

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISED HARDWARE SCHEDULE	09/11/26	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), FIBERGLASS .085" THICK (MINIMUM)
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
7. SIDELITES MUST BE GLAZED PER ASTM E1300, SEE SHEET 10 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
9. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".

10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - 14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 14.3. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
15. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES – IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02035

REV
J

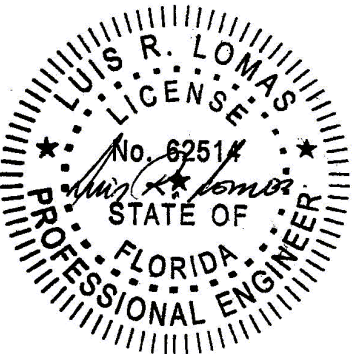
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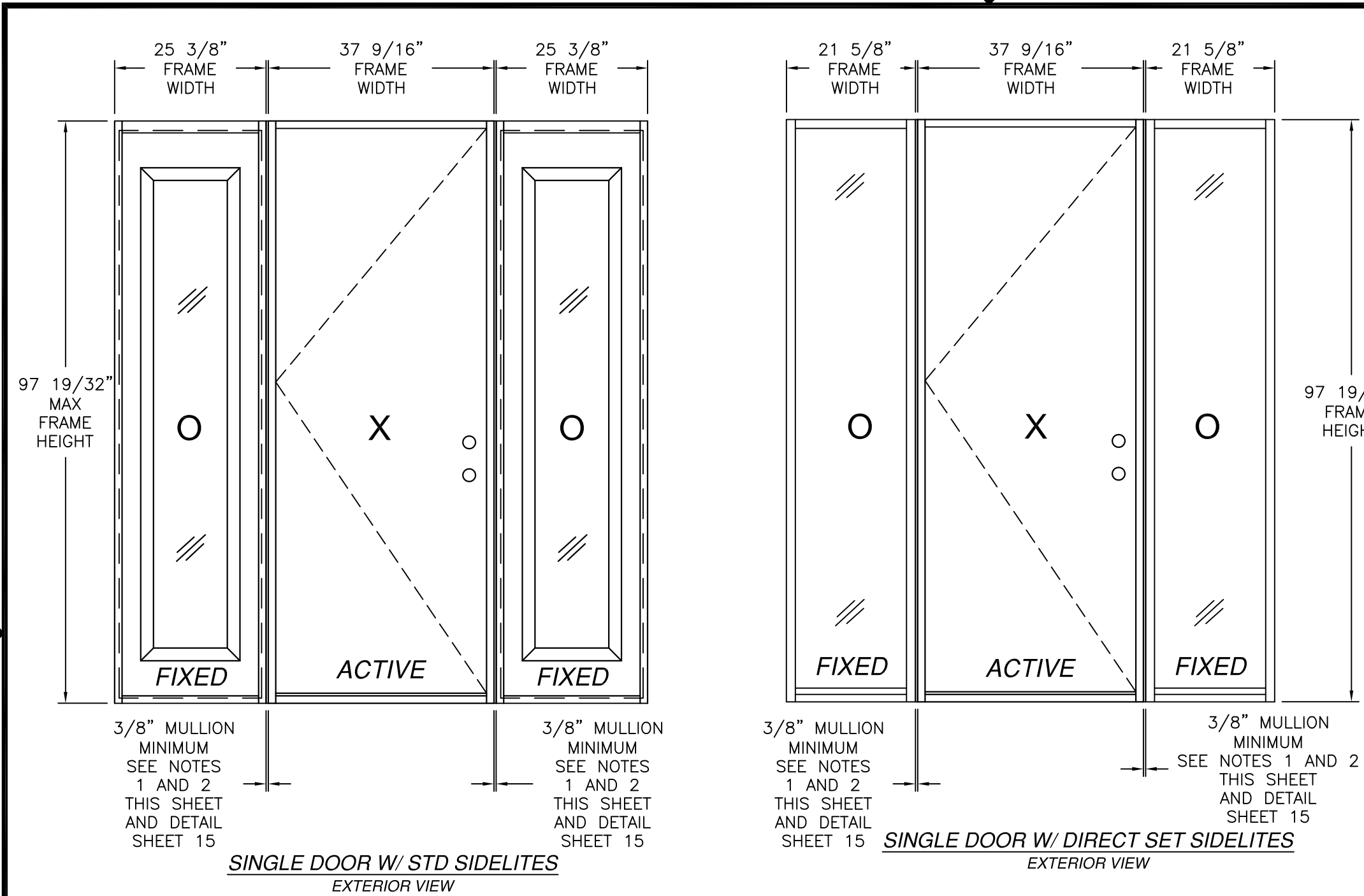
SHEET
1 OF 16

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

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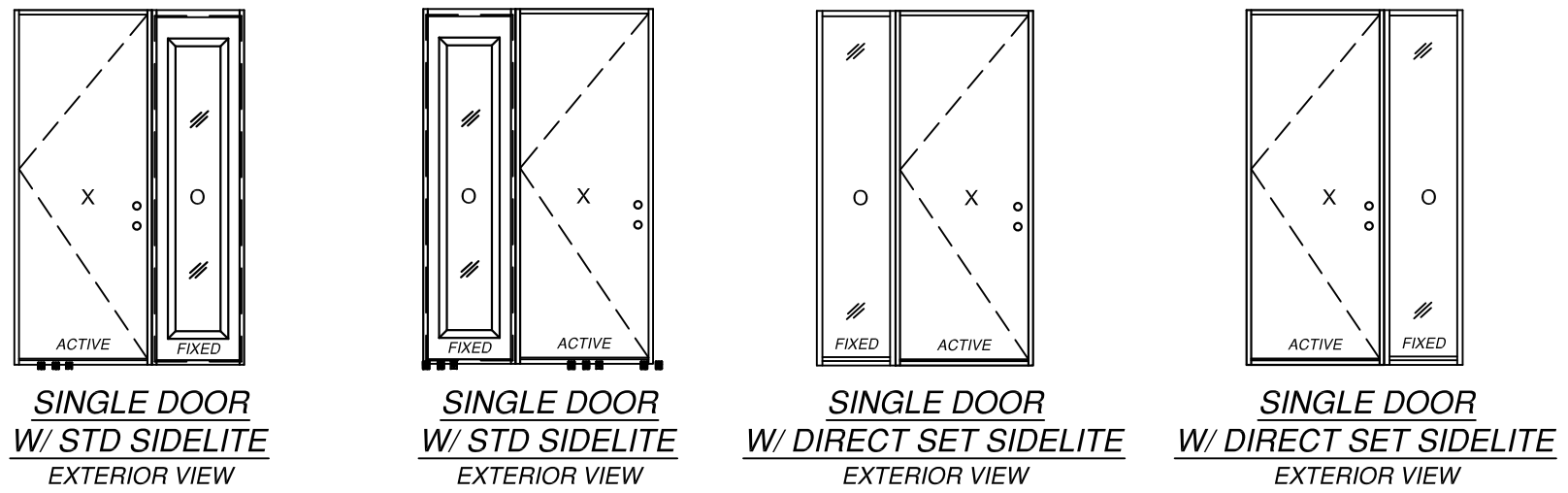
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DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 3	
WITH PANOLOCK MULTI-POINT	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 3	

- NOTES:
1. MAXIMUM VERTICAL MULLION BUILD UP 7".
 2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.



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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES – IMPACT
ELEVATION AND APPROVED CONFIGURATIONS

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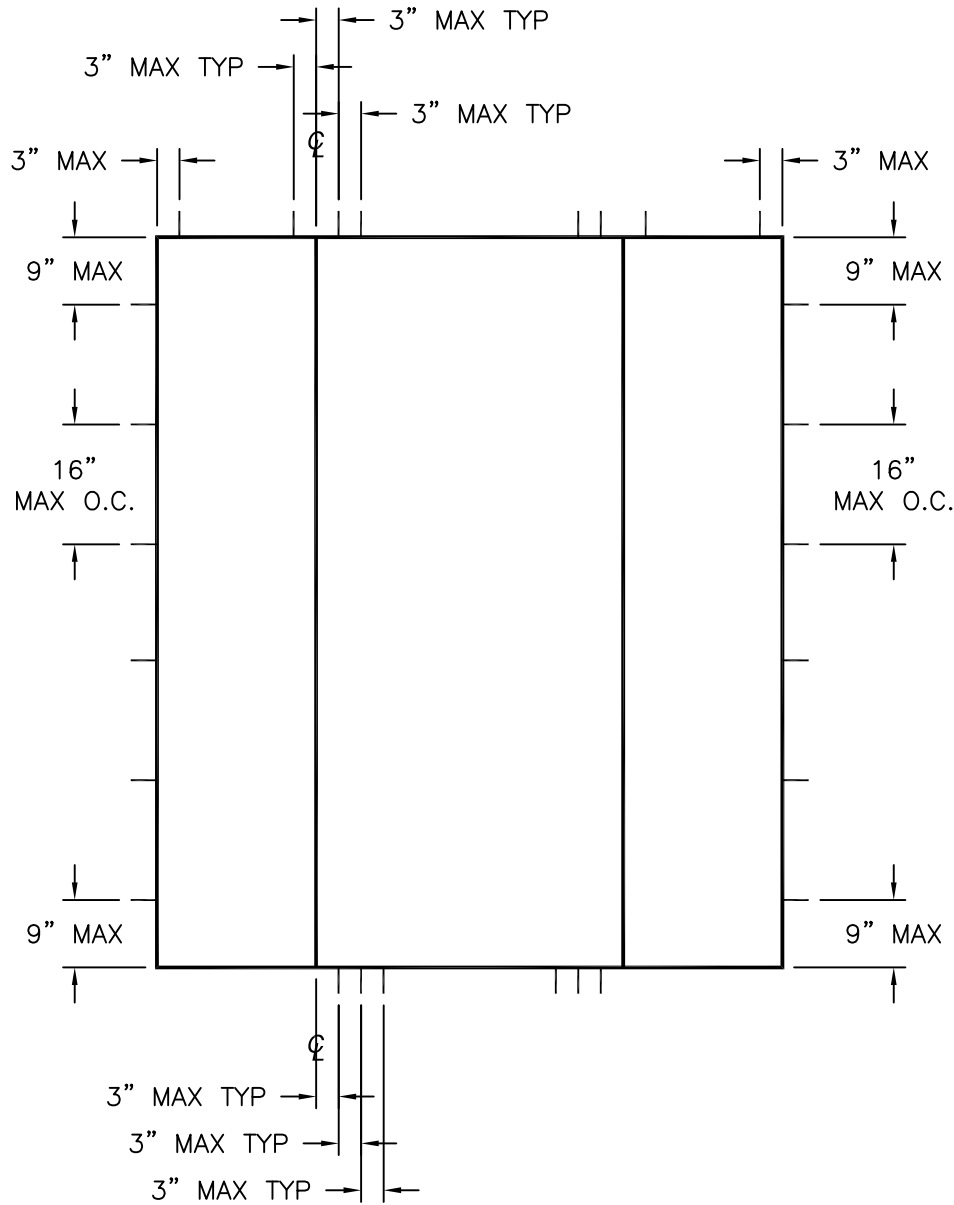
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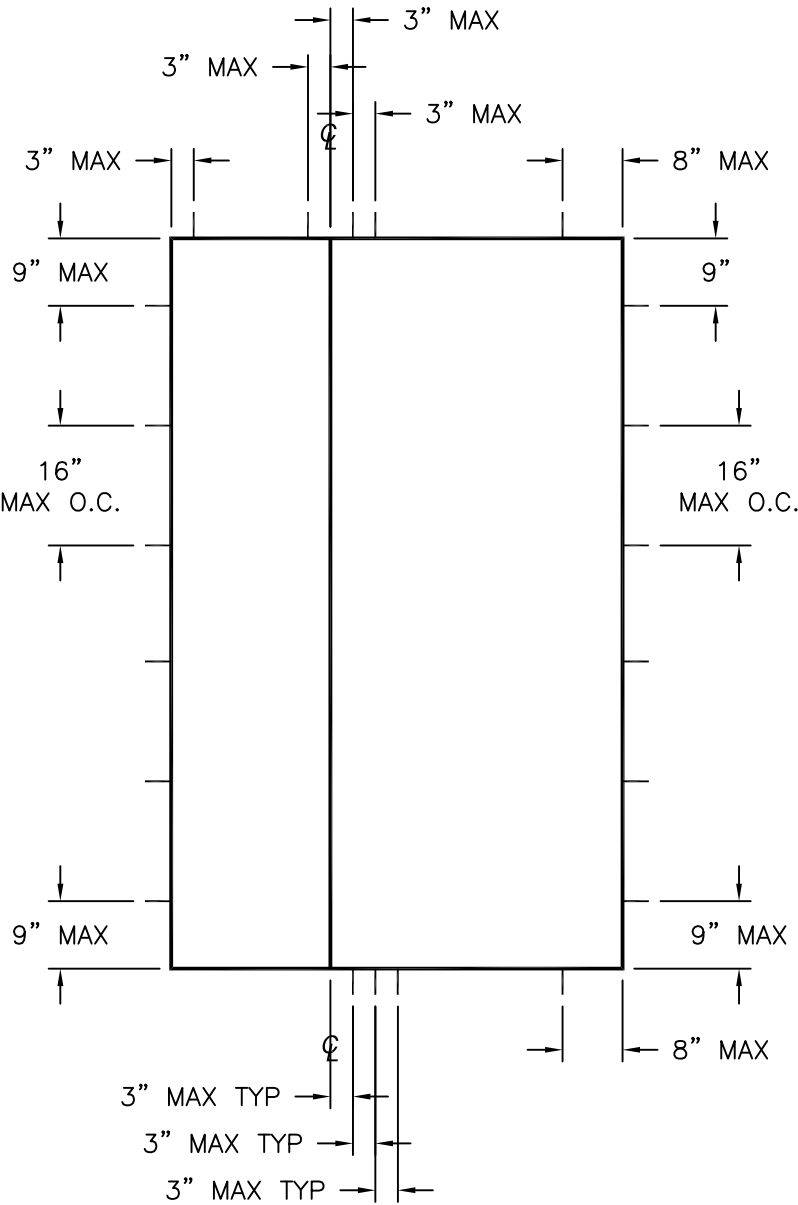
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SINGLE W/SIDELITES



SINGLE W/SIDELITE

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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

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 SCHLAGE
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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ANCHORING LAYOUTS

