

OPAQUE FIBERGLASS DOUBLE DOOR w/ or w/out SIDELITES

OUTSWING "IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

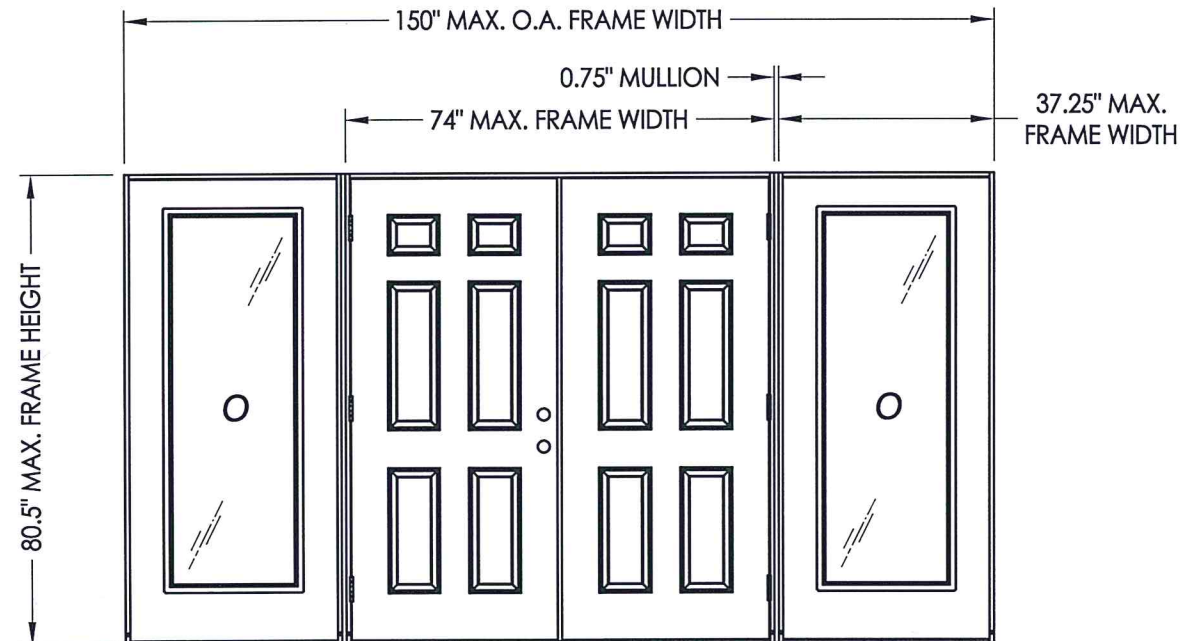
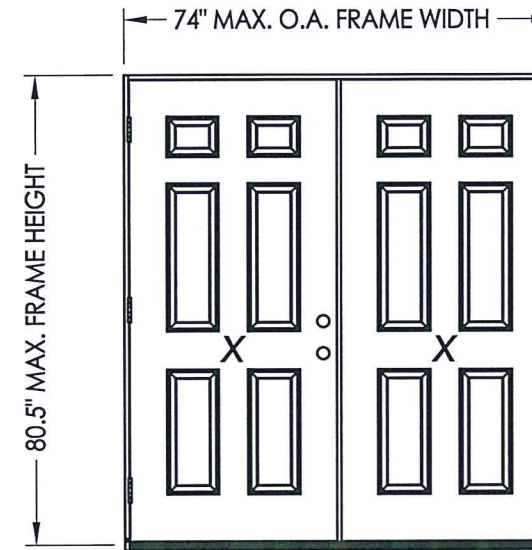
DR-272

The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

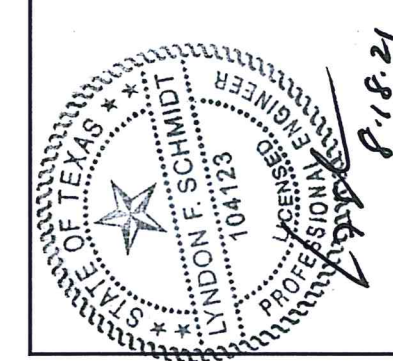
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This system has been tested and evaluated as a large missile impact protective system for installation in areas requiring wind-borne debris protection. This product meets missile level "D" as defined in ASTM E 1996.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

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7	Vertical cross sections
8	Frame anchoring (XX)
9	Frame anchoring (OXXO)
10	Components
11	Bill of materials



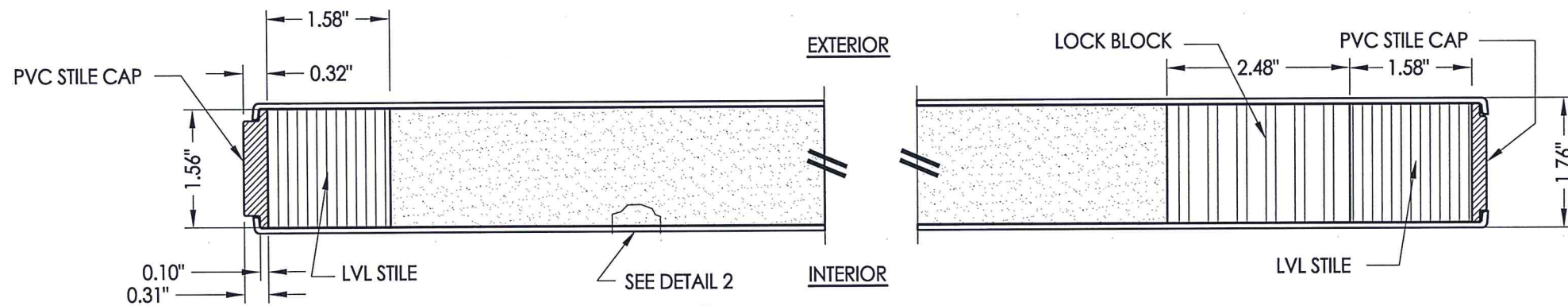
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
XX	74.0" x 80.5"	+ 50.0	- 50.0
OXXO	150.0" x 80.5"	+ 50.0	- 50.0



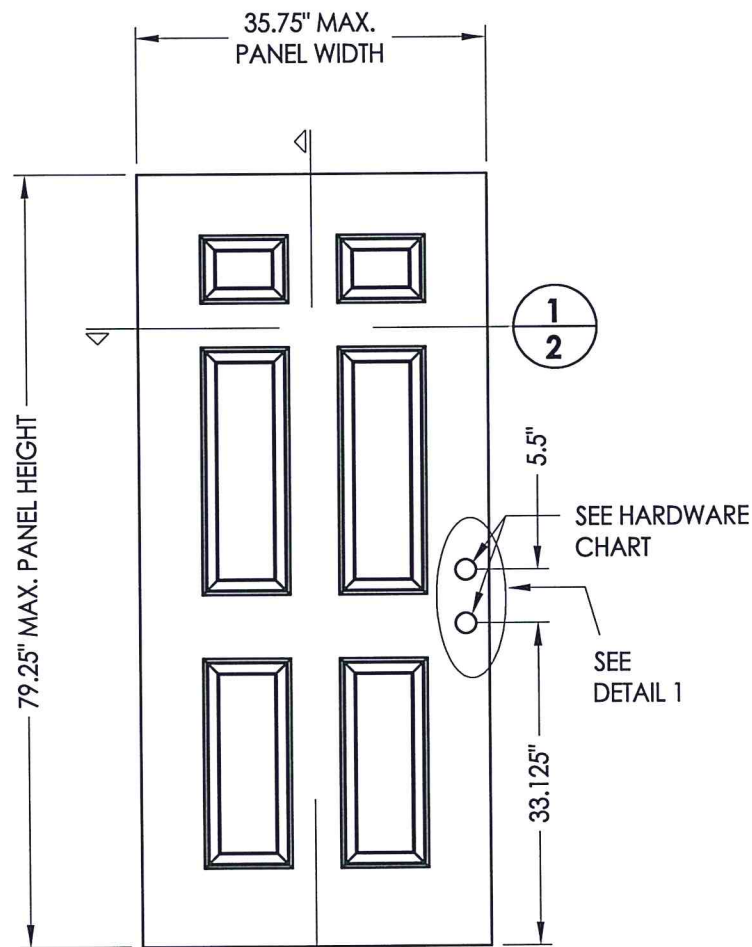
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	TRINITY GLASS INT'L	
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	BY
1	8/17/21	LFS
UPDATE TO 2018 IBC/IRC		
REVISIONS		
DATE:	5/10/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4153	
SHEET	1	OF 11

