

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	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. 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.
5. 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).
6. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. 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".

9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. 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.
11. FOR ANCHORING INTO METAL STRUCTURE USE #8 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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:

13.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

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

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

13.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

SIGNED: 09/09/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS & APPROVED CONFIGURATIONS
3 – 6	INSTALLATION DETAILS
7 – 11	COMPONENTS AND DETAILS

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

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02073

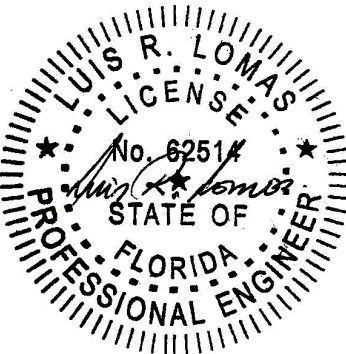
REV
L

SCALE
NTS

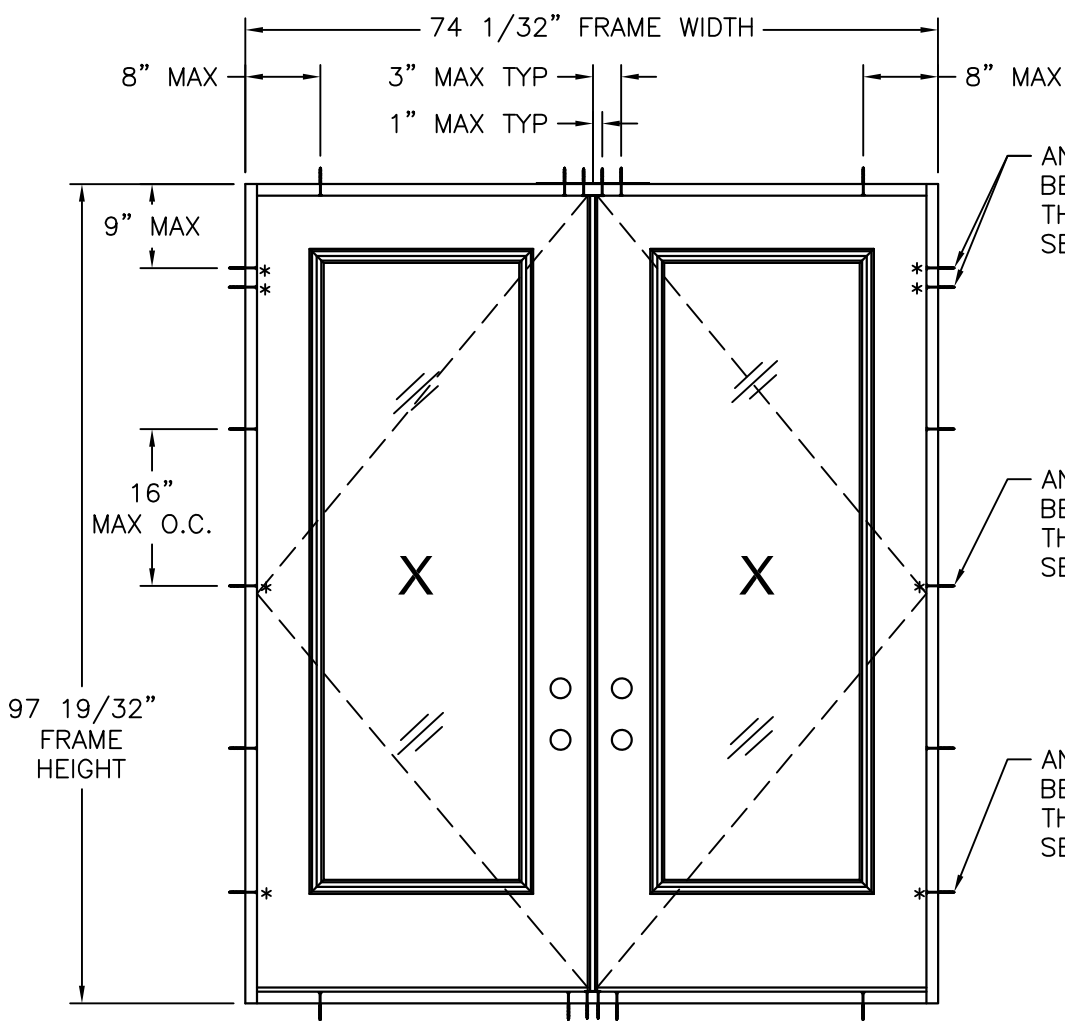
DATE
06/19/13

SHEET
1 OF 11

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



DOUBLE DOOR

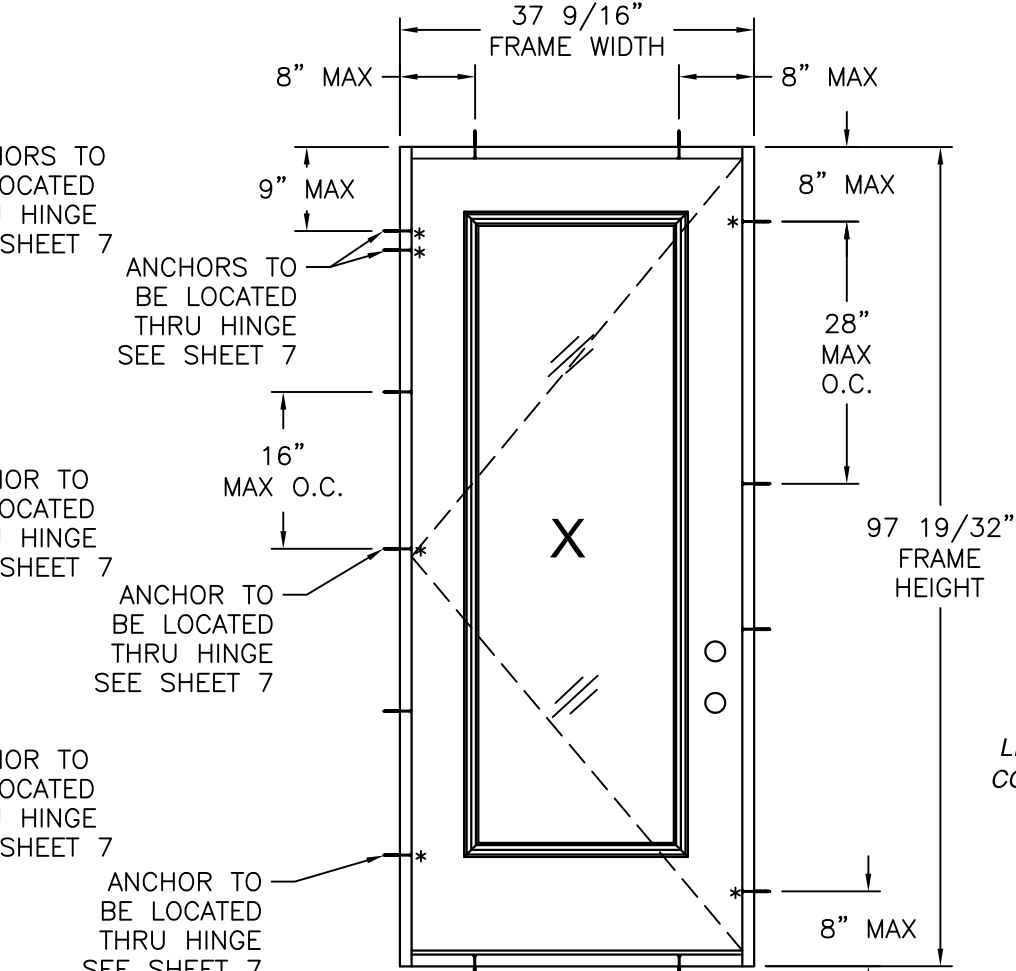
DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH STEEL SLAB

DESIGN PRESSURE RATING	IMPACT RATING
+48.0/-52.0	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH FIBERGLASS SLAB

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.	OUTSWING HURRICANE ASTRAGAL BY ENDURA
H.	(3) 4" X 4" BALL BEARING HINGES BY PENROD
I.	(3) 4" X 4" SPRING BOMMER HINGES BY PENROD (ALTERNATE)



SINGLE DOOR

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH STEEL SLAB AND PANOLOCK MULTI-POINT

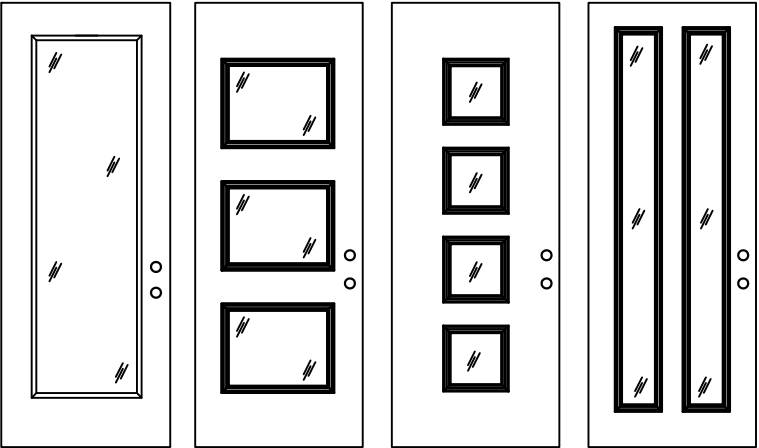
DESIGN PRESSURE RATING	IMPACT RATING
+48.0/-50.0	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

WITH FIBERGLASS SLAB AND PANOLOCK MULTI-POINT

- NOTES;
- HINGES ARE LOCATED AT 10", 50" AND 89" FROM TOP CORNER.
 - APPROVED CONFIGURATIONS MAY BE RIGHT OR LEFT HAND.
 - PANEL SIZE 35 3/4" X 94 15/16".
 - D.L.O. 20 3/8" X 78 1/2".
 - JAMBS ARE ASSEMBLED TO HEAD FRAME WITH (3) #8X3" WOOD SCREWS AT EACH JAMB.
 - JAMBS ARE ASSEMBLED TO THRESHOLD WITH (3) #6X1-1/2" WOOD SCREWS AT EACH JAMB.

