

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 AND TRANSOM 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 – 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.

SIGNED: 09/09/2026

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

STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-02081

REV
K

SCALE NTS

DATE 06/19/13

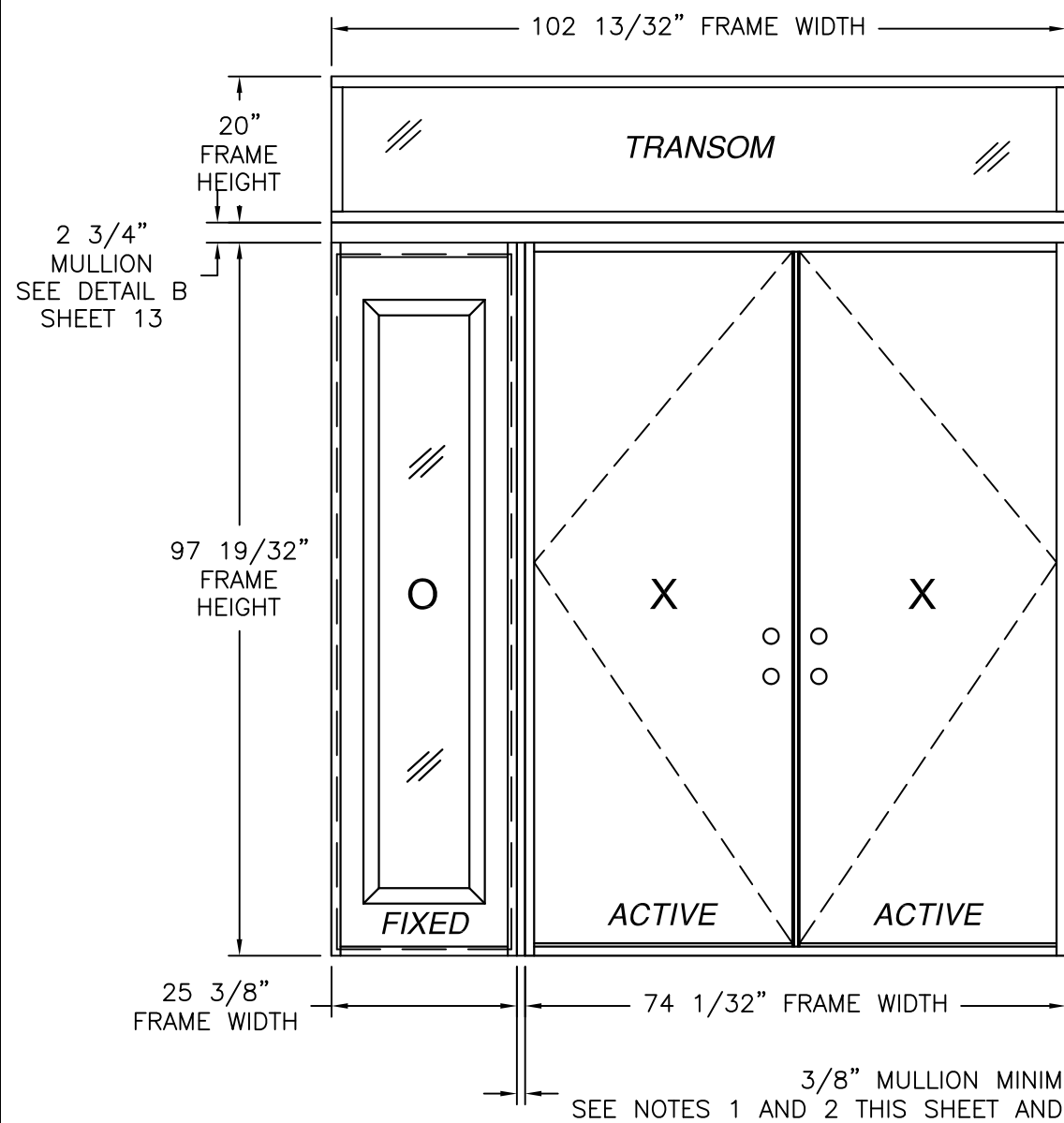
SHEET 1 OF 16

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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

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DOUBLE W/ STD SIDELITE AND TRANSOM

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

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

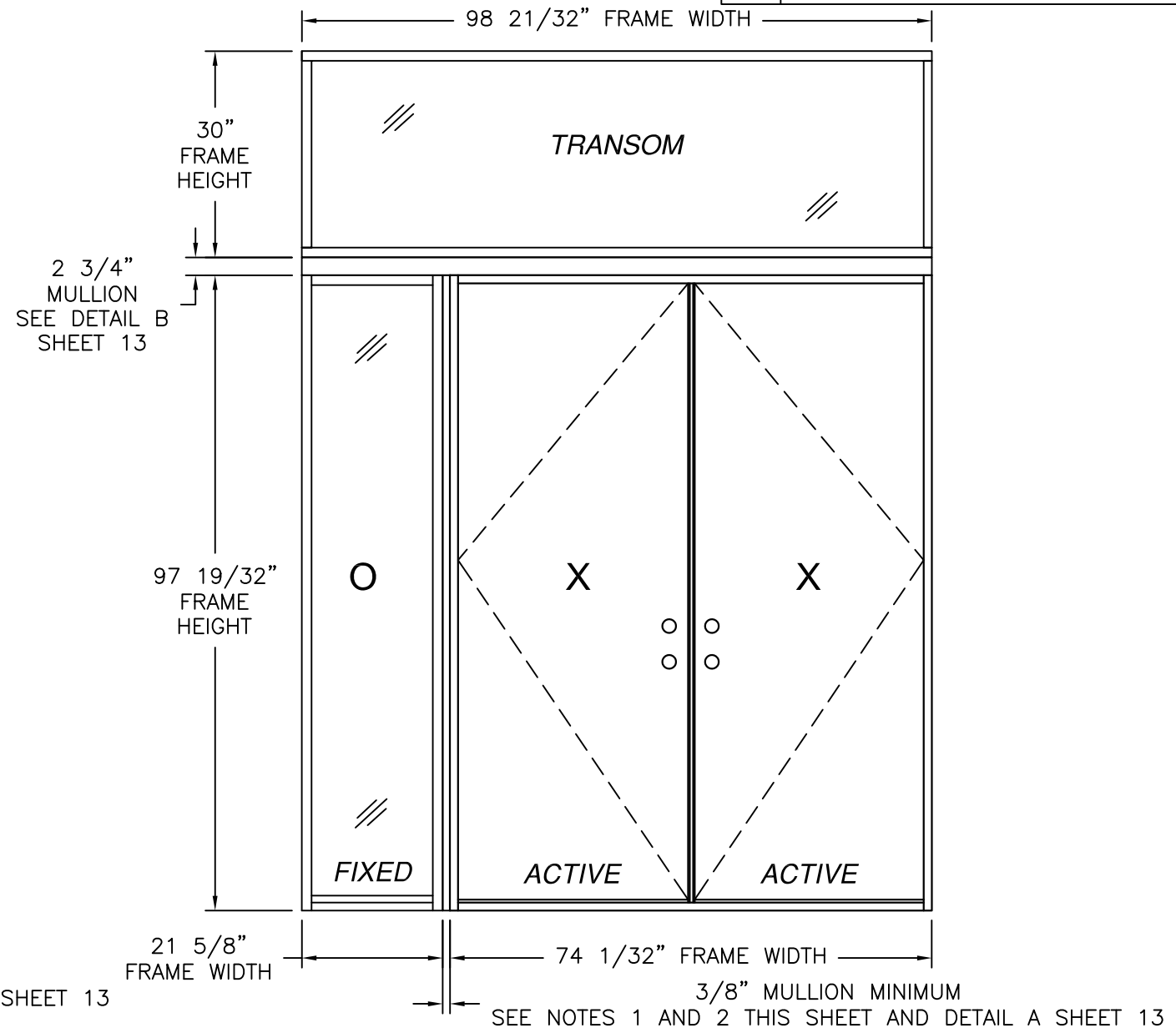
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE
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D.L.O. NOTES:

- 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"
- TRANSOM D.L.O. WIDTH: 127 25/32"
- TRANSOM D.L.O. HEIGHT: 27"

NOTES:

- MAXIMUM ALLOWED BUILDUP TO BE 3"
AT VERTICAL MULLION.
- IF SIDELITE WIDTH IS 16" OR LESS NO
VERTICAL MULLION IS REQUIRED.



DOUBLE W/ DIRECT SET SIDELITE AND TRANSOM

EXTERIOR VIEW

OXX SHOWN XXO ALSO APPROVED

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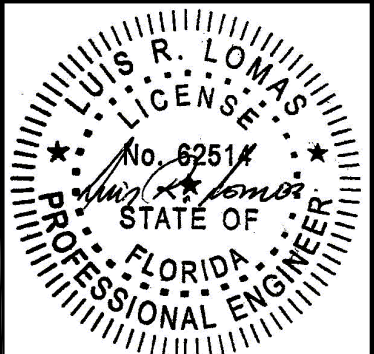
PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

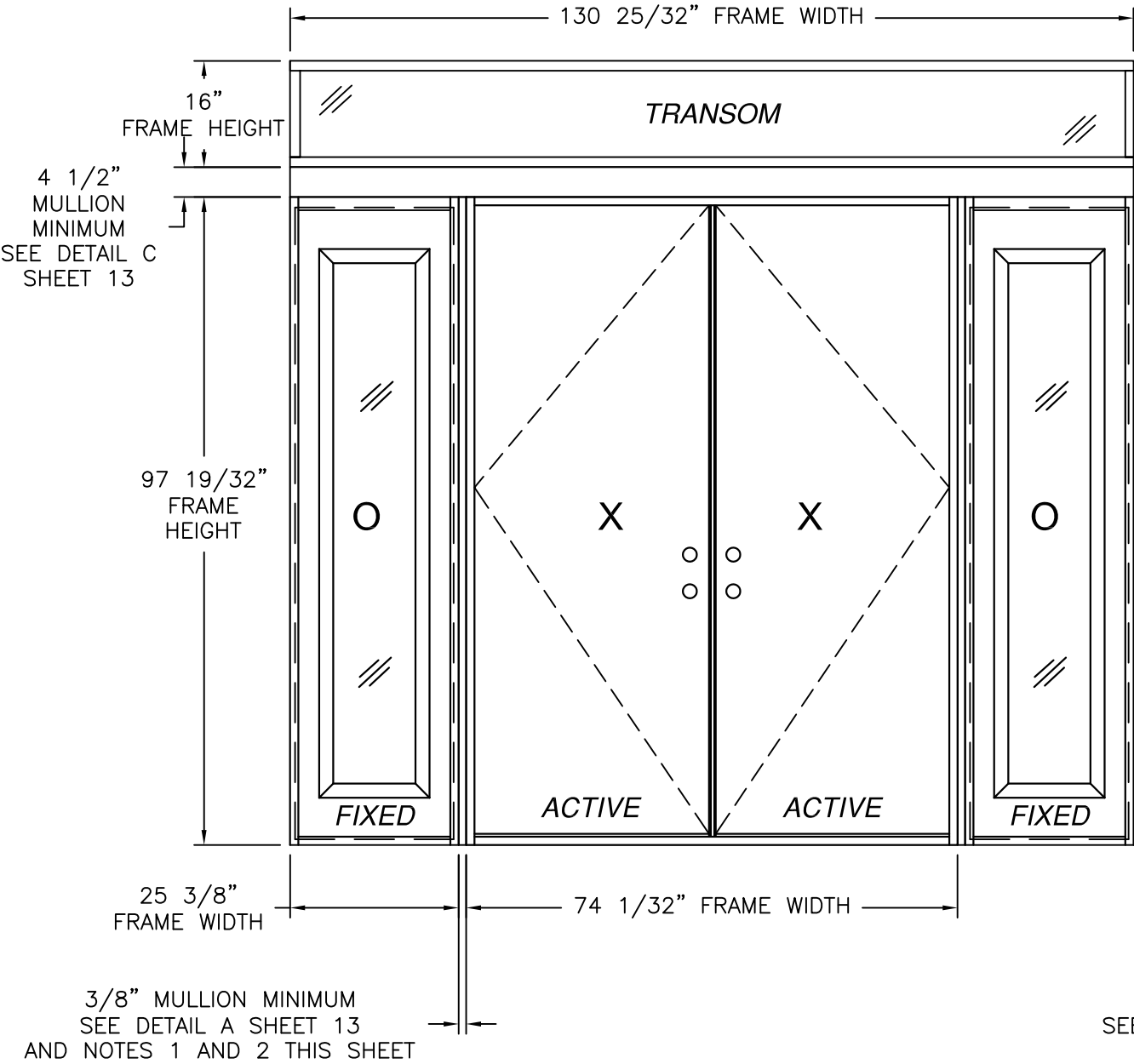
DRAWN: V.L.	DWG NO. 08-02081	REV K
SCALE NTS	DATE 06/19/13	SHEET 2 OF 16

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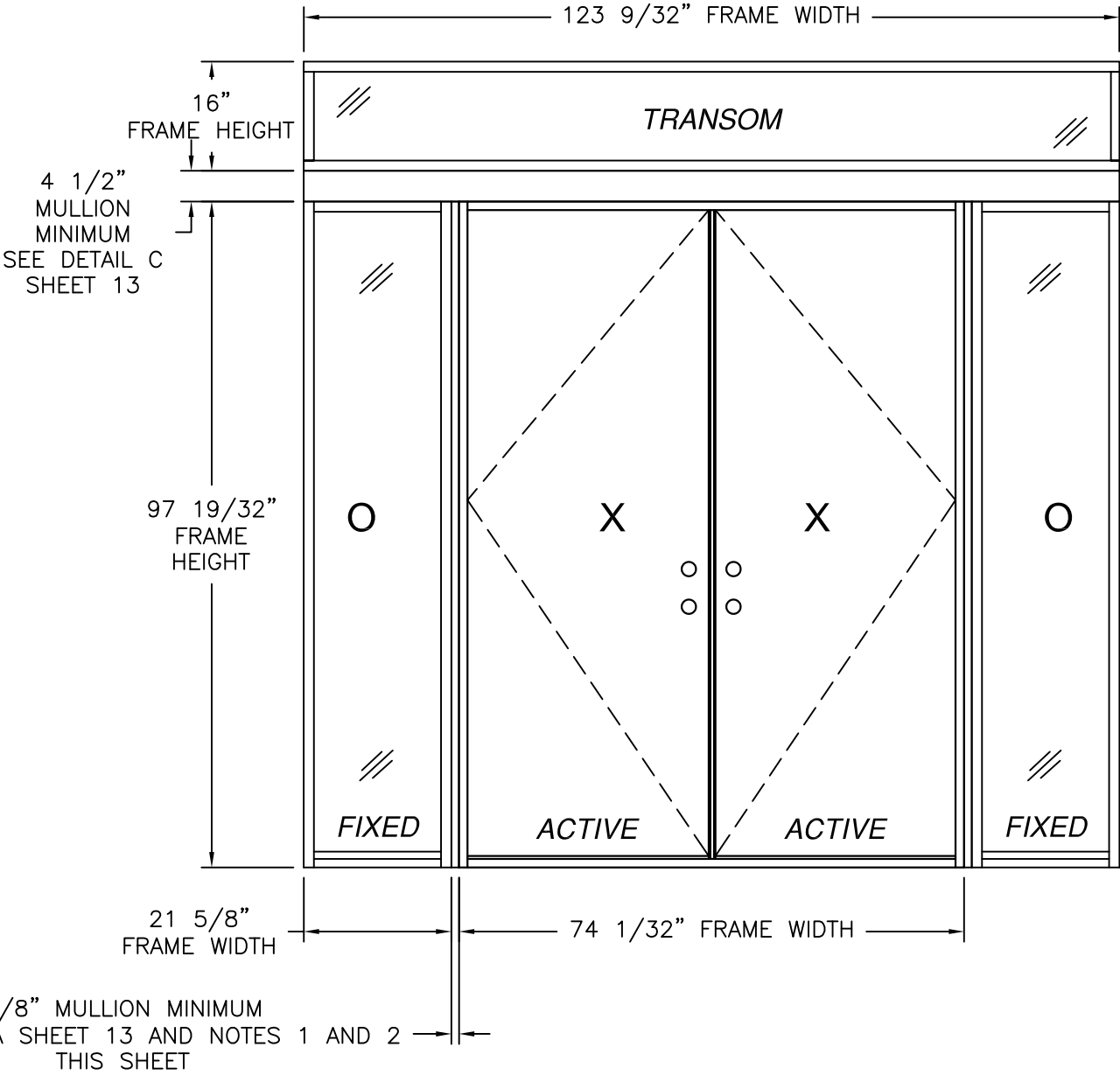


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EXTERIOR VIEW



DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

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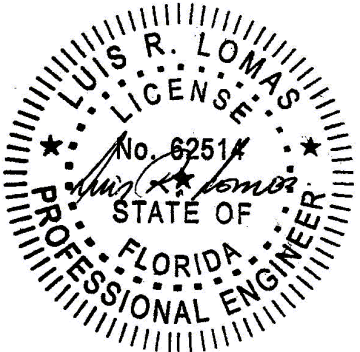
DESIGN PRESSURE RATING	IMPACT RATING
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WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE
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- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 3" AT VERTICAL MULLION.
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.