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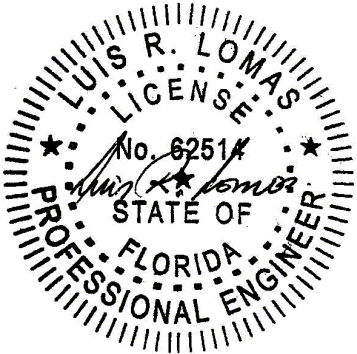
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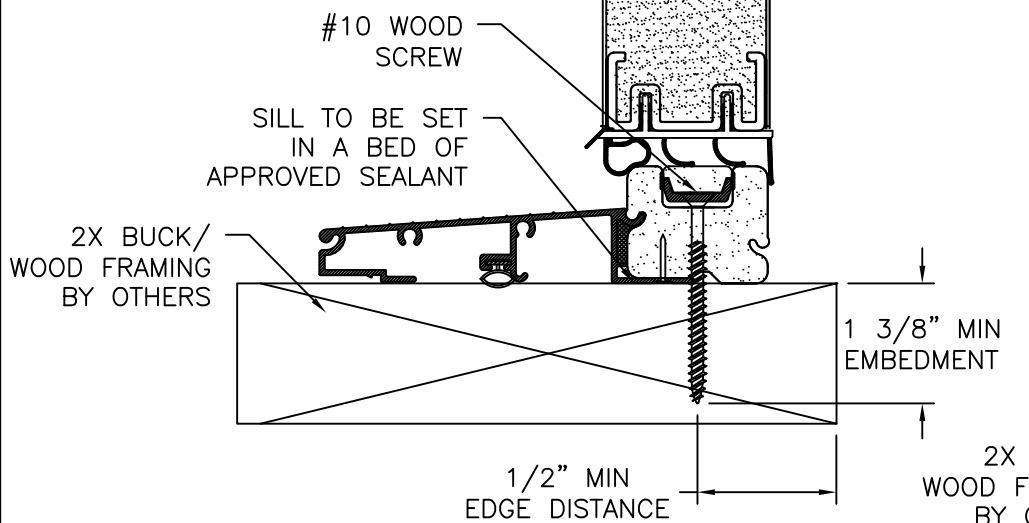
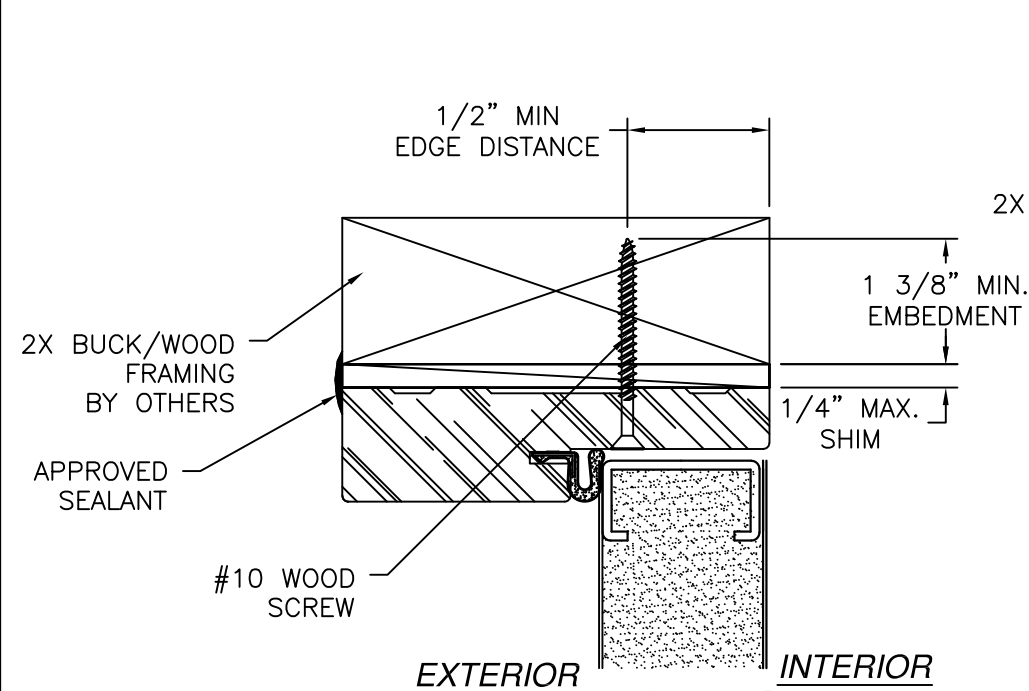
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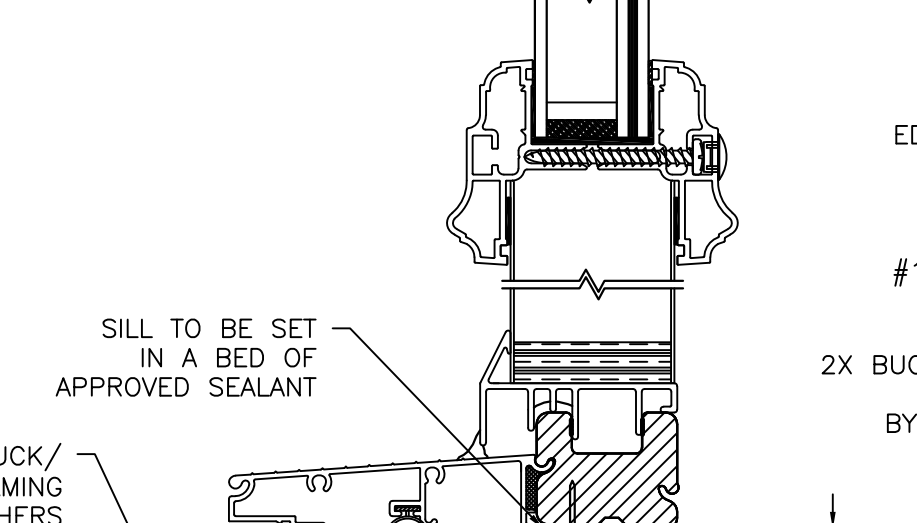
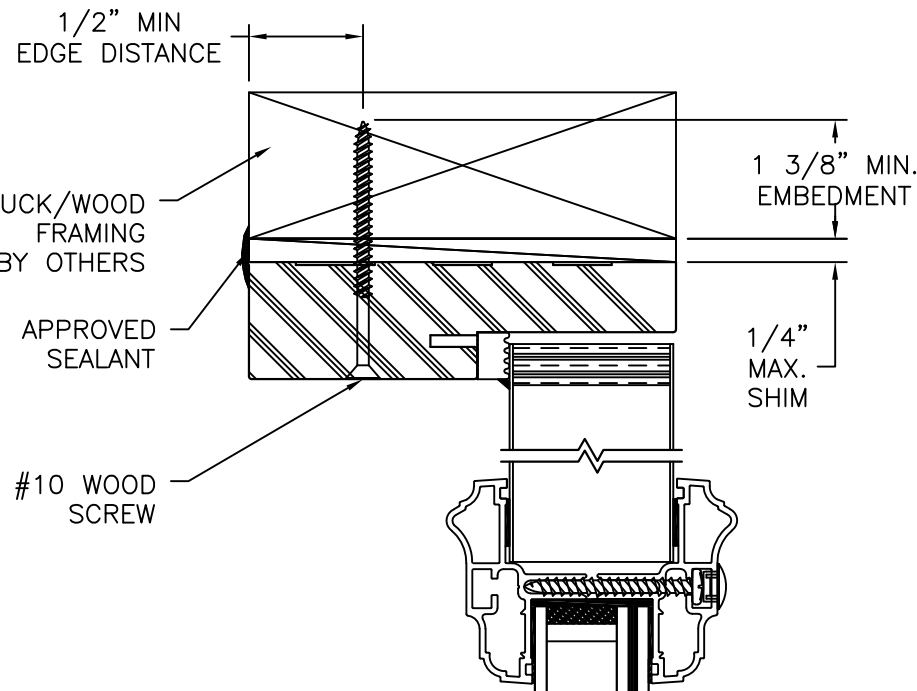


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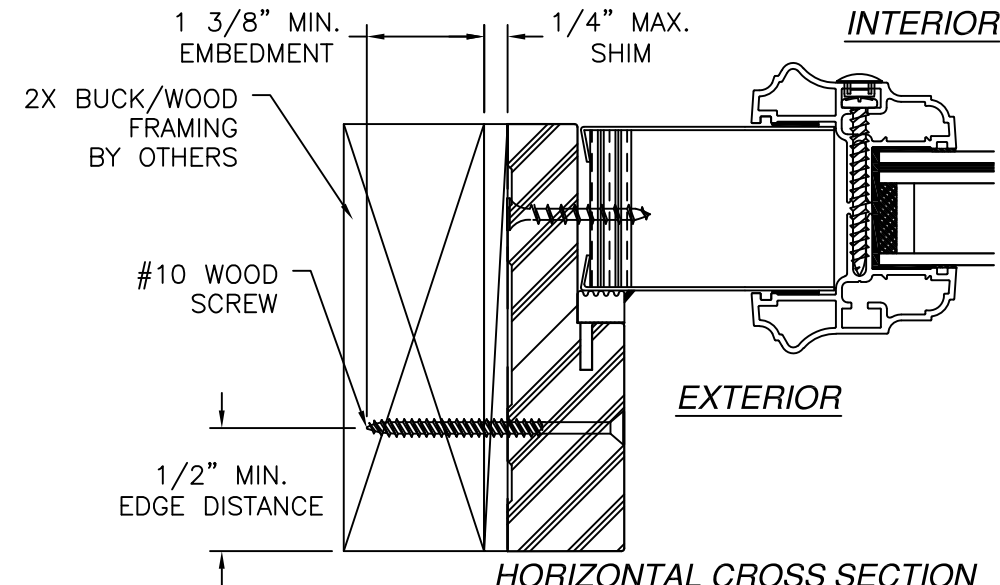
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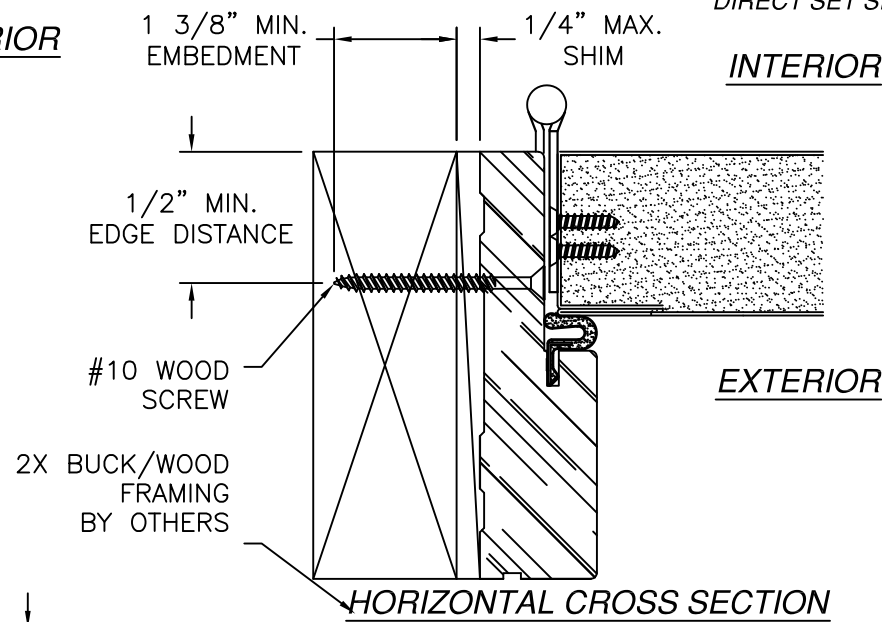
VERTICAL CROSS SECTION
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING



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



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

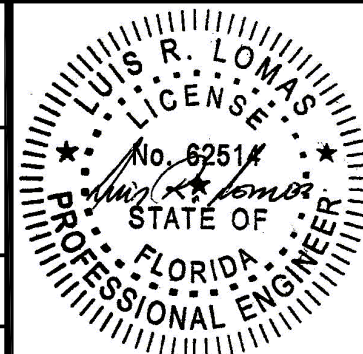


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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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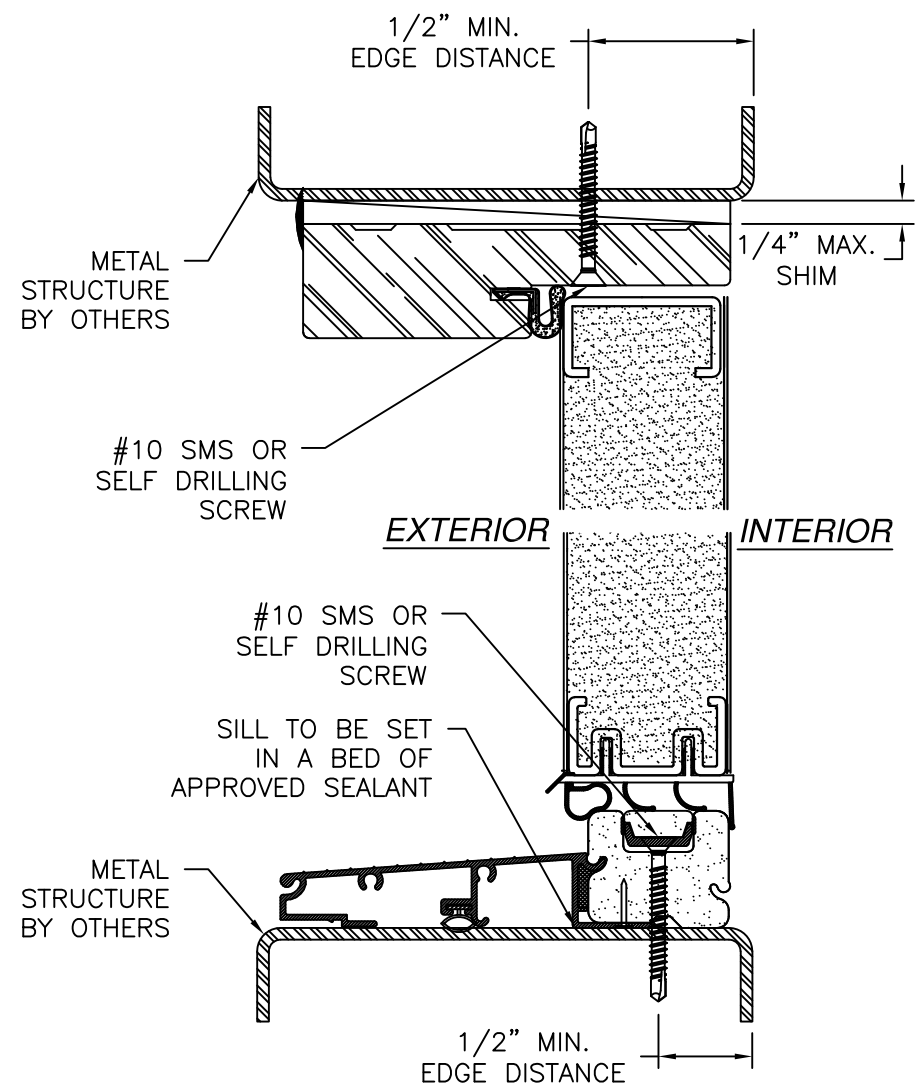
- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES - IMPACT INSTALLATION DETAILS		
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SCALE NTS	DATE 05/21/13	SHEET 4 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

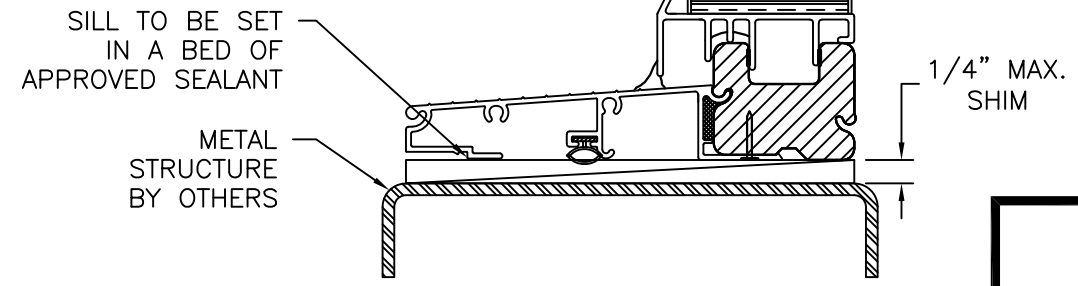
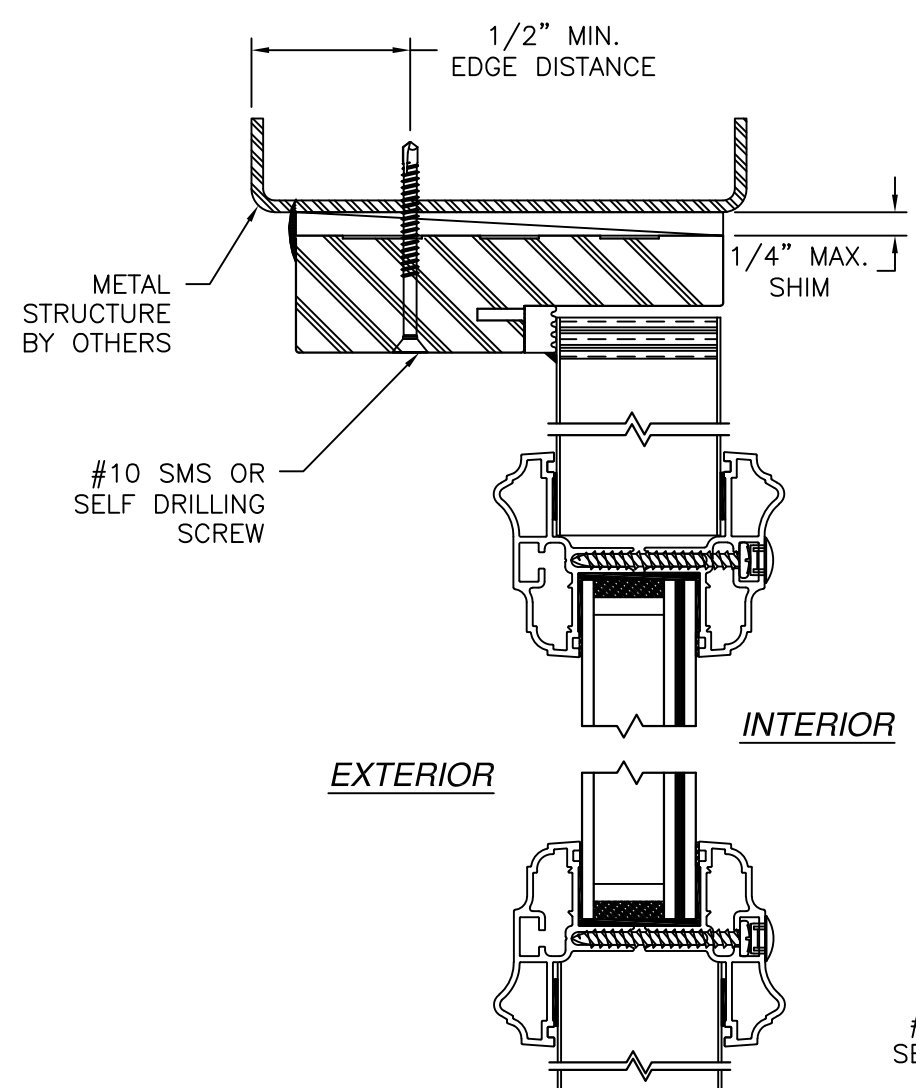


