

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	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 SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1–1/2” OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
5. 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.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: COMPOSITE.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR GLAZING DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
- 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
- 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
- 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
- 17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

SIGNED: 01/23/2024

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	CROSS SECTIONS, B.O.M. AND GLAZING DETAIL
4 – 5	INSTALLATION DETAILS
6	COMPONENTS

PROVIA DOOR, INC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

DIRECT SET SIDELITE
COMPOSITE – IMPACT
NOTES

DRAWN:
J.L.

DWG NO.
08–01913B

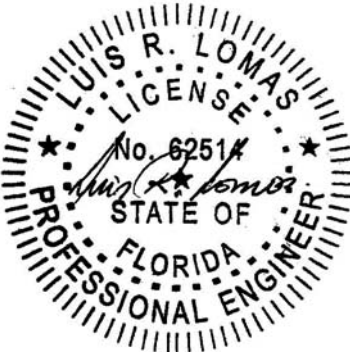
REV
B

SCALE NTS

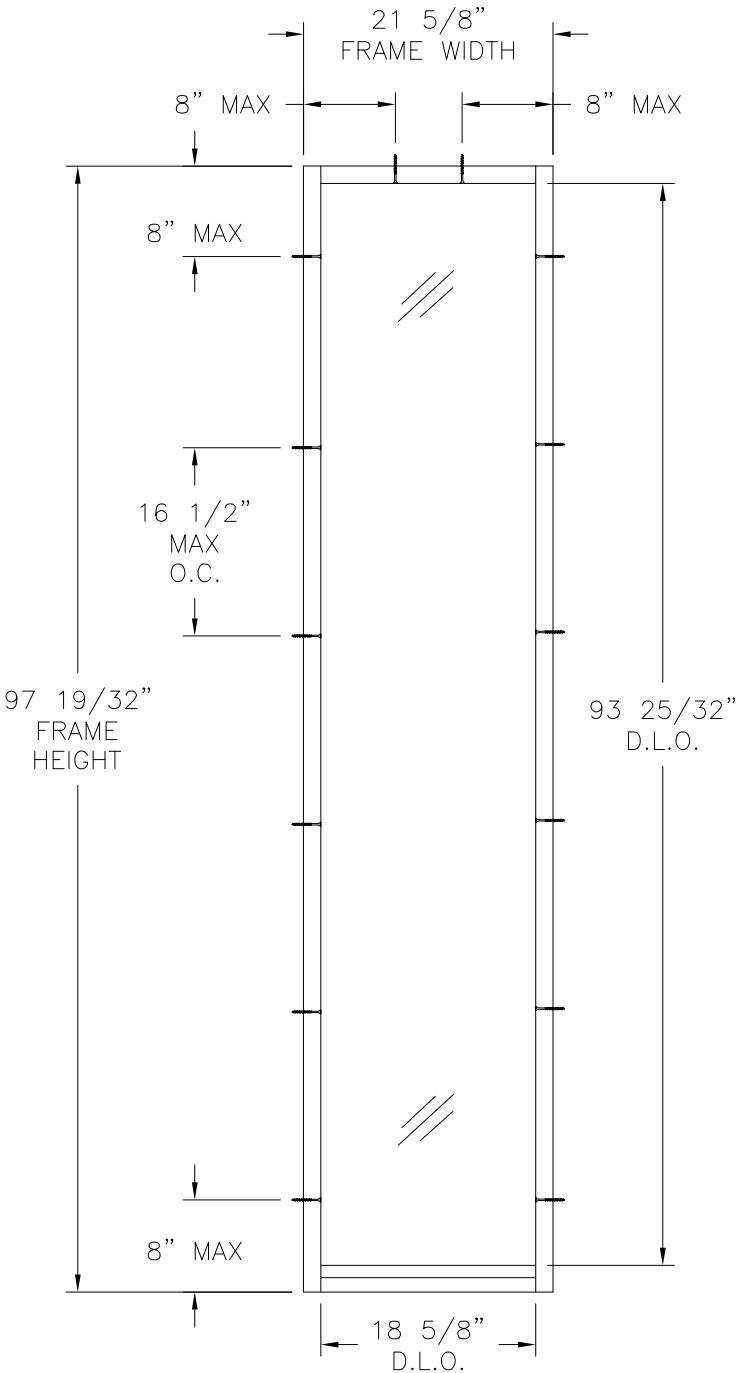