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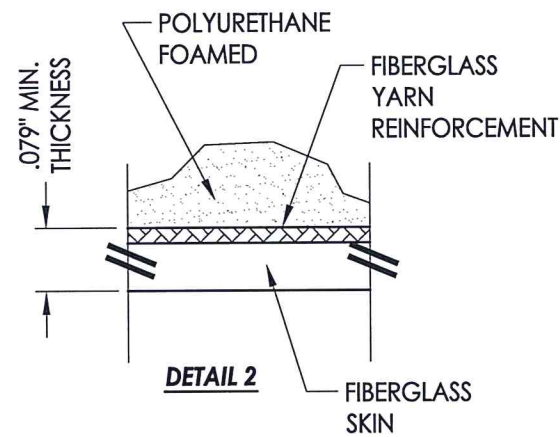


1
2 **HORIZONTAL CROSS SECTION**

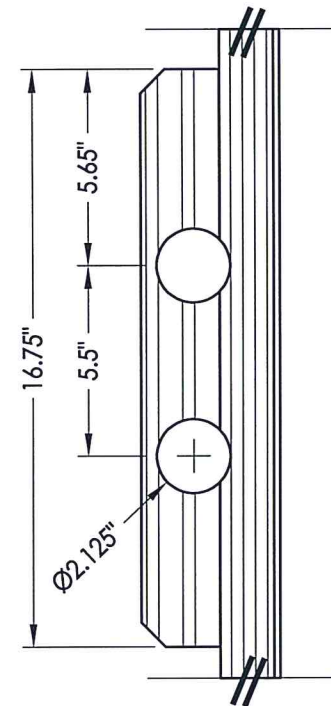


40 **OPAQUE DOOR**

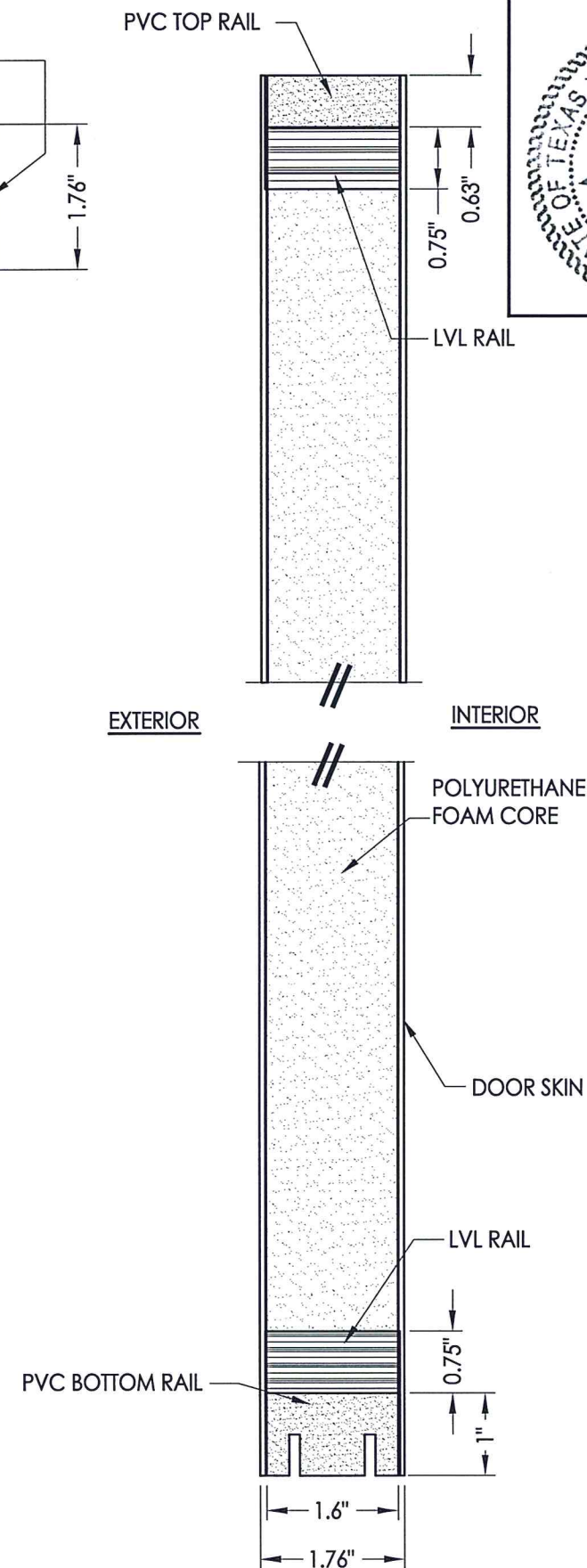
DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



DETAIL 2



DETAIL 1



2
2 **VERTICAL CROSS SECTION**



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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	BY
1	8/17/21	LFS

REVISIONS

DATE: 5/10/12

SCALE: N.T.S.

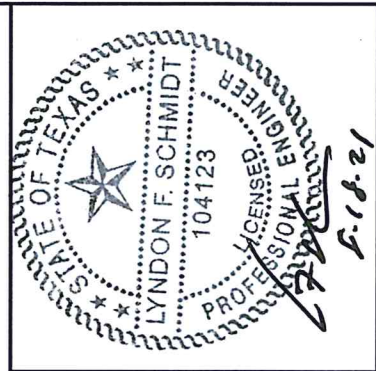
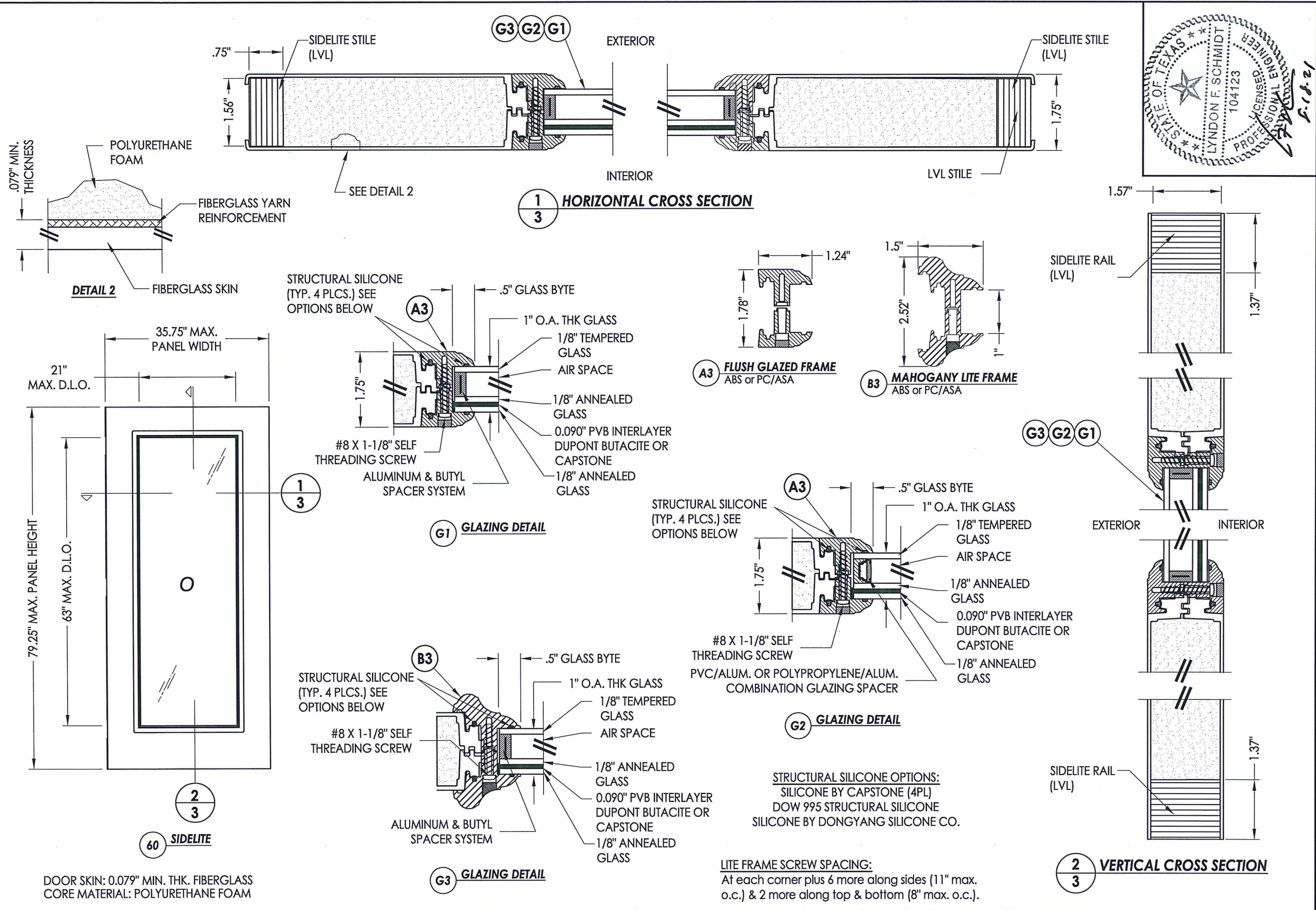
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