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

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 11.5 FT²

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

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

SIGNED: 09/09/2026

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

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
ELEVATIONS & APPROVED CONFIGURATIONS

DRAWN:
N.G.

DWG NO.
08-02073

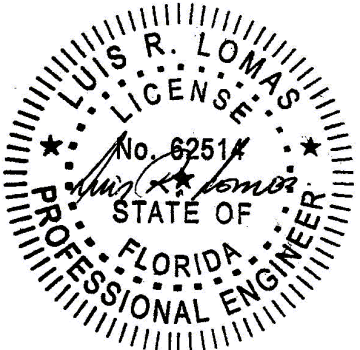
REV
L

SCALE
NTS

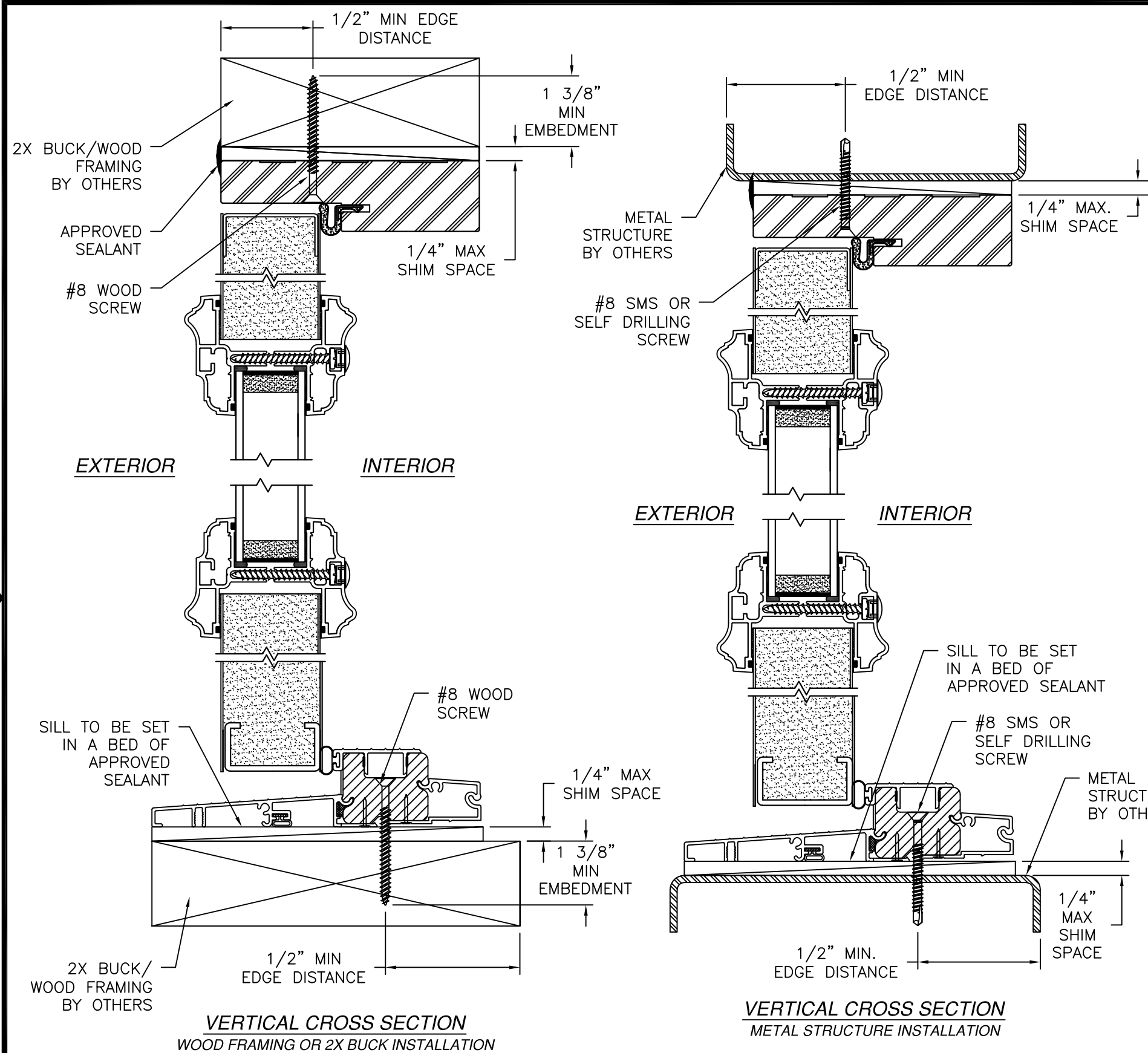
DATE
06/19/13

SHEET
2 OF 11

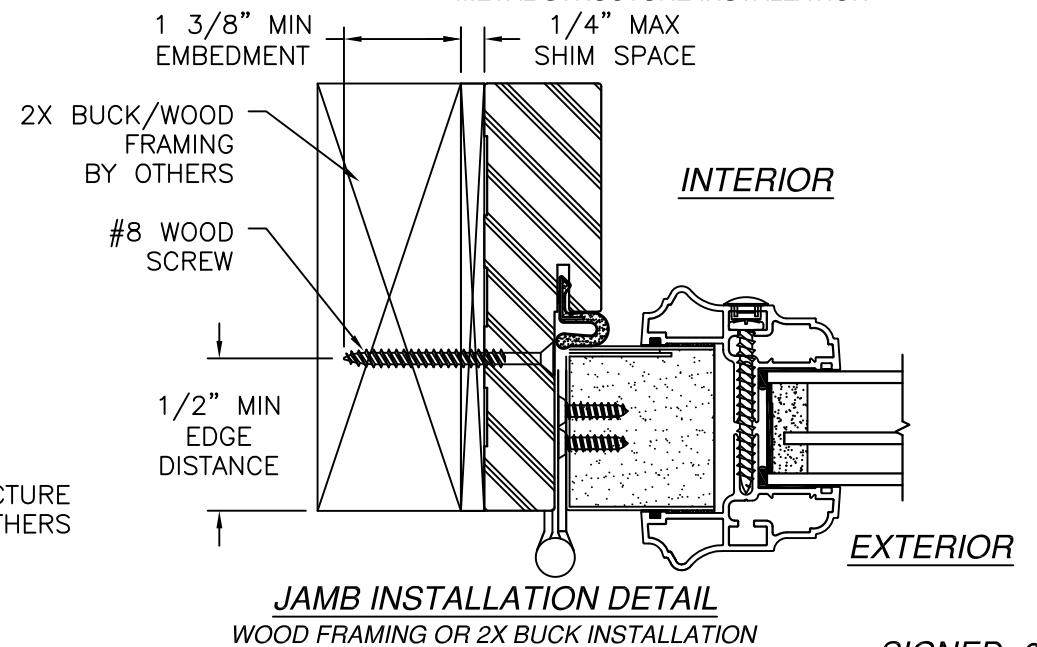
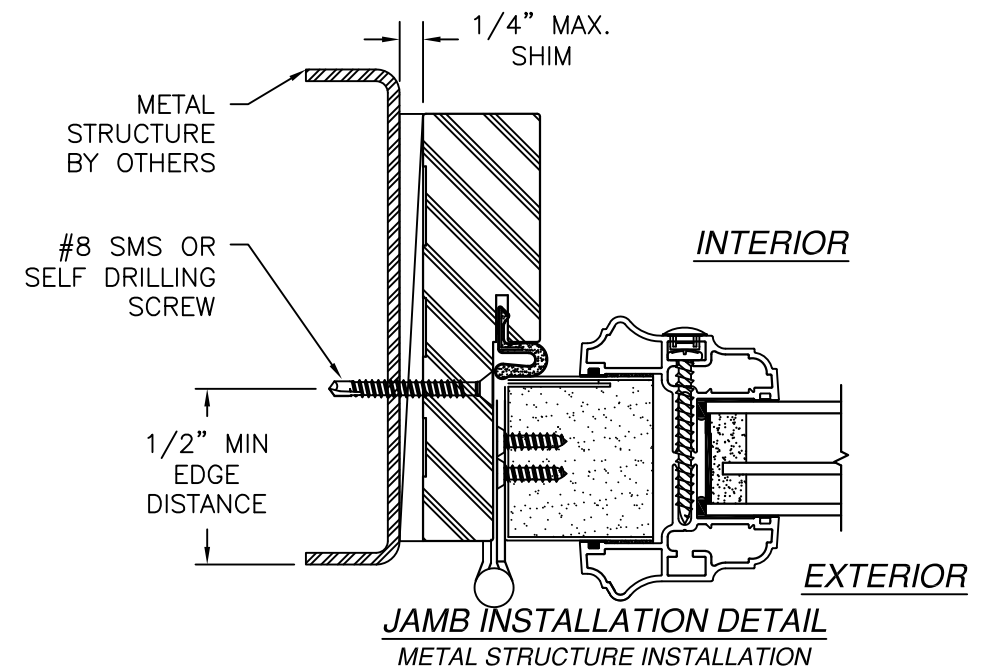
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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



