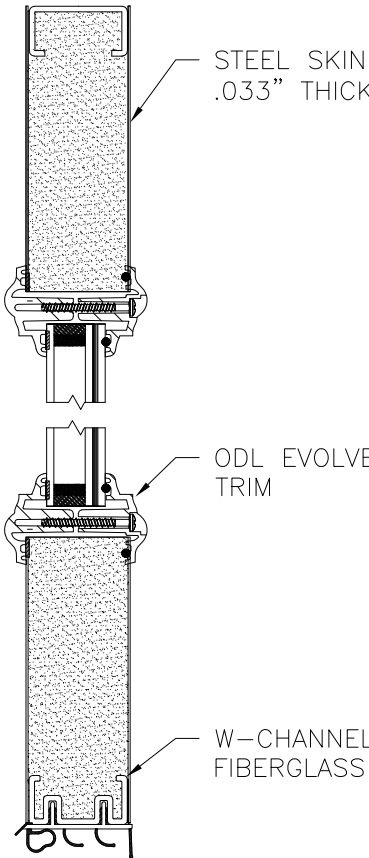
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



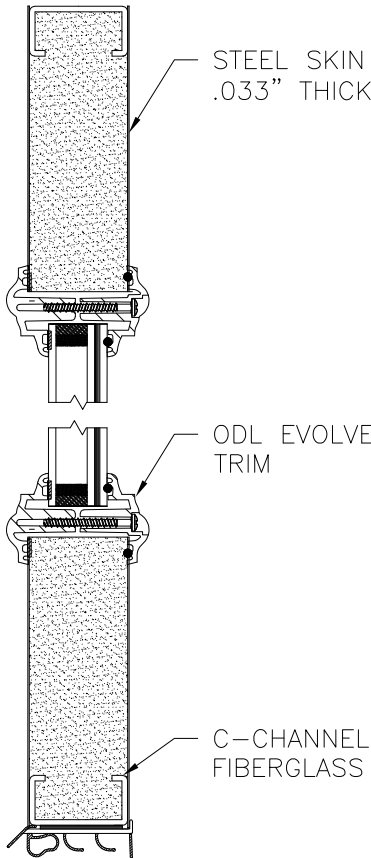
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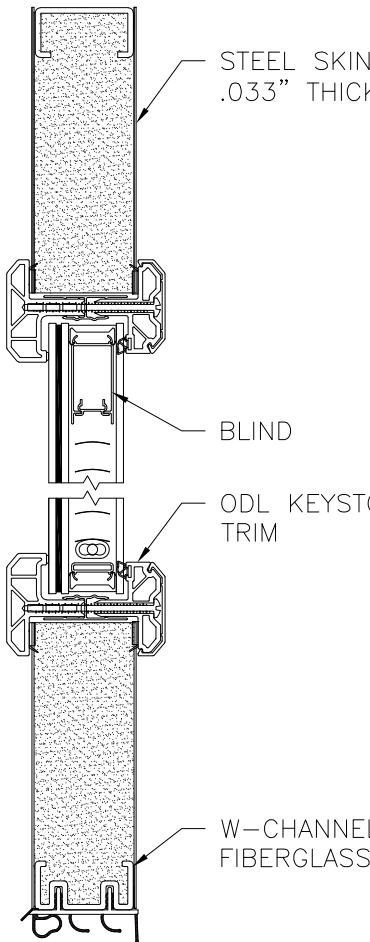
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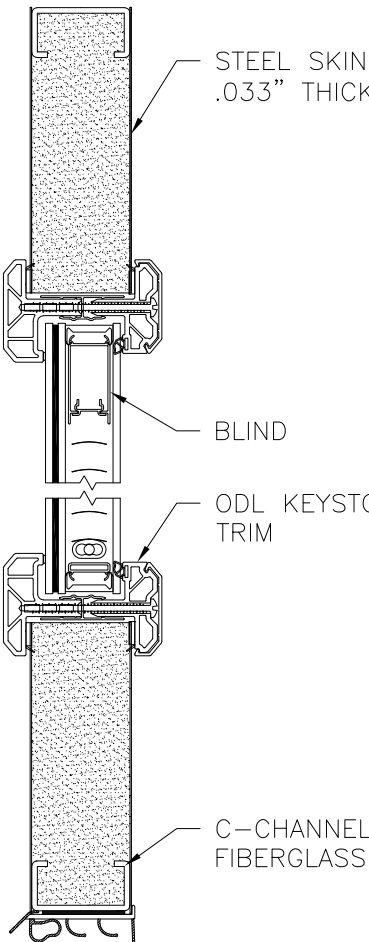
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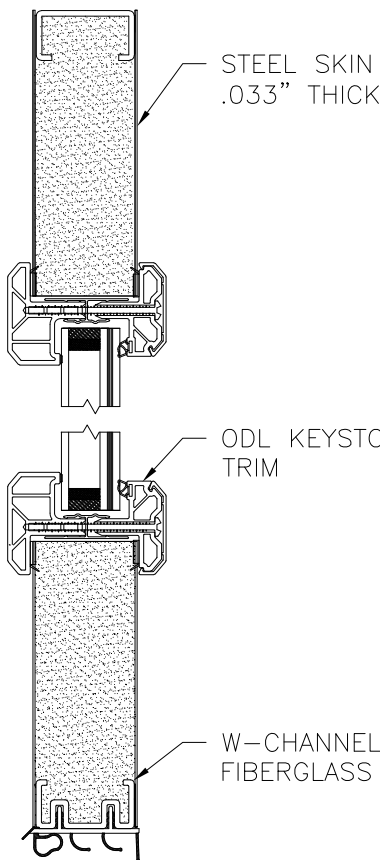
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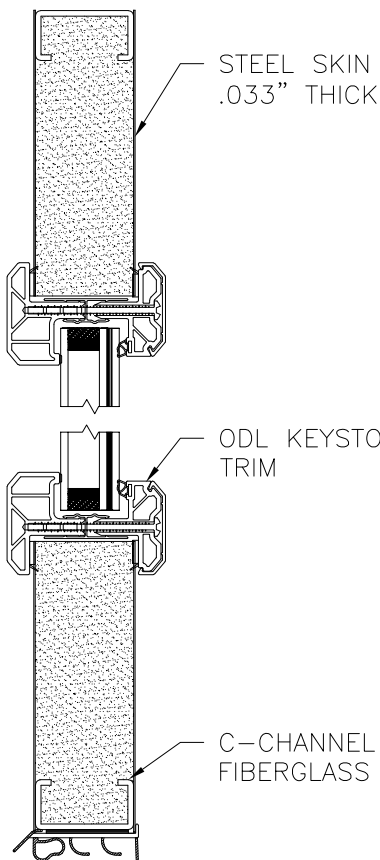
PANEL OPTION 15