DATE 02/16/13

SHEET 1 OF 6

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



DIRECT SET SIDELITE
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	R.L.

SIGNED: 01/23/2024

PROVIA DOOR, INC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

DIRECT SET SIDELITE
COMPOSITE – IMPACT
ELEVATION

DRAWN:
J.L.

DWG NO.
08-01913B

REV
B

SCALE NTS

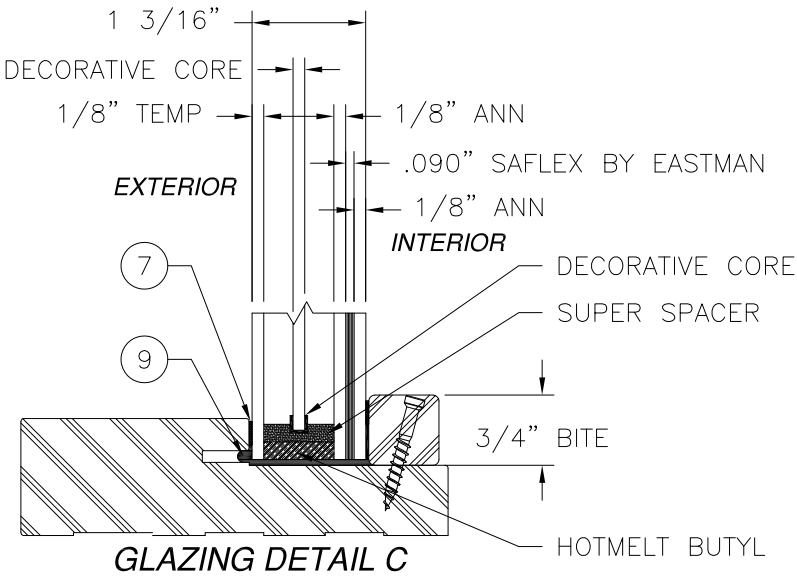
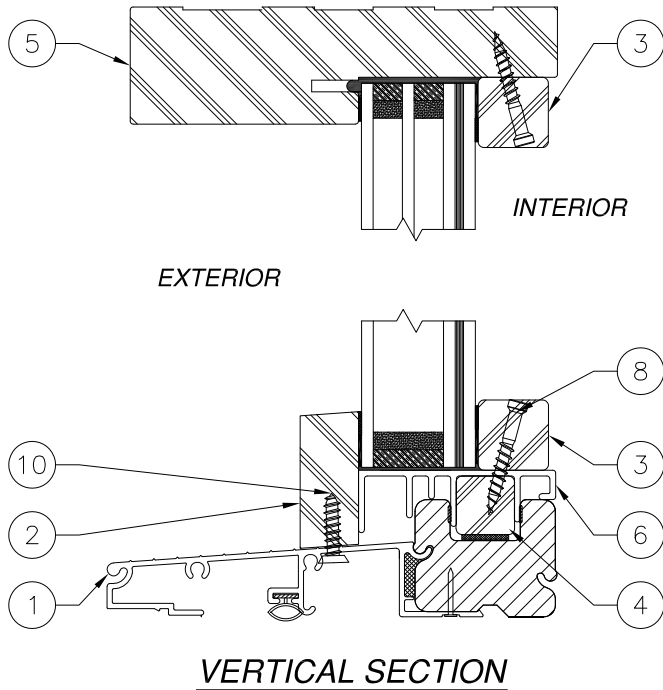
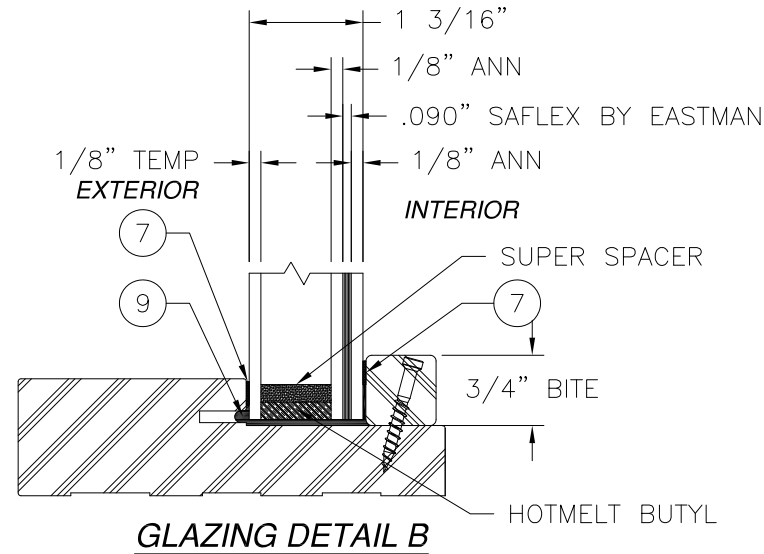
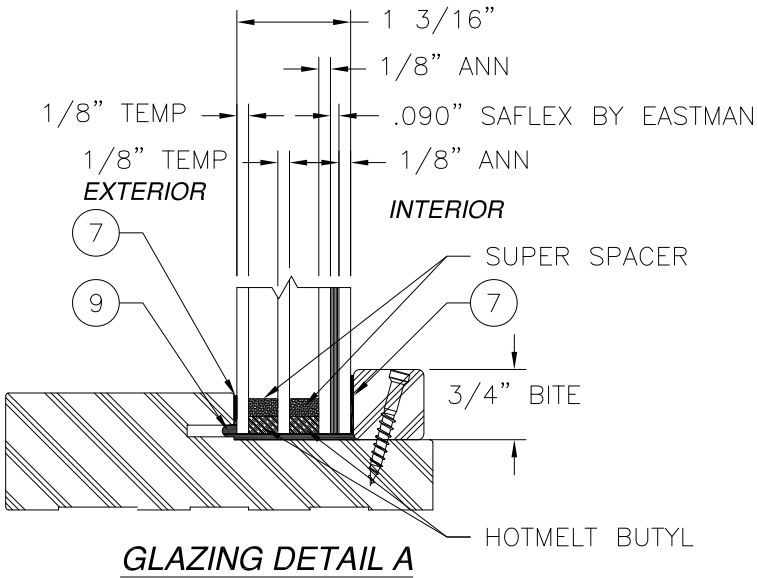
DATE 02/16/13