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



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

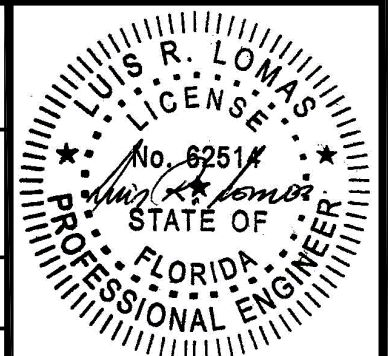
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

**STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
INSTALLATION DETAILS**

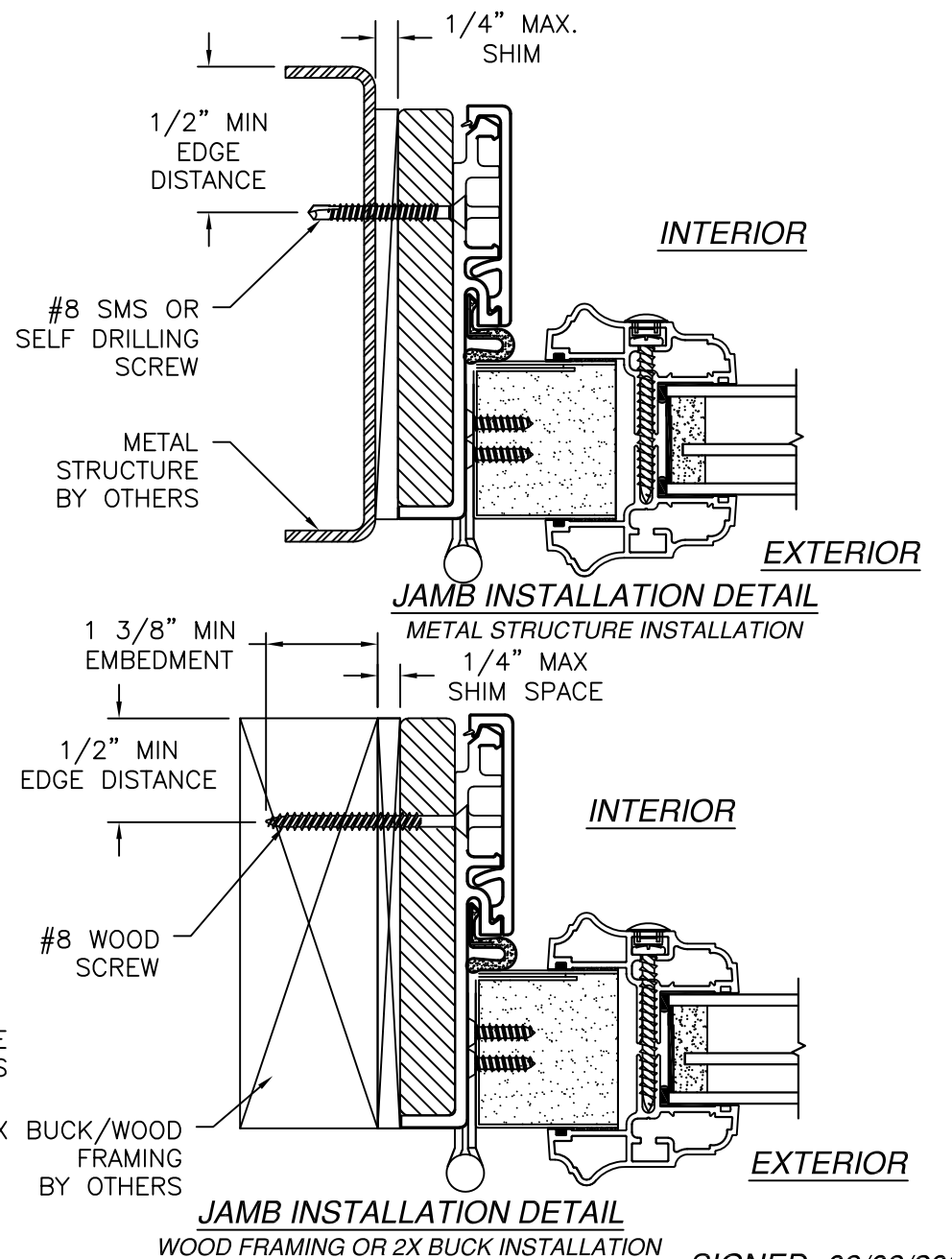
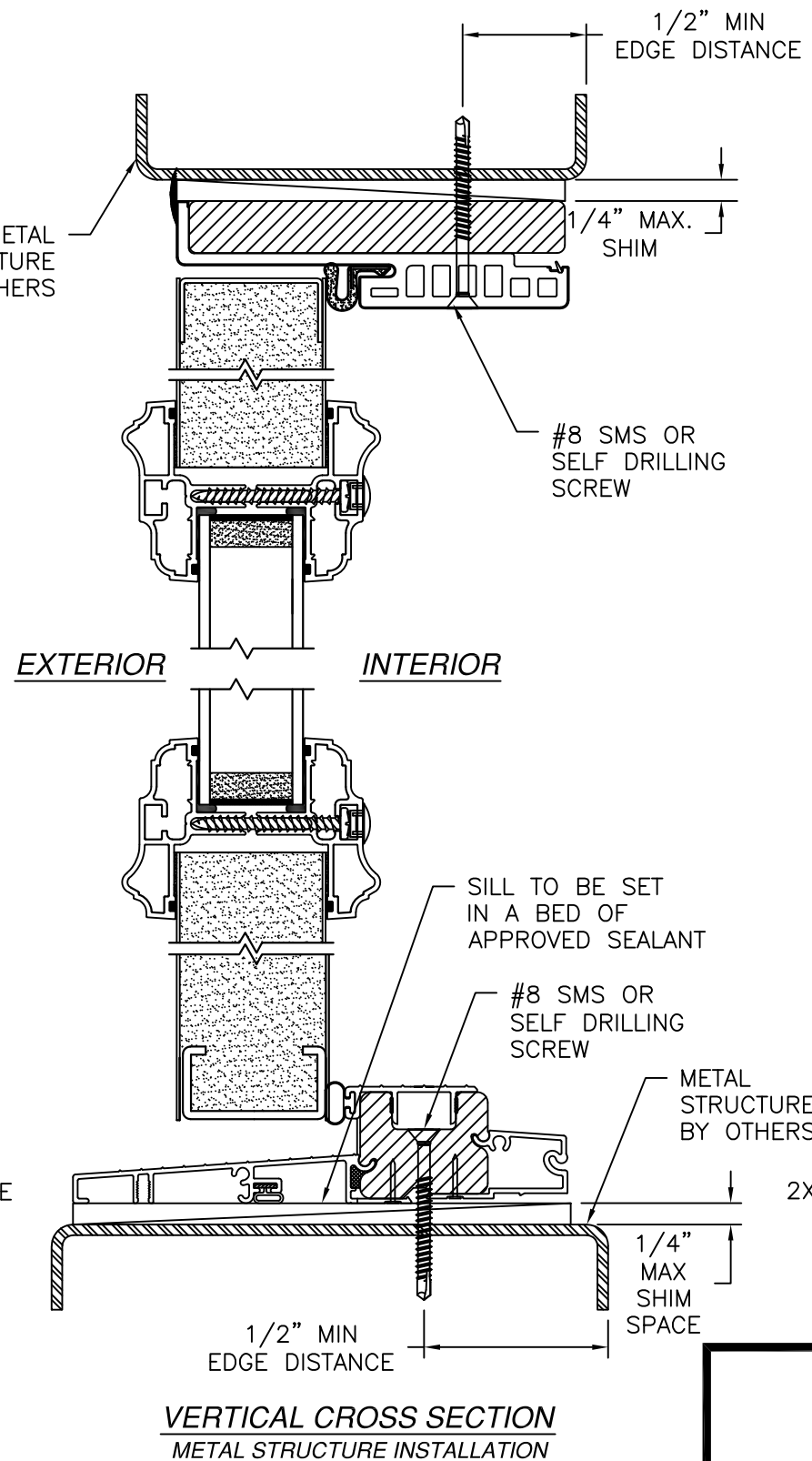
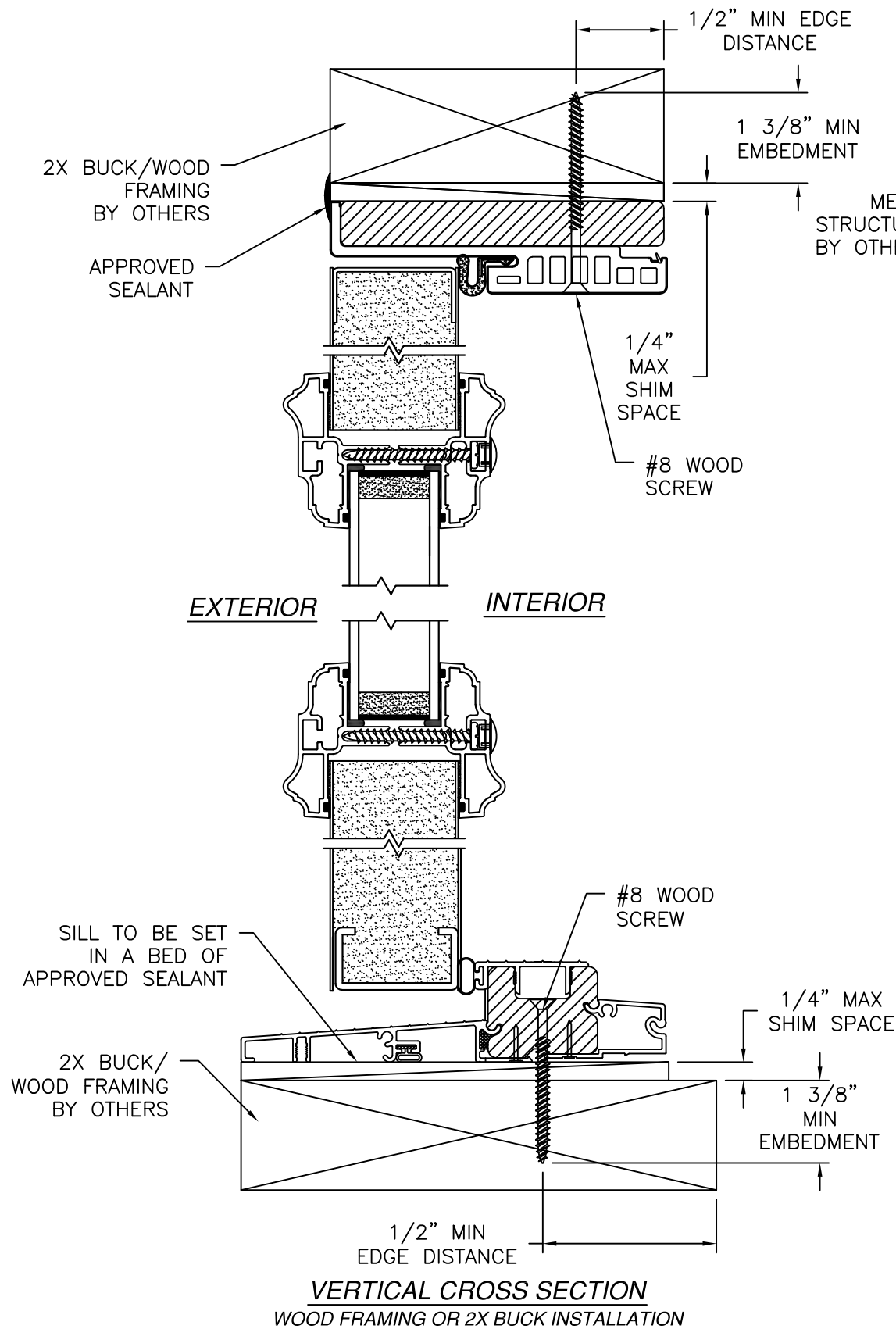
DRAWN: N.G.	DWG NO. 08-02073	REV L
SCALE NTS	DATE 06/19/13	SHEET 3 OF 11