PANEL OPTION 16



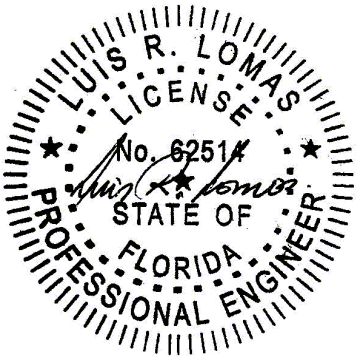
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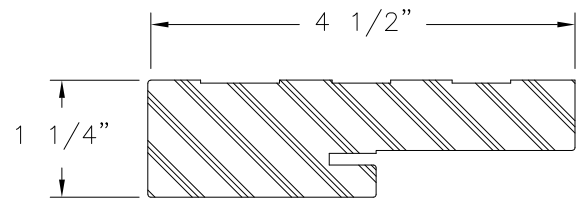
PANEL OPTION 18

SIGNED: 08/27/2024

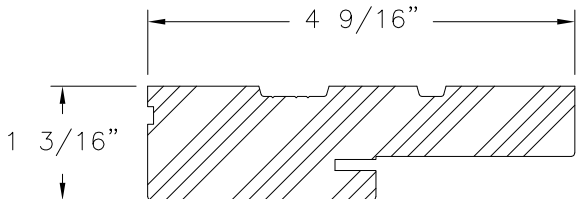
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL INSWING GLAZED DOUBLE DOOR W/SIDELITE & TRANSOM - IMPACT APPROVED SLABS		
DRAWN: J.L.	DWG NO. 08-01968	REV J
SCALE NTS	DATE 04/23/13	SHEET 16 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