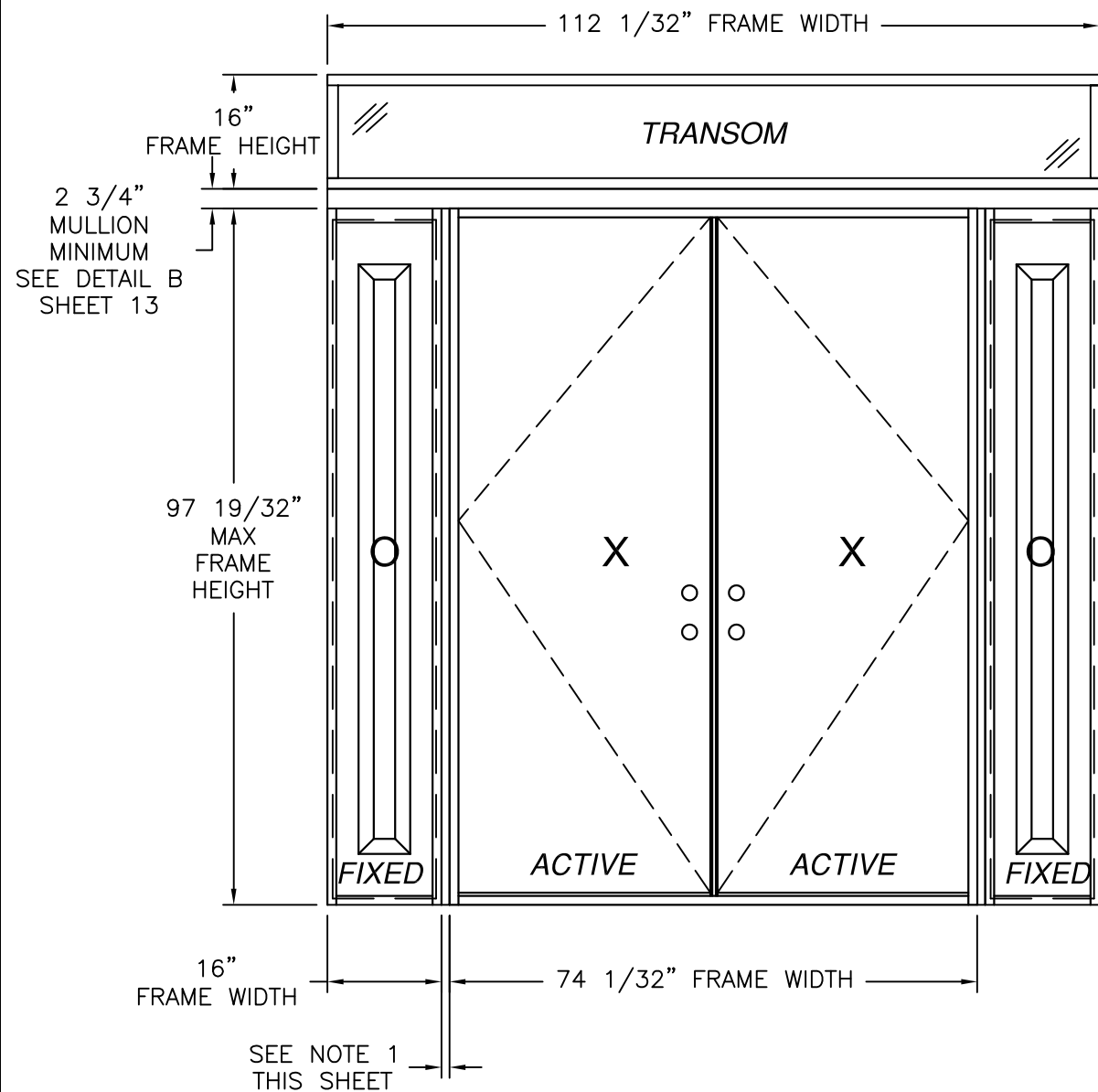
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT ELEVATIONS		
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SCALE NTS	DATE 06/19/13	SHEET 3 OF 16
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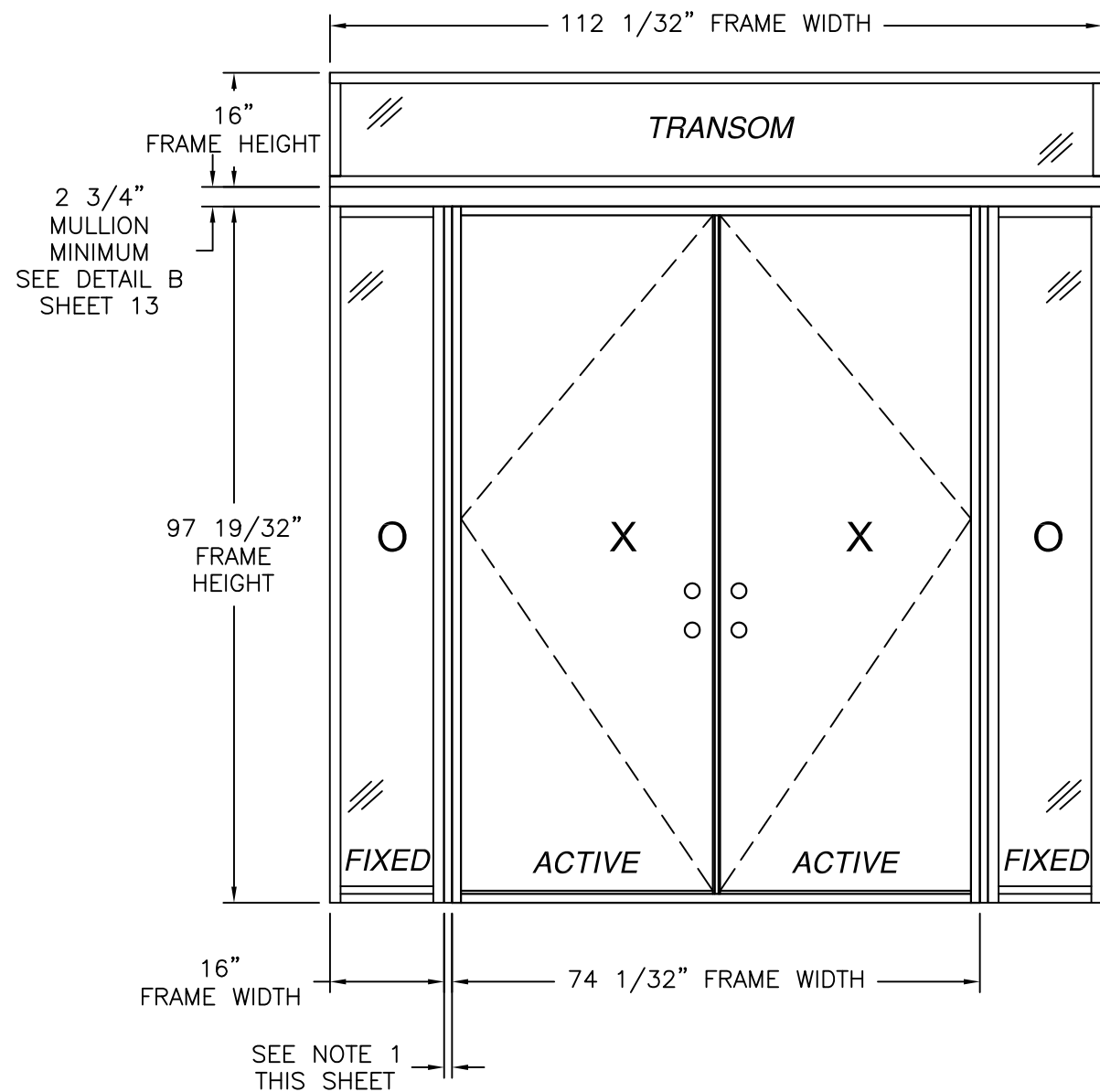


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DOUBLE W/ STD SIDELITES AND TRANSOM
EXTERIOR VIEW



DOUBLE W/ DIRECT SET SIDELITES AND TRANSOM
EXTERIOR VIEW

- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 3" AT VERTICAL MULLION.

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)

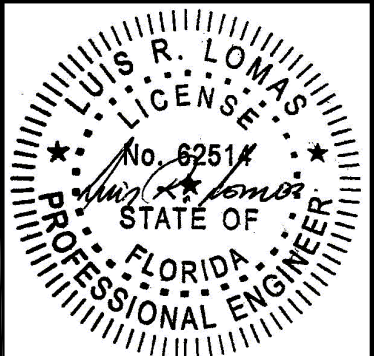
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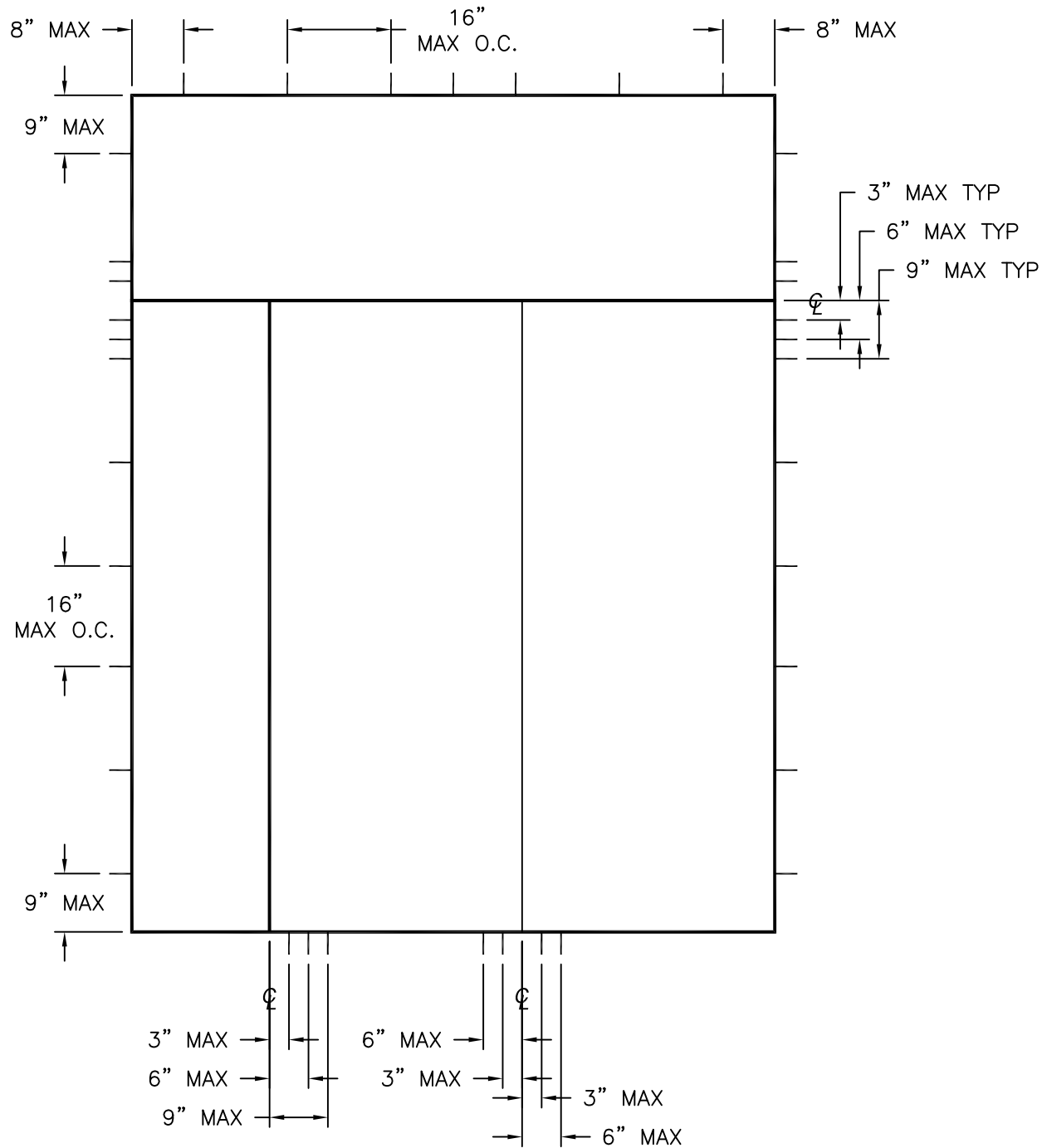
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02081	REV K
SCALE NTS	DATE 06/19/13	SHEET 4 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