SHEET 2 OF 6

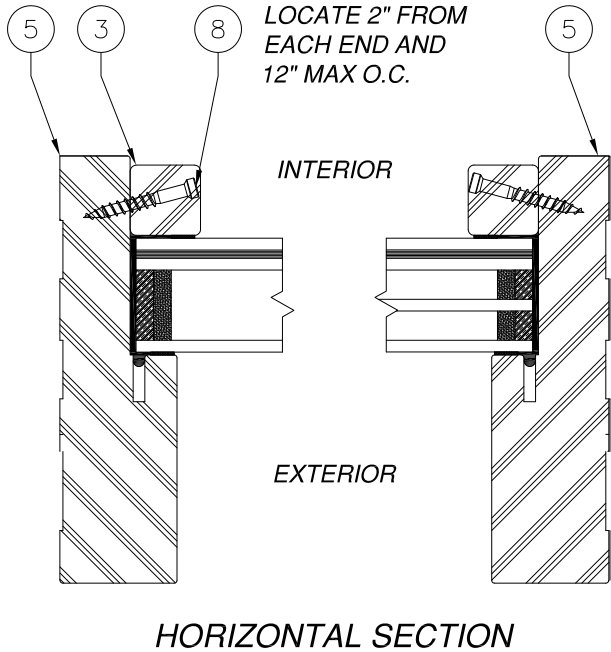
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	P-TH-TN24-70	THRESHOLD	ORRVILON	ALUMINUM 6063-T6
2	P-WJ-C80-010	EXTERIOR GLASS STOP		COMPOSITE
3	P-CJ-XXX-XXX	INTERIOR GLASS STOP		COMPOSITE
4		FILLER BLOCK		COMPOSITE
5	P-CJ-JXX-XXX	JAMB		COMPOSITE
6	P-TH-ENSS-00	SIDELITE SILL SUPPORT	OMEGA PLASTICS	PLASTIC
7	P-WS-CCL-06	GLAZING TAPE - 1/8" x 1/4"		FOAM
8	P-HW-FSNRBL-10	TRIM HEAD WOOD SCREW #6 X 1"		STEEL
9	P-SE-00-09	995 STRUCTURAL SEALANT	DOW	SEALANT
10		#6 x 1" WOOD SCREW		STEEL
11	WC-20-12-03002	ADA THRESHOLD	ENDURA	ALUMINUM 6063-T6



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	R.L.