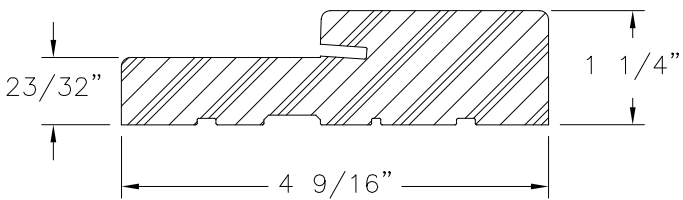
Luis R. Lomas P.E.
FL No.: 62514



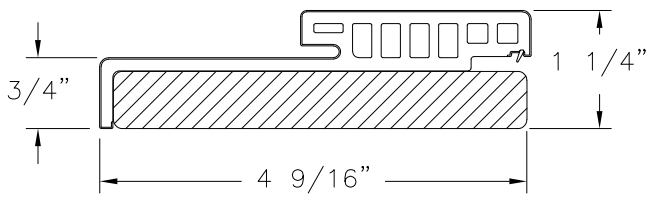
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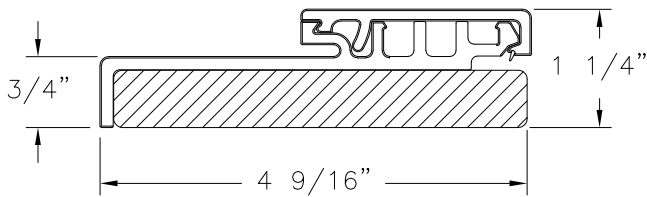
WOOD FRAME PROFILE



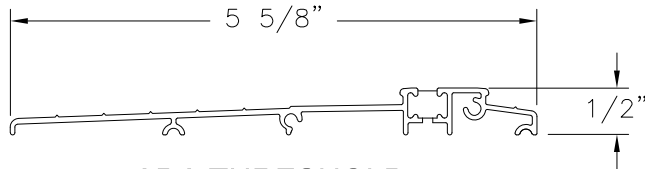
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COMPOSITE



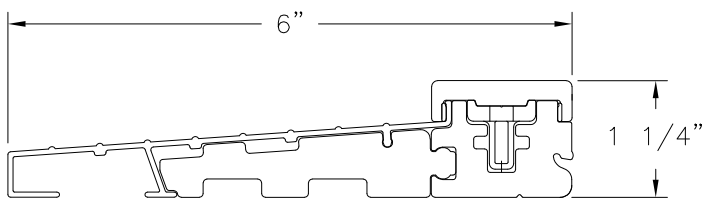
HYBRID HEAD
WOOD/COMPOSITE



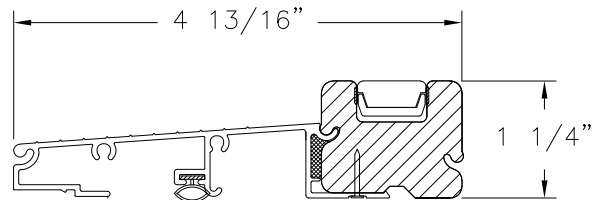
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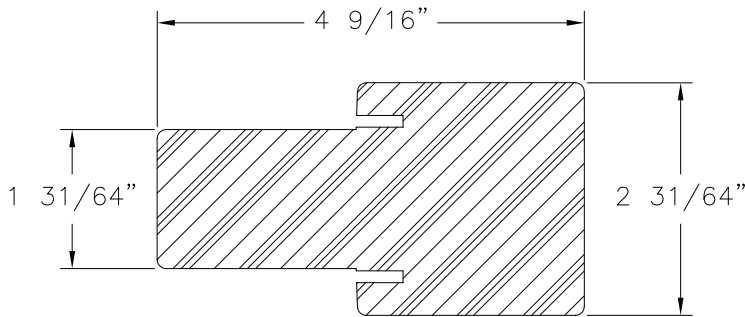
ADA THRESHOLD



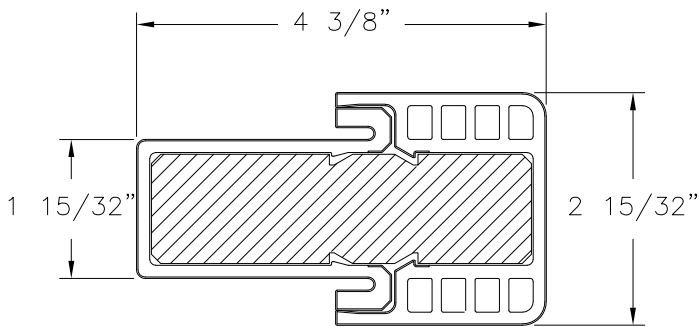
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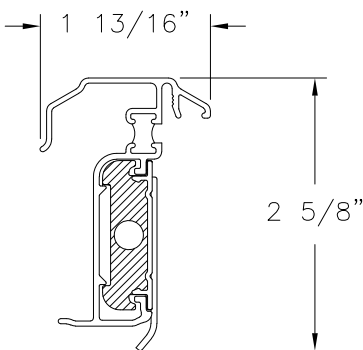
SAHARA INSWING THRESHOLD