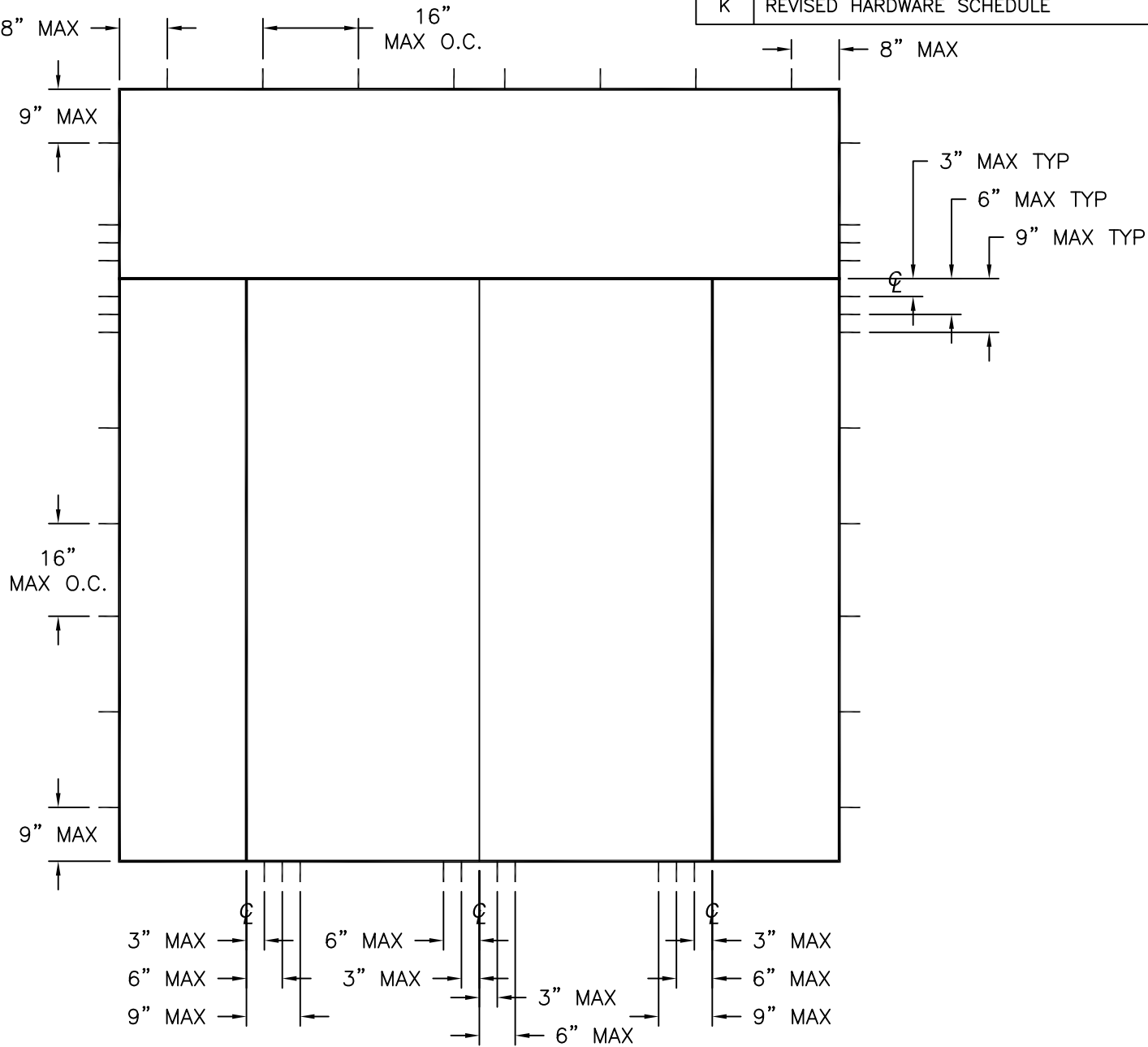
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DOUBLE W/SIDELITE AND TRANSOM
ANCHORING LAYOUT



DOUBLE W/SIDELITES AND TRANSOM
ANCHORING LAYOUT

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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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ANCHORING LAYOUTS

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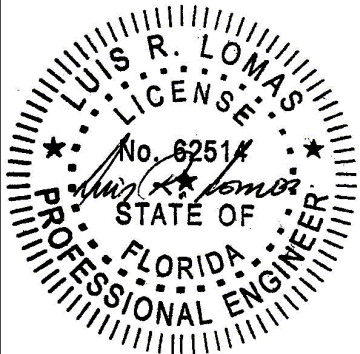
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NTS

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SHEET
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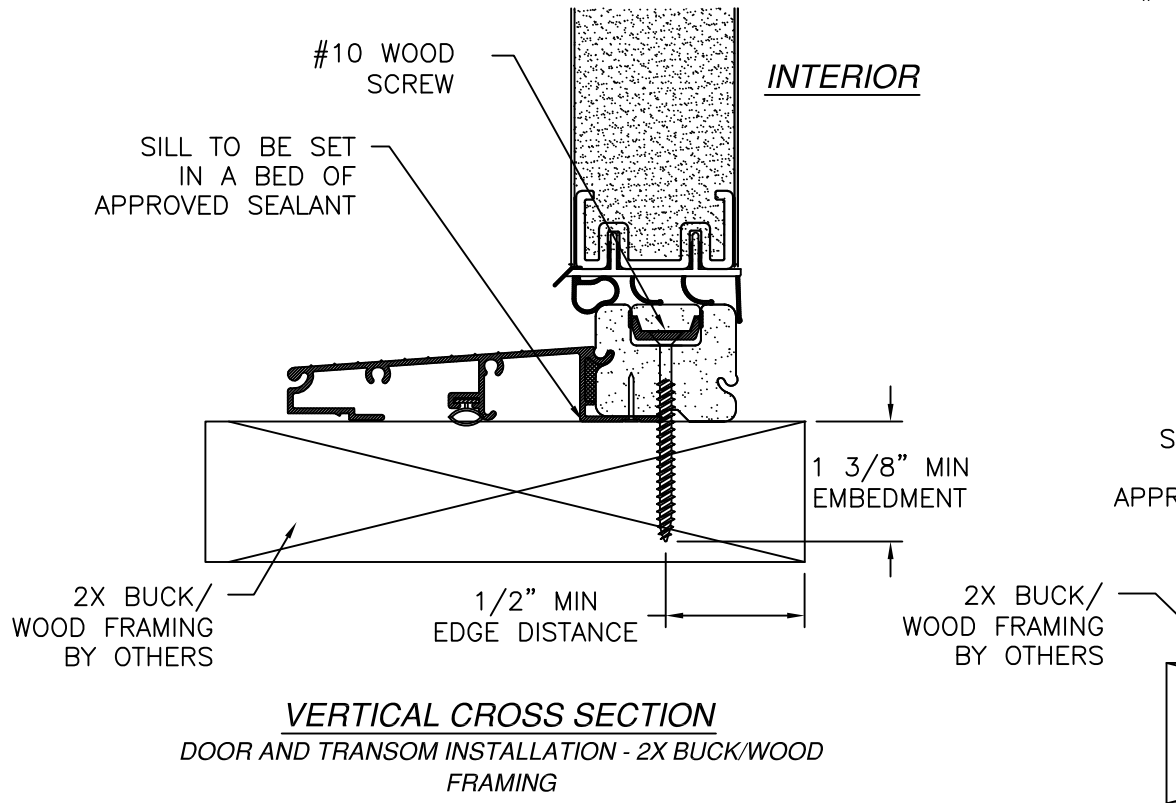
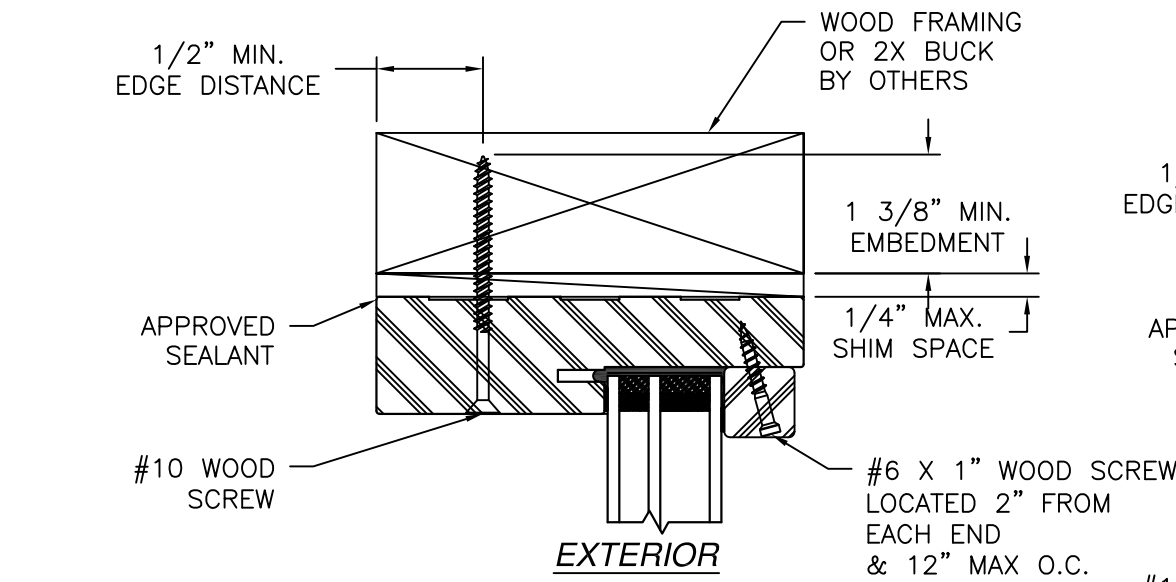
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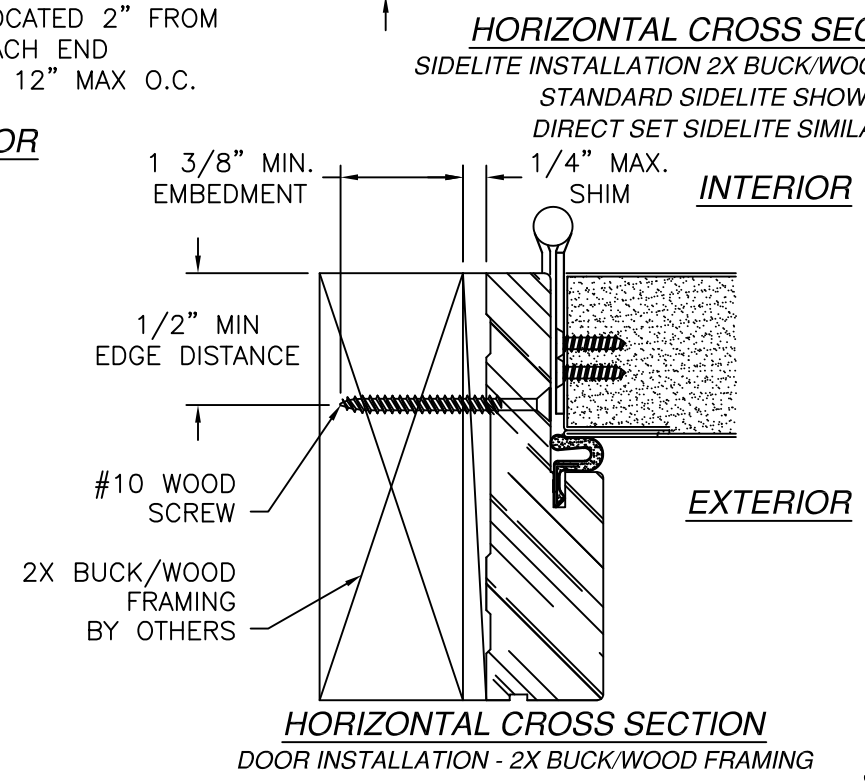
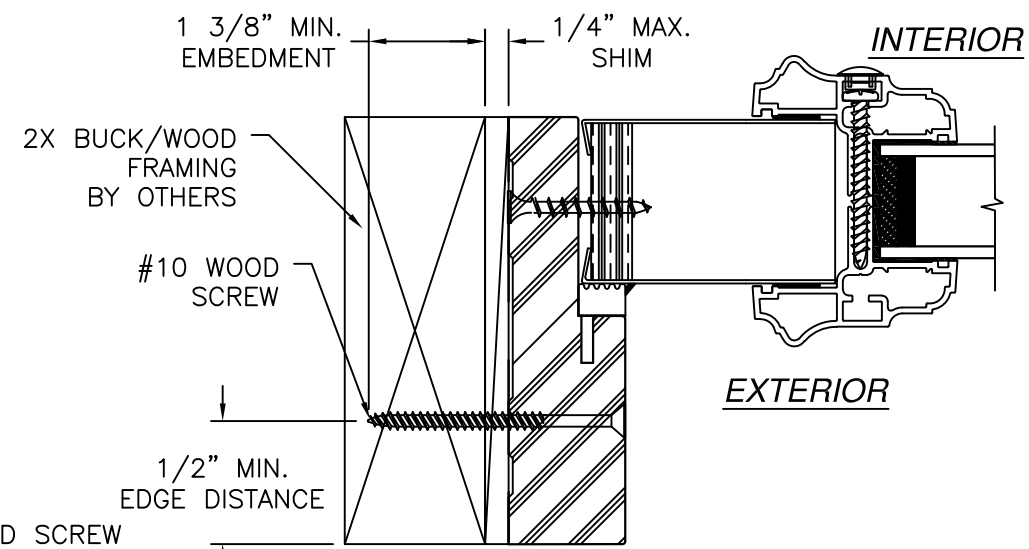
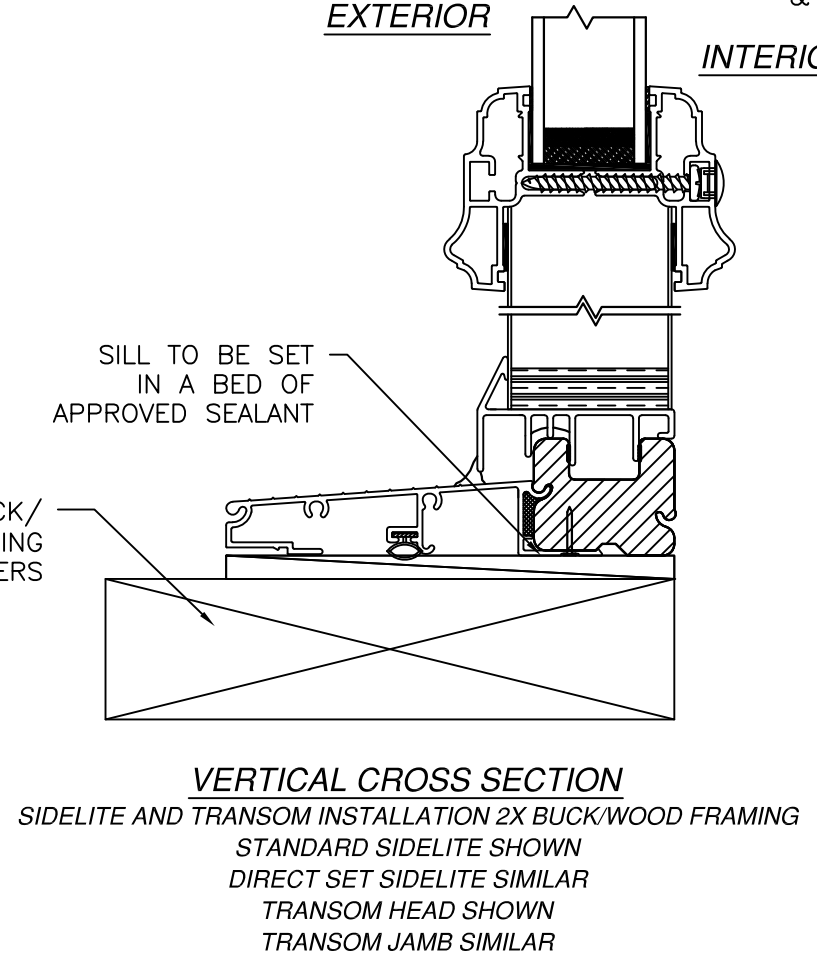
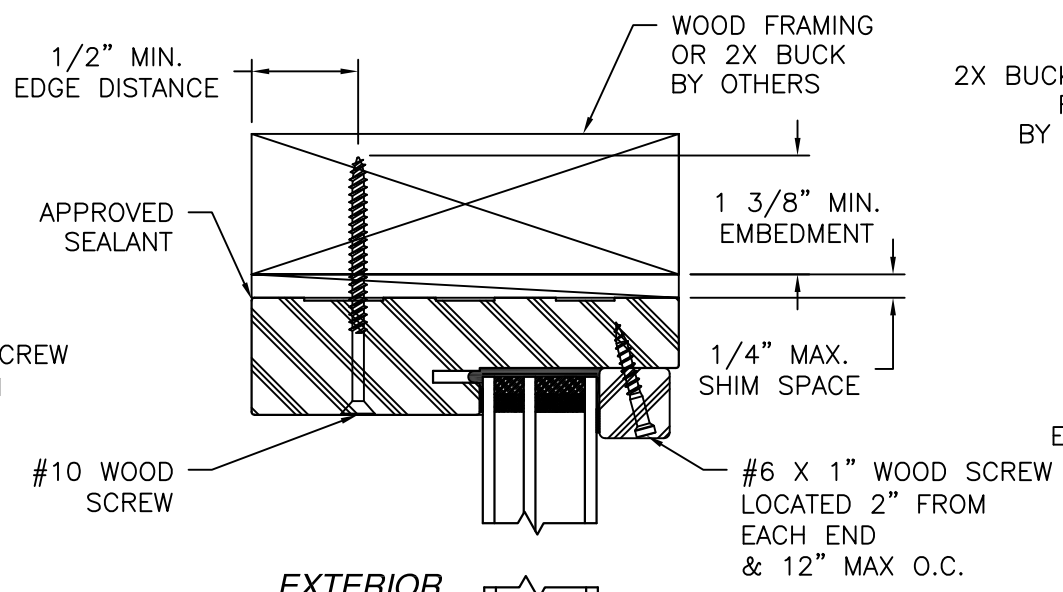


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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



PROVIA, LLC.