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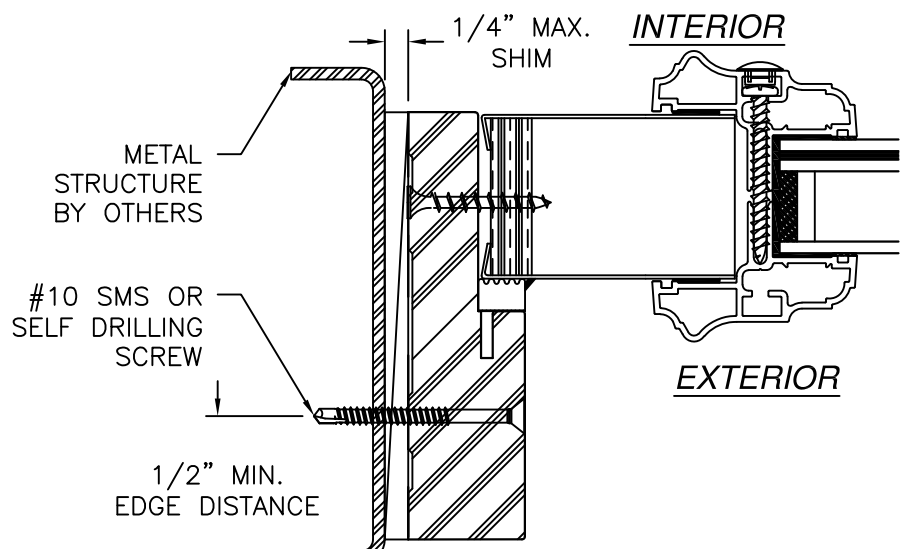
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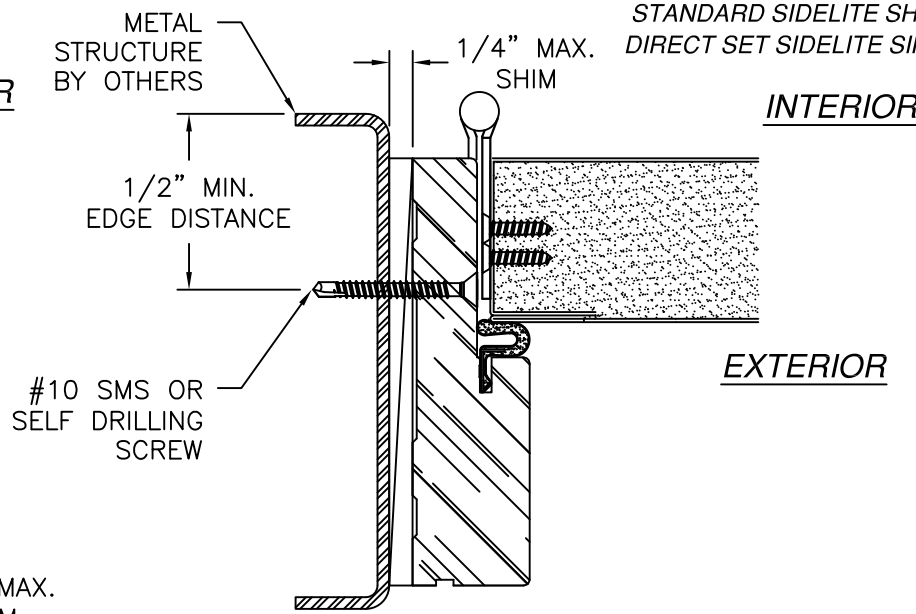
VERTICAL CROSS SECTION
DOOR INSTALLATION METAL STRUCTURE



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SIDELITE INSTALLATION METAL STRUCTURE
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DIRECT SET SIDELITE SIMILAR



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W/SIDELITES – IMPACT
INSTALLATION DETAILS

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LUIS R. LOMAS

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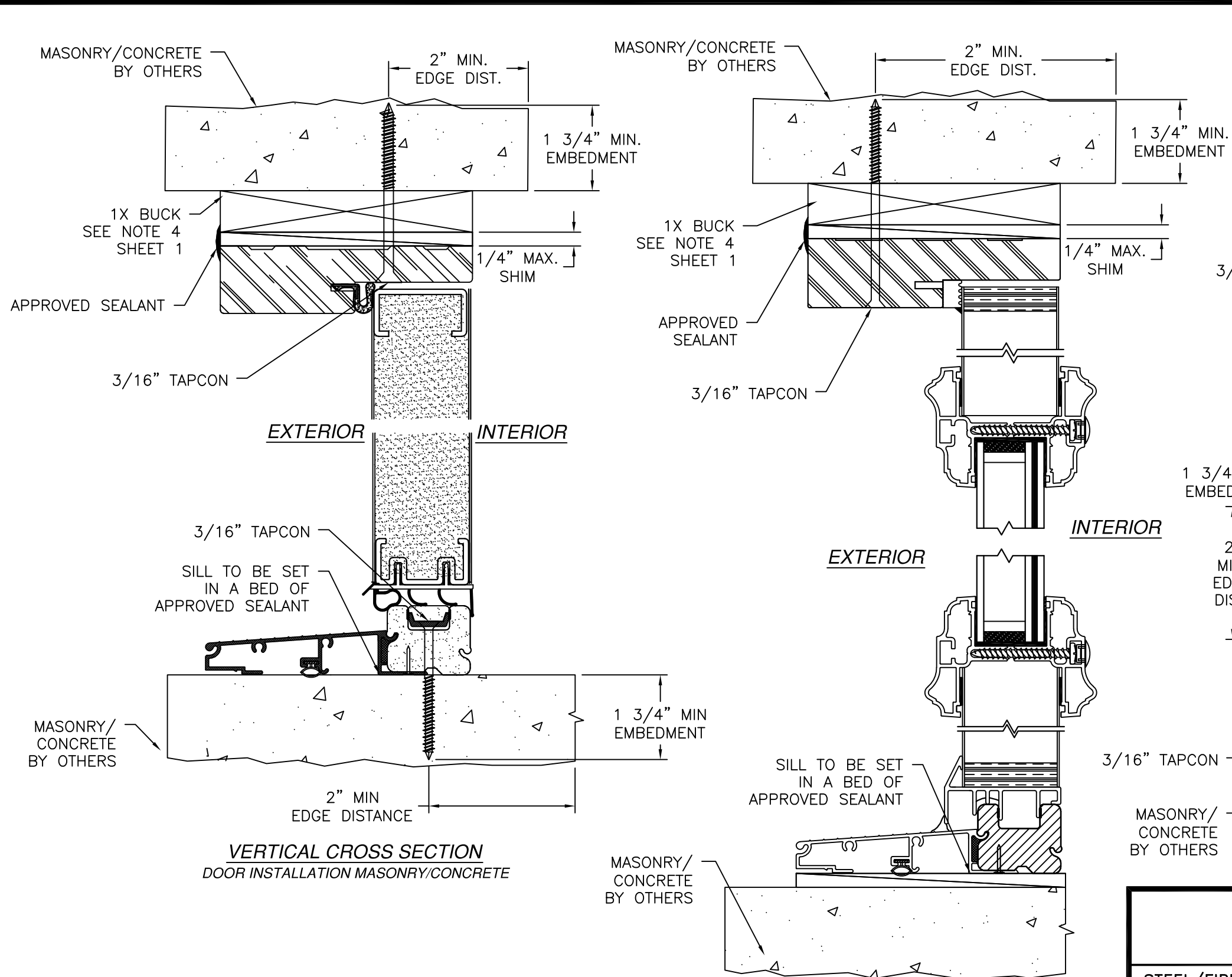
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STATE OF FLORIDA

PROFESSIONAL ENGINEER

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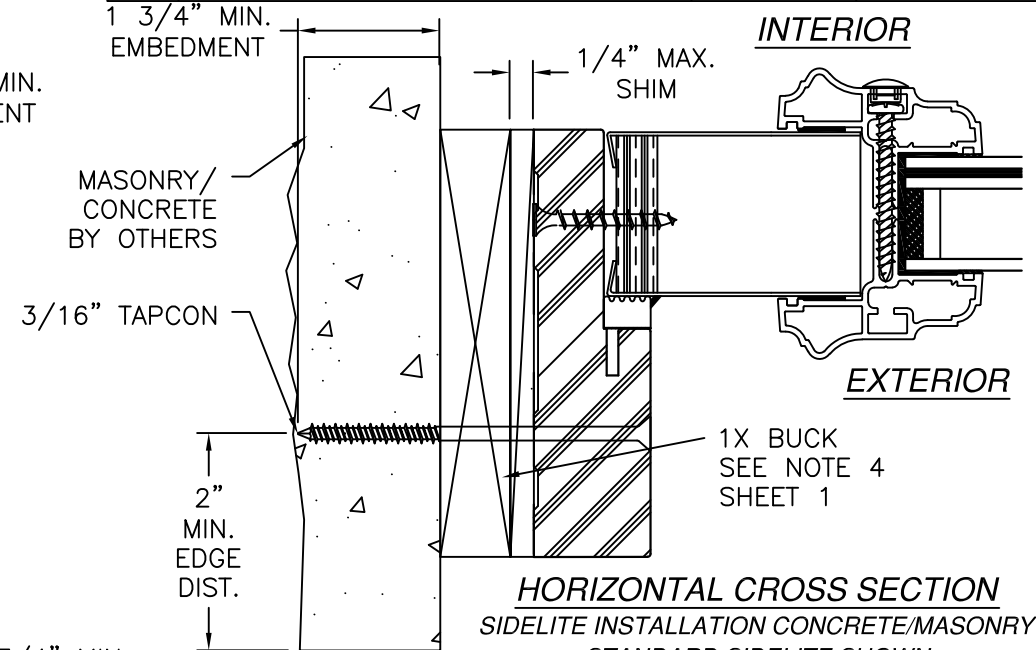


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DOOR INSTALLATION MASONRY/CONCRETE

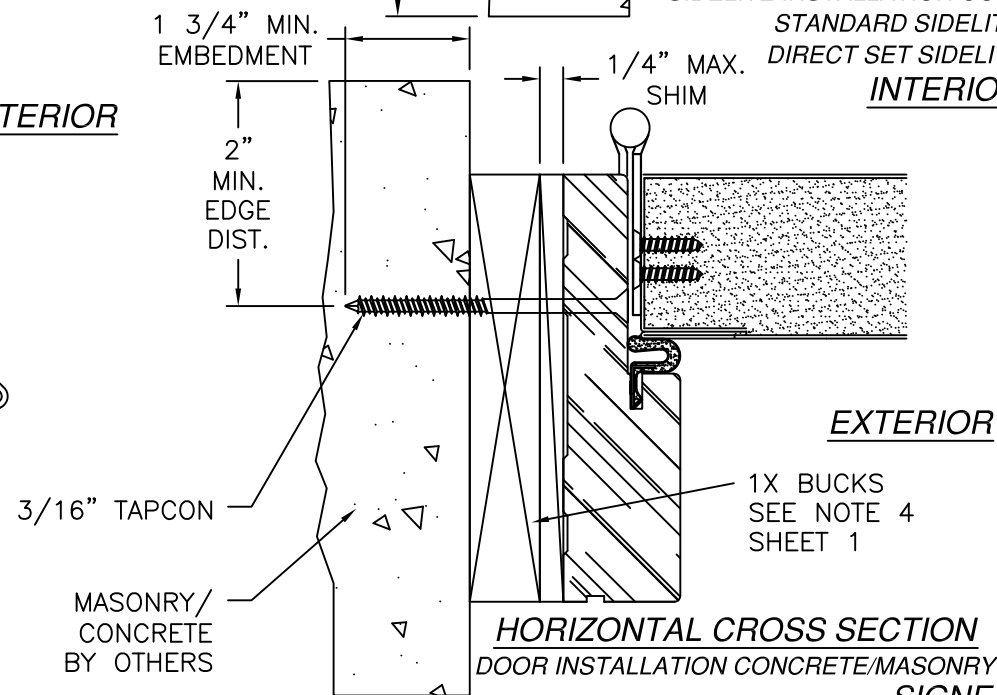
VERTICAL CROSS SECTION
SIDELITE INSTALLATION MASONRY/CONCRETE
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SIDELITE INSTALLATION CONCRETE/MASONRY
STANDARD SIDELITE SHOWN
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INTERIOR