PROVIA DOOR, INC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

DIRECT SET SIDELITE
COMPOSITE - IMPACT
CROSS SECTIONS, B.O.M. & GLAZING DETAILS

DRAWN: J.L.	DWG NO. 08-01913B	REV B
SCALE NTS	DATE 02/16/13	SHEET 3 OF 6

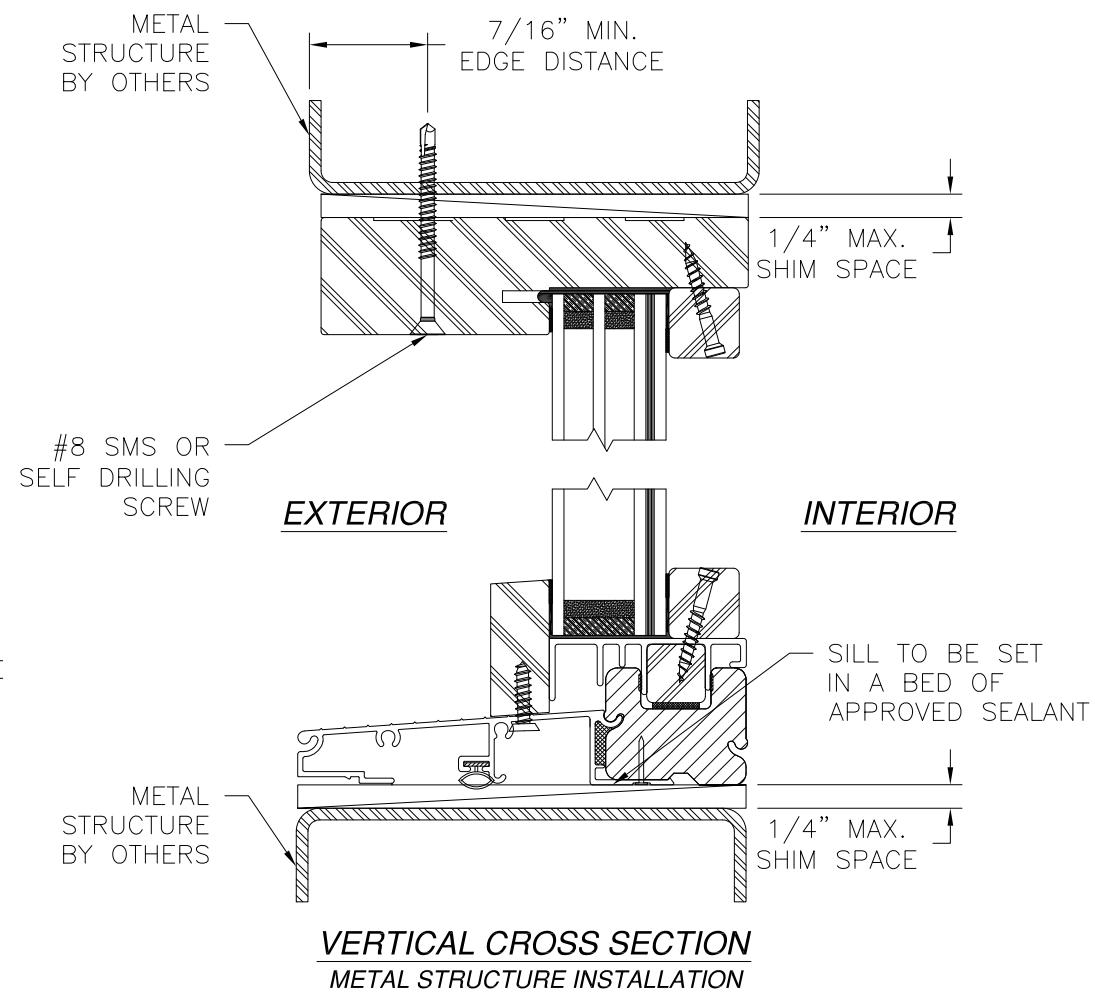
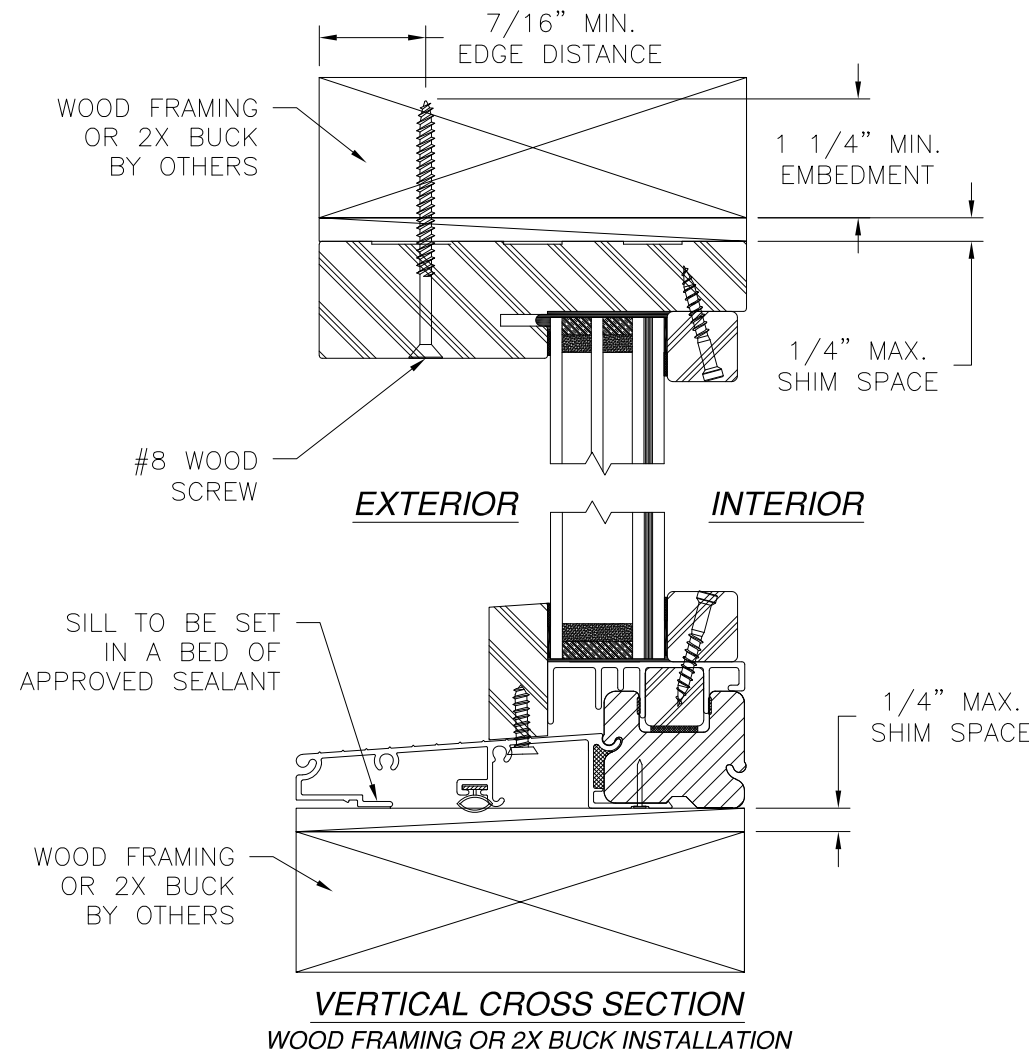
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/23/2024