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SUGARCREEK, OH 44681

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

DRAWN: V.L.

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SHEET 6 OF 16

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No. 62514

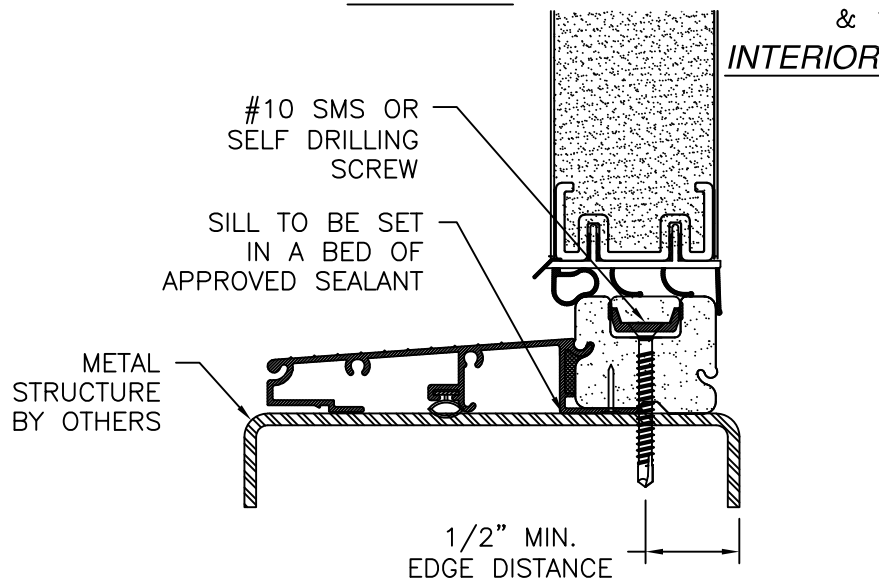
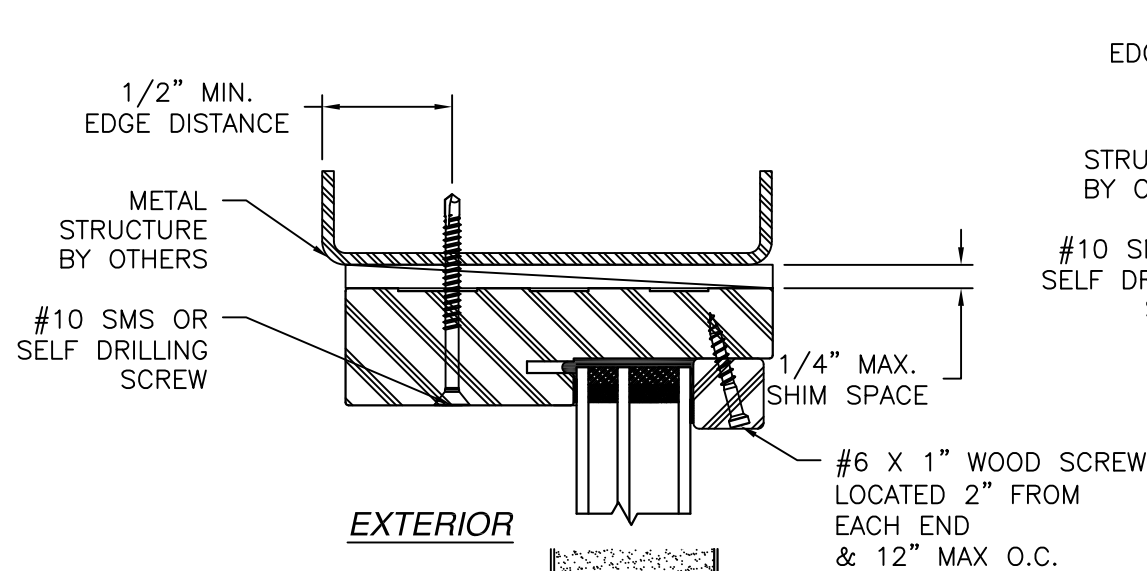
STATE OF FLORIDA

PROFESSIONAL ENGINEER

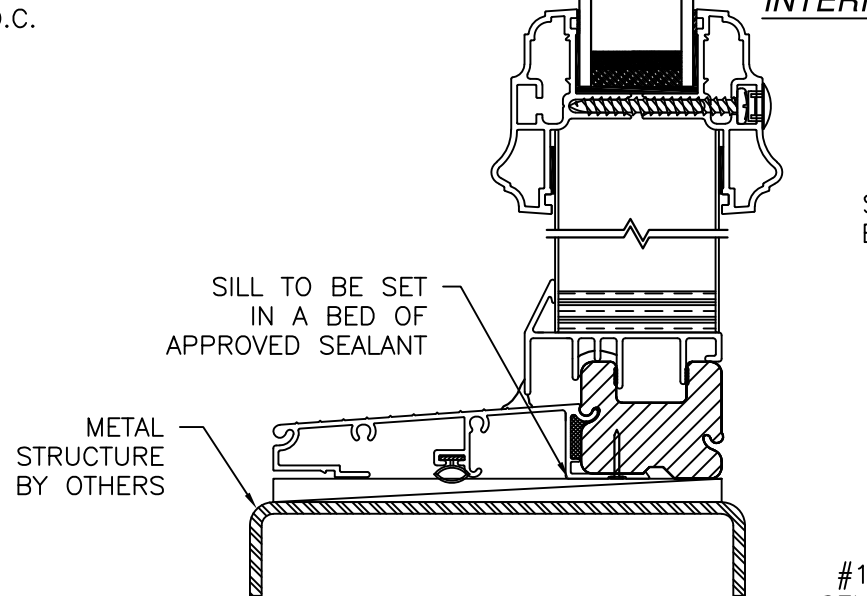
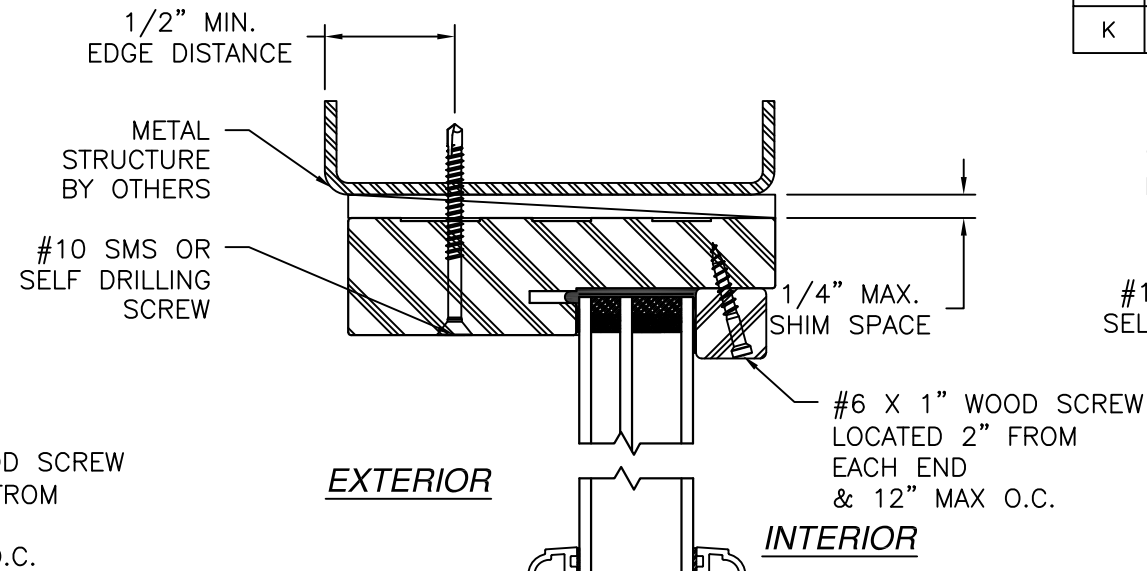
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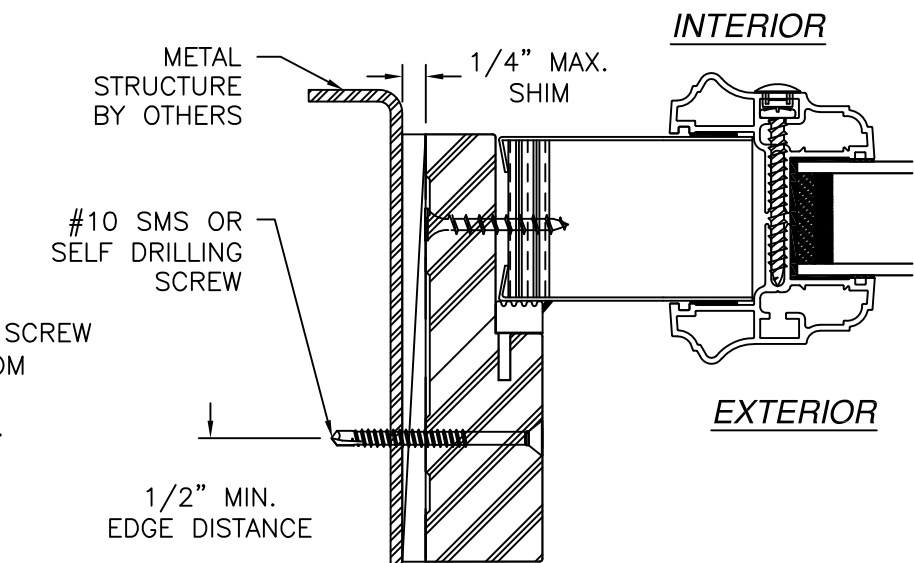
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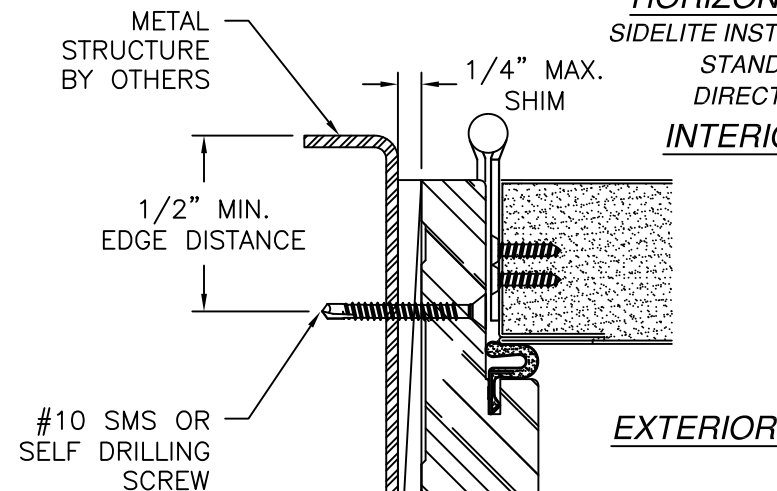
VERTICAL CROSS SECTION
DOOR AND TRANSOM INSTALLATION METAL STRUCTURE
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR



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
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
INTERIOR

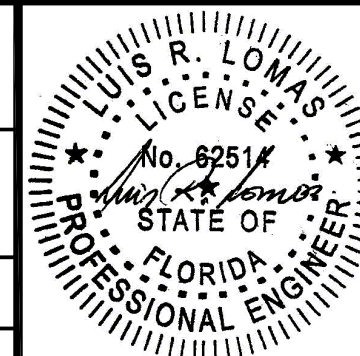


HORIZONTAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE

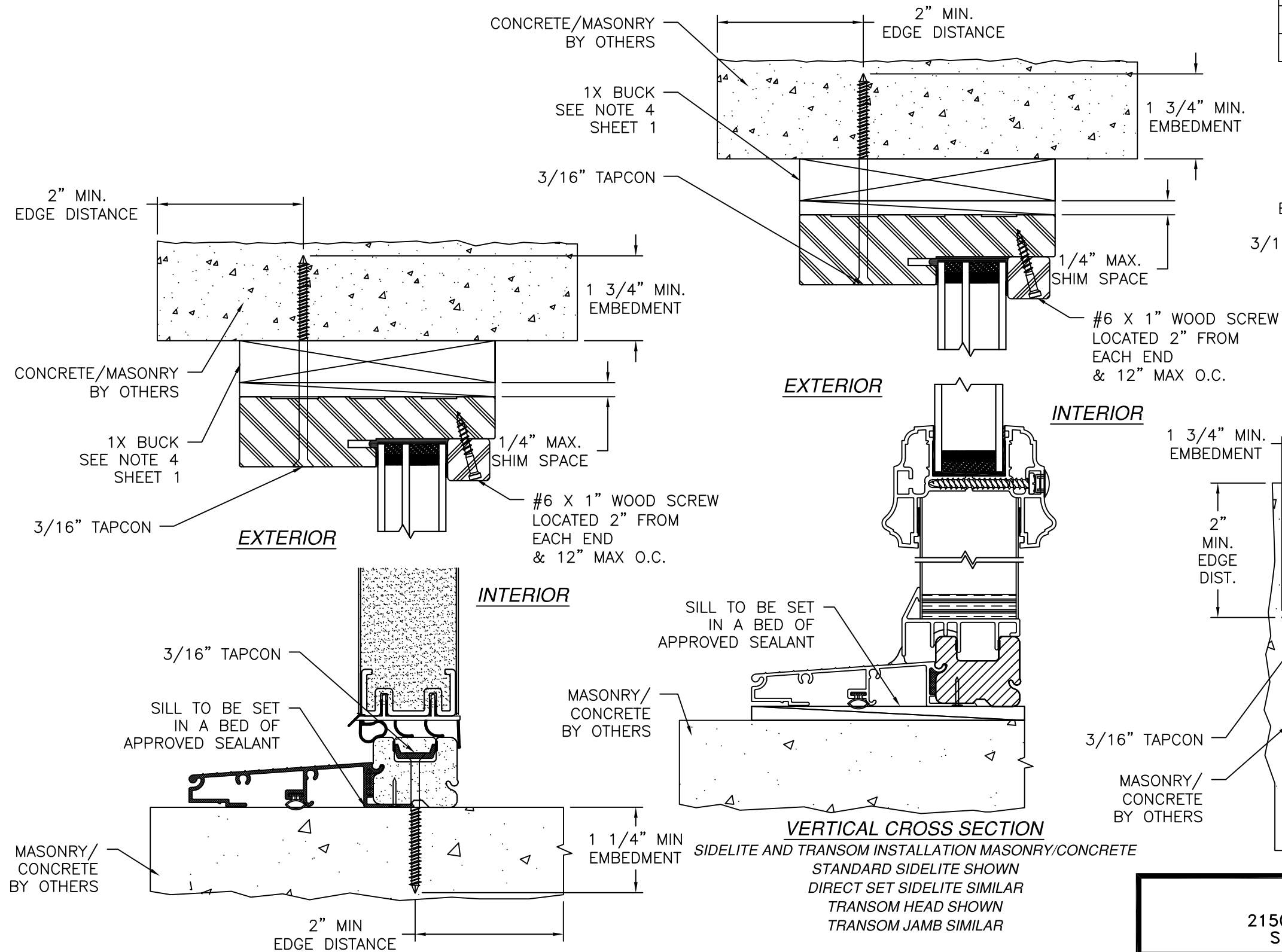
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DRAWN: V.L.	DWG NO. 08-02081	REV K
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VERTICAL CROSS SECTION

DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE

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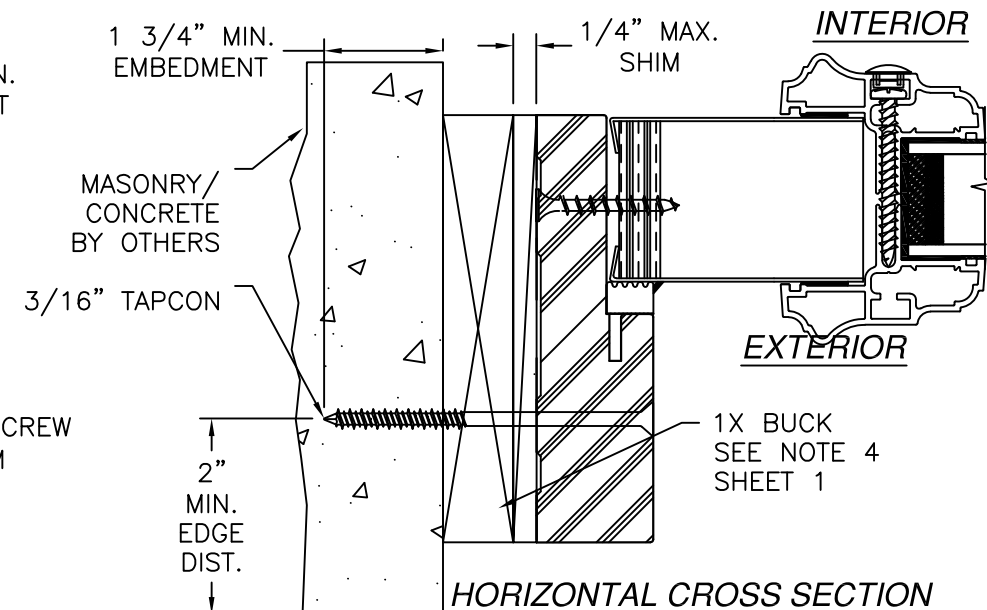
SILL TO BE SET IN A BED OF APPROVED SEALANT

VERTICAL CROSS SECTION

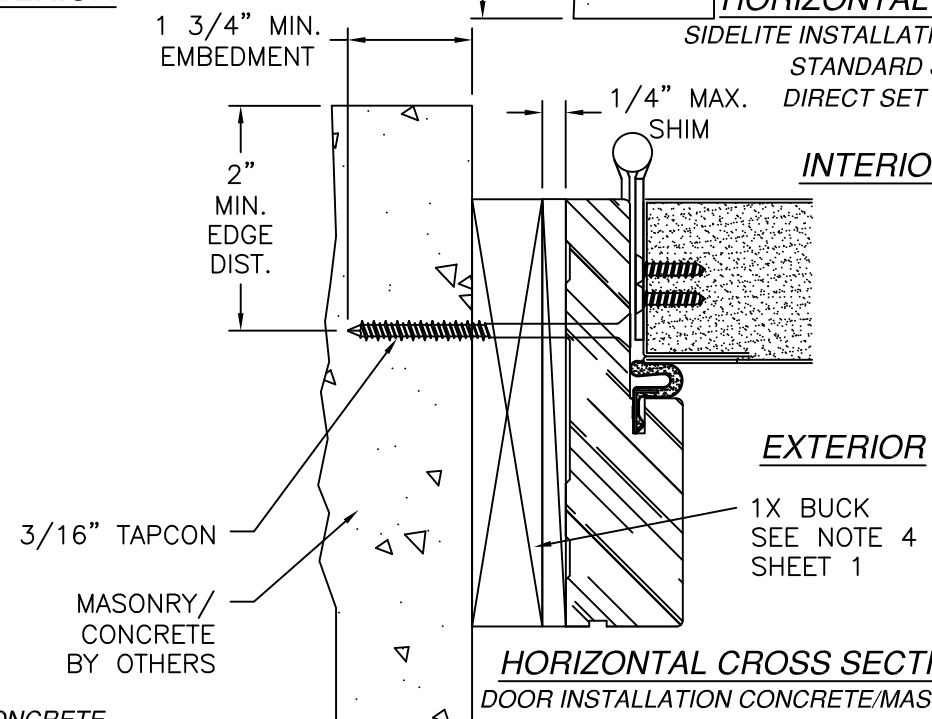
SIDELITE AND TRANSOM INSTALLATION MASONRY/CONCRETE

STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR
TRANSOM HEAD SHOWN
TRANSOM JAMB SIMILAR

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SIDELITE INSTALLATION CONCRETE/MASONRY
STANDARD SIDELITE SHOWN
DIRECT SET SIDELITE SIMILAR



DOOR INSTALLATION CONCRETE/MASONRY

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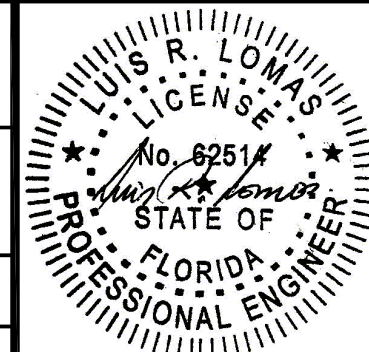
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STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR
W/SIDELITES & TRANSOM NON-IMPACT
INSTALLATION DETAILS

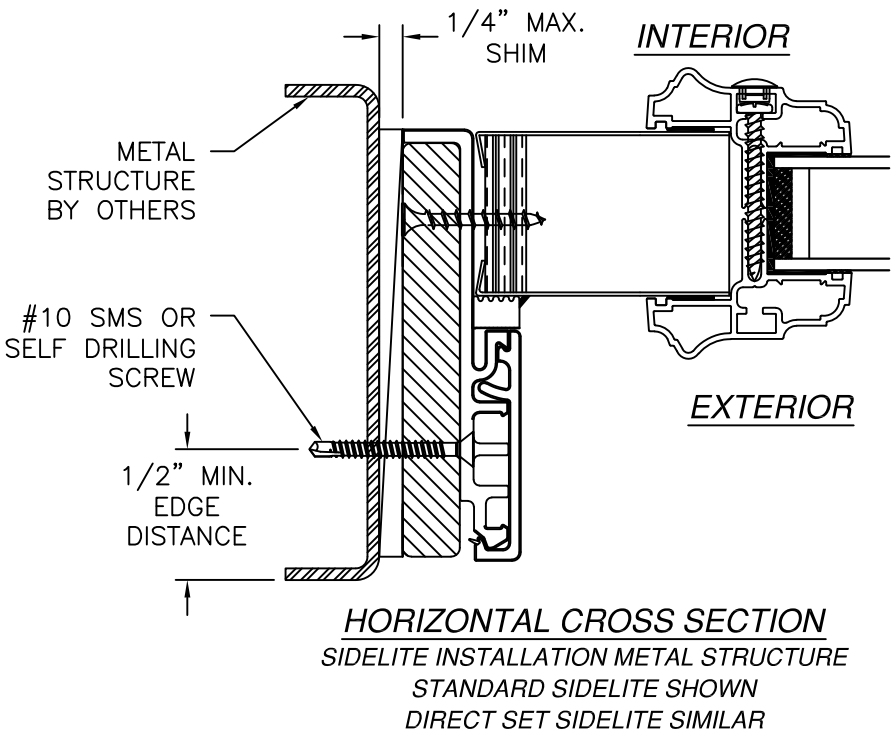
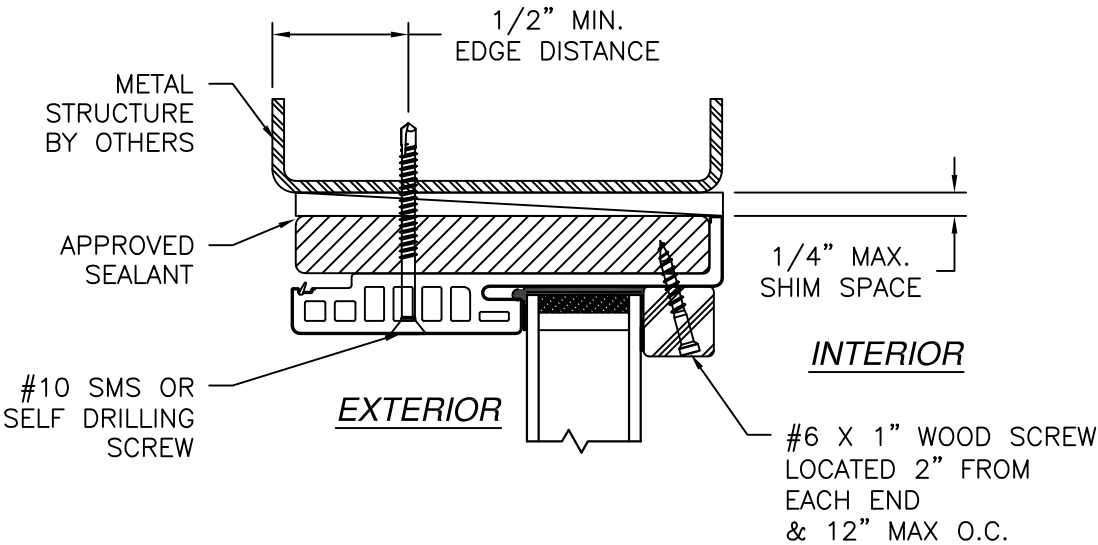
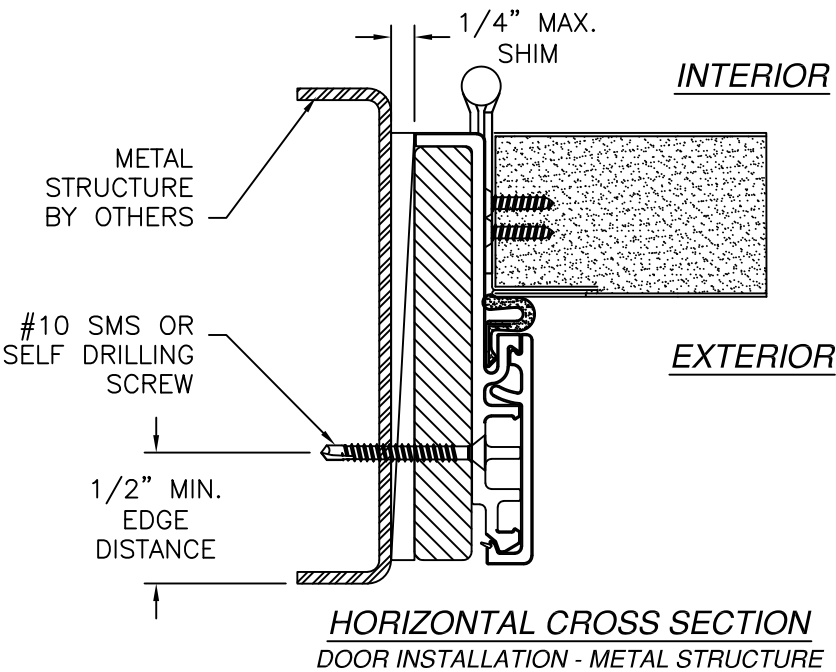
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INSTALLATION DETAILS W/FUSION FRAME

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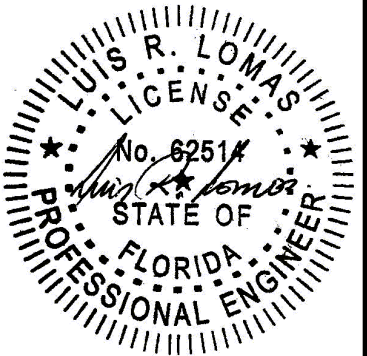
SHEET
10 OF 16