HORIZONTAL CROSS SECTION
DOOR INSTALLATION CONCRETE/MASONRY

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W/SIDELITES - IMPACT
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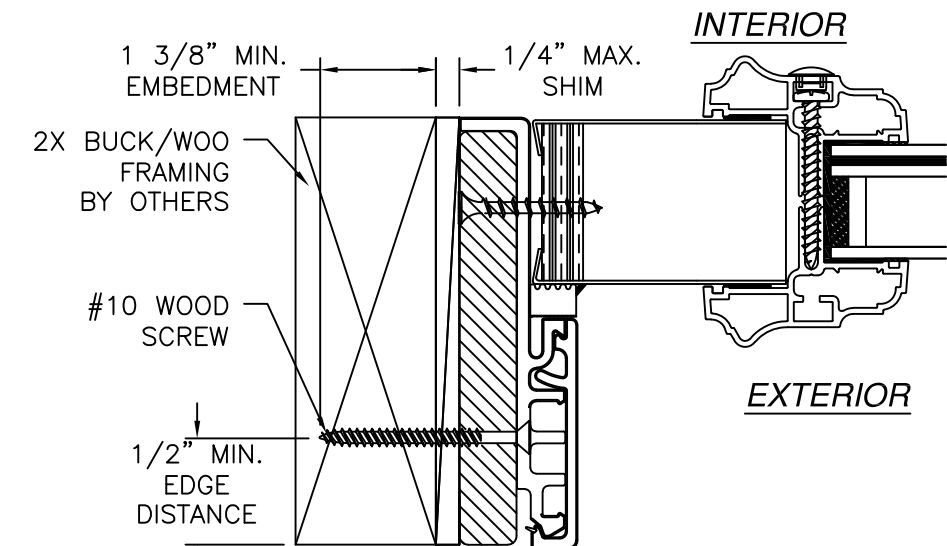
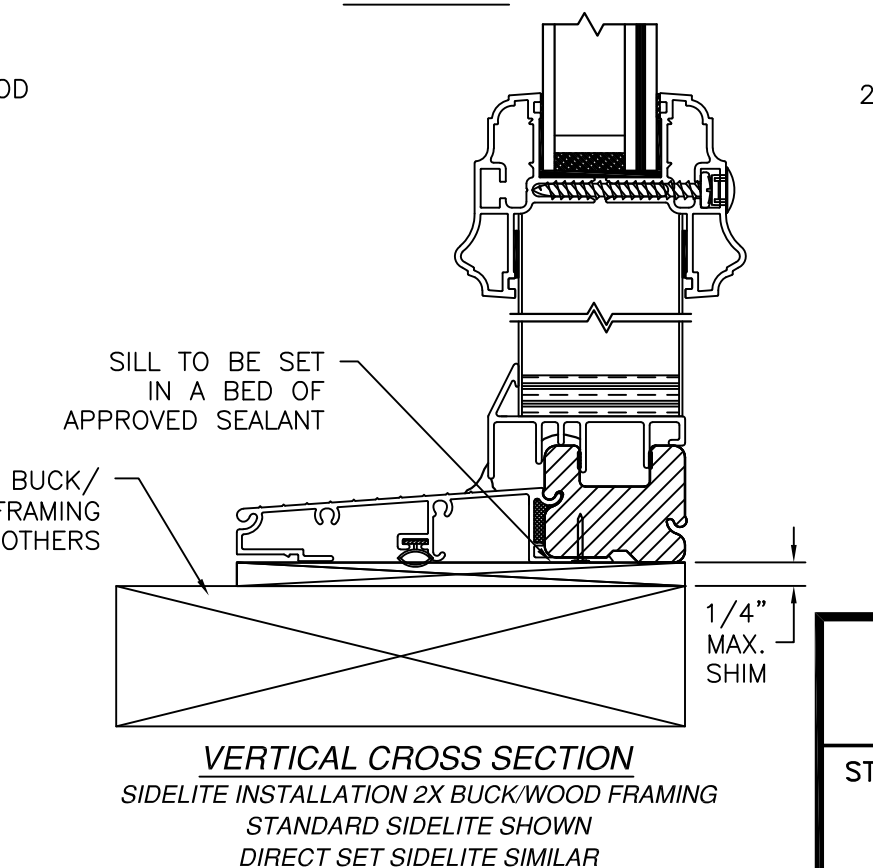
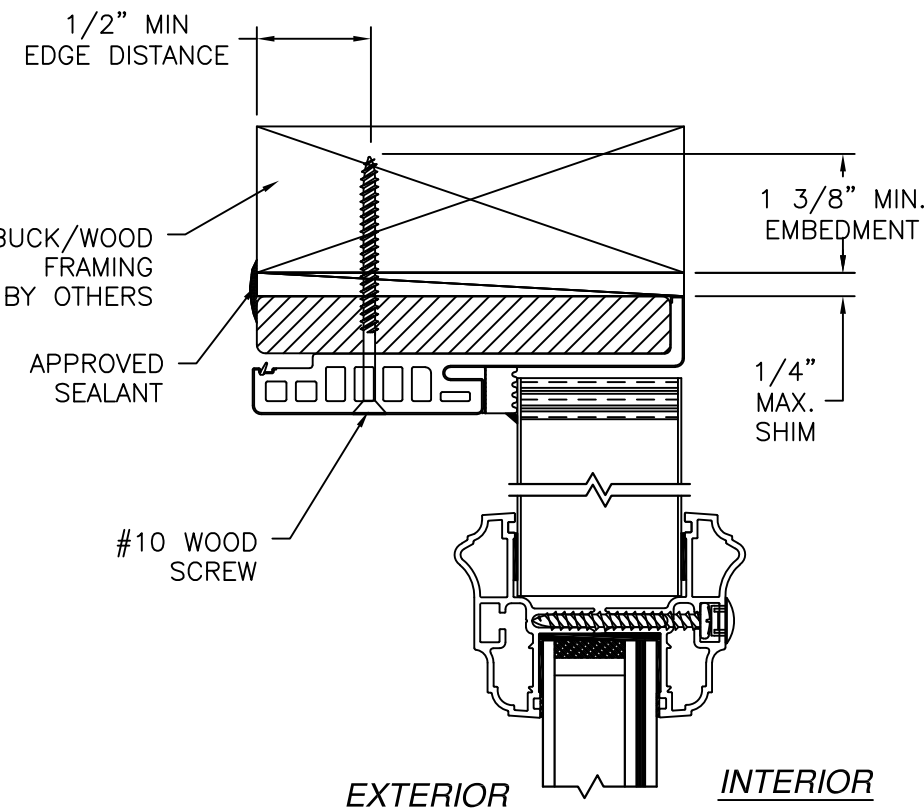
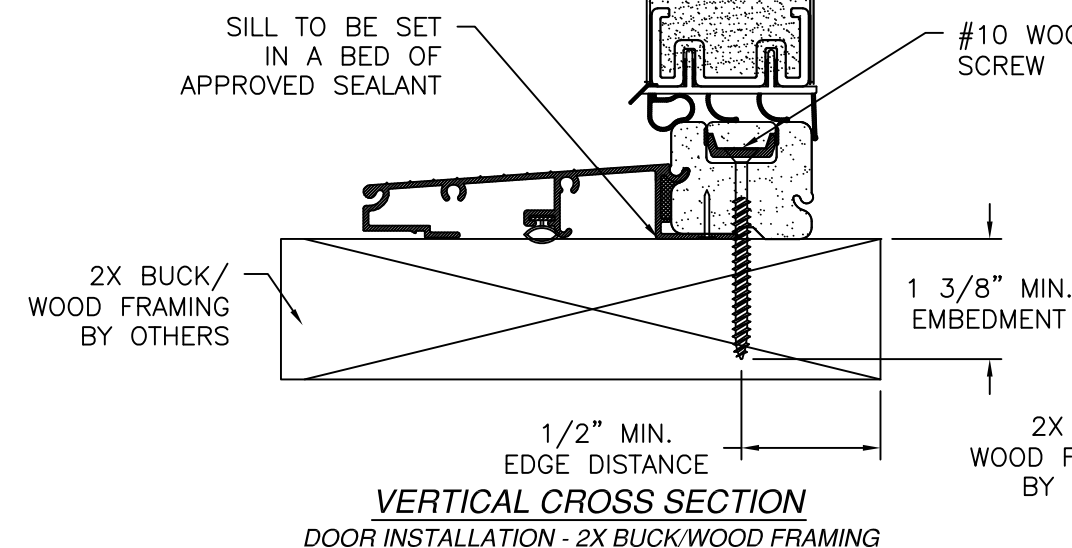
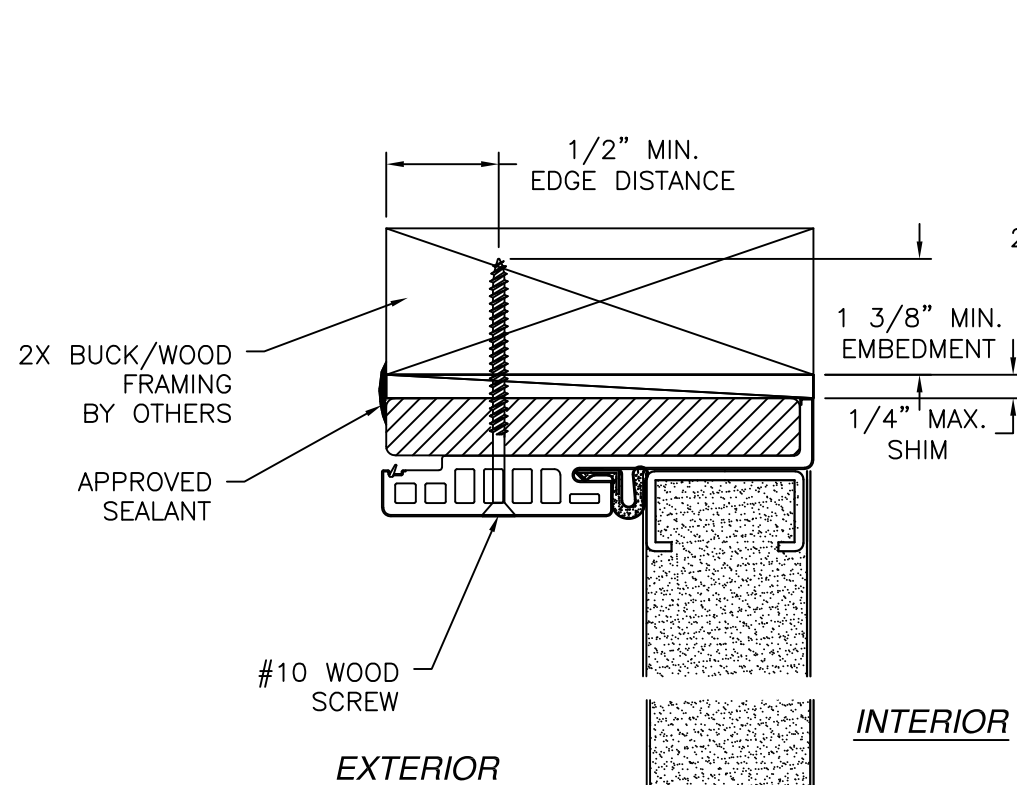
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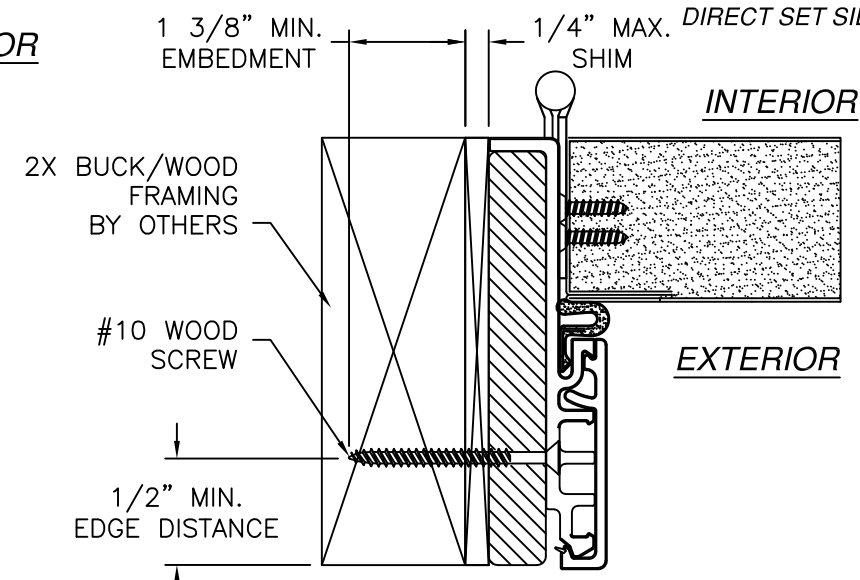
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HORIZONTAL CROSS SECTION
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING
STANDARD SIDELITE SHOWN
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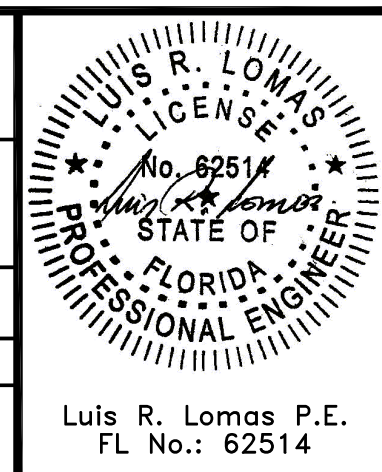


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DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