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	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

PROVIA DOOR, INC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

DIRECT SET SIDELITE
COMPOSITE – IMPACT
INSTALLATION DETAILS

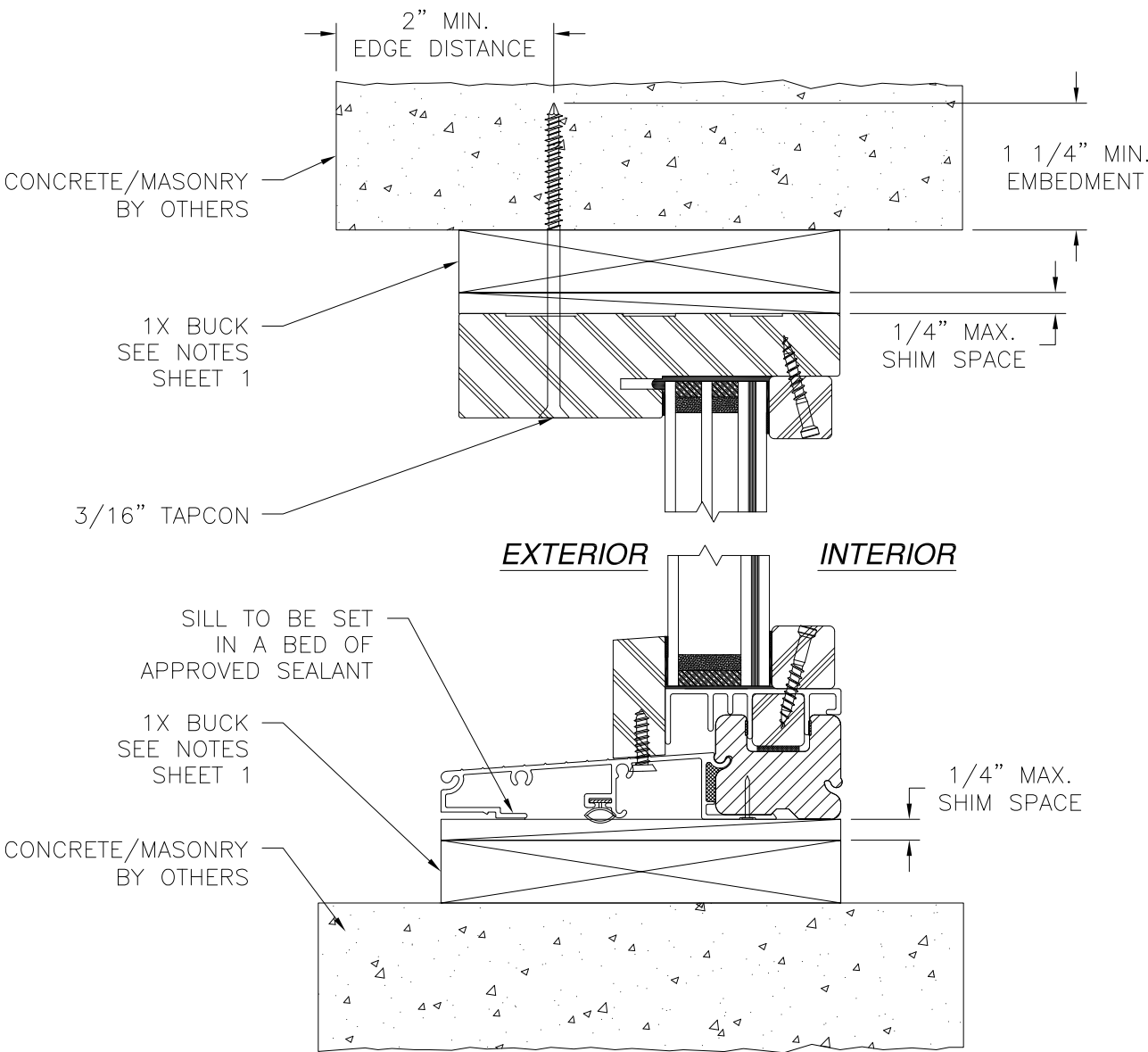
DRAWN: J.L.	DWG NO. 08-01913B	REV B
SCALE NTS	DATE 02/16/13	SHEET 4 OF 6