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



SIGNED: 09/09/2026

- 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

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

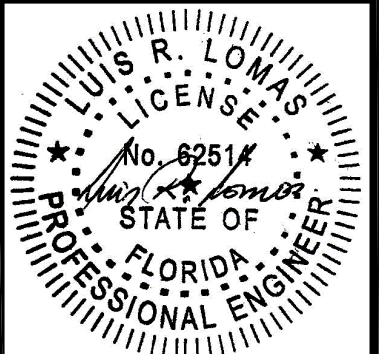
PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

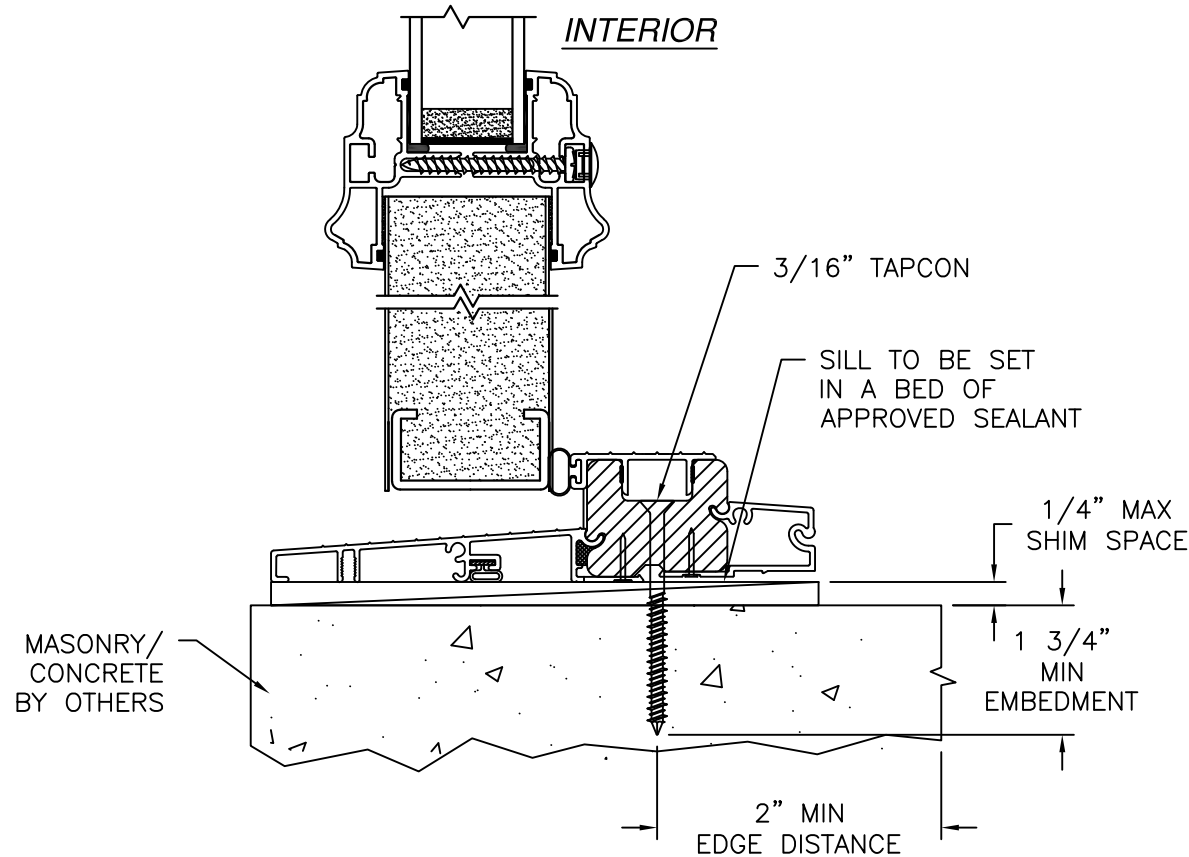
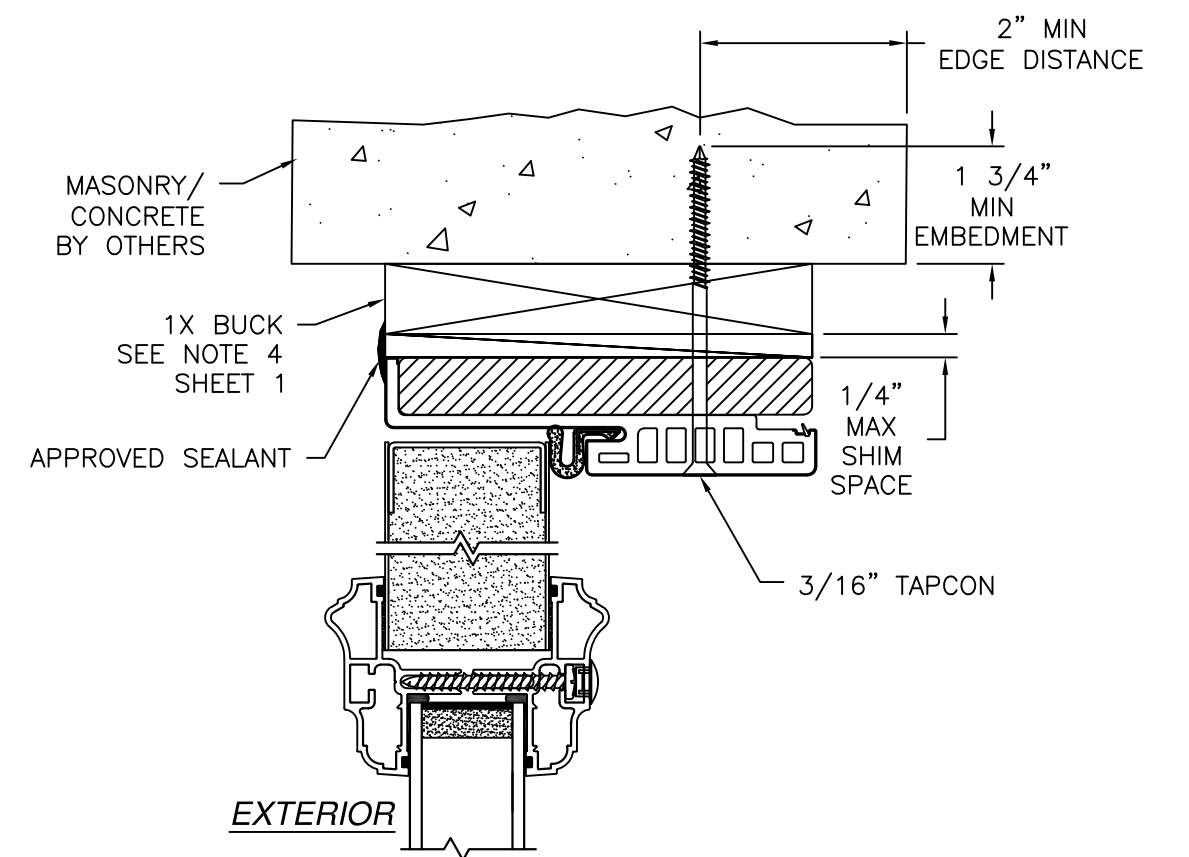
DRAWN: N.G.	DWG NO. 08-02073	REV L
SCALE NTS	DATE 06/19/13	SHEET 5 OF 11