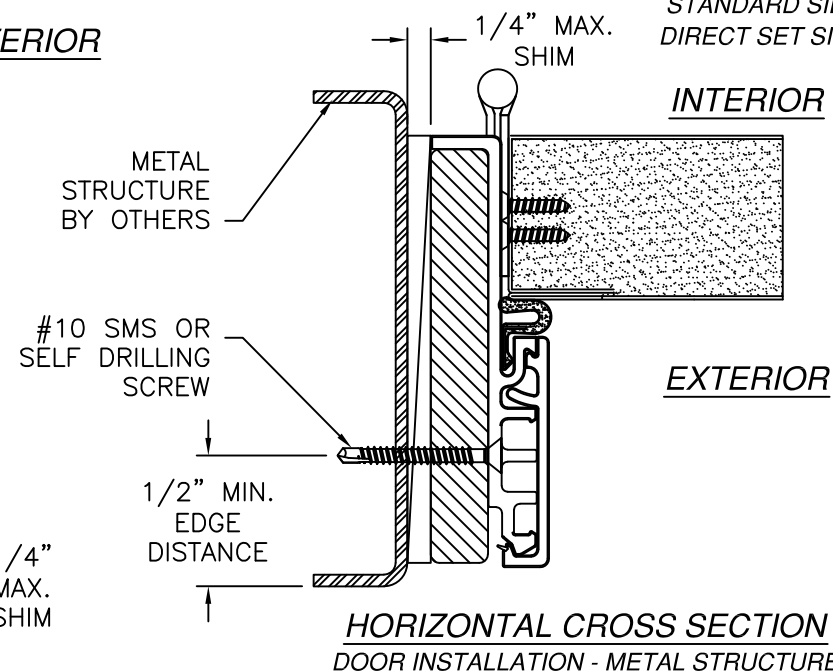
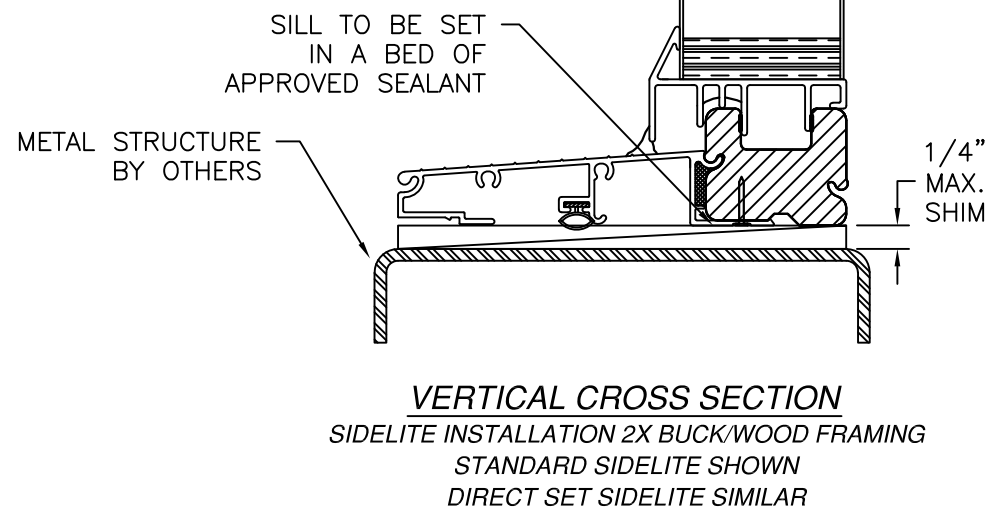
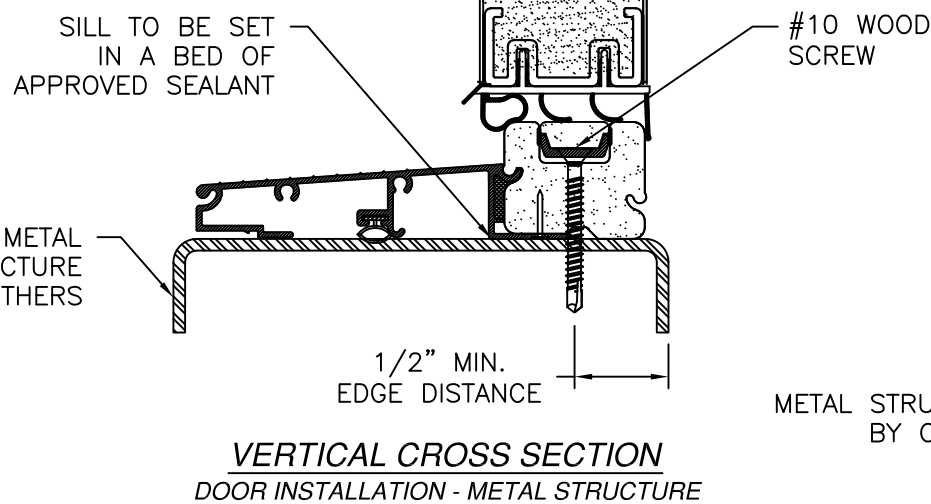
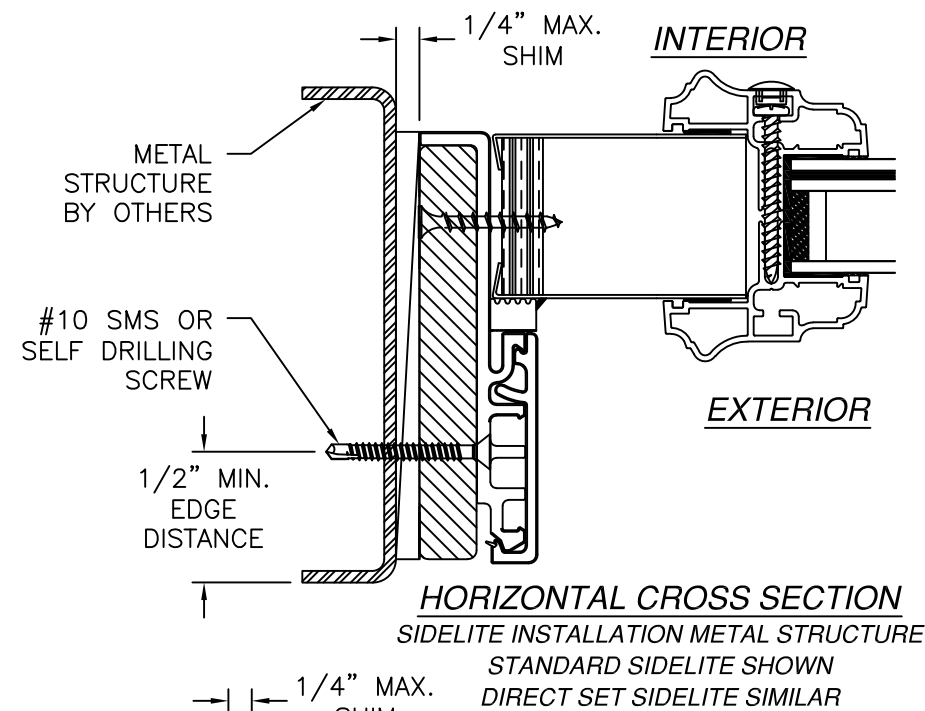
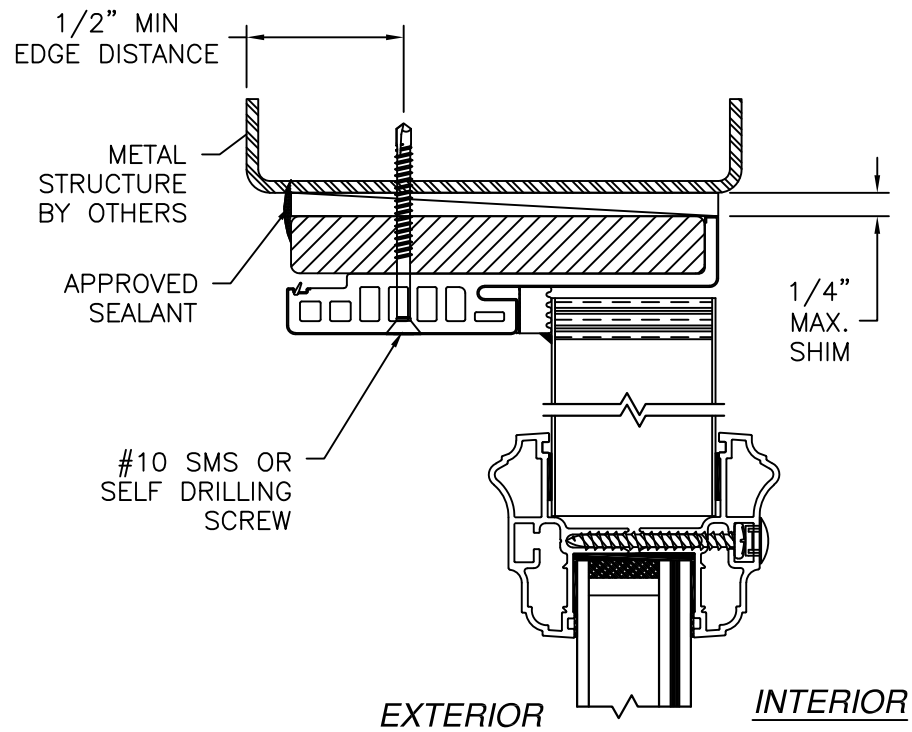
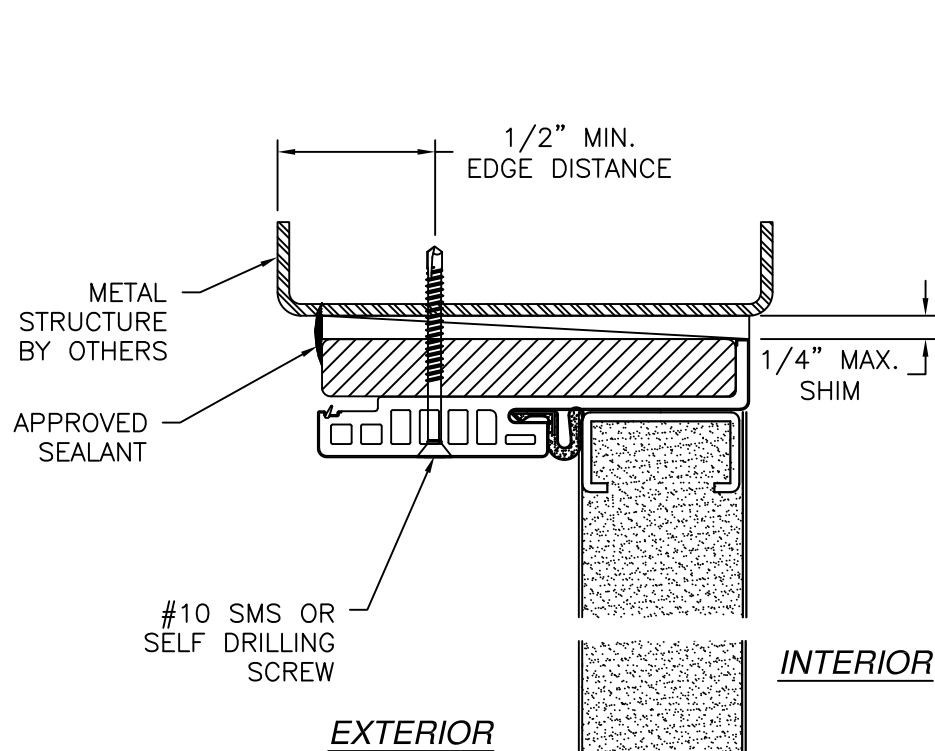
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W/SIDELITES – IMPACT
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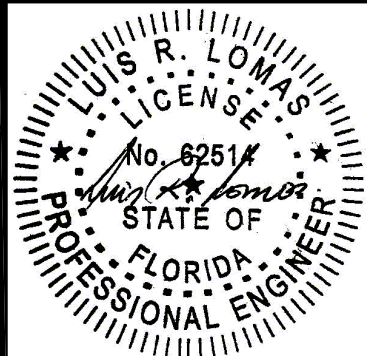
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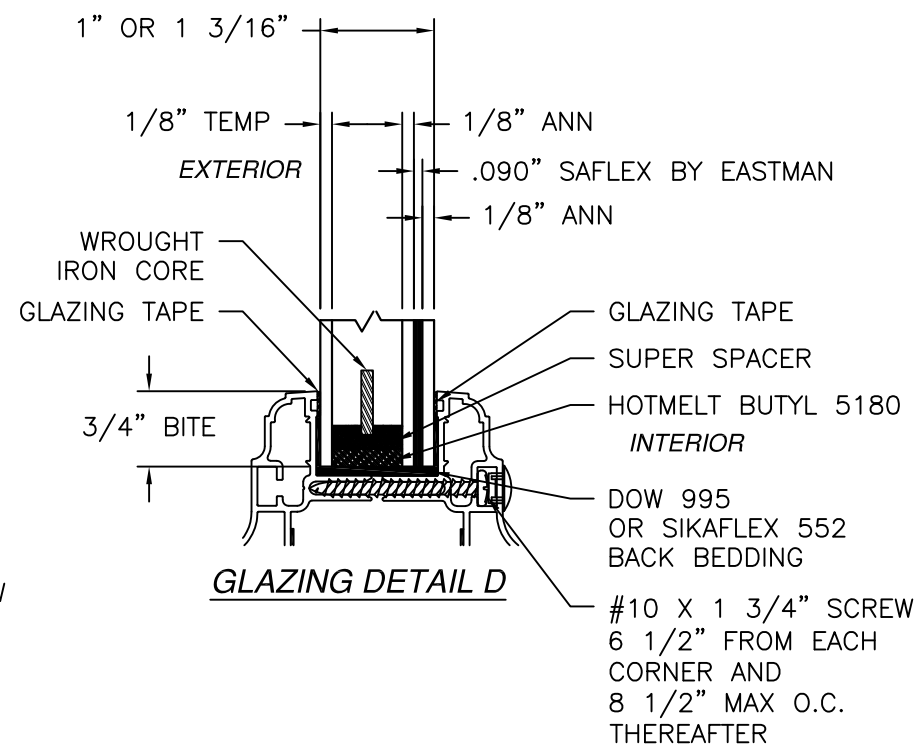
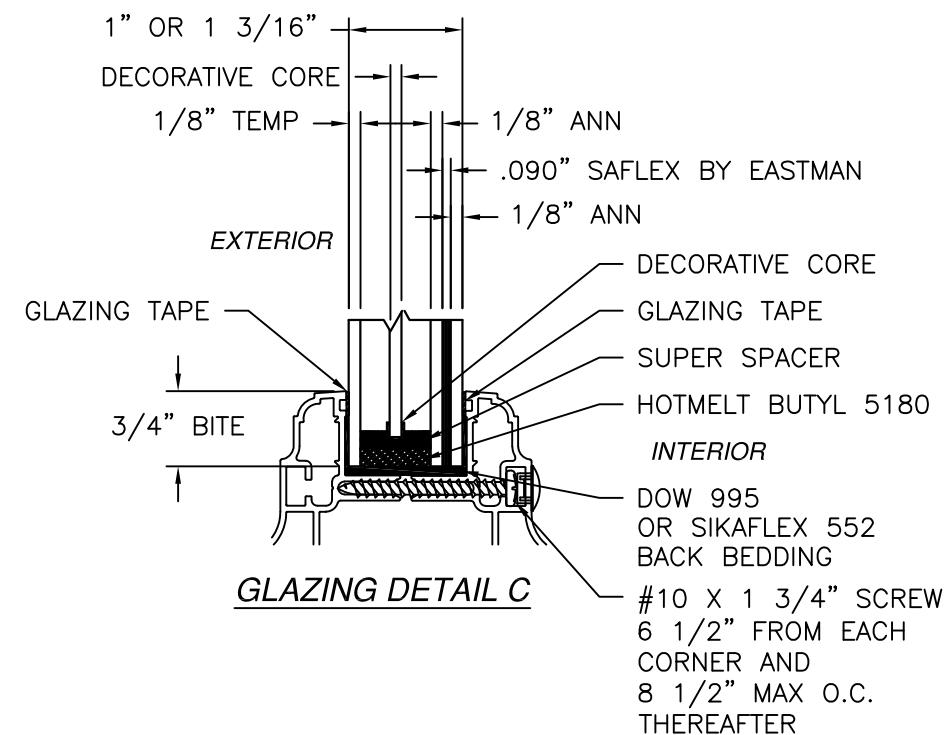
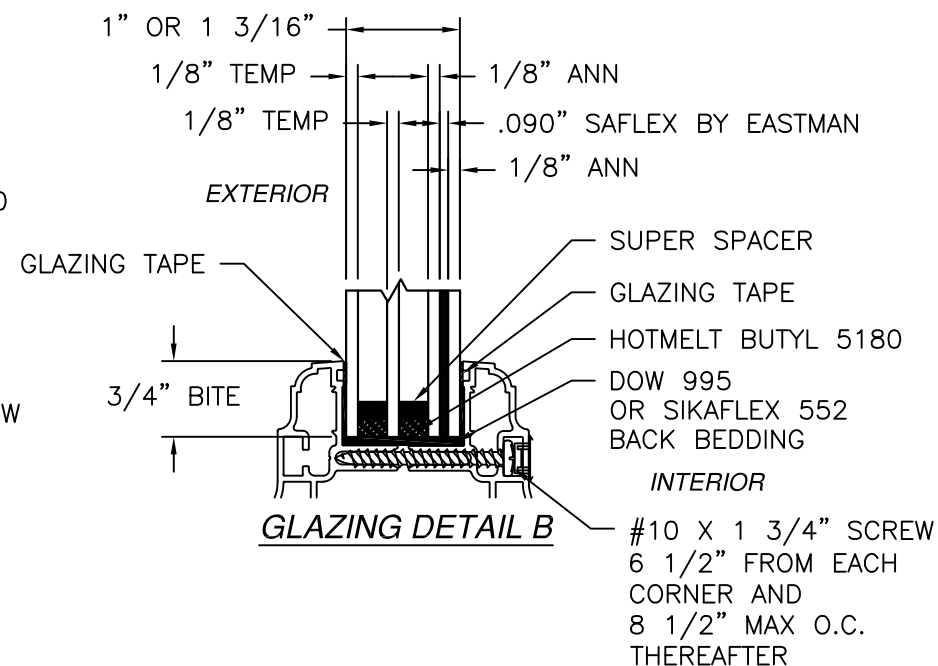
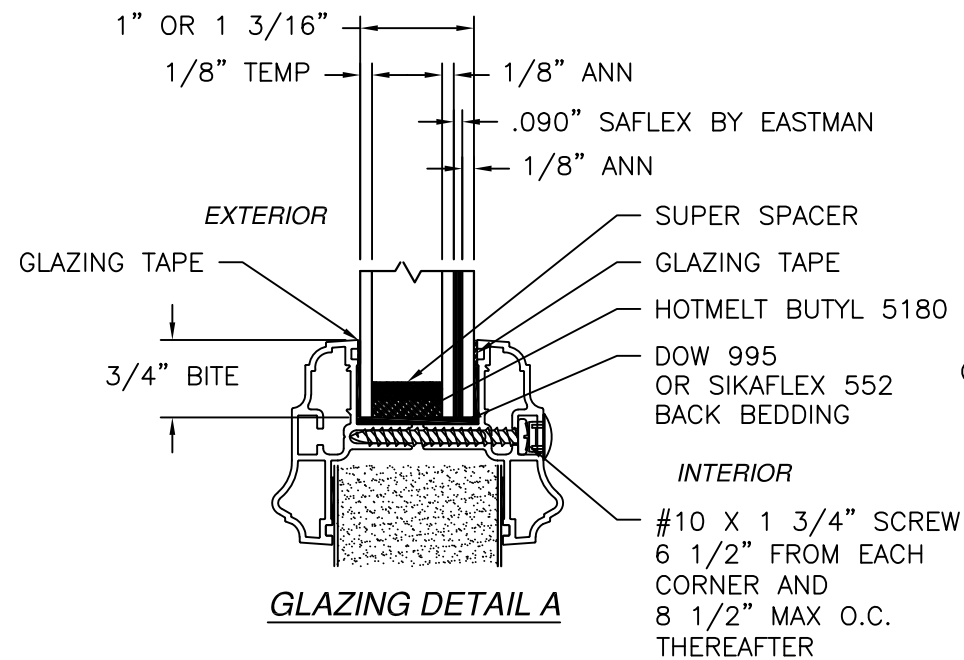
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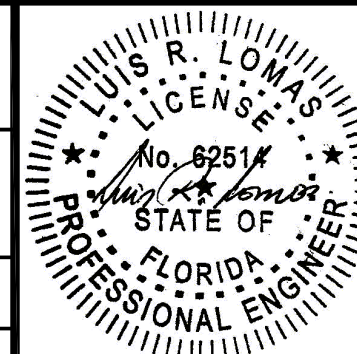
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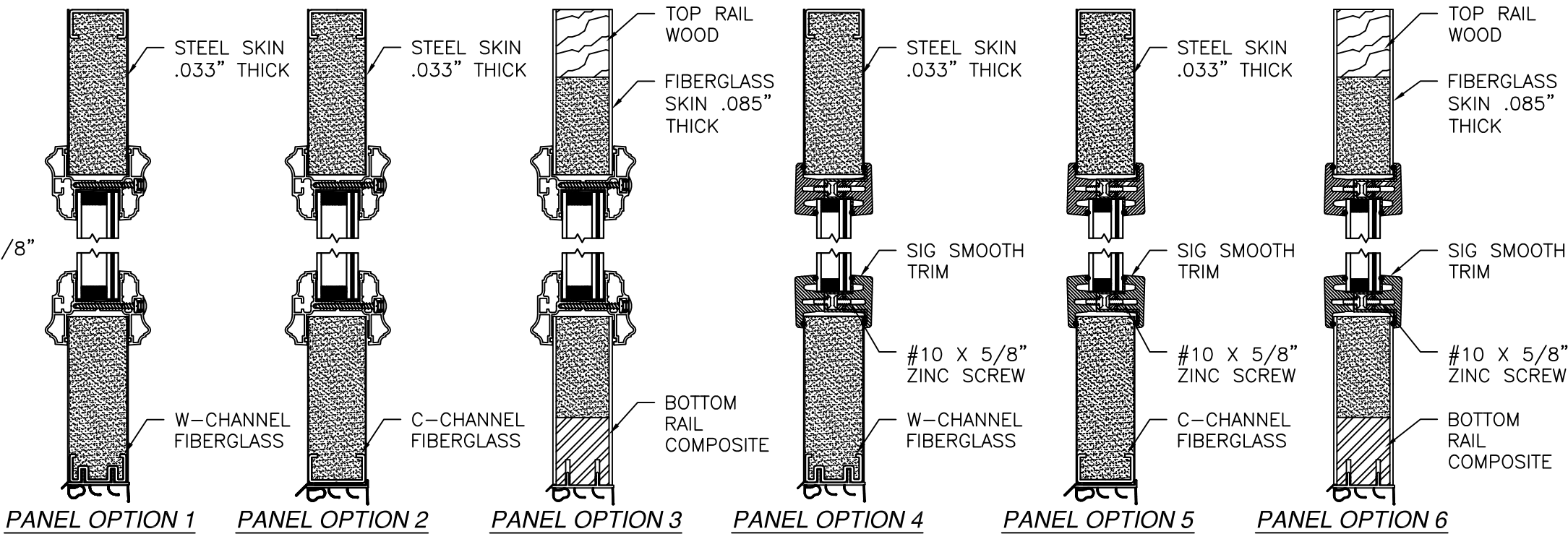
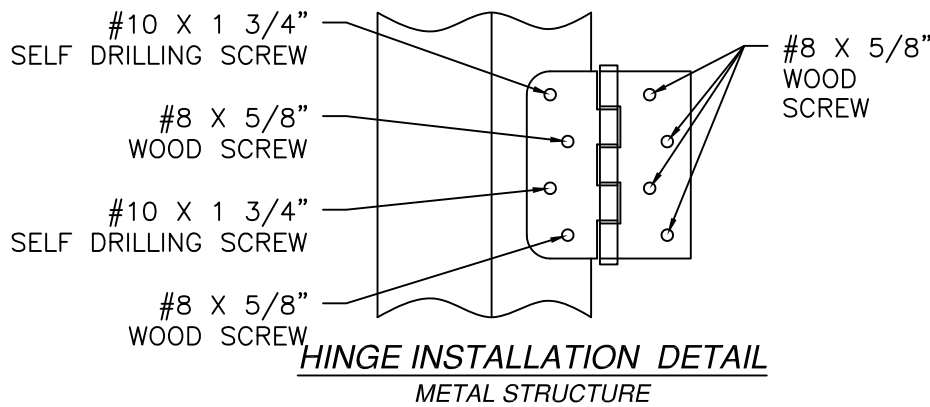
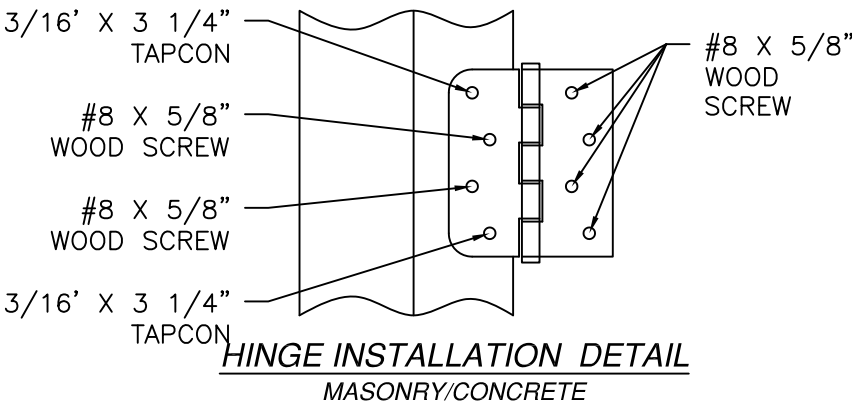
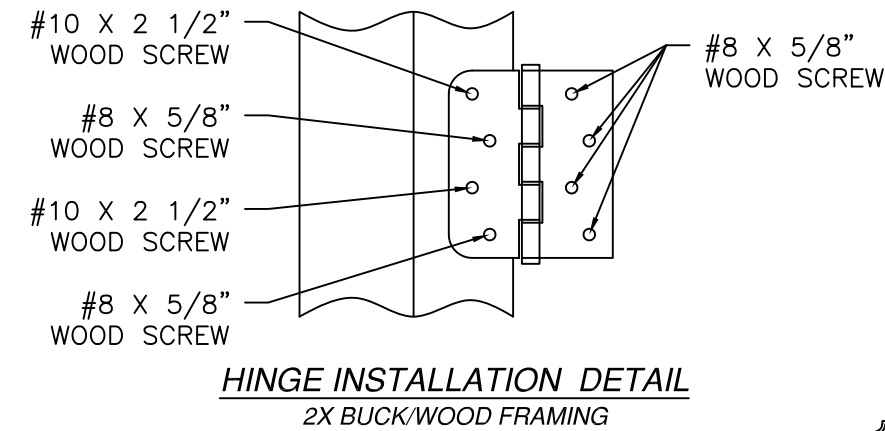
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES - IMPACT GLAZING DETAILS		
DRAWN: N.G.	DWG NO. 08-02035	REV J
SCALE NTS	DATE 05/21/13	SHEET 10 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
J	REVISED HARDWARE SCHEDULE	09/11/26	R.L.

