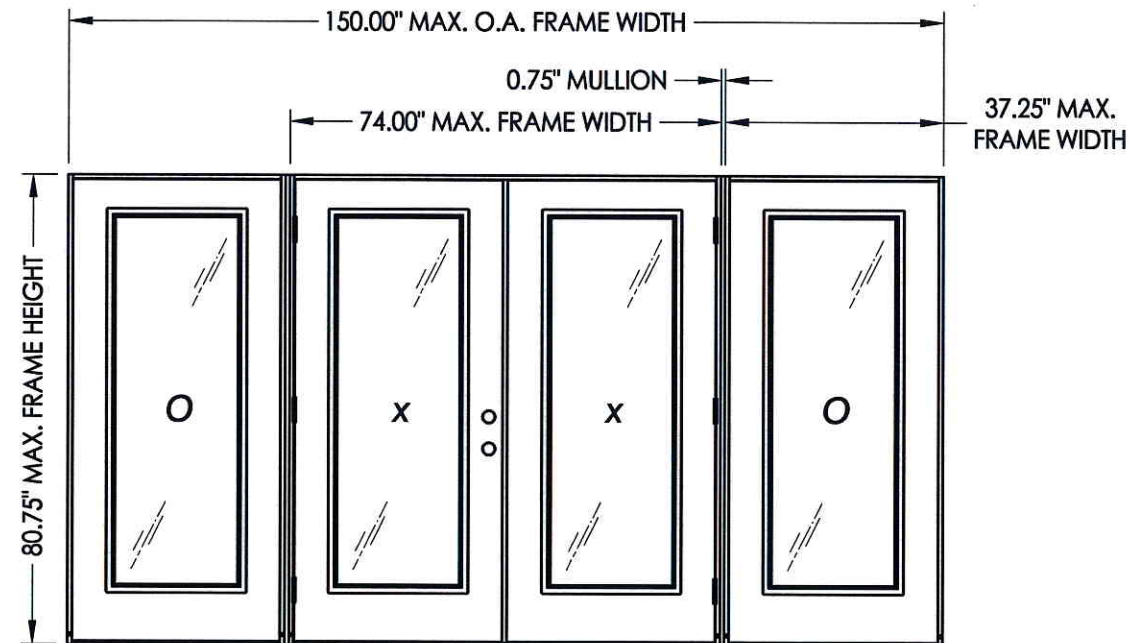
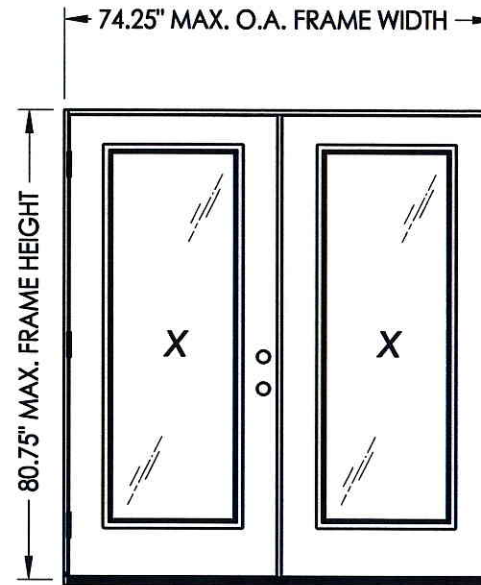




GLAZED FIBERGLASS DOUBLE DOOR w/ or w/out SIDELITES OUTSWING "IMPACT"



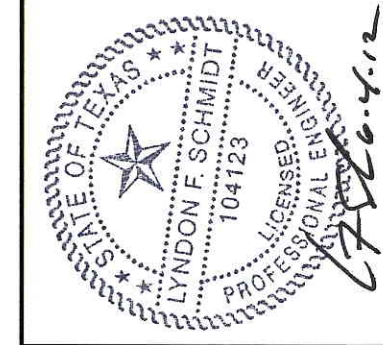
EVALUATED FOR USE IN THE STATE OF TEXAS

The Trinity Fiberglass Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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 the Seaward, Inland I and Inland II areas. 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details (Rectangular Lite)
3	Door panel details (Oval Lite)
4	Sidelite panel details and glazing details
5	Elevations
6	Horizontal cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Frame anchoring (XX)
10	Frame anchoring (OXXO)
11	Components
12	Astragal details
13	Bill of materials

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) ALUMINUM ASTRAGAL		DESIGN PRESSURE (PSF) PVC ASTRAGAL	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.25" x 80.75"	+ 55.0	- 55.0	+ 47.0	- 47.0
OXXO	150.0" x 80.75"	+ 55.0	- 55.0	+ 47.0	- 47.0