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

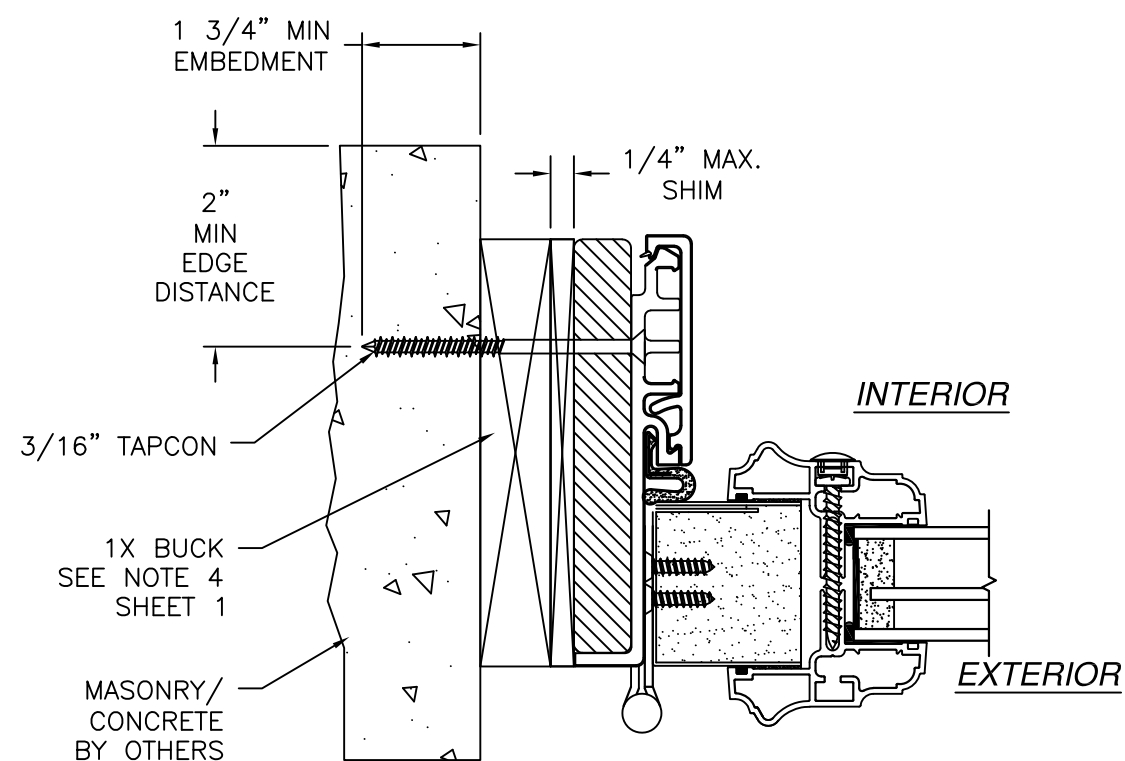


Luis R. Lomas P.E.
FL No.: 62514

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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- 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: 09/09/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN:
N.G.

DWG NO.
08-02073

REV
L

SCALE
NTS

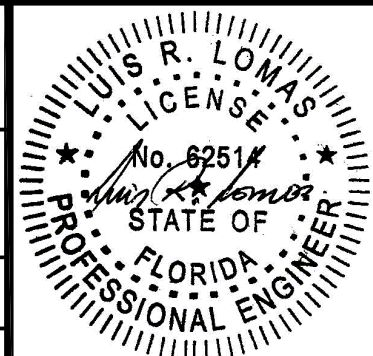
DATE
06/19/13

SHEET
6 OF 11

L. ROBERTO LOMAS P.E.

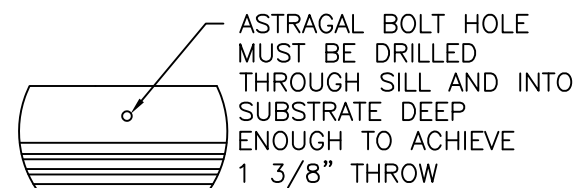
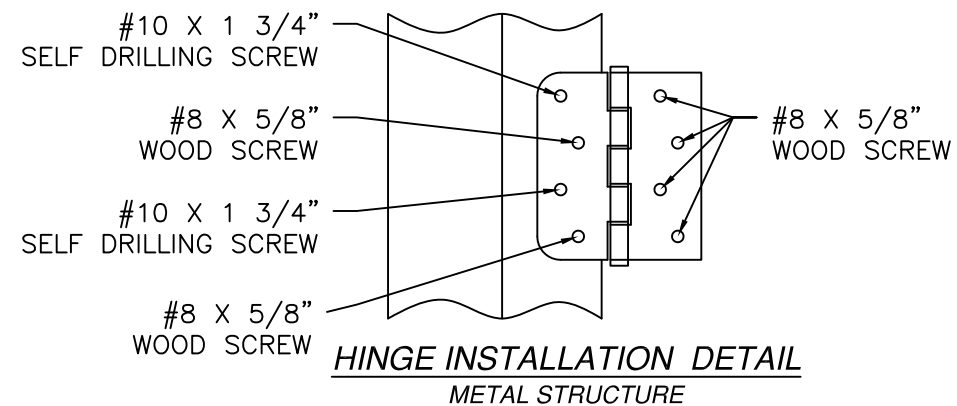
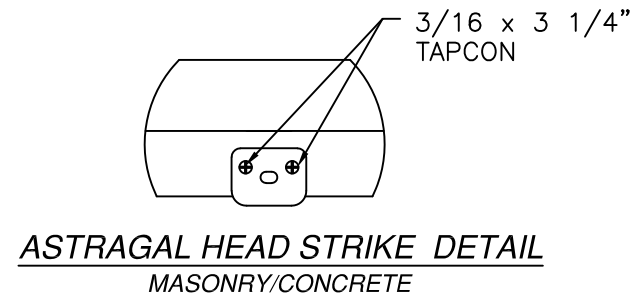
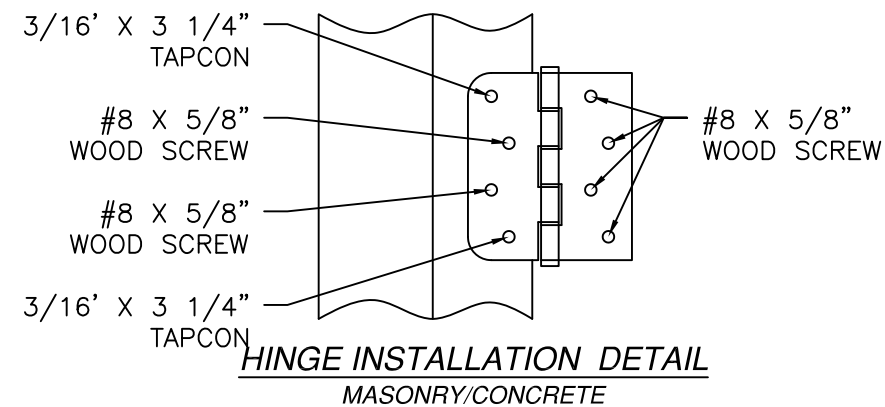
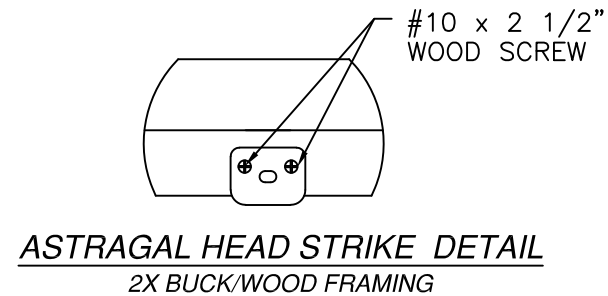
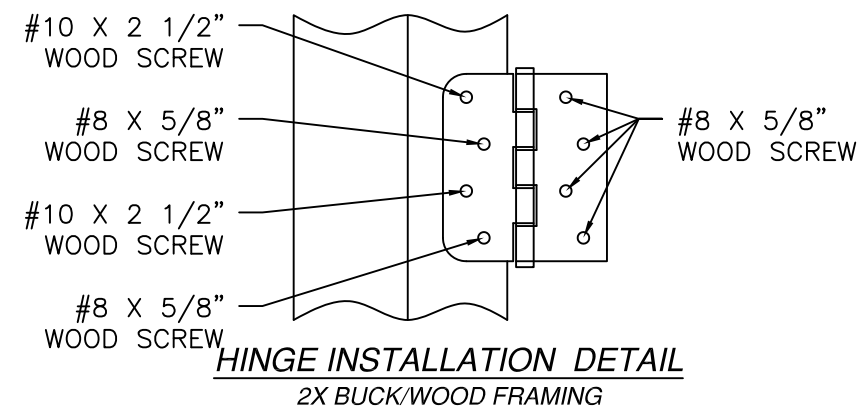
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