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

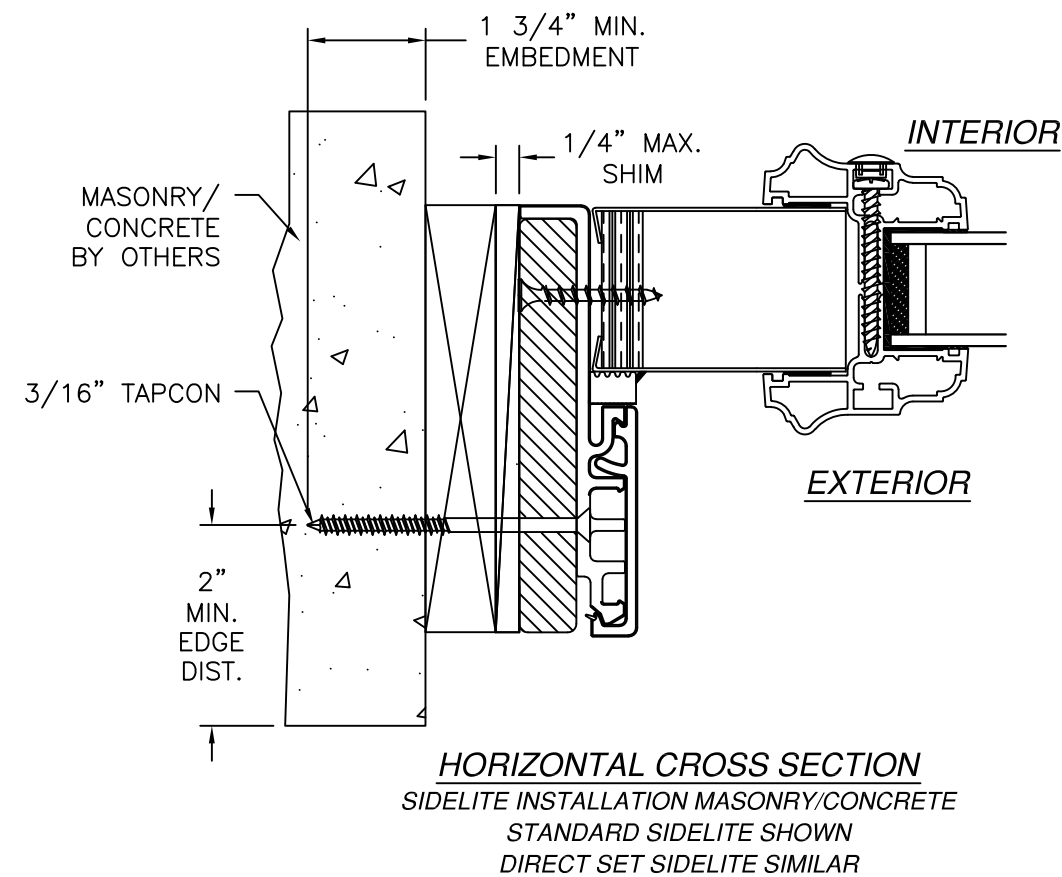
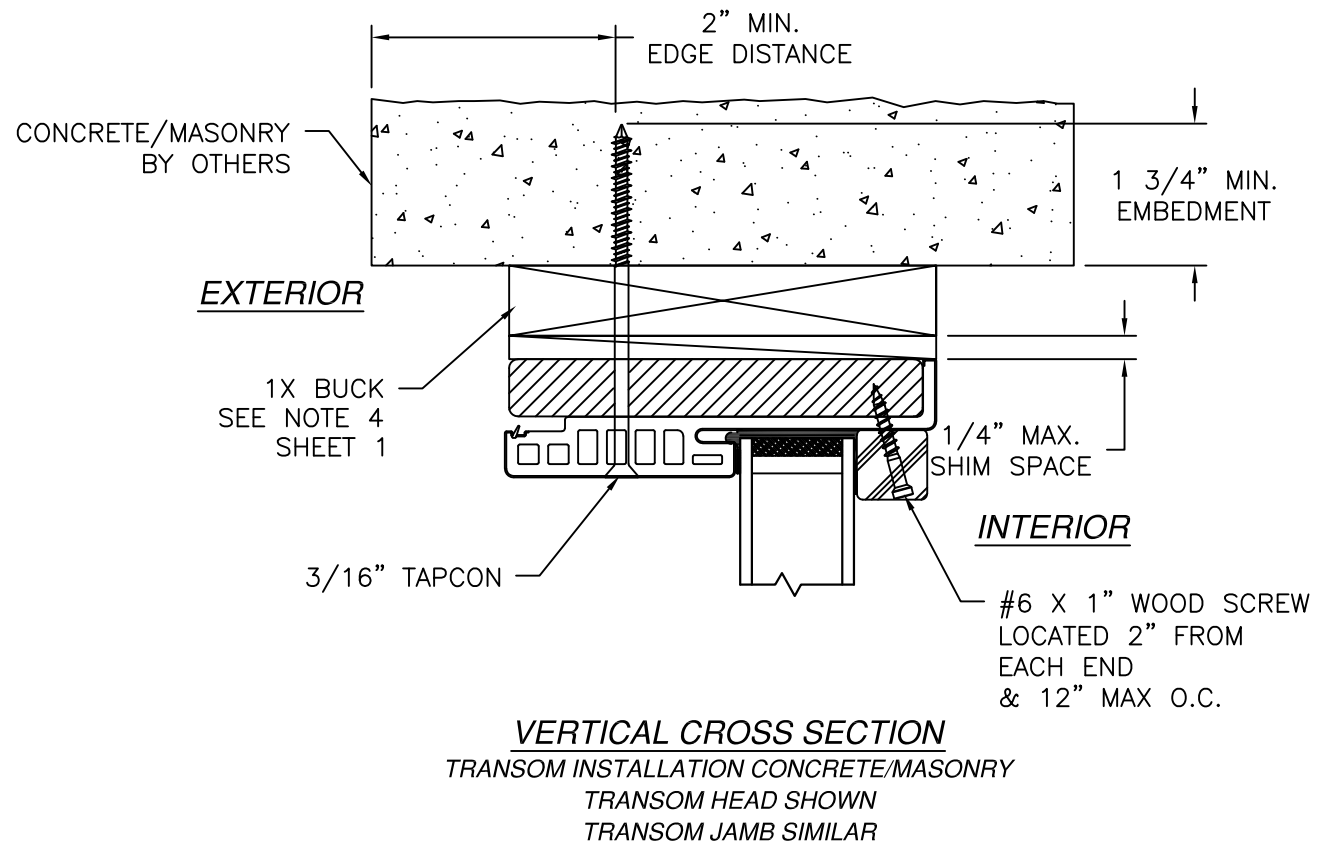
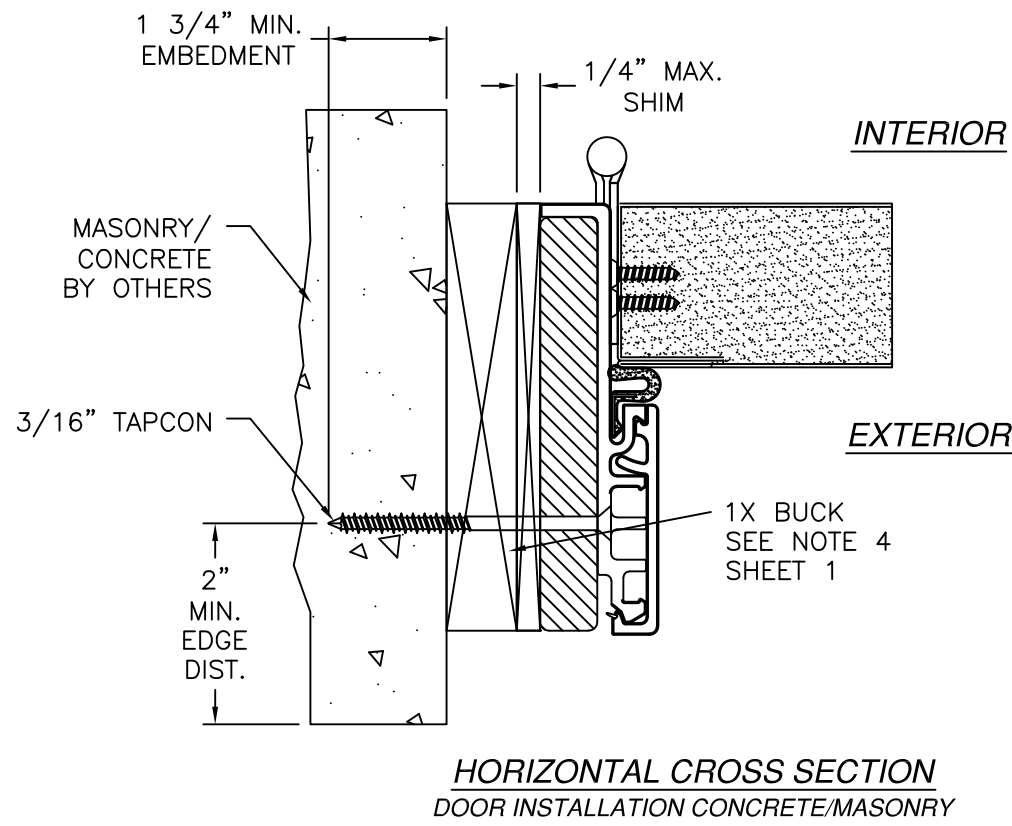
434-688-0609 rllomas@lrlomaspe.com

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

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN:
V.L.

DWG NO.
08-02081

REV
K

SCALE
NTS

DATE
06/19/13

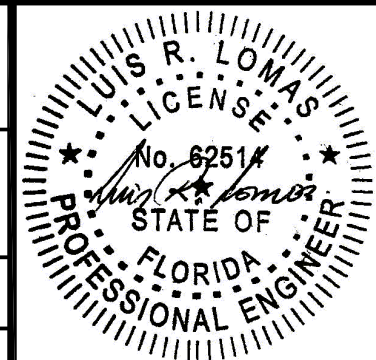
SHEET
11 OF 16

L. ROBERTO LOMAS P.E.

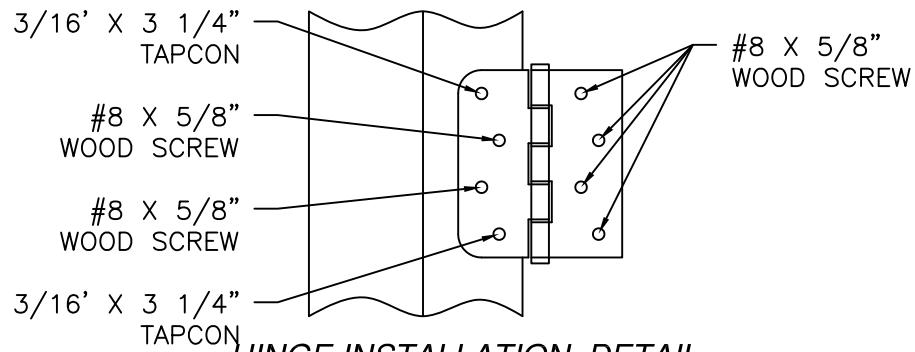
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

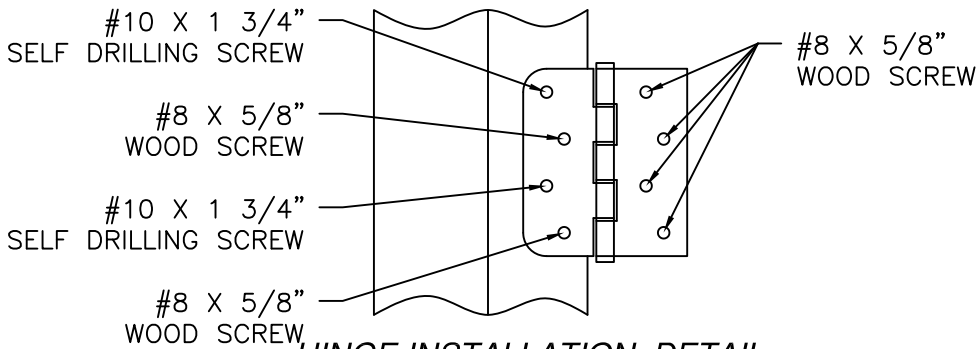
SIGNED: 09/09/2026



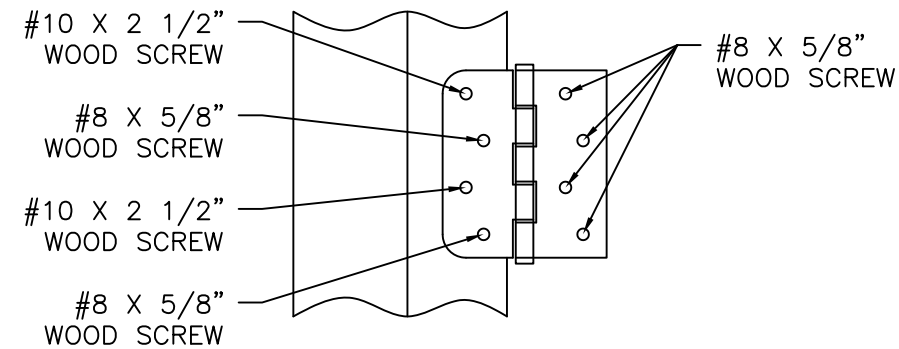
Luis R. Lomas P.E.
FL No.: 62514



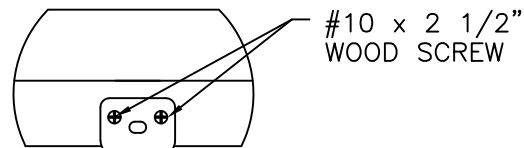
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MASONRY/CONCRETE



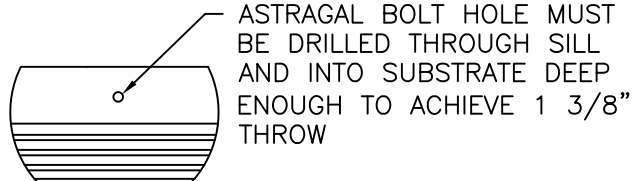
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METAL STRUCTURE



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



ASTRAGAL SILL DETAIL

REVISIONS			
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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 & TRANSOM NON-IMPACT
COMPONENTS DETAILS

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V.L.

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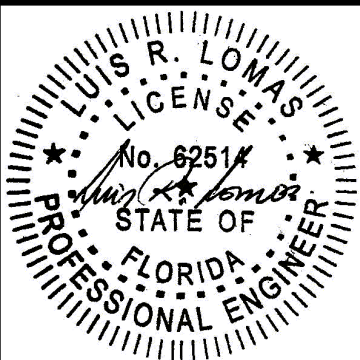
REV
K