APPROVED SIDELITE SLABS



SIGNED: 09/11/2026

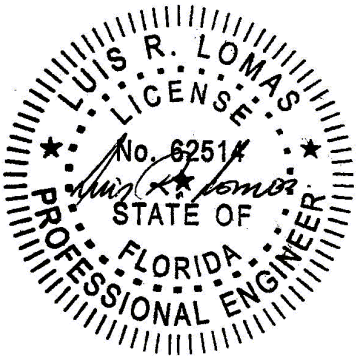
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES – IMPACT
COMPONENTS

DRAWN: N.G. DWG NO. 08-02035 REV J

SCALE NTS DATE 05/21/13 SHEET 11 OF 16

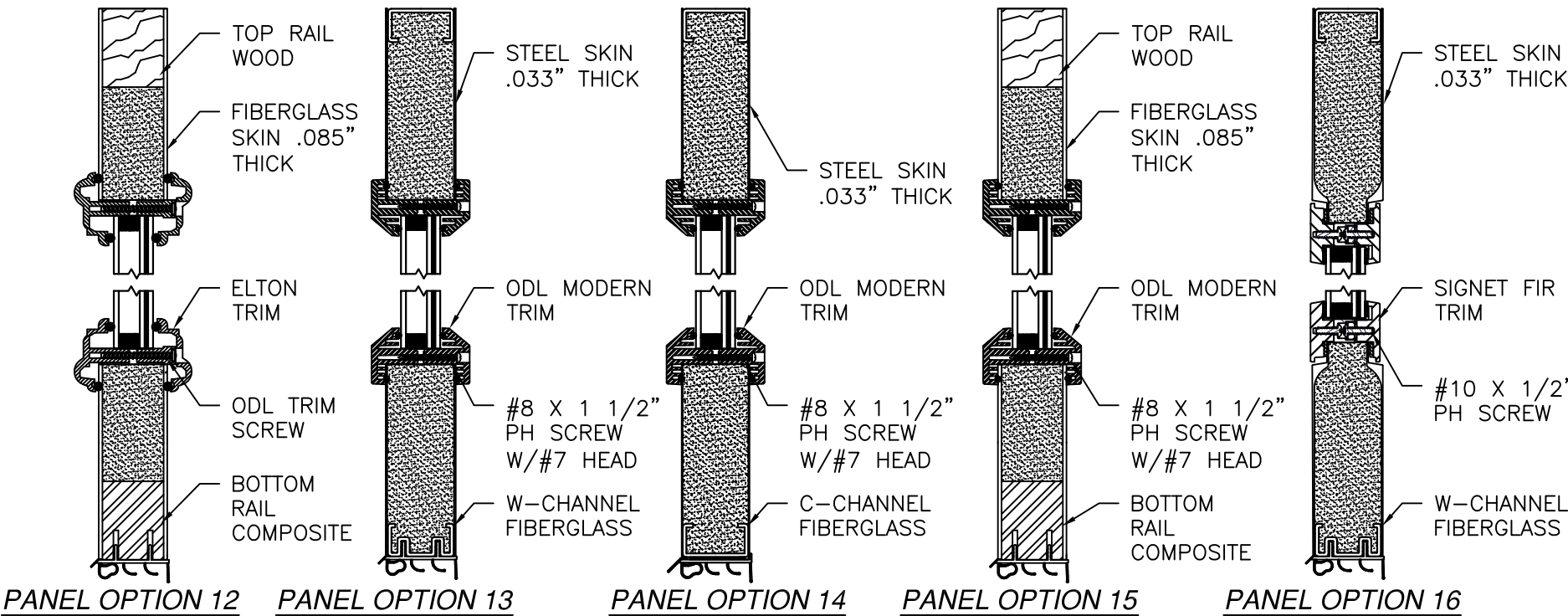
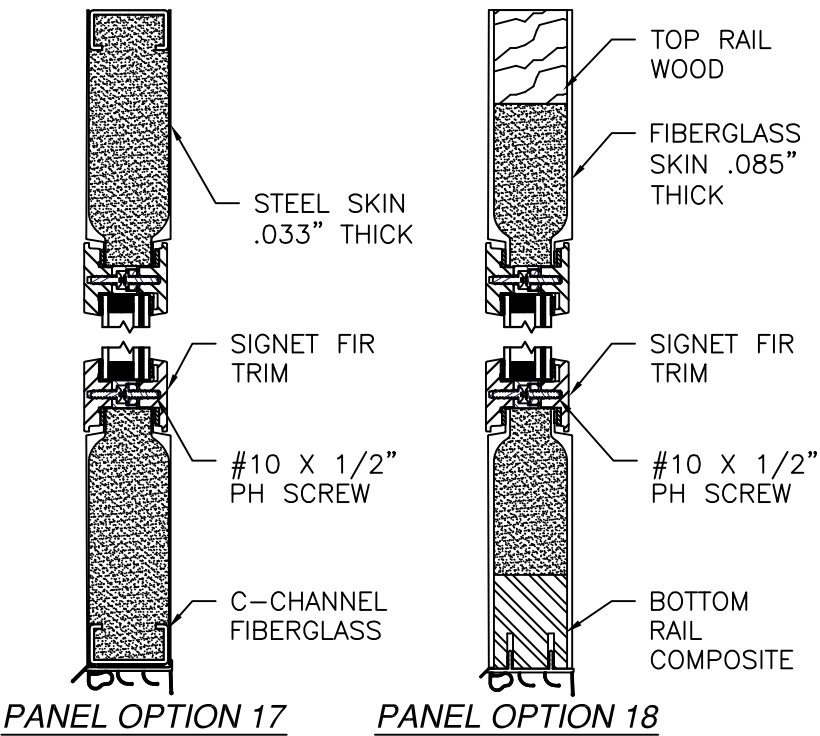
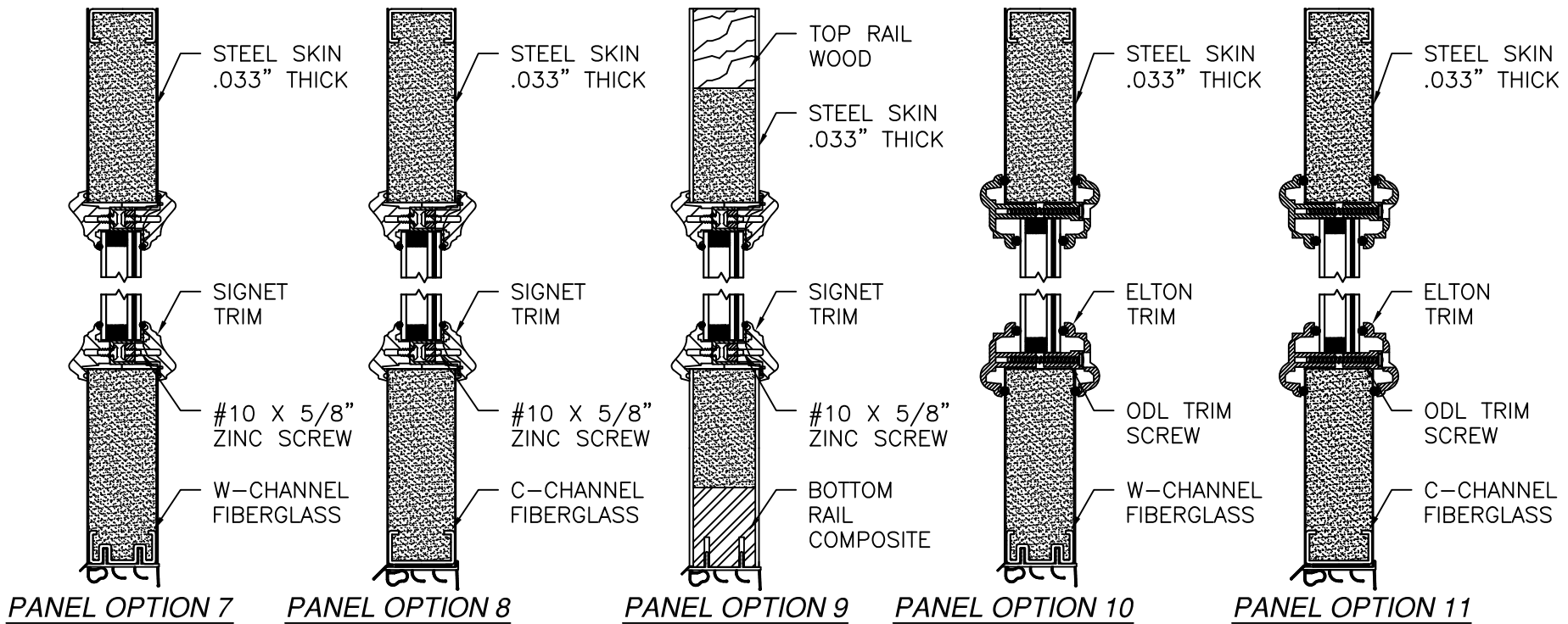
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APPROVED SIDELITE SLABS

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SIGNED: 09/11/2026

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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR
W/SIDELITES – IMPACT
APPROVED SLABS

DRAWN:
N.G.