TX-4153

SHEET 2 OF 11



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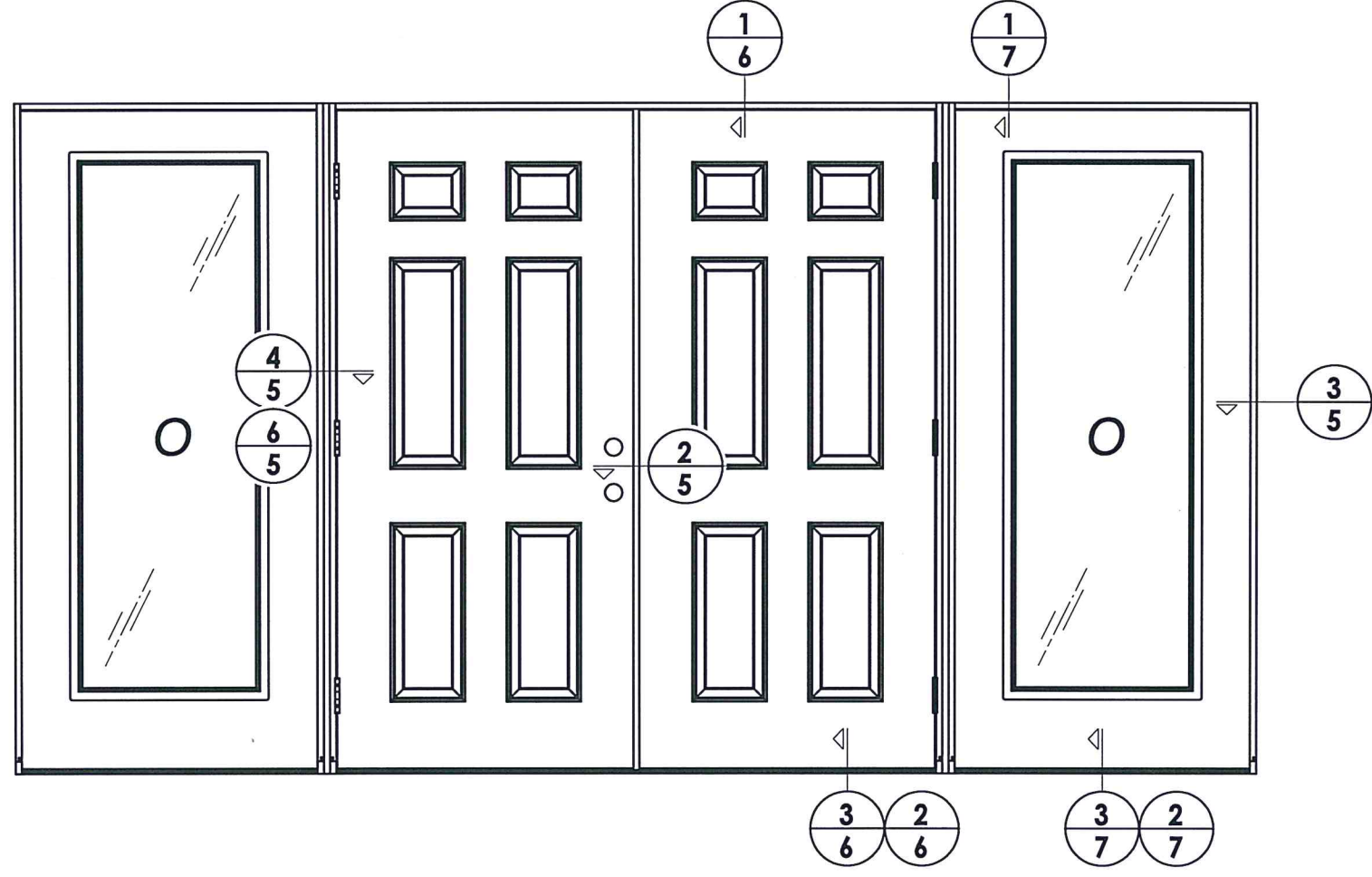
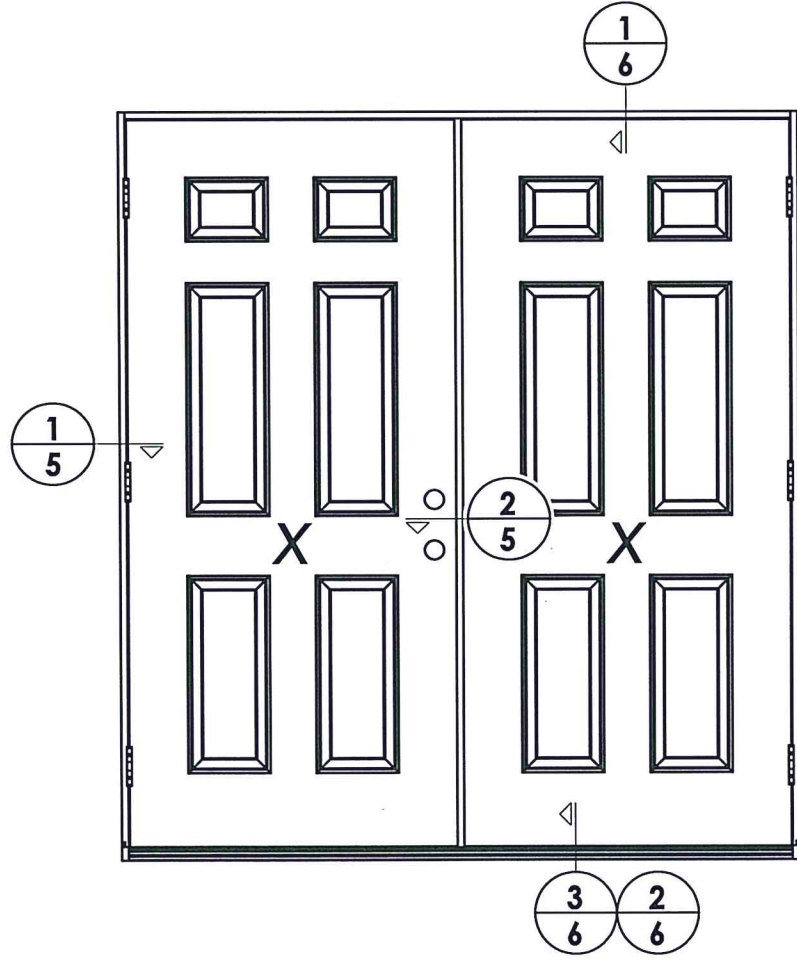
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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAILS

NO.	DATE	REVISIONS
1	8/17/21	UPDATE TO 2018 IBC/IRC

DATE: 5/10/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4153
 SHEET 3 OF 11



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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS
1	8/17/21	UPDATE TO 2018 IBC/IRC
		LFS BY

DATE: 5/10/12

SCALE: N.T.S.