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

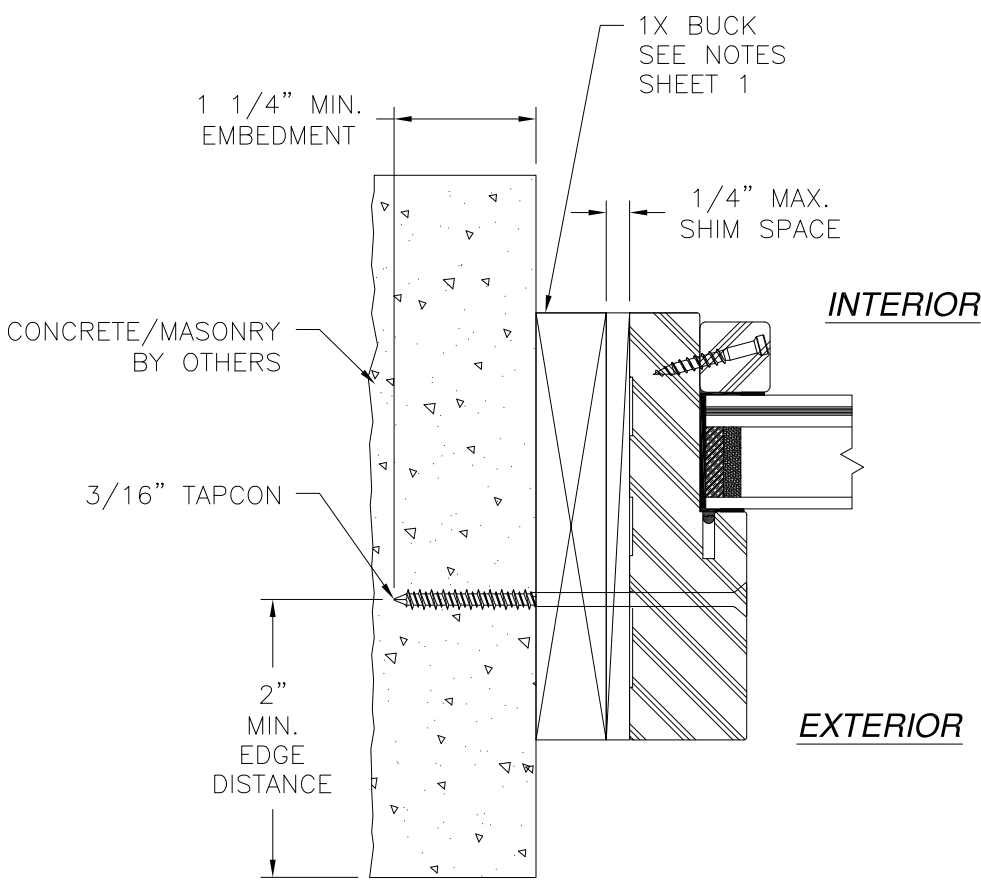
SIGNED: 01/23/2024

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

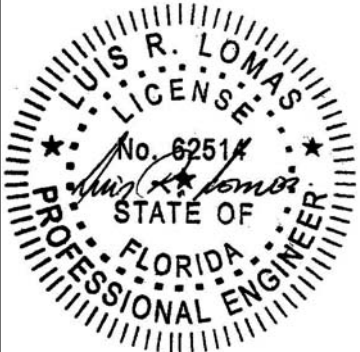


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- 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

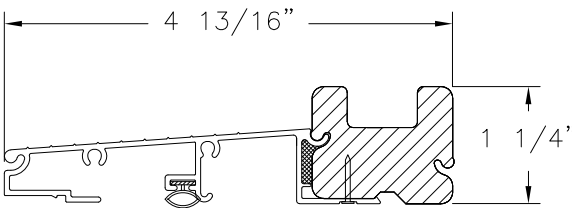
SIGNED: 01/23/2024

PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
DIRECT SET SIDELITE COMPOSITE – IMPACT INSTALLATION DETAILS		
DRAWN: J.L.	DWG NO. 08-01913B	REV B
SCALE NTS	DATE 02/16/13	SHEET 5 OF 6
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

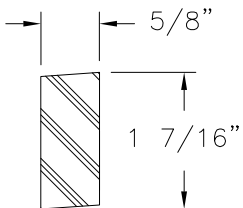


Luis R. Lomas P.E.
FL No.: 62514

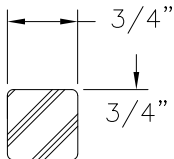
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/16/2024	R.L.



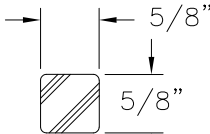
① **THRESHOLD**
ALUMINUM / PVC



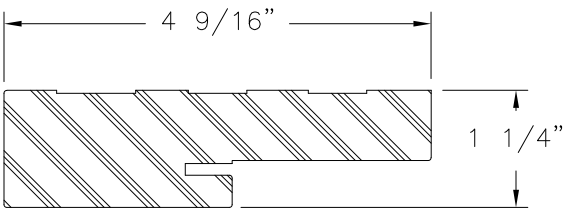
② **EXTERIOR GLASS TRIM**
COMPOSITE



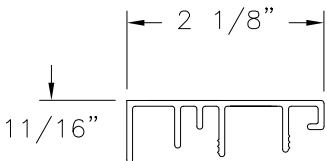
③ **INTERIOR GLASS STOP**
COMPOSITE



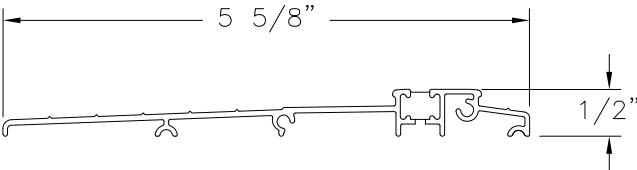
④ **FILLER BLOCK**
COMPOSITE



⑤ **JAMB**
COMPOSITE



⑥ **SIDELITE SILL SUPPORT**
PLASTIC



⑪ **ADA THRESHOLD**

SIGNED: 01/23/2024

PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
DIRECT SET SIDELITE COMPOSITE – IMPACT COMPONENTS		
DRAWN: J.L.	DWG NO. 08-01913B	REV B
SCALE NTS	DATE 02/16/13	SHEET 6 OF 6
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