DWG NO.
08-02035

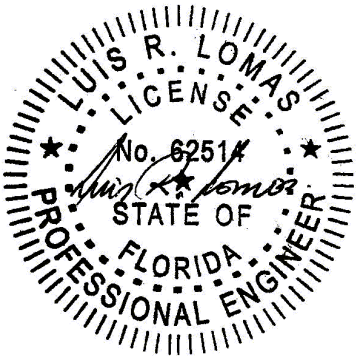
REV
J

SCALE
NTS

DATE
05/21/13

SHEET
12 OF 16

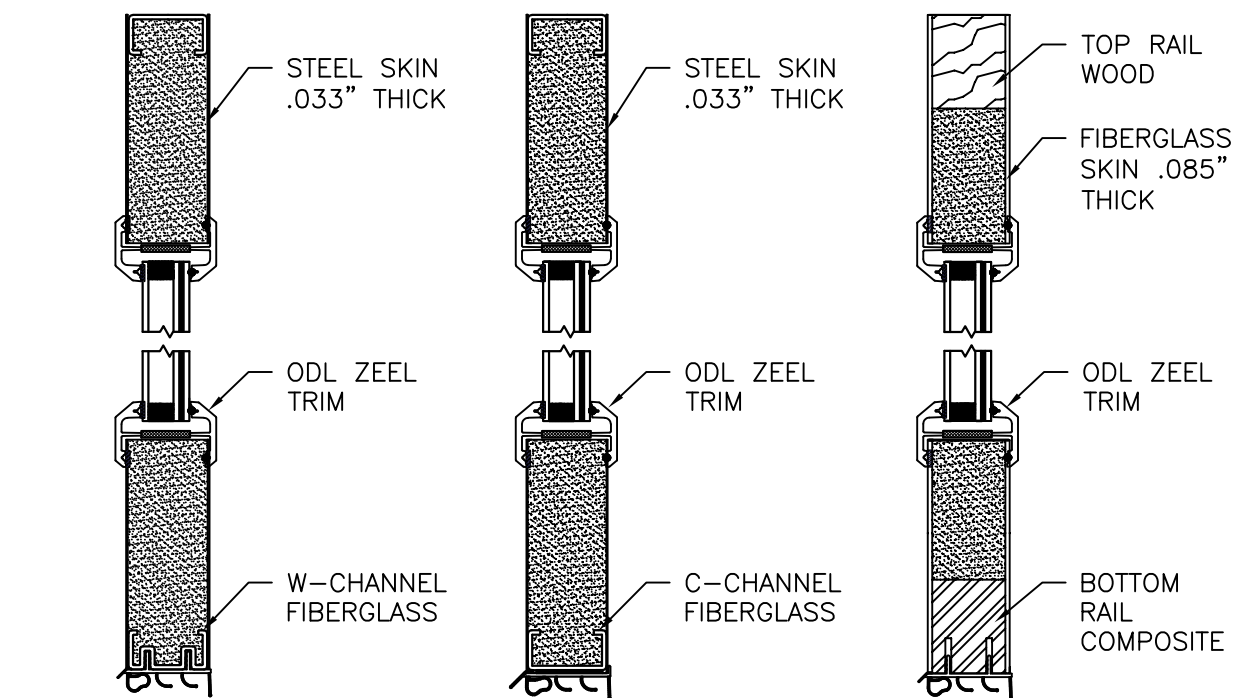
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434-688-0609 rllomas@lrlomaspe.com



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APPROVED SIDELITE SLABS

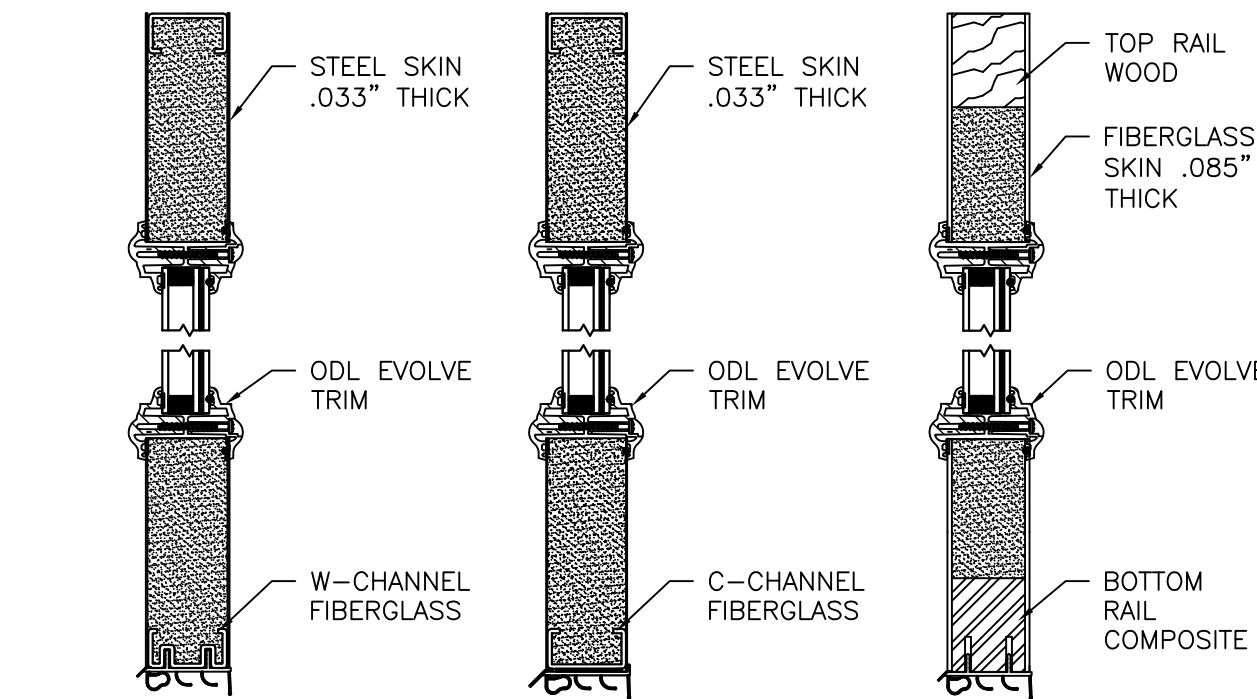
REVISIONS			
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PANEL OPTION 19

PANEL OPTION 20

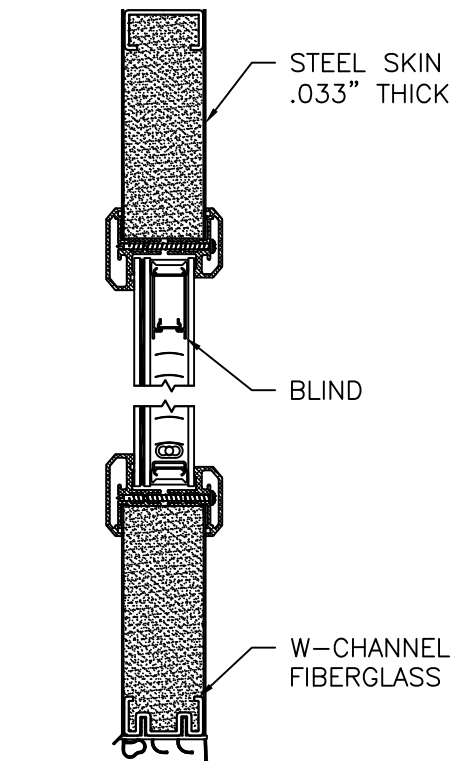
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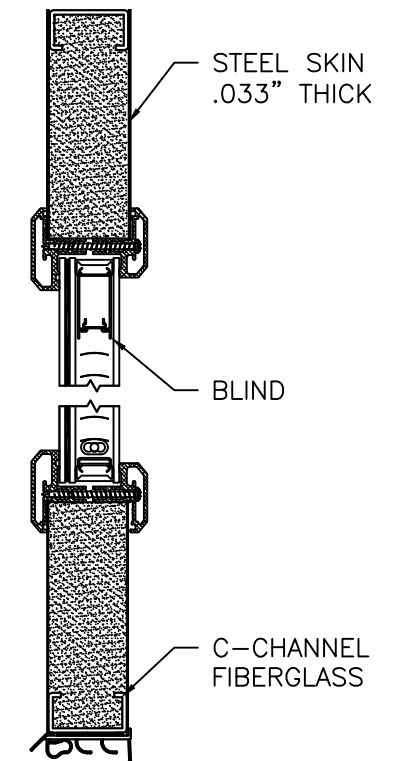
PANEL OPTION 22

PANEL OPTION 23

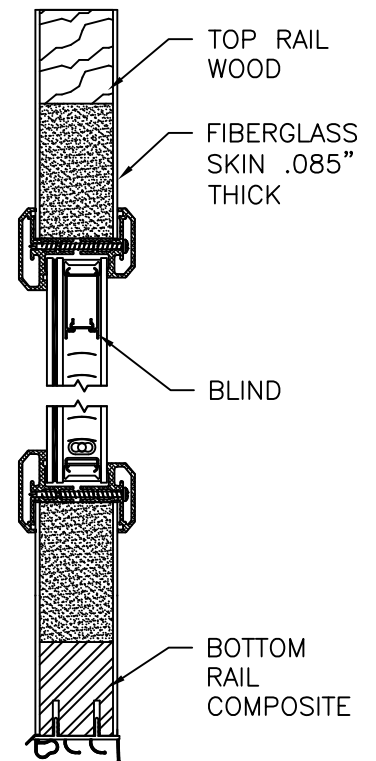
PANEL OPTION 24



PANEL OPTION 25
SEVERE WEATHER DUAL
GLAZED BLINDS



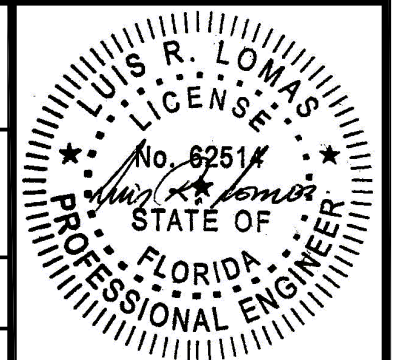
PANEL OPTION 26
SEVERE WEATHER DUAL
GLAZED BLINDS



PANEL OPTION 27
SEVERE WEATHER DUAL
GLAZED BLINDS

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES - IMPACT APPROVED SLABS		
DRAWN: N.G.	DWG NO. 08-02035	REV J
SCALE NTS	DATE 05/21/13	SHEET 13 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

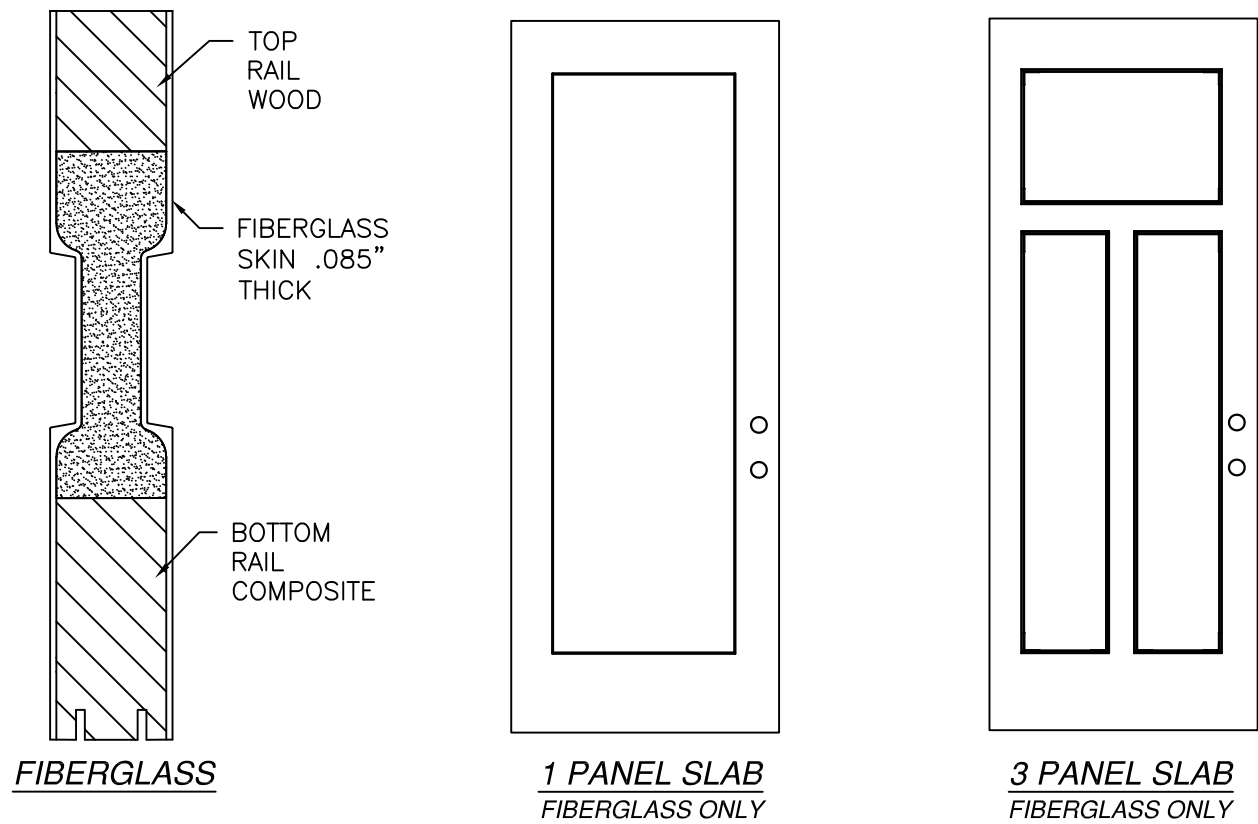
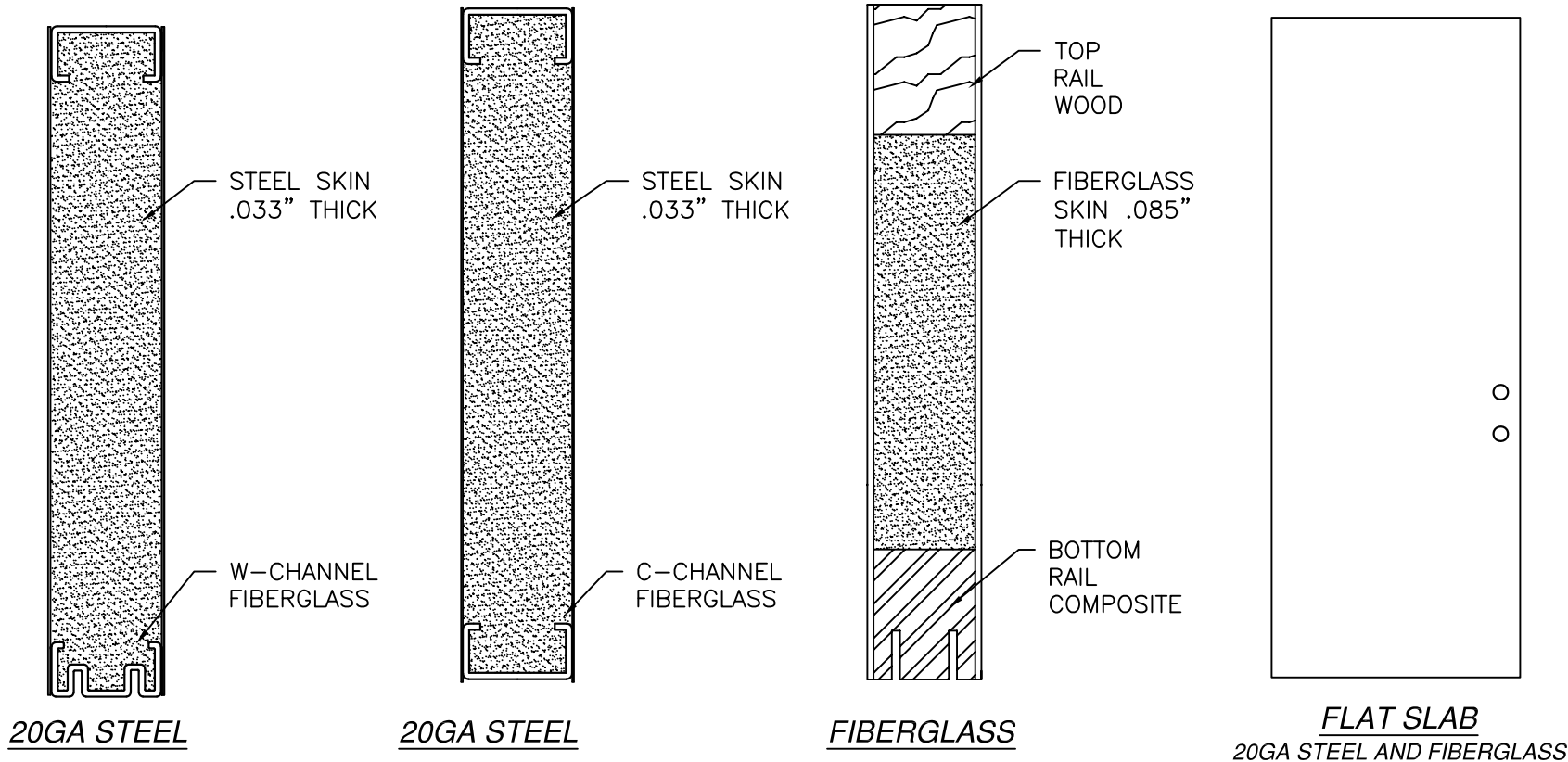
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FL No.: 62514

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 SINGLE DOOR
W/SIDELITES – IMPACT
APPROVED SLABS

DRAWN:
N.G.