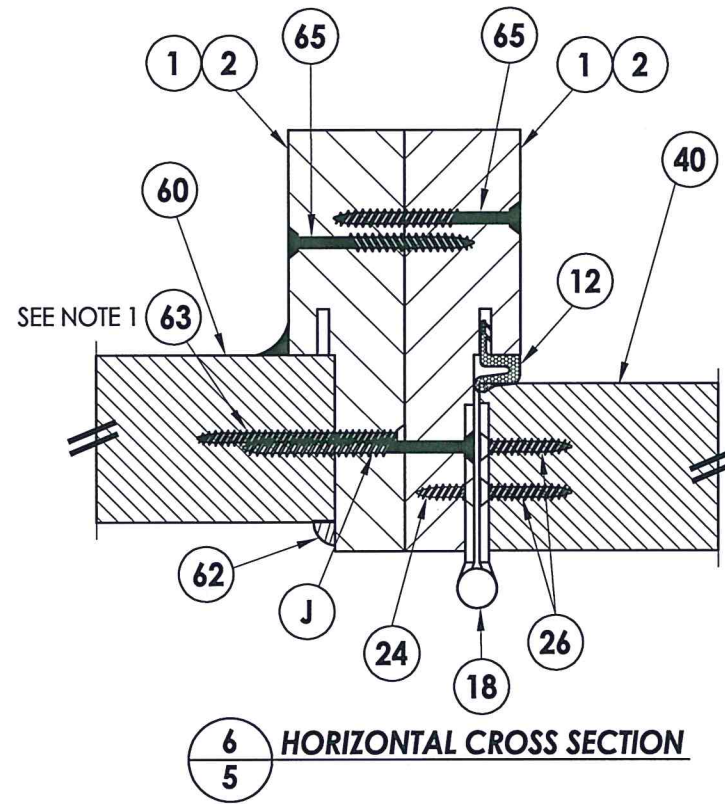
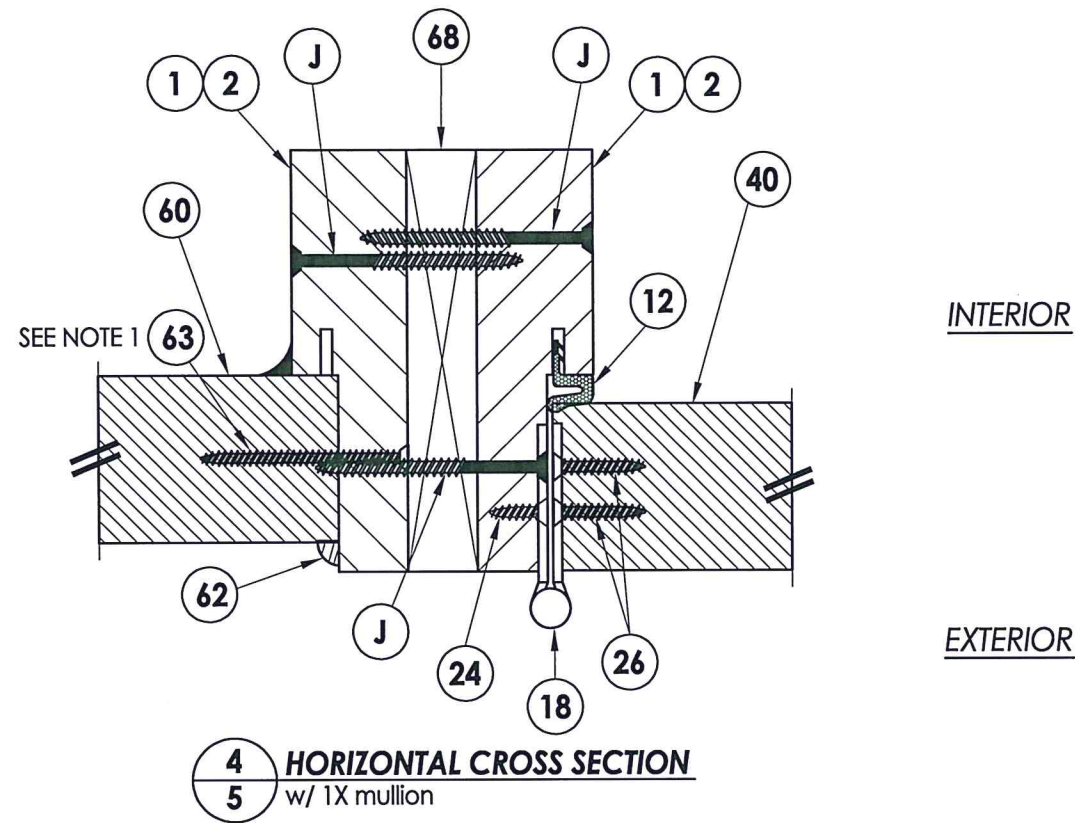
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CHK. BY: LFS

DRAWING NO.: TX-4153

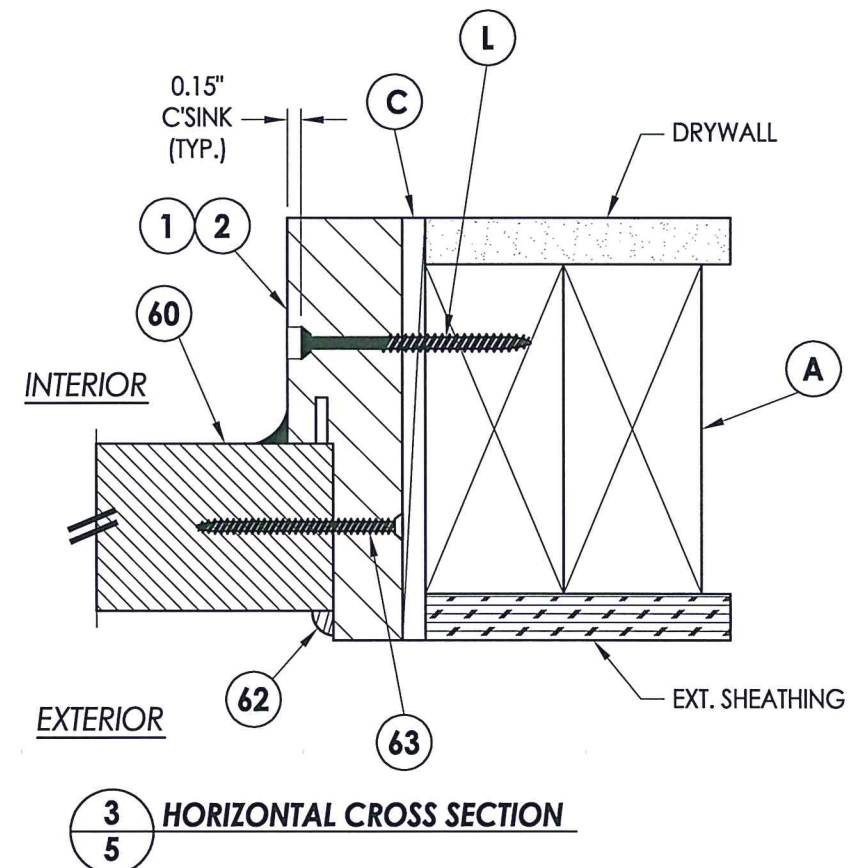
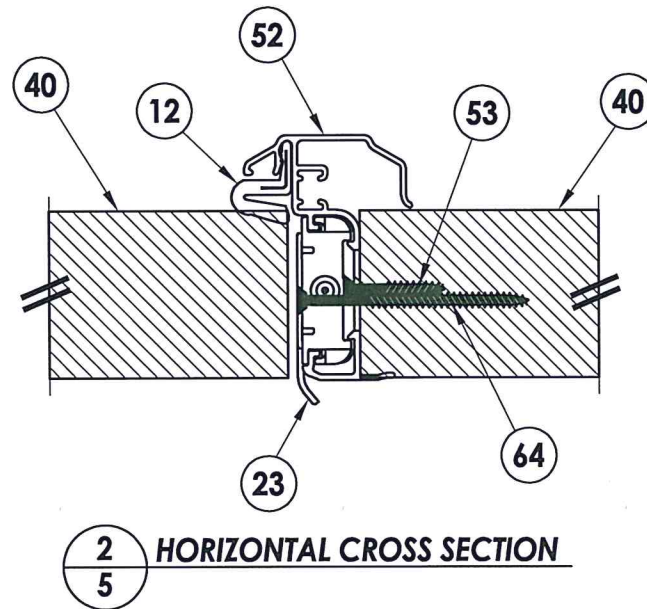
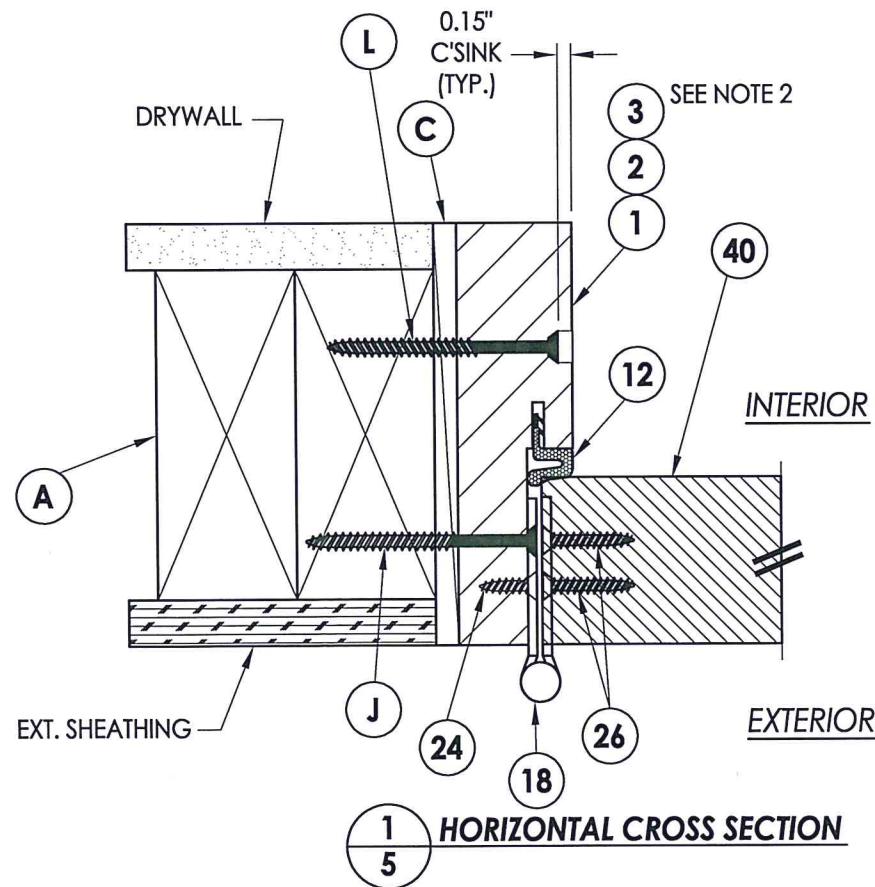
SHEET 4 OF 11

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NOTE:

1. Item #63 located 6" from each end and 3 more equally spaced (5 total).
2. PVC frame may be used with double door without sidelites only.