FAT BOY MULLION
COMPOSITE

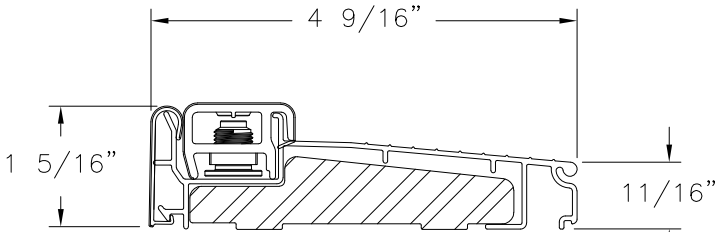


HYBRID FAT BOY MULLION
COMPOSITE

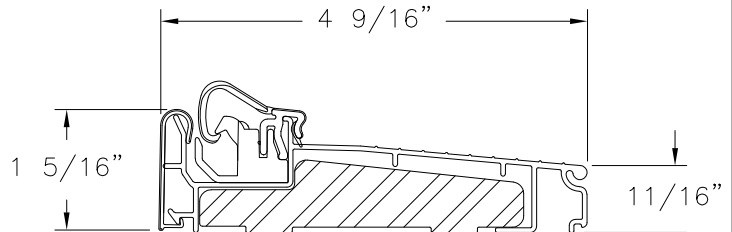


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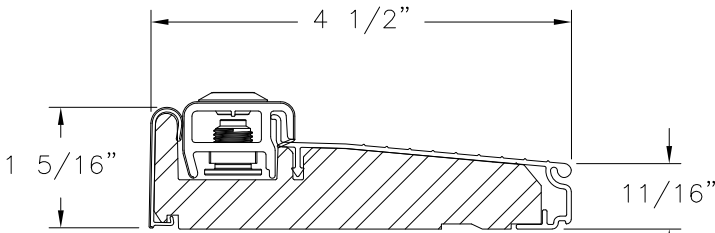
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISE TO ADD ODL KEYSTONE TRIM	08/20/2024	R.L.



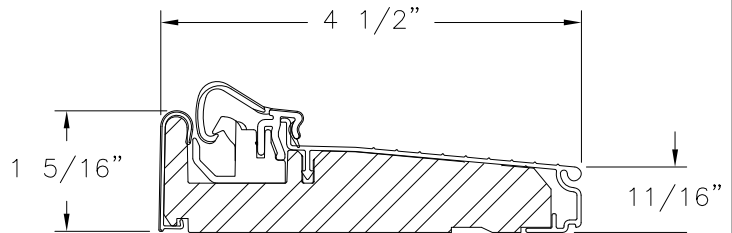
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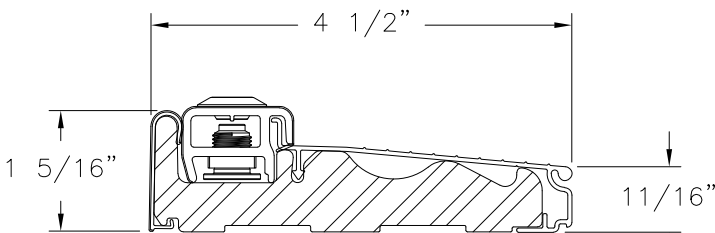
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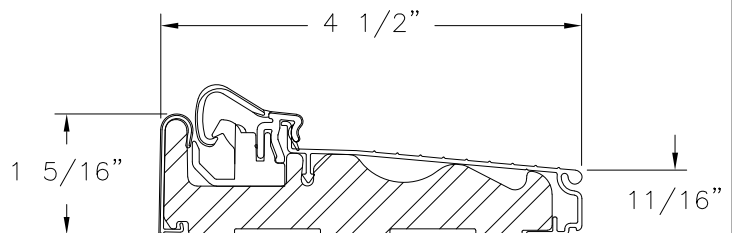
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INSWING SILL ZACLH4565

SIGNED: 08/27/2024

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

STEEL INSWING GLAZED DOUBLE DOOR
W/SIDELITE & TRANSOM – IMPACT
COMPONENTS

DRAWN:
J.L.

DWG NO.
08-01968

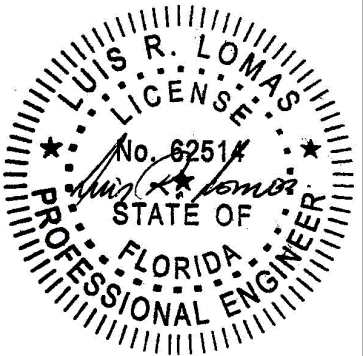
REV
J

SCALE NTS

DATE 04/23/13

SHEET 17 OF 17

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