DWG NO.
08-02035

REV
J

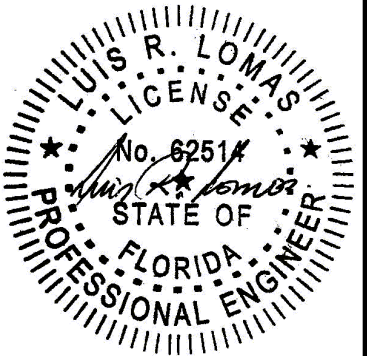
SCALE
NTS

DATE
05/21/13

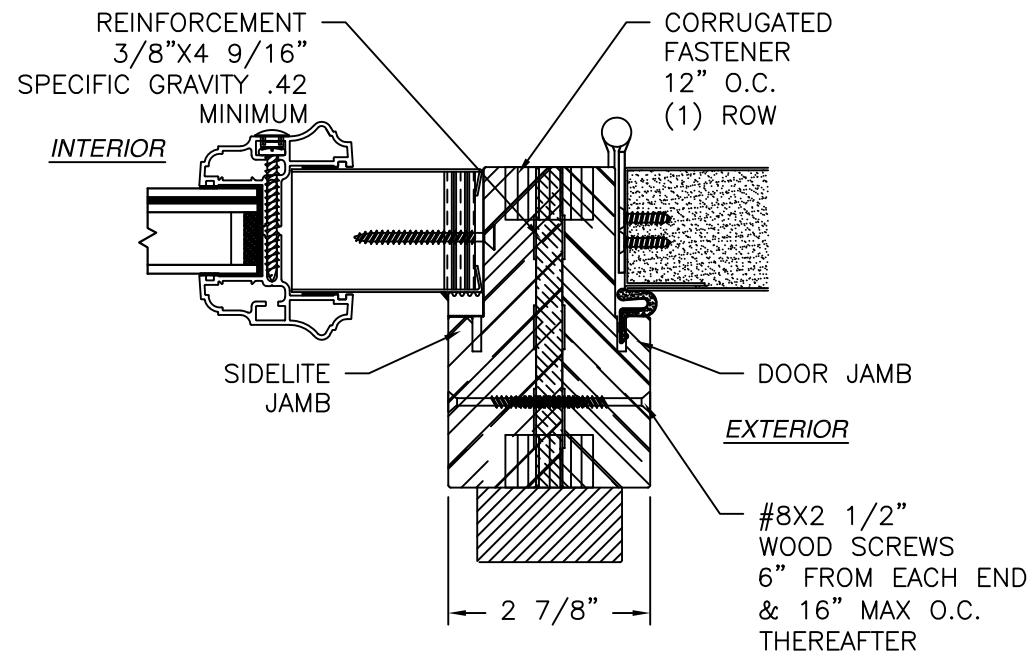
SHEET
14 OF 16

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

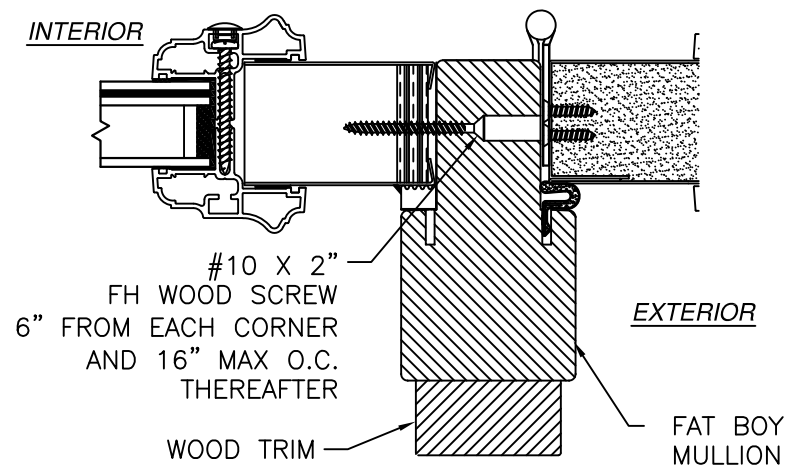
SIGNED: 09/11/2026



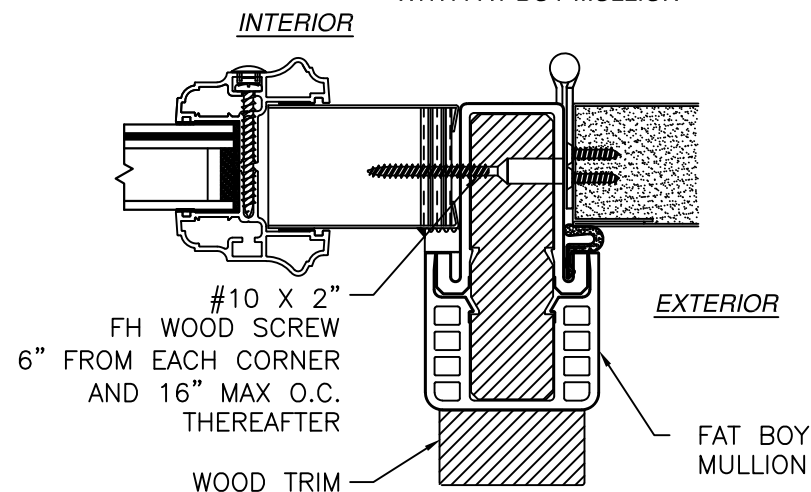
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL MULLION
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



MULLION DETAIL
WITH FAT BOY MULLION

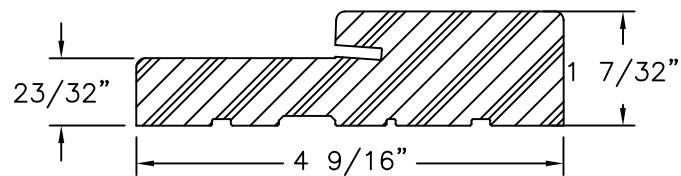


INSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION

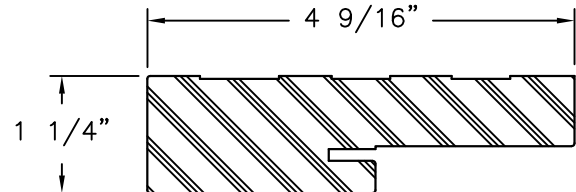
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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SIGNED: 09/11/2026

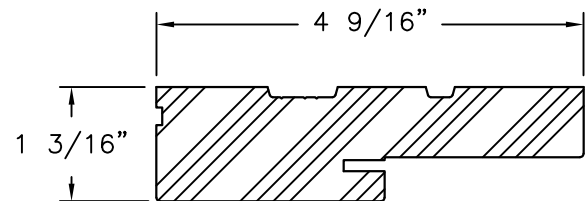
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681			
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES – IMPACT MULLION DETAILS			
DRAWN: N.G.	DWG NO. 08-02035	REV J	
SCALE NTS	DATE 05/21/13	SHEET 15 OF 16	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			Luis R. Lomas P.E. FL No.: 62514



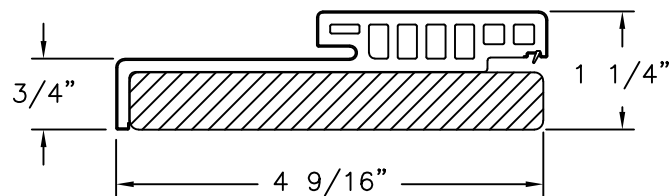
**FRAMESAVER
COMPOSITE**



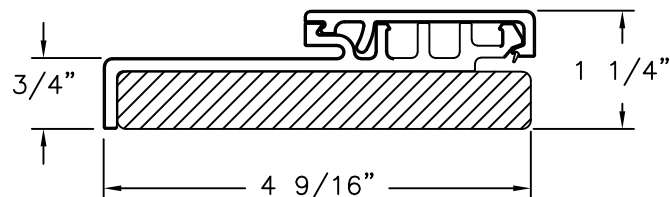
COMPOSITE FRAME PROFILE



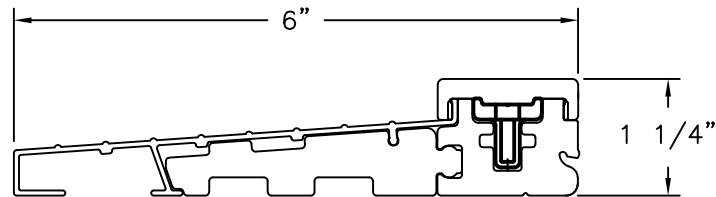
WOOD FRAME PROFILE



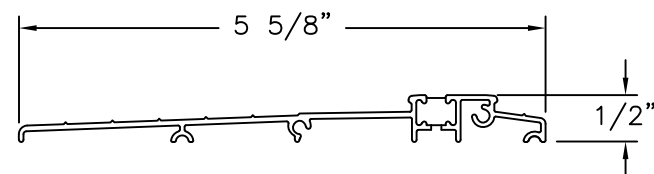
**HYBRID HEAD
WOOD/COMPOSITE**



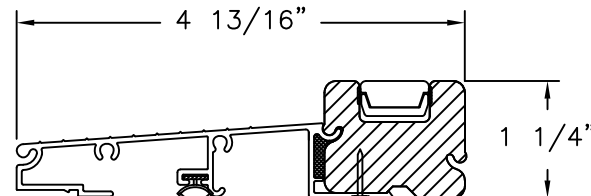
**HYBRID JAMB
WOOD/COMPOSITE**



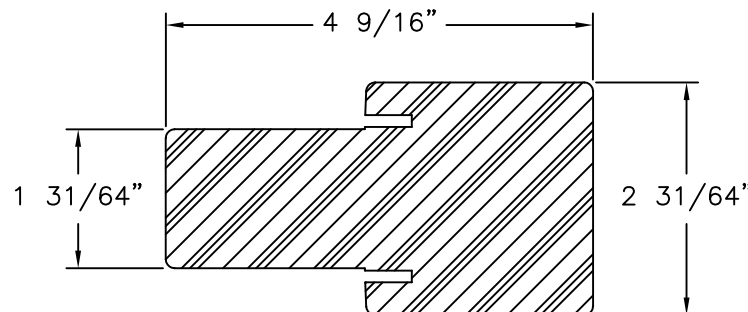
STANDARD INSWING THRESHOLD



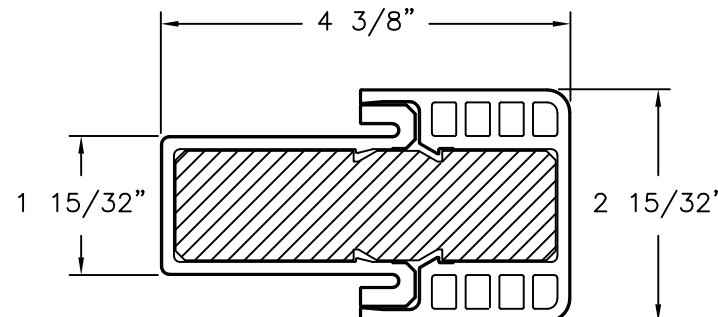
ADA THRESHOLD



SAHARA INSWING THRESHOLD

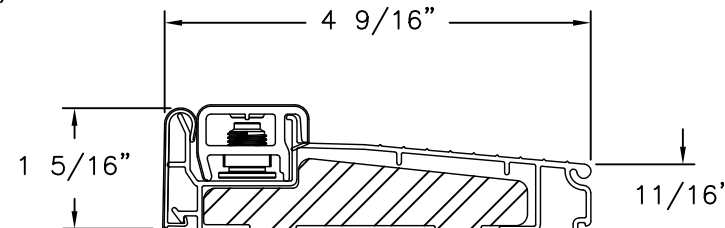


**FAT BOY MULLION
COMPOSITE**

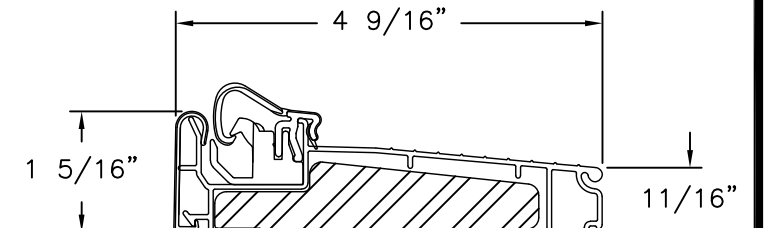


**HYBRID FAT BOY MULLION
COMPOSITE**

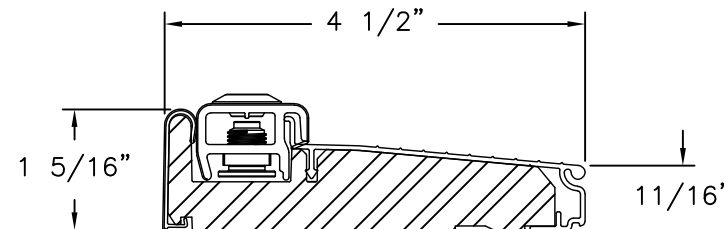
REVISIONS			
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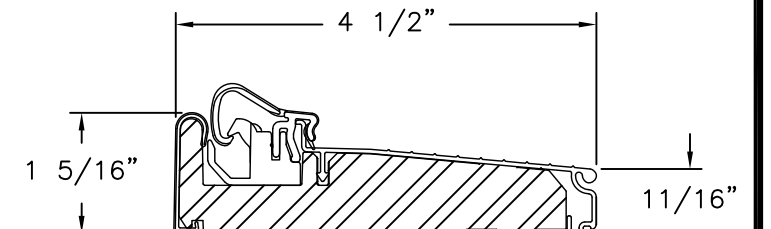
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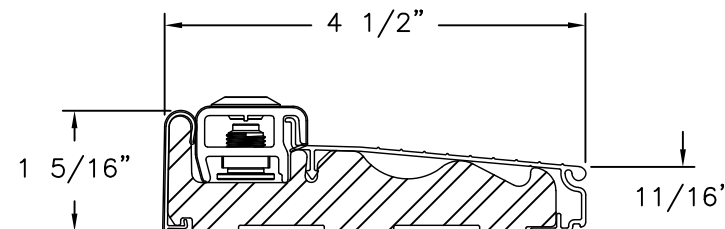
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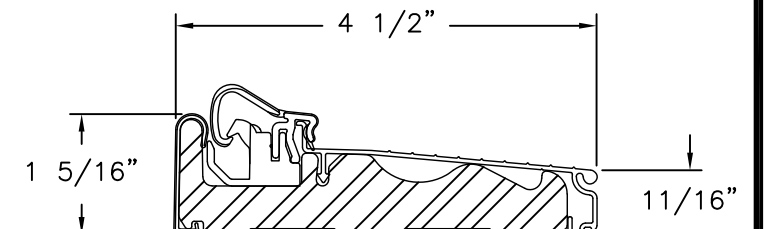
INSWING SILL ZAI4565F



INSWING SILL ZAC4565F



INSWING SILL ZAILH4565



INSWING SILL ZACLH4565

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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR W/SIDELITES – IMPACT COMPONENTS		
DRAWN: N.G.	DWG NO. 08-02035	REV J
SCALE NTS	DATE 05/21/13	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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