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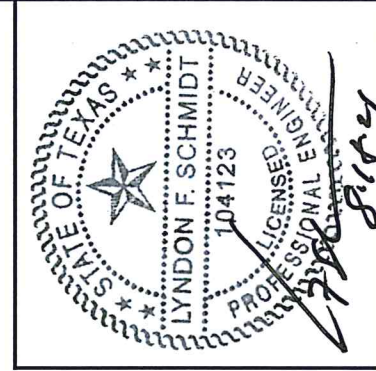
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PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

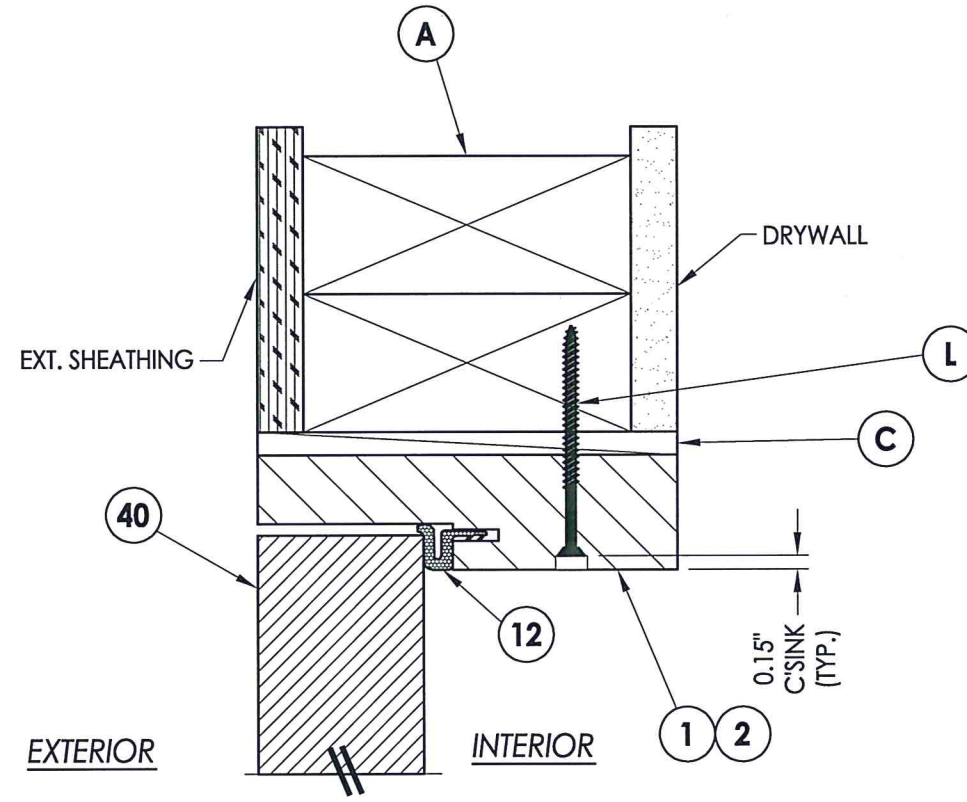
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1	8/17/21	UPDATE TO 2018 IBC/IRC
		LFS
		BY

DATE: 5/10/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4153
SHEET 5 OF 11

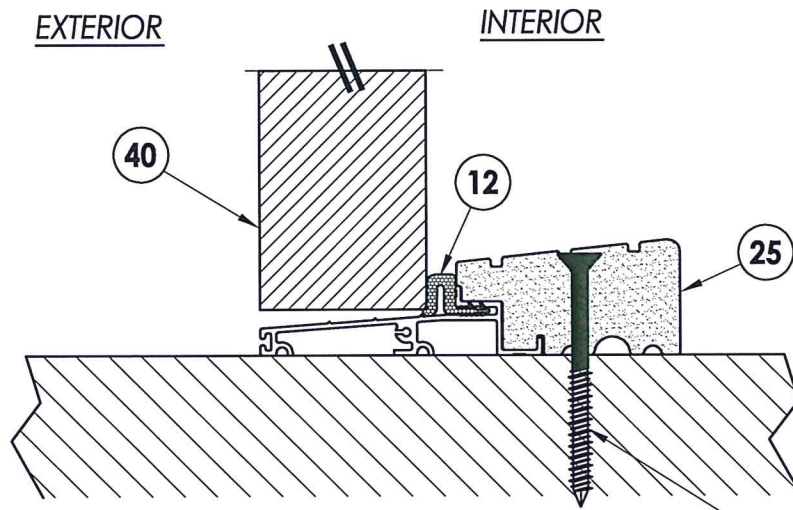


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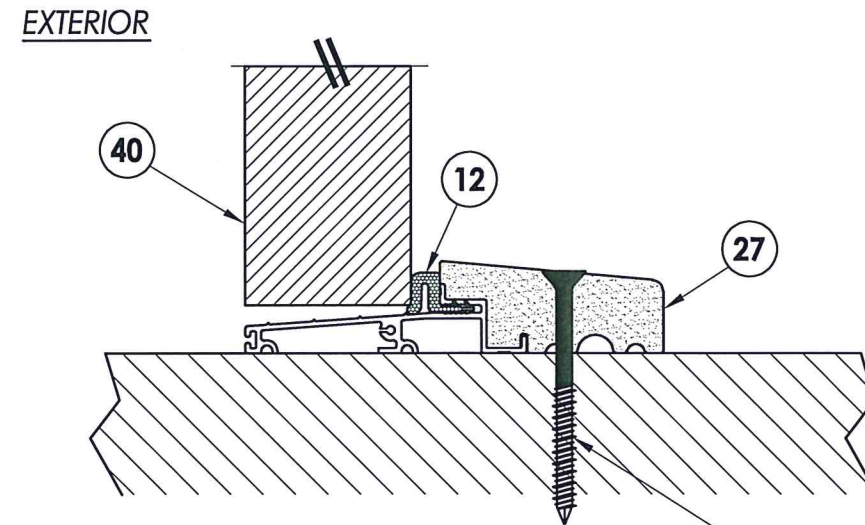