SCALE NTS

DATE 06/19/13

SHEET 12 OF 16

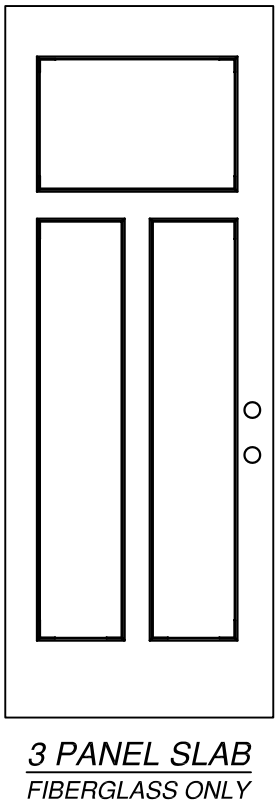
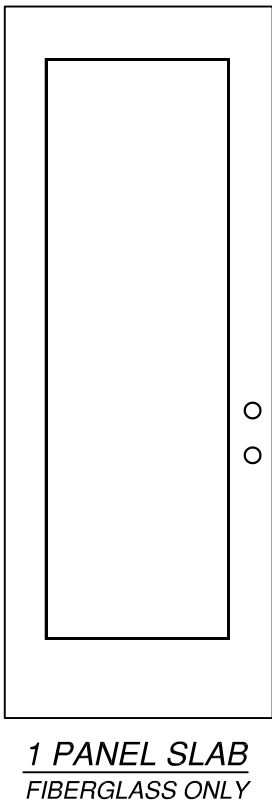
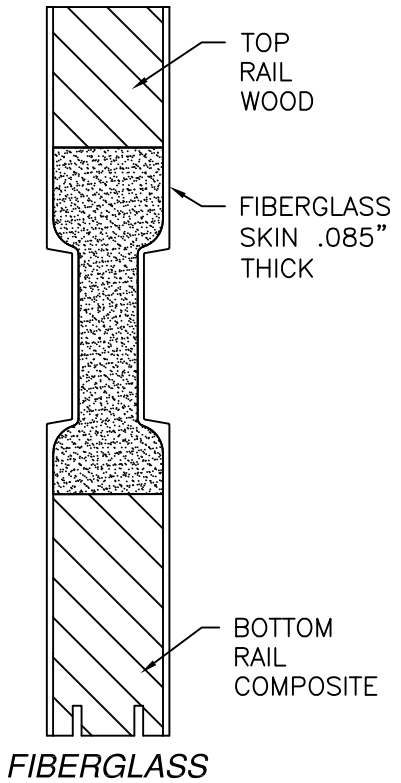
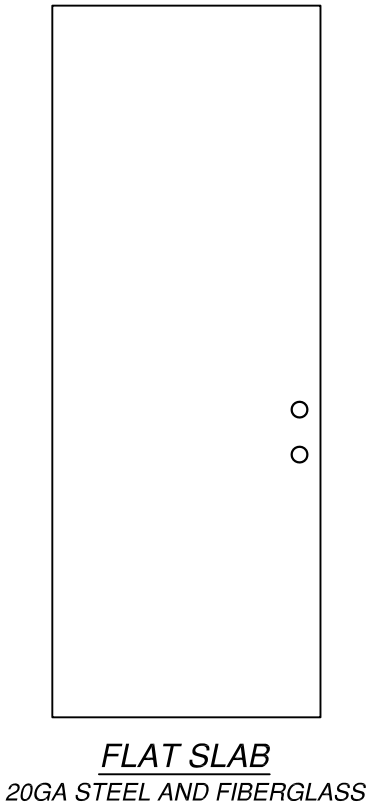
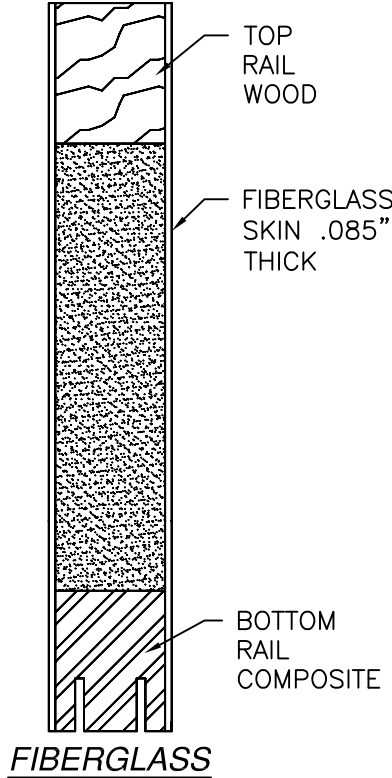
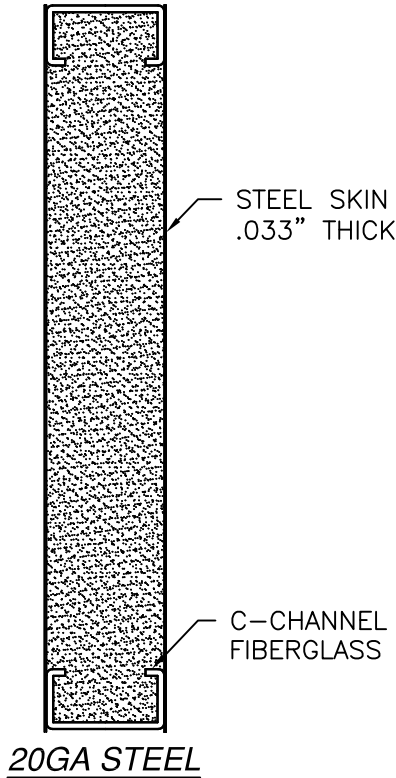
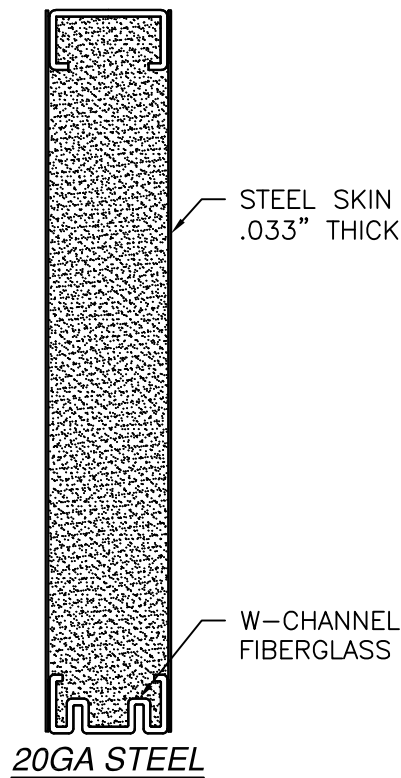
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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

APPROVED DOOR SLABS AND CROSS SECTIONS

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

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08-02081

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K

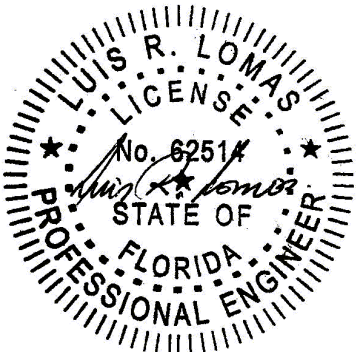
SCALE NTS

DATE 06/19/13

SHEET 13 OF 16

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

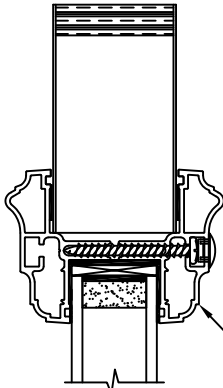
SIGNED: 09/09/2026



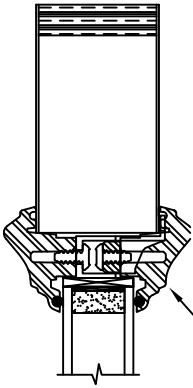
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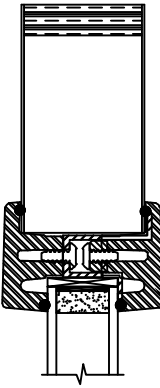
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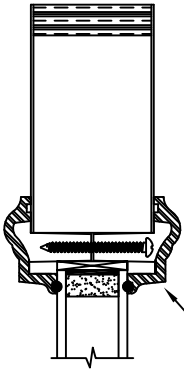
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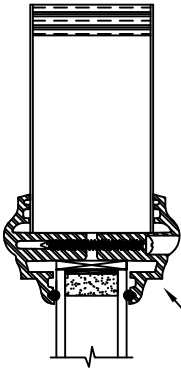
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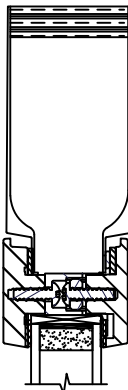
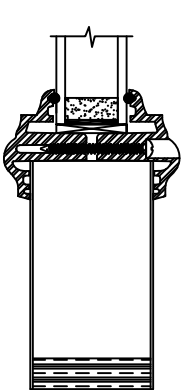
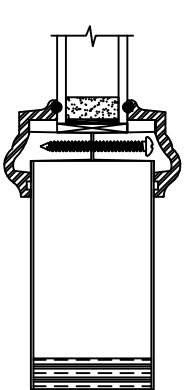
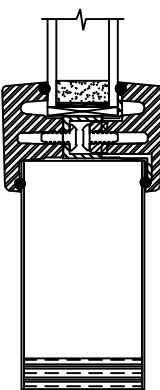
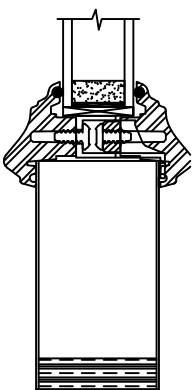
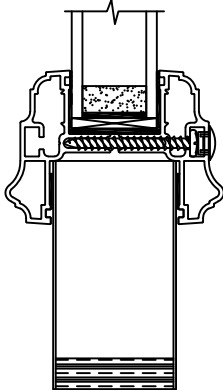
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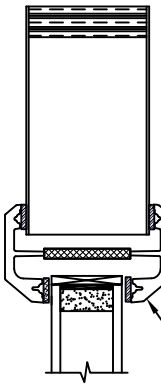
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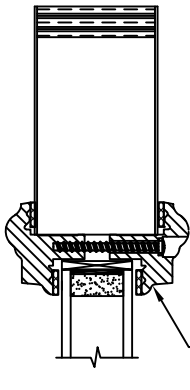
EVOLVE TRIM



SIGNET FIR TRIM



ODL ZEEL TRIM



XLE TRIM

OPTION 1
STANDARD TRIM

OPTION 2
SIGNET TRIM

OPTION 3
SMOOTH TRIM

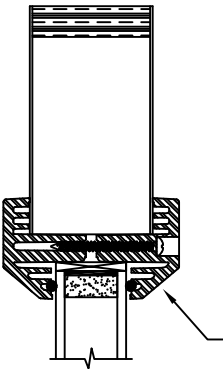
OPTION 4
TRINITY TRIM

OPTION 5
EVOLVE TRIM

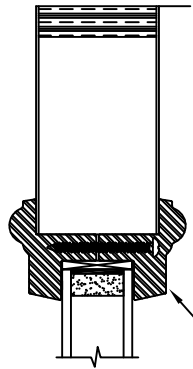
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SIGNET FIR TRIM

OPTION 12
ODL ZEEL TRIM

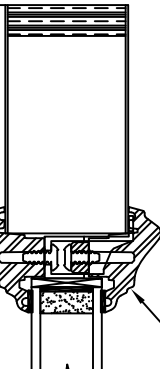
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XLE TRIM



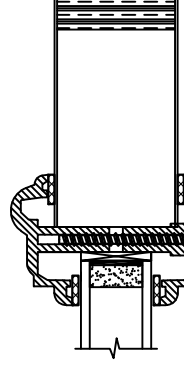
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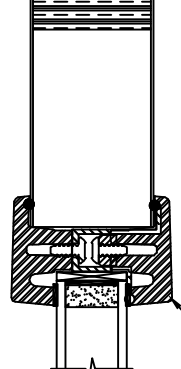
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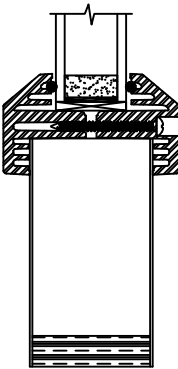
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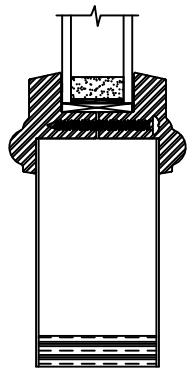
ELTON TRIM



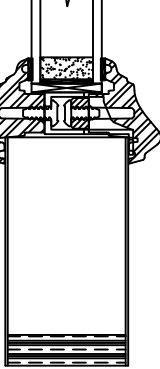
SMOOTH TRIM



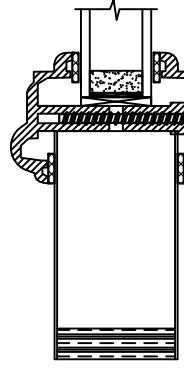
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SPOTLIGHT TRIM



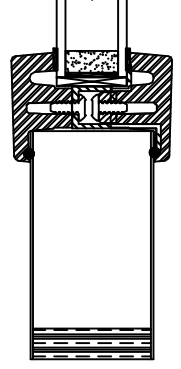
OPTION 7
RSL TRIM



OPTION 8
PLUGLESS TRIM
W/TAPE



OPTION 9
ELTON TRIM



OPTION 10
SMOOTH TRIM
W/TAPE

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

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

DRAWN: V.L.

DWG NO. 08-02081

REV K

SCALE NTS

DATE 06/19/13

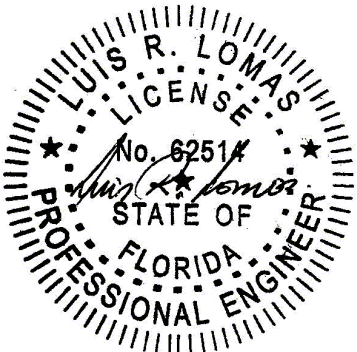
SHEET 14 OF 16

L. ROBERTO LOMAS P.E.

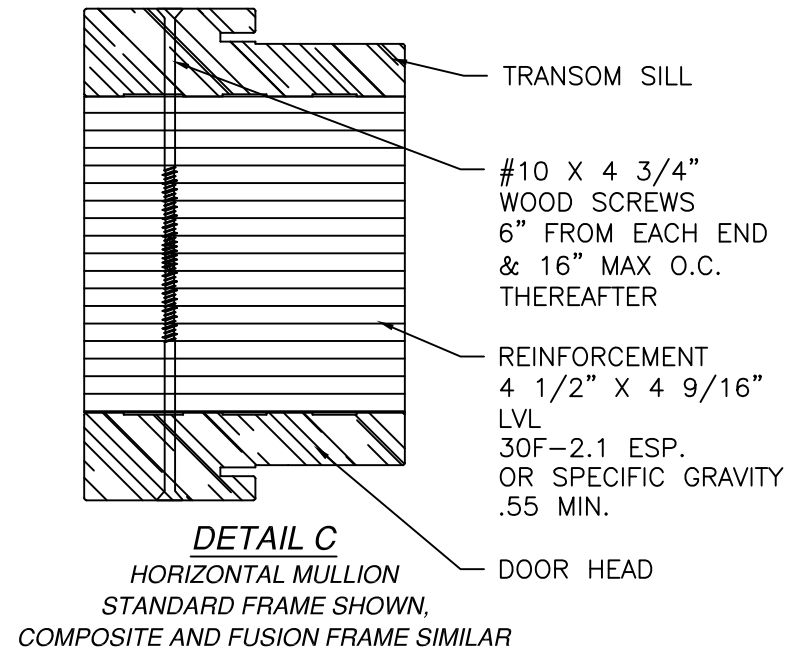
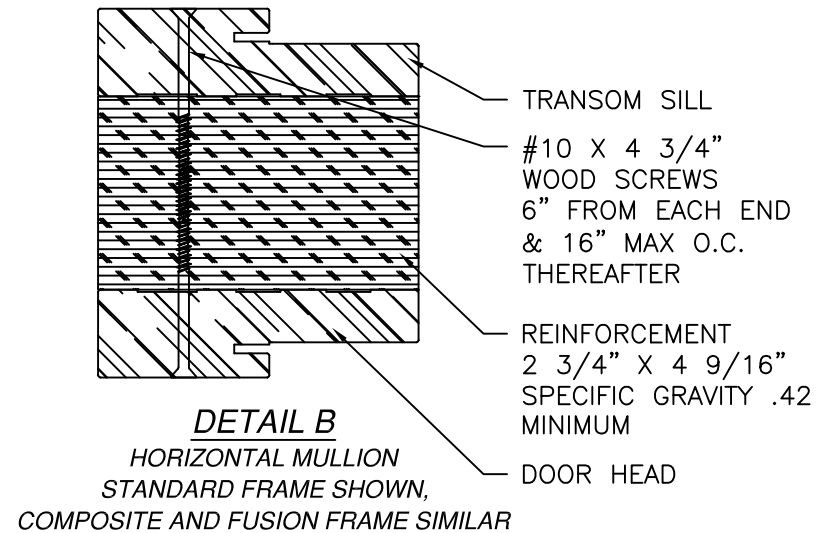
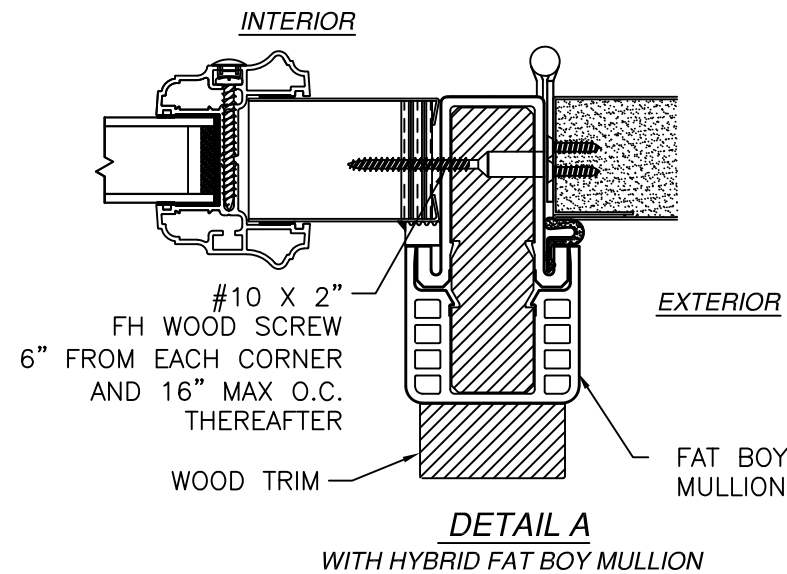
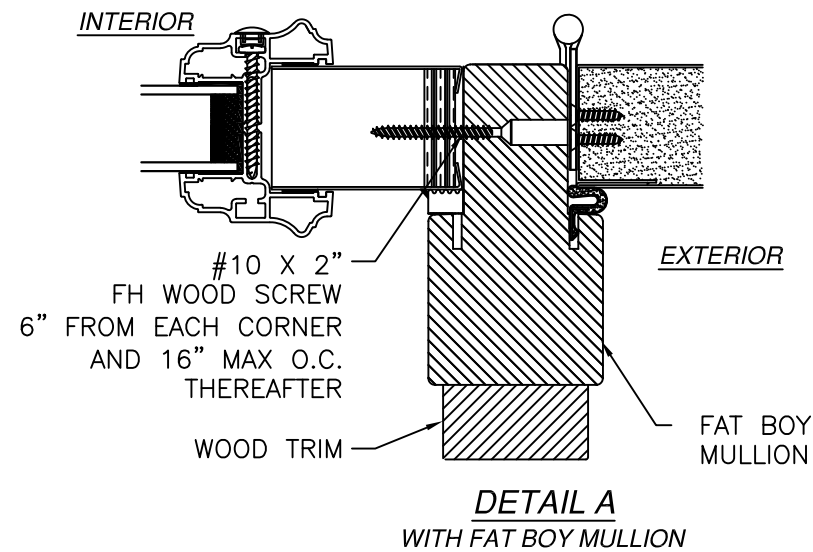
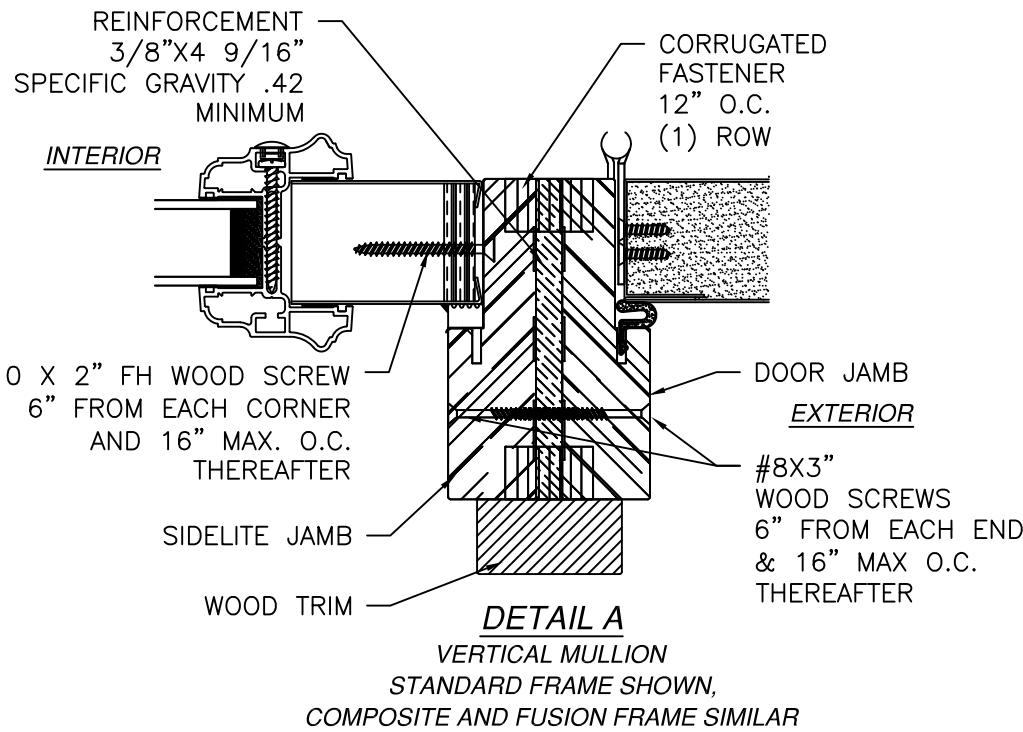
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026