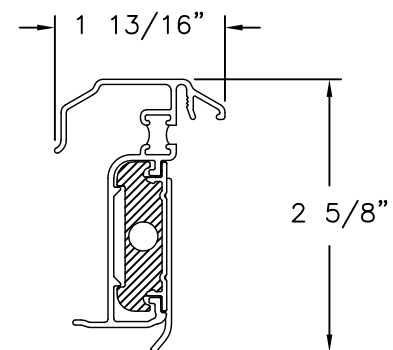


Luis R. Lomas P.E.
FL No.: 62514

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



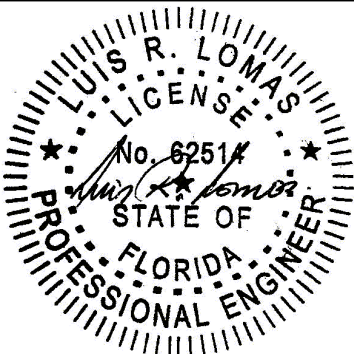
ASTRAGAL SILL DETAIL



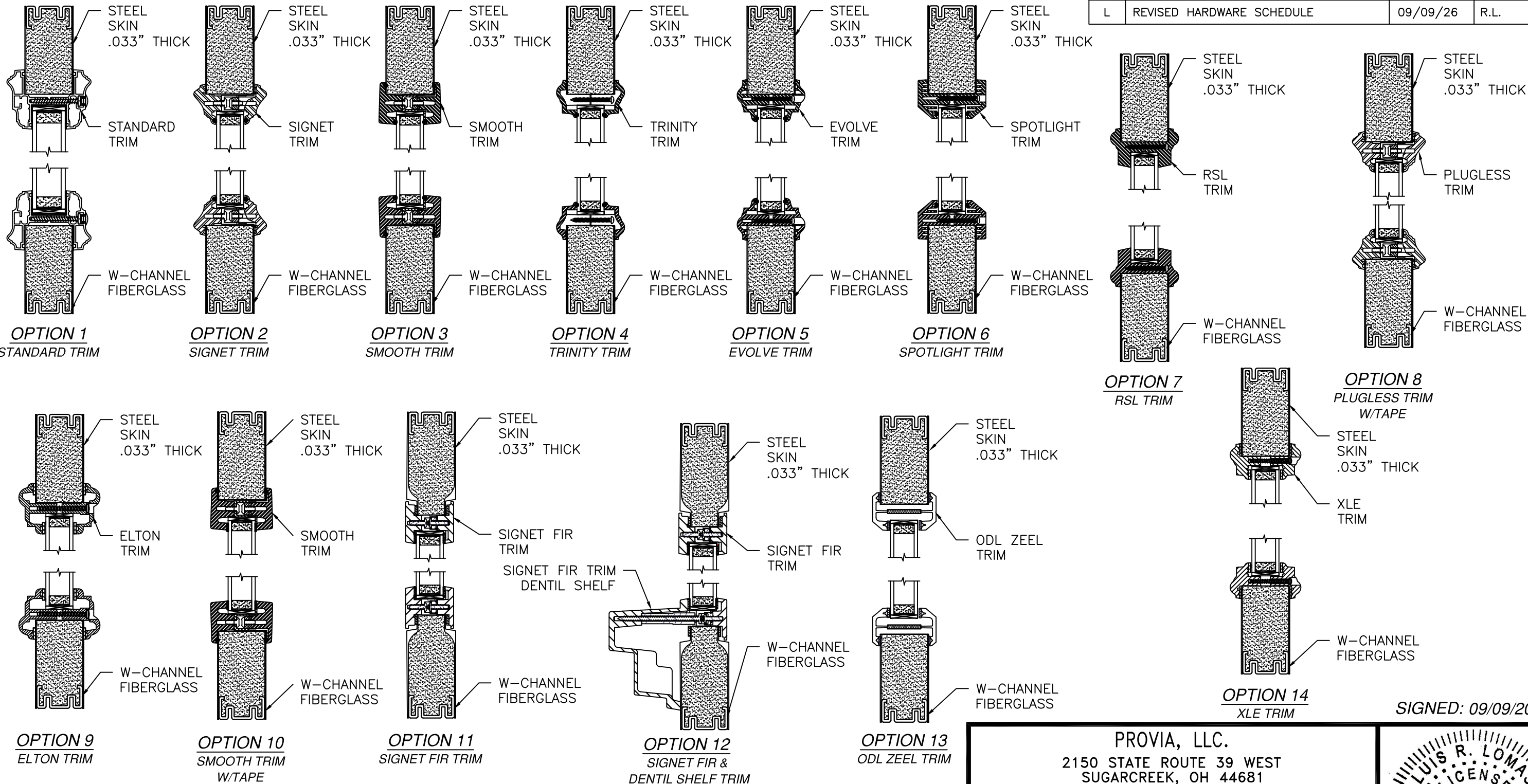
HURRICANE ASTRAGAL DETAIL

SIGNED: 09/09/2026

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681			
STEEL/FIBERGLASS OUTSWING GLAZED DOOR SINGLE & DOUBLE NON-IMPACT COMPONENTS DETAILS			
DRAWN: N.G.		DWG NO. 08-02073	
SCALE NTS		DATE 06/19/13	REV L
SHEET 7 OF 11			
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
L	REVISED HARDWARE SCHEDULE	09/09/26	R.L.