1
6 VERTICAL CROSS SECTION



2
6 VERTICAL CROSS SECTION
Outswing sill - high dam

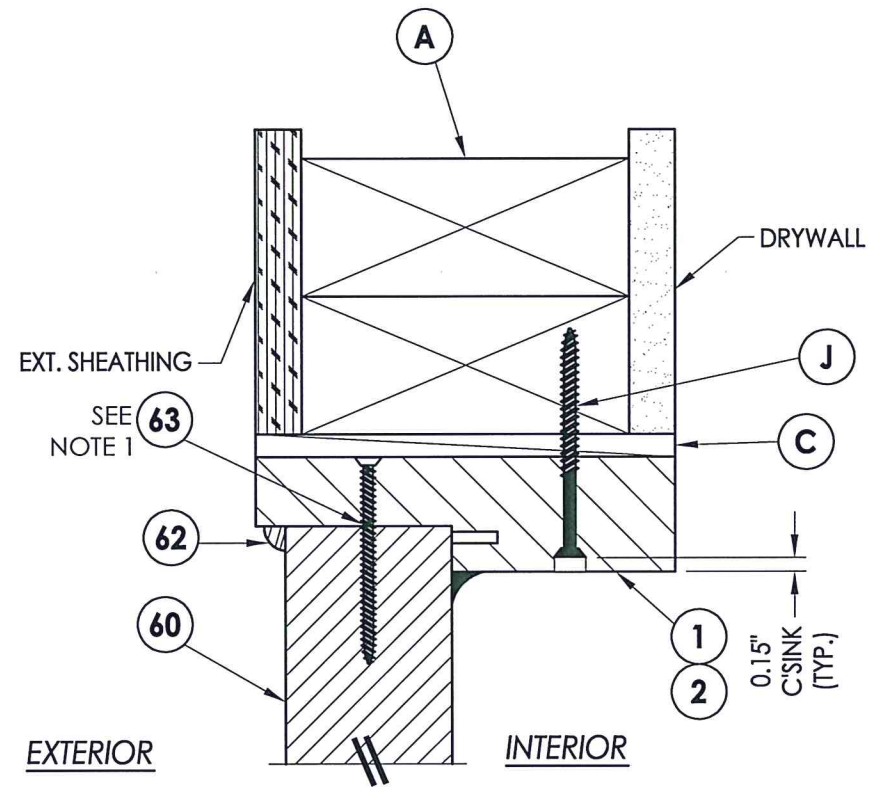
P WOOD
D CONCRETE



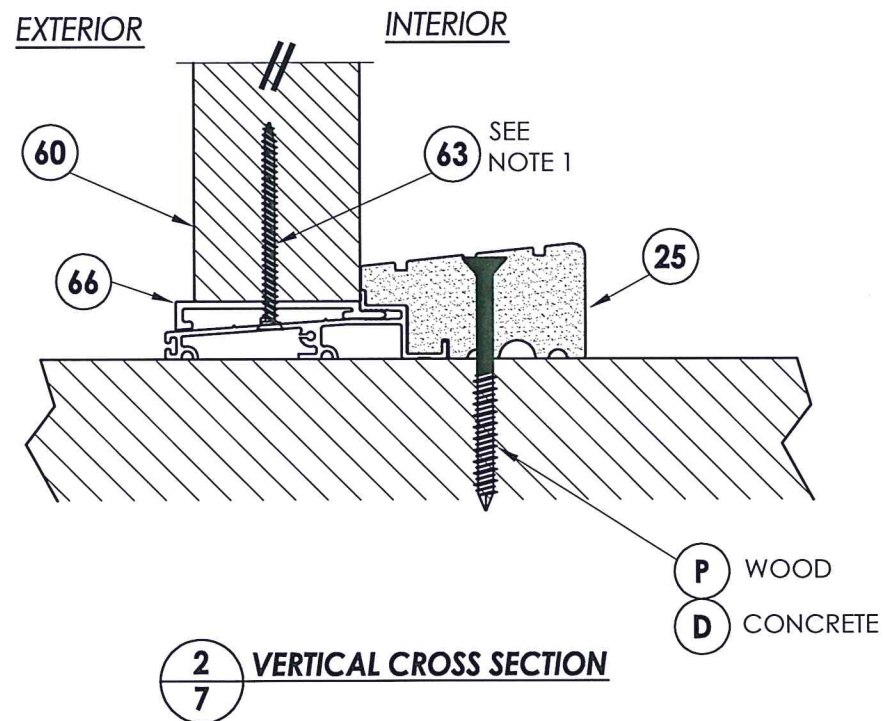
3
6 VERTICAL CROSS SECTION
Outswing sill

P WOOD
D CONCRETE

PRODUCT:	TRINITY GLASS INT'L	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	BY
1	8/17/21	LFS
UPDATE TO 2018 IBC/IRC		
REVISIONS		
DATE:	5/10/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4153	
SHEET	6	OF 11



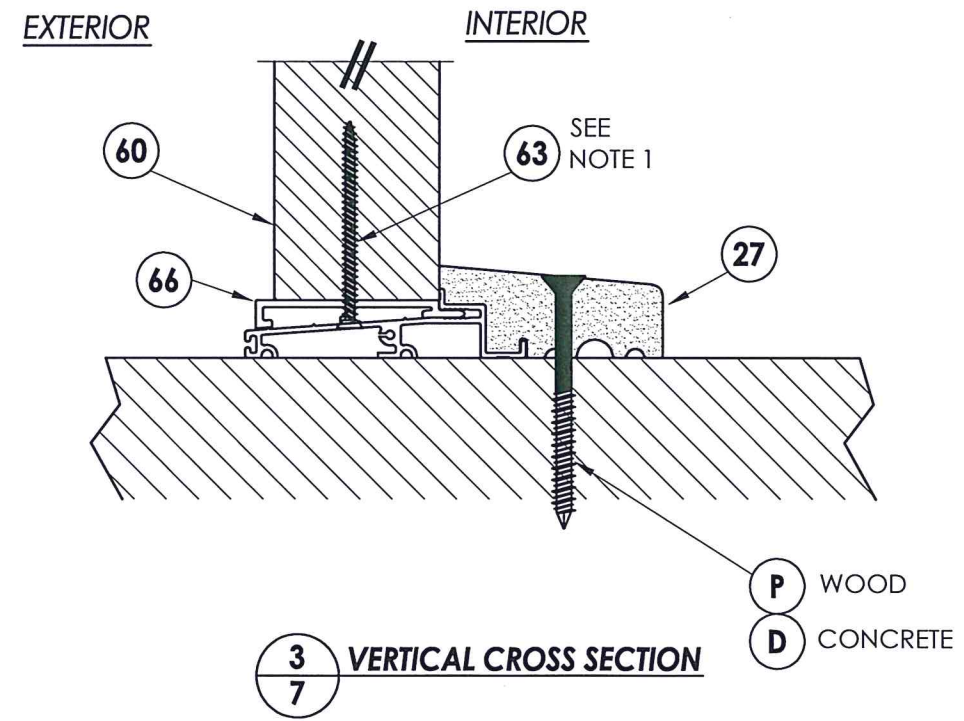
1
7 VERTICAL CROSS SECTION



2
7 VERTICAL CROSS SECTION

NOTE:

1. Screws thru head and sill jamb located 3" from each end and on center line.



3
7 VERTICAL CROSS SECTION



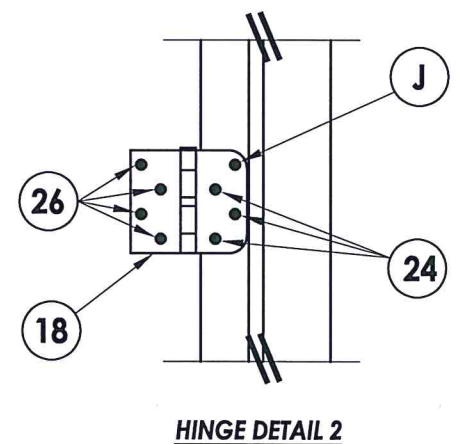
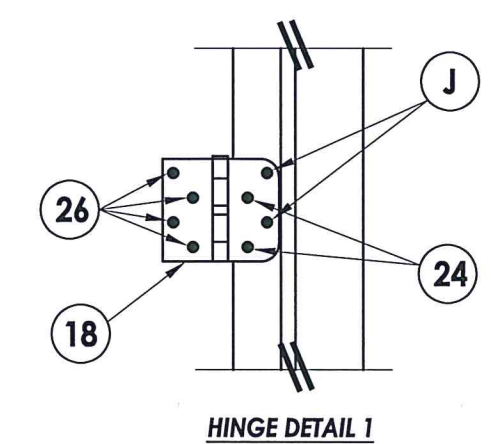
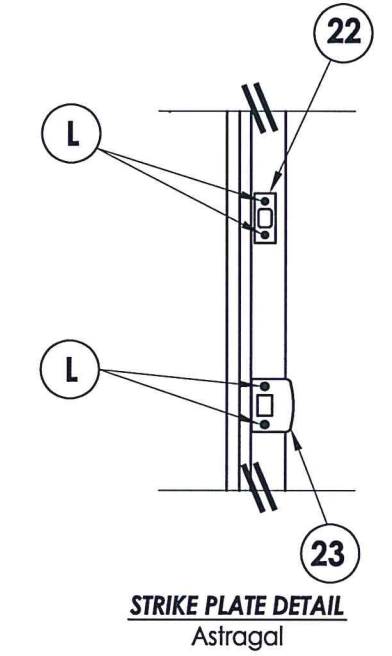
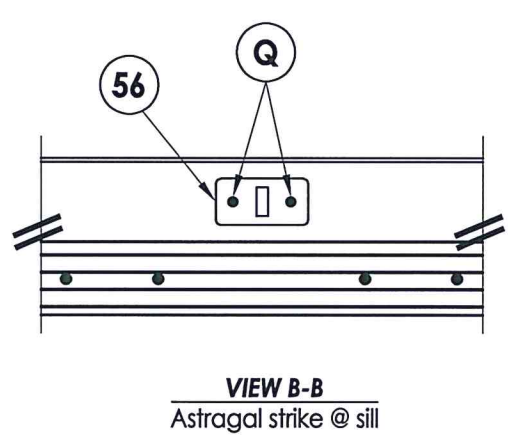
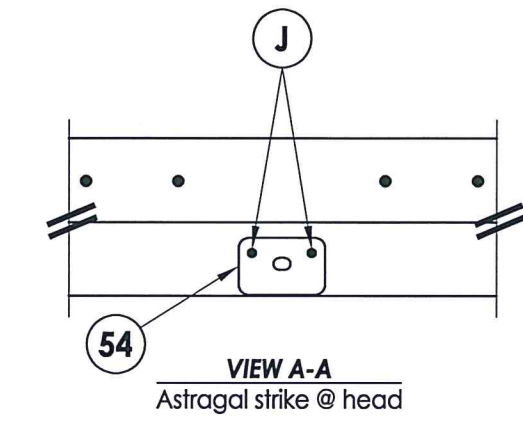
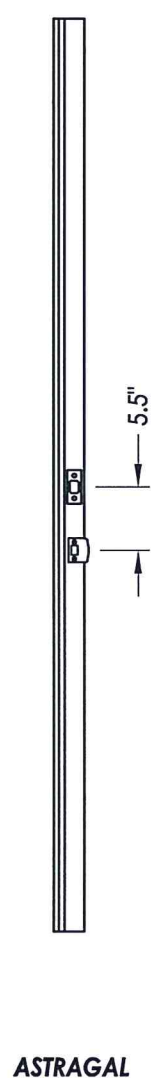
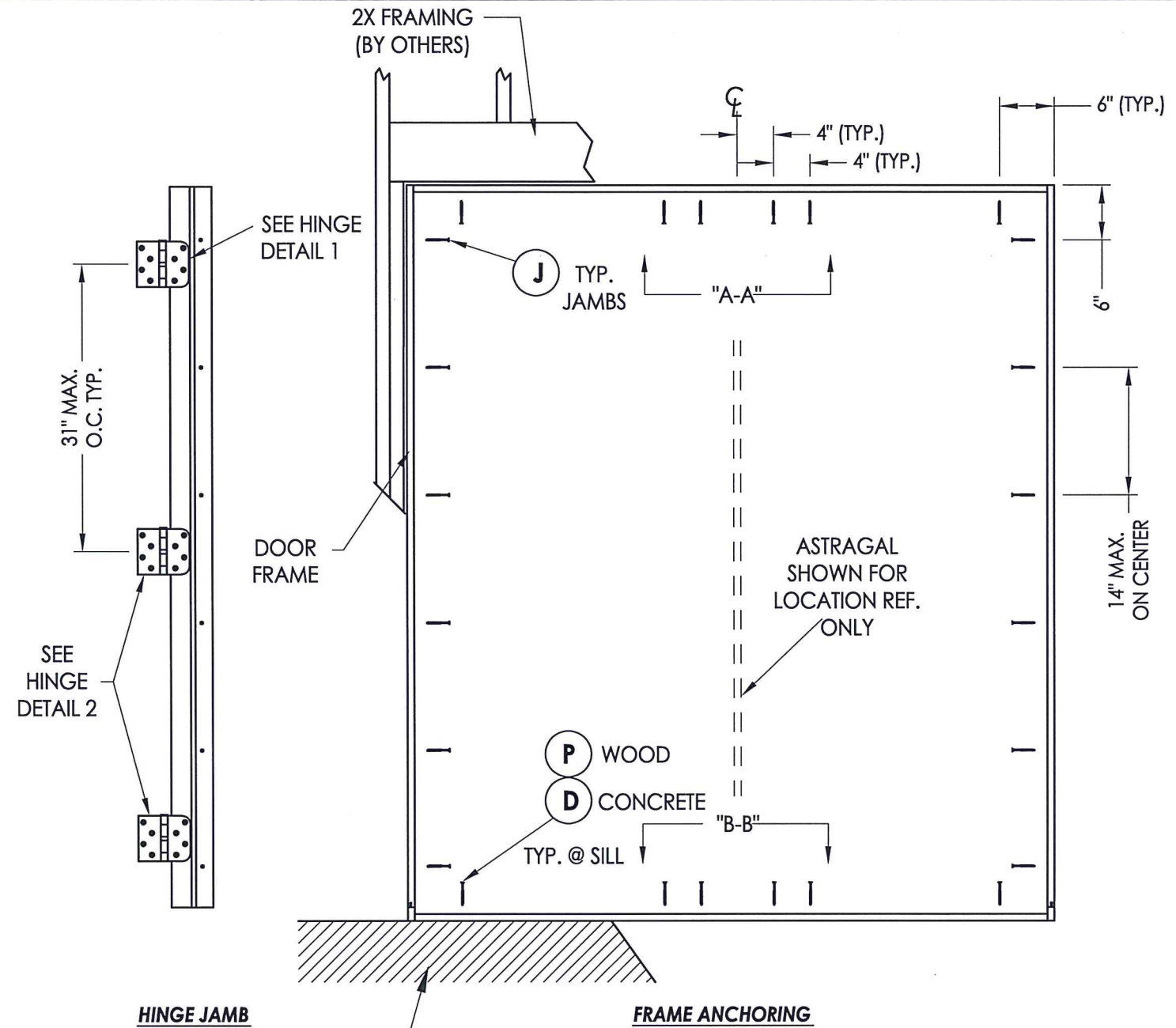
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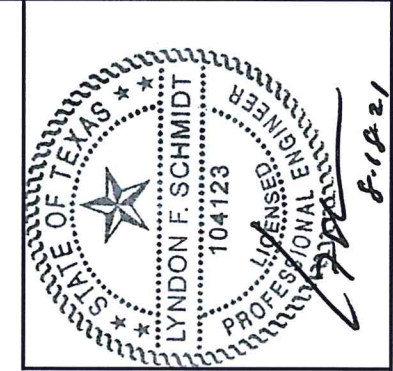
PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

NO.	DATE	BY
1	8/17/21	LFS
UPDATE TO 2018 IBC/IRC		

DATE:	5/10/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4153
SHEET	7 OF 11



FLOOR SUBSTRATE MATERIAL (TYP.)
 CONCRETE (MIN. 3000 PSI)
 WOOD (G >= 0.42)



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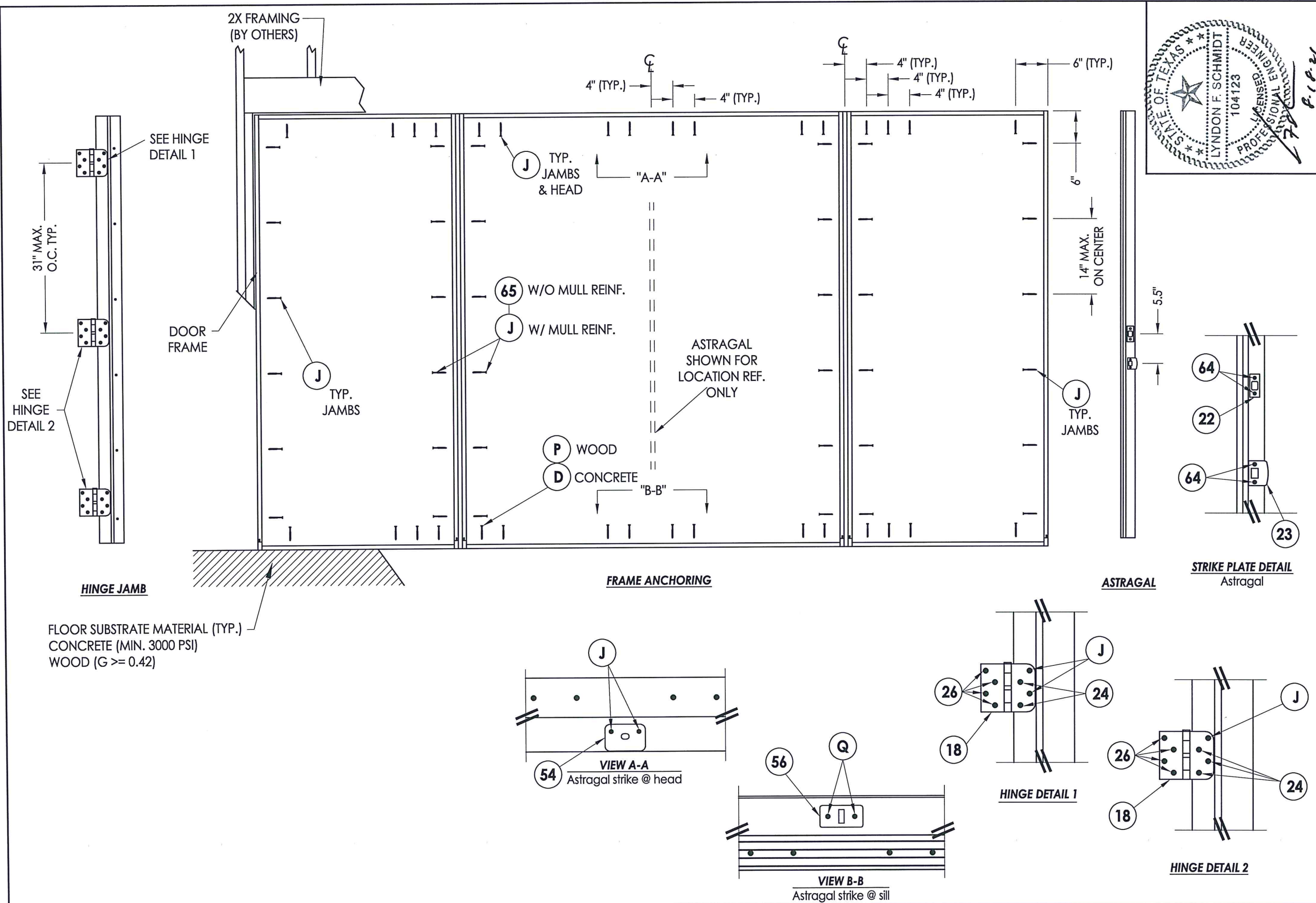
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: FRAME ANCHORING (XX)