Documents Prepared By: Lyndon F. Schmidt, P.E.
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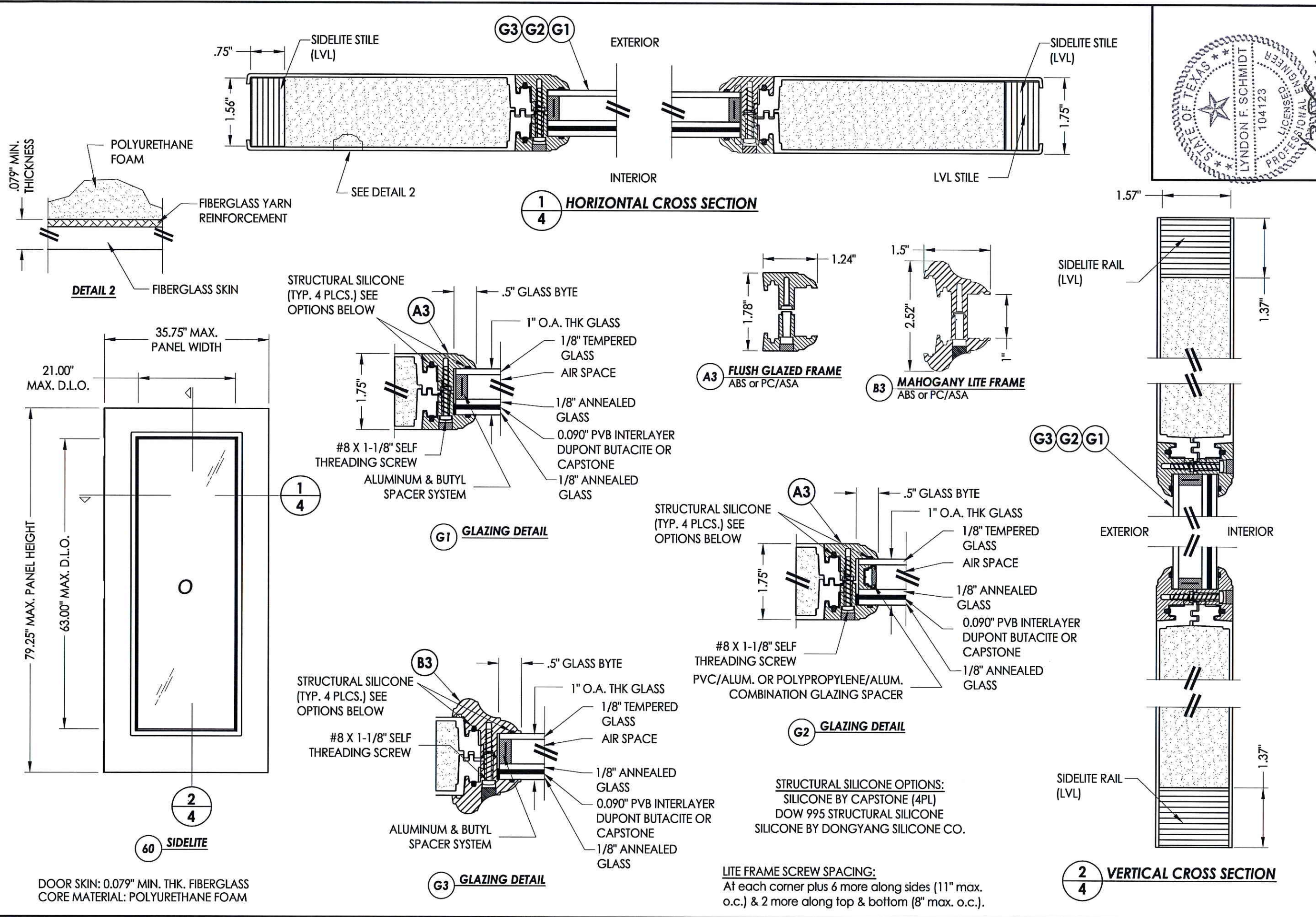
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

DATE: 5/10/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4157
SHEET 1 OF 13



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Phone No.: 813.659.9197

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

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAILS

NO.	DATE	BY	REVISIONS

DATE: 5/10/12

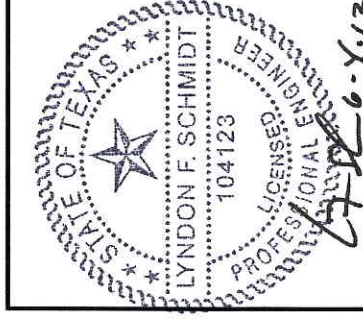