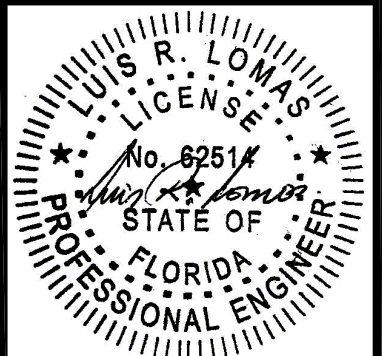
Luis R. Lomas P.E.
FL No.: 62514



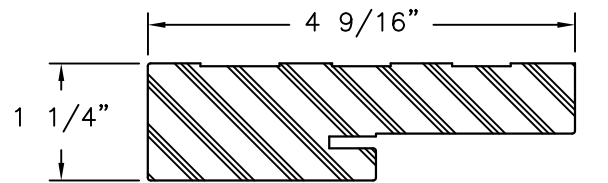
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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SIGNED: 09/09/2026

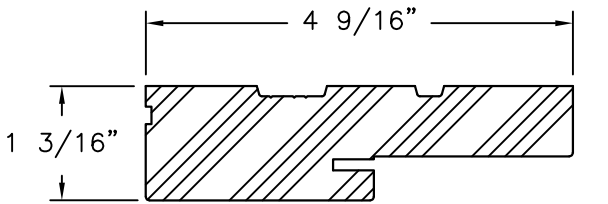
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT MULLION DETAILS		
DRAWN: V.L.	DWG NO. 08-02081	REV K
SCALE NTS	DATE 06/19/13	SHEET 15 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



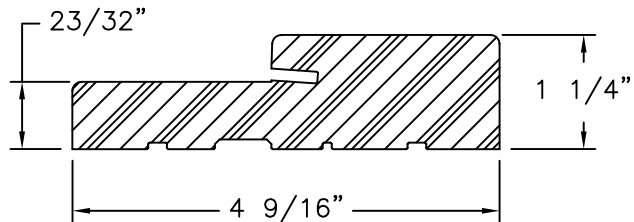
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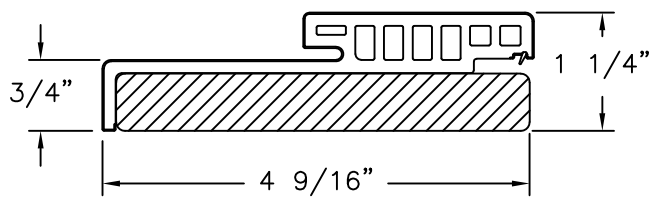
COMPOSITE FRAME PROFILE



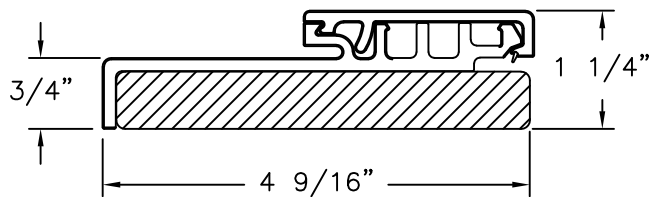
WOOD FRAME PROFILE



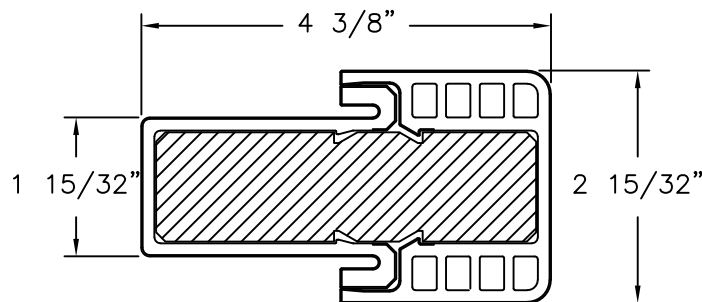
FRAMESAVER
COMPOSITE



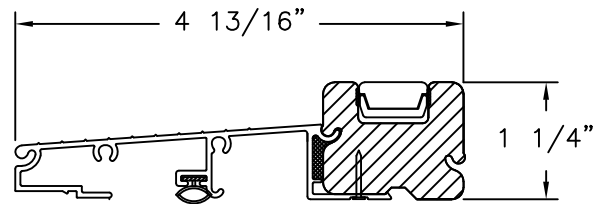
HYBRID HEAD
WOOD/COMPOSITE



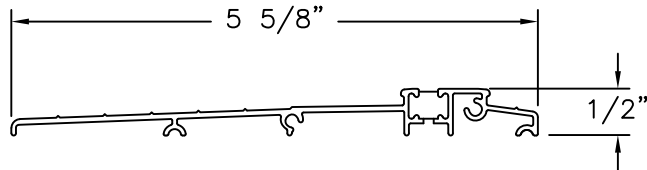
HYBRID JAMB
WOOD/COMPOSITE



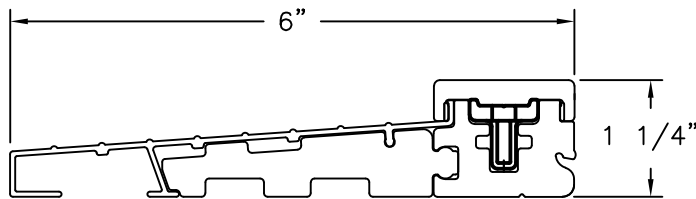
HYBRID FAT BOY MULLION
COMPOSITE



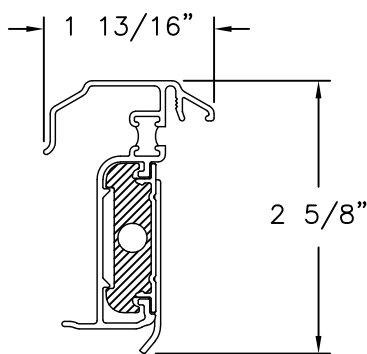
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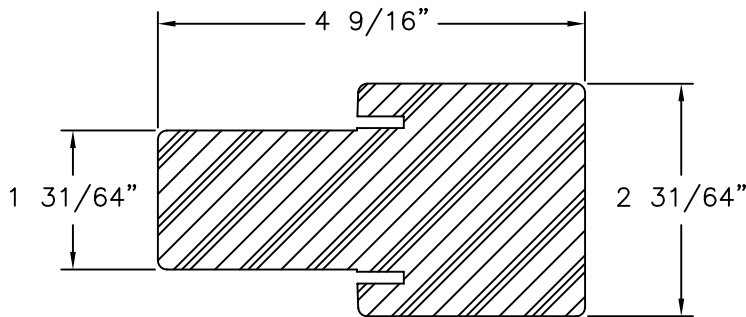
ADA THRESHOLD



INSWING SILL

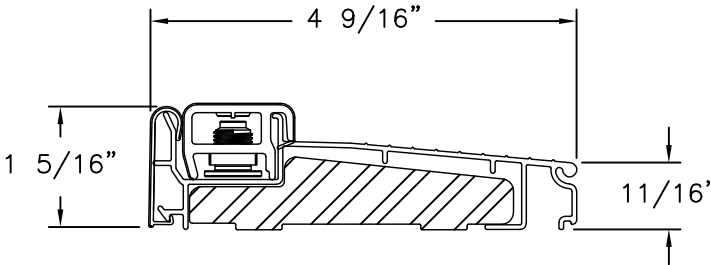


HURRICANE ASTRAGAL DETAIL

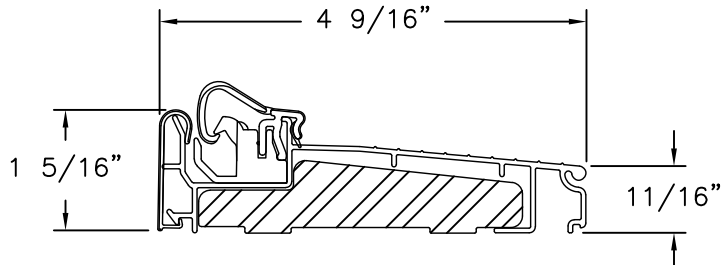


FAT BOY MULLION
COMPOSITE

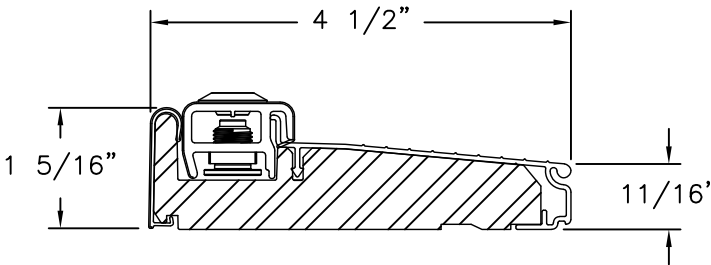
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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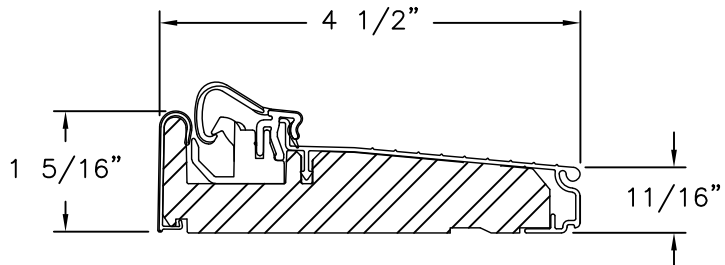
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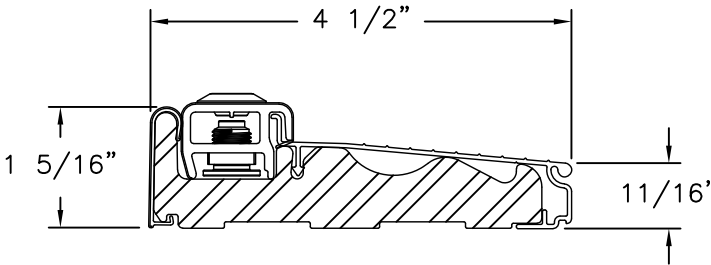
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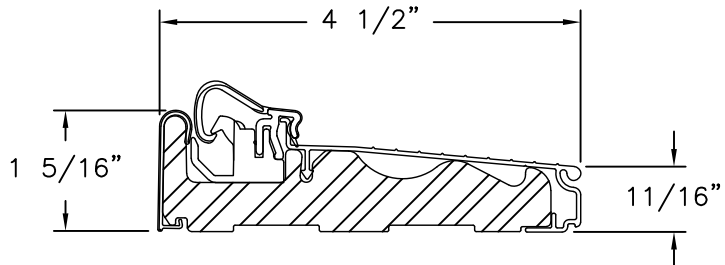
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INSWING SILL ZAC4565F



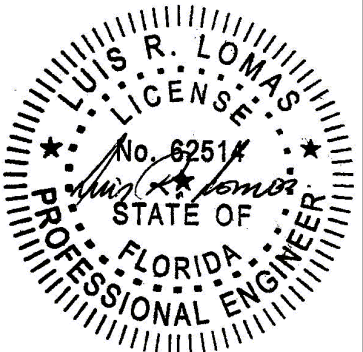
INSWING SILL ZAILH4565



INSWING SILL ZAELH4565

SIGNED: 09/09/2026

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE DOUBLE DOOR W/SIDELITES & TRANSOM NON-IMPACT COMPONENTS		
DRAWN: V.L.	DWG NO. 08-02081	REV K
SCALE NTS	DATE 06/19/13	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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