NO.	DATE	REVISIONS
1	8/17/21	UPDATE TO 2018 IBC/IRC
LFS		BY

DATE: 5/10/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4153
 SHEET 8 OF 11

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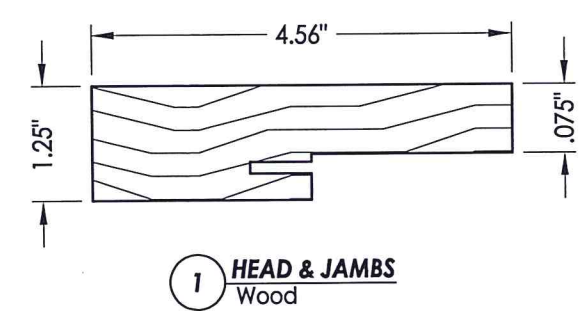
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 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197

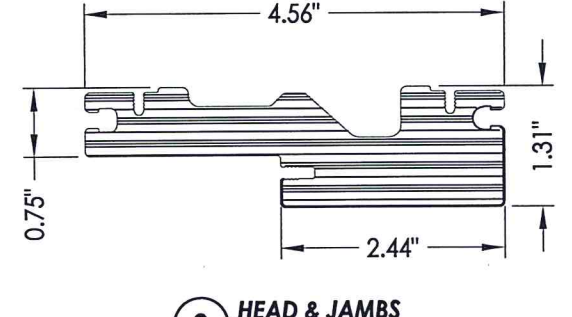
TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	TRINITY GLASS INT'L	
PART OR ASSEMBLY:	FRAME ANCHORING (OXXO)	
NO.	DATE	BY
1	8/17/21	LFS
UPDATE TO 2018 IBC/IRC		
REVISIONS		
DATE:	5/10/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4153	
SHEET	9	OF 11

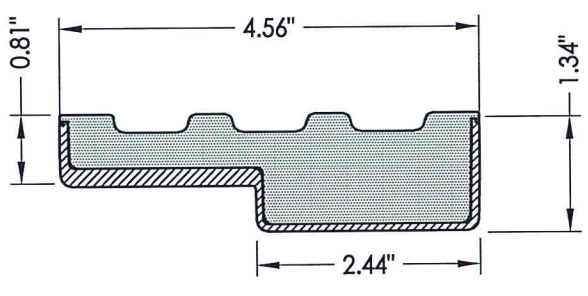
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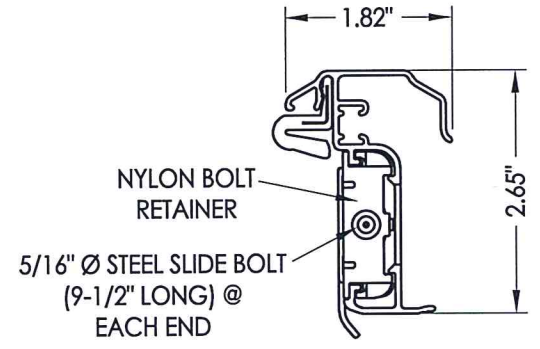
1 HEAD & JAMBS
Wood



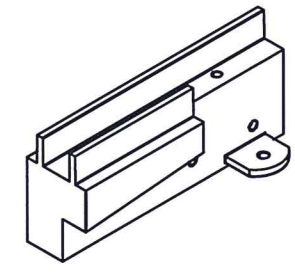
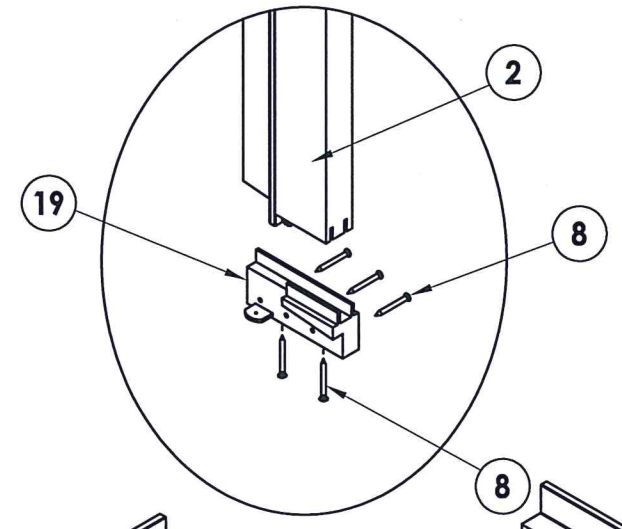
3 HEAD & JAMBS
PVC



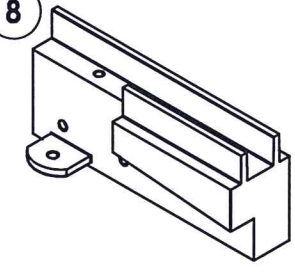
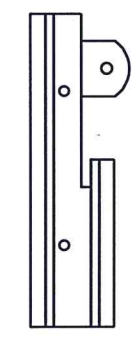
2 HEAD & JAMBS
Composite PVC Base
w/ Fiberglass Wrap



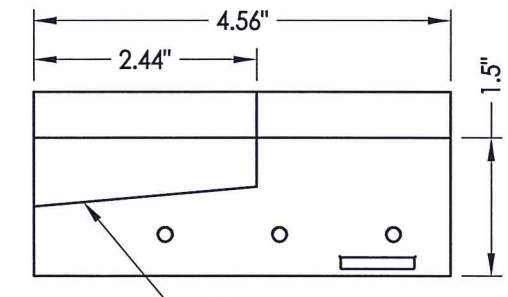
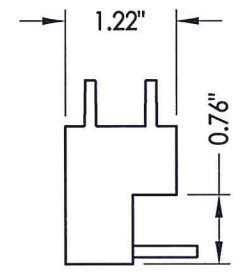
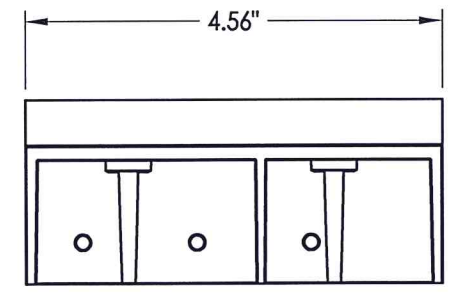
52 ULTIMATE HURRICANE ASTRAGAL
Endura Products



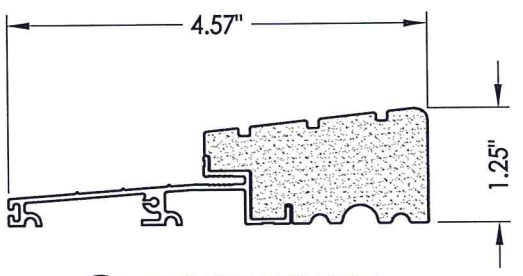
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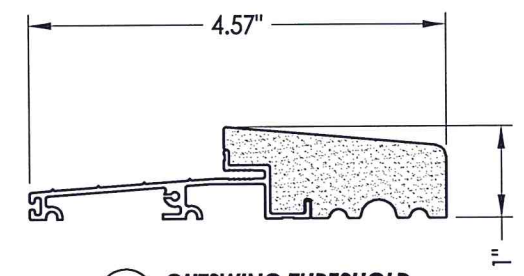
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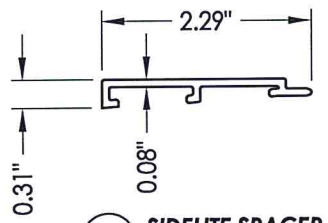
19 SILLKEY DETAILS
Optional



25 OUTSWING THRESHOLD
High-dam option



27 OUTSWING THRESHOLD



66 SIDELITE SPACER
Outswing



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PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	COMPONENTS

NO.	DATE	BY	REVISIONS
1	8/17/21	LFS	UPDATE TO 2018 IBC/IRC

DATE:	5/10/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4153
SHEET	10 OF 11