APPROVED SLABS AND TRIMS

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

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN: N.G.	DWG NO. 08-02073	REV L
SCALE NTS	DATE 06/19/13	SHEET 8 OF 11

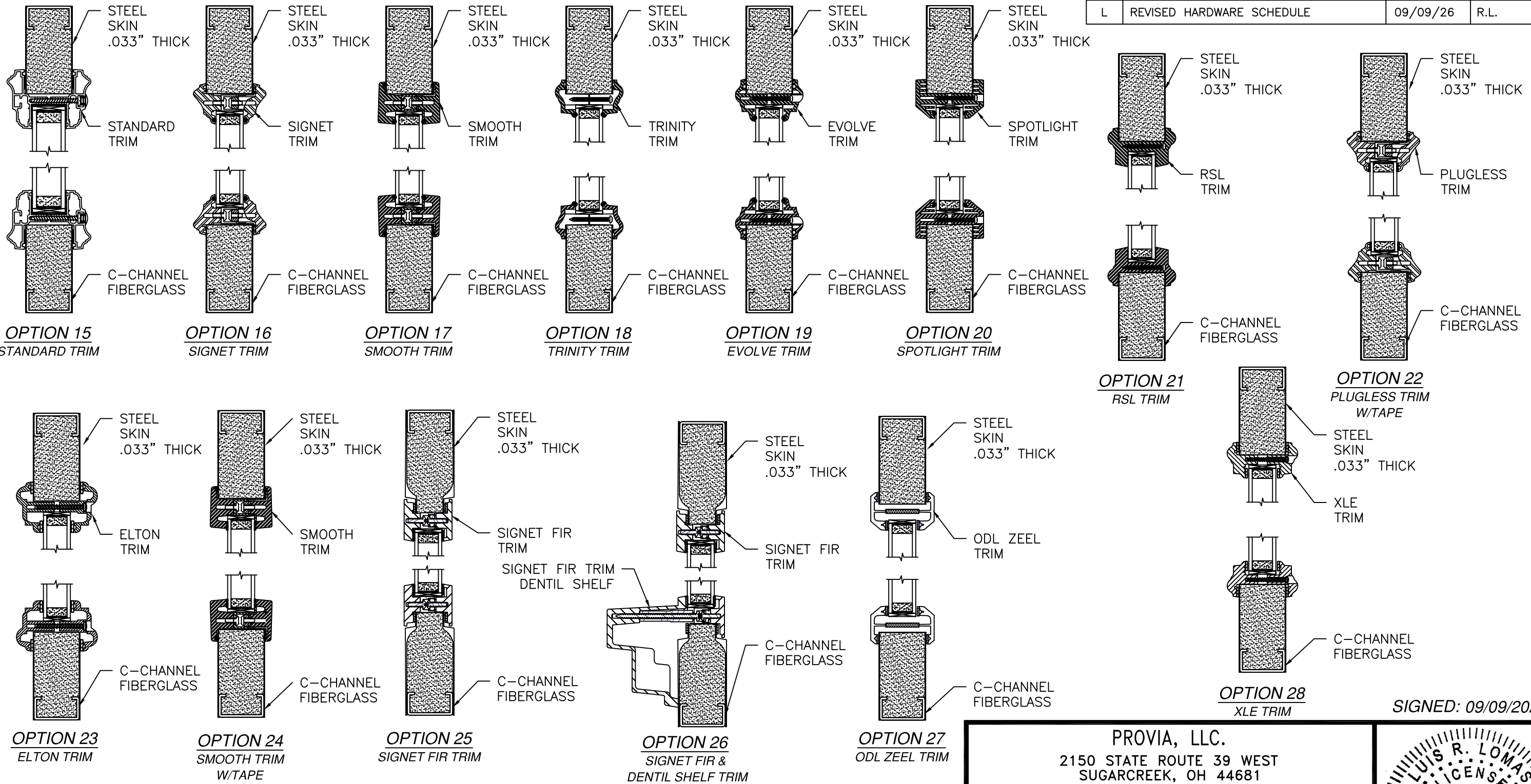
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026

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

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

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



APPROVED SLABS AND TRIMS

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
APPROVED SLABS AND TRIMS

DRAWN:
N.G.

DWG NO.
08-02073

REV
L

SCALE
NTS

DATE
06/19/13

SHEET
9 OF 11

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/09/2026

LUIS R. LOMAS

LICENS. M. S.

No. 62514

STATE OF

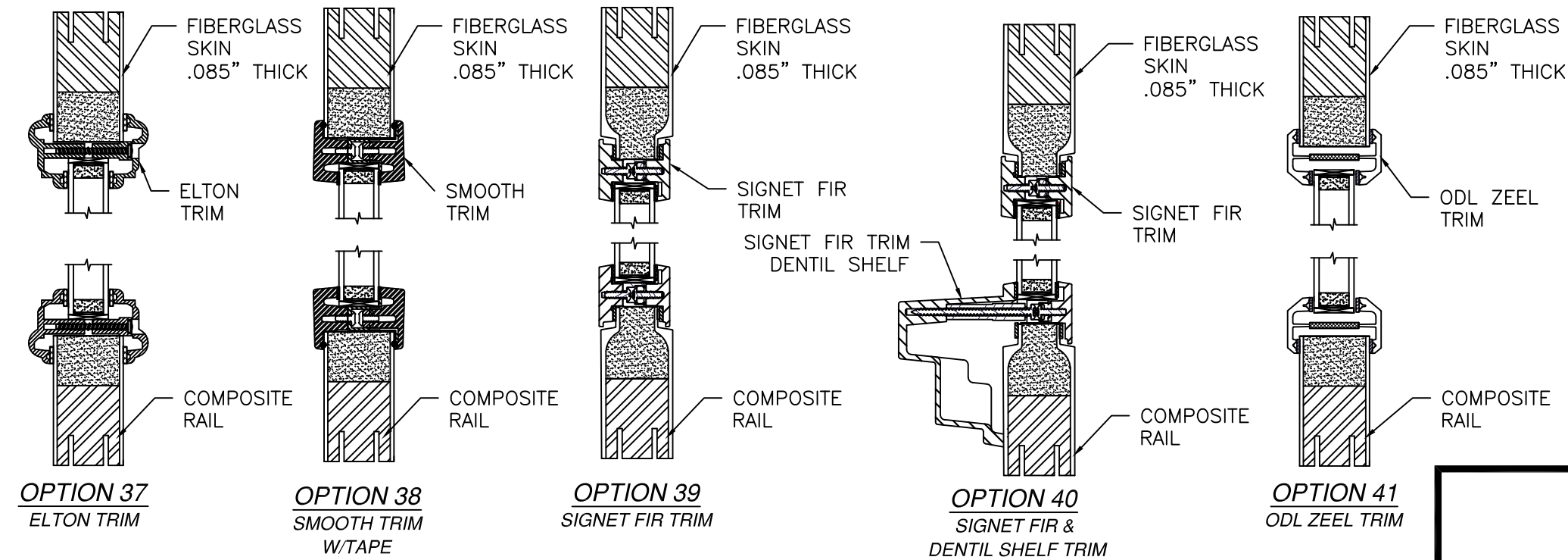
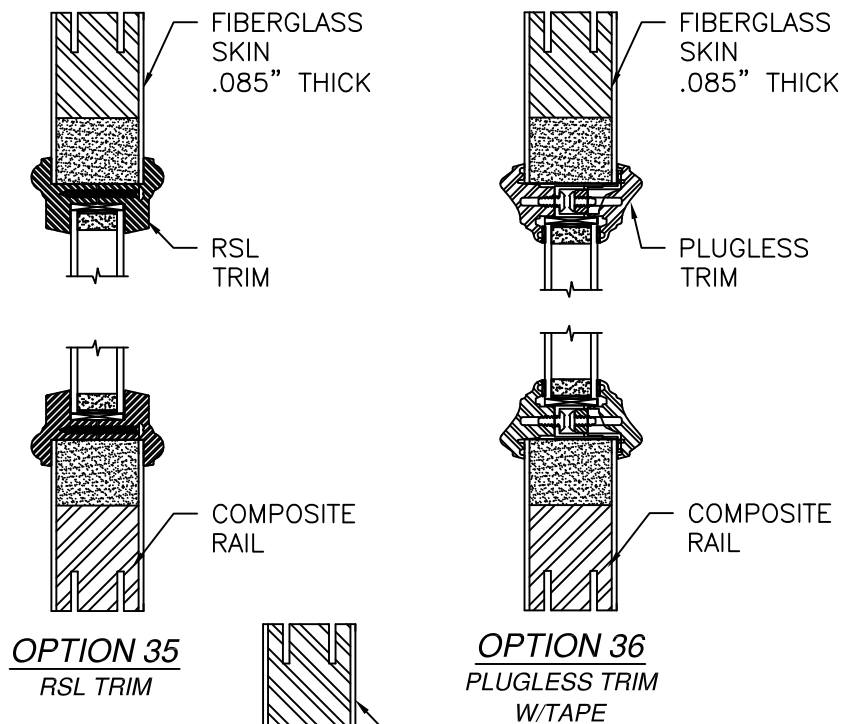
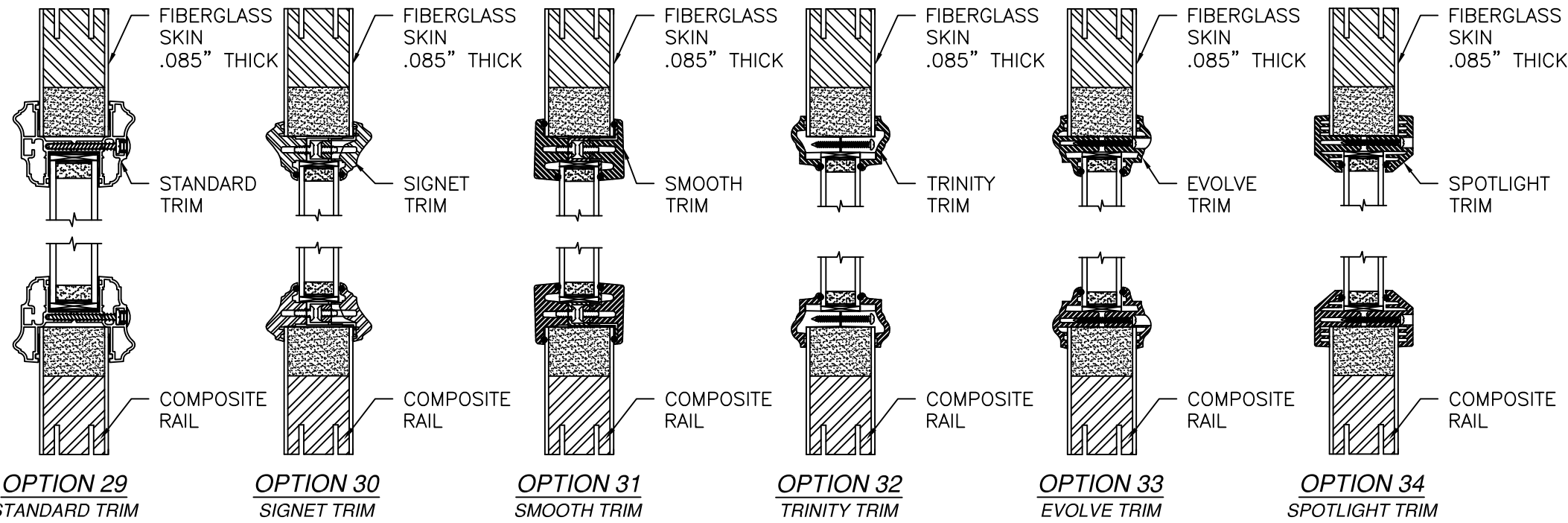
FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

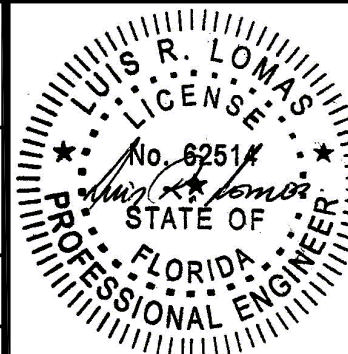
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/09/26	R.L.



APPROVED SLABS AND TRIMS

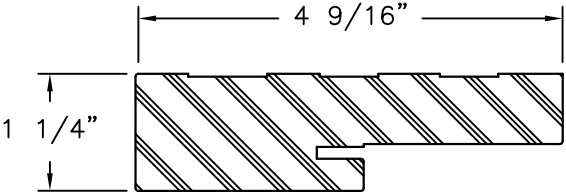
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
STEEL/FIBERGLASS OUTSWING GLAZED DOOR SINGLE & DOUBLE NON-IMPACT APPROVED SLABS AND TRIMS		
DRAWN: N.G.	DWG NO. 08-02073	REV L
SCALE NTS	DATE 06/19/13	SHEET 10 OF 11
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 09/09/2026

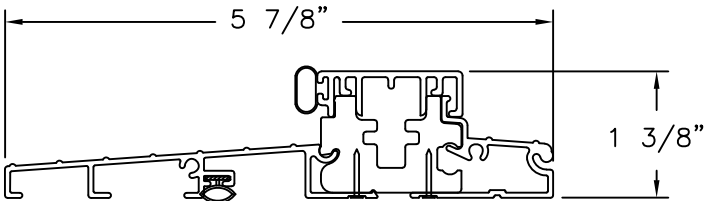


Luis R. Lomas P.E.
FL No.: 62514

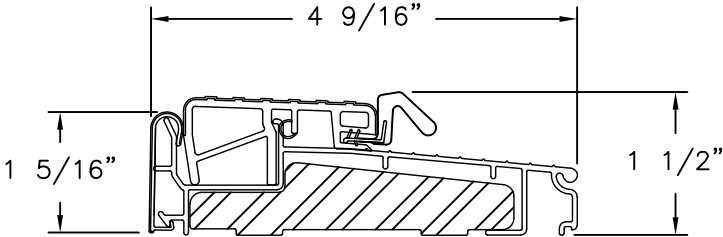
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	REVISED HARDWARE SCHEDULE	09/09/26	R.L.



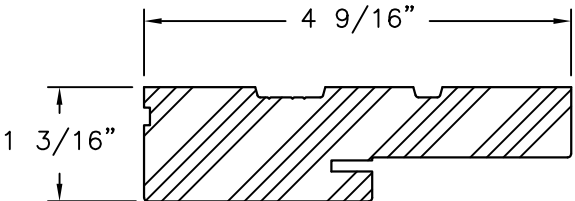
COMPOSITE FRAME PROFILE



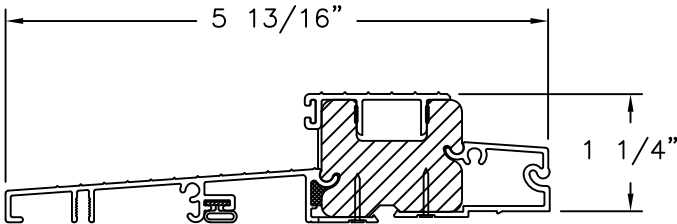
STANDARD OUTSWING THRESHOLD



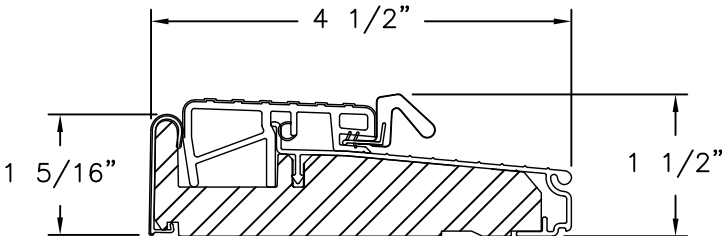
OUTSWING SILL ZOBL4565



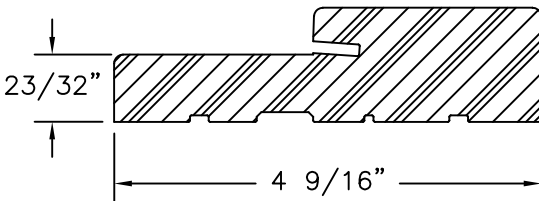
WOOD FRAME PROFILE



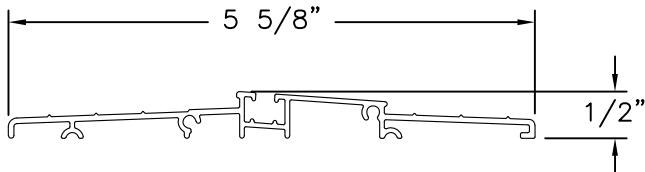
SAHARA OUTSWING THRESHOLD



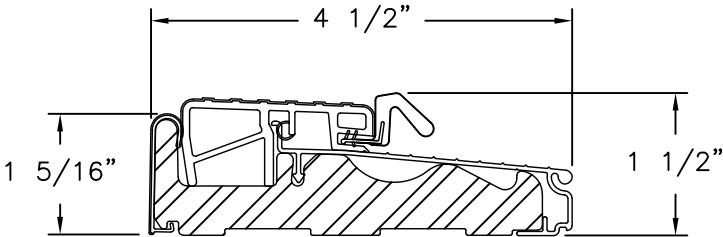
OUTSWING SILL ZOB4565F



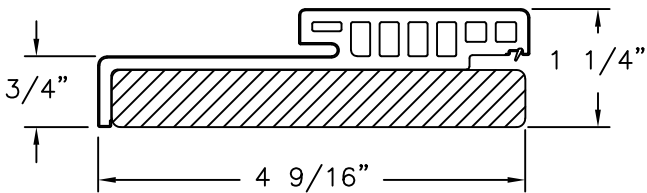
FRAMESAVER
COMPOSITE



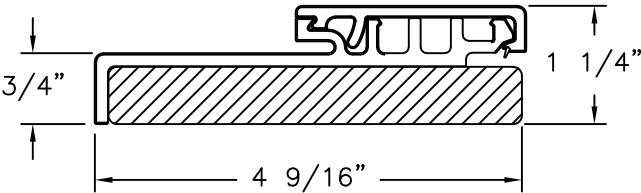
ADA THRESHOLD



OUTSWING SILL ZOBLH4565



HYBRID HEAD
WOOD/COMPOSITE



HYBRID JAMB
WOOD/COMPOSITE

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS OUTSWING GLAZED DOOR
SINGLE & DOUBLE NON-IMPACT
COMPONENTS

DRAWN: N.G.

DWG NO. 08-02073

REV L

SCALE NTS

DATE 06/19/13

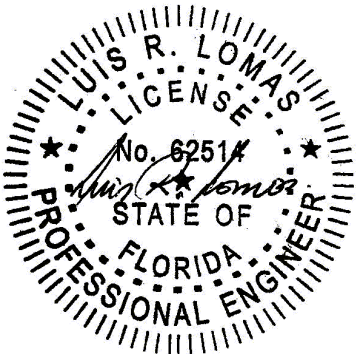
SHEET 11 OF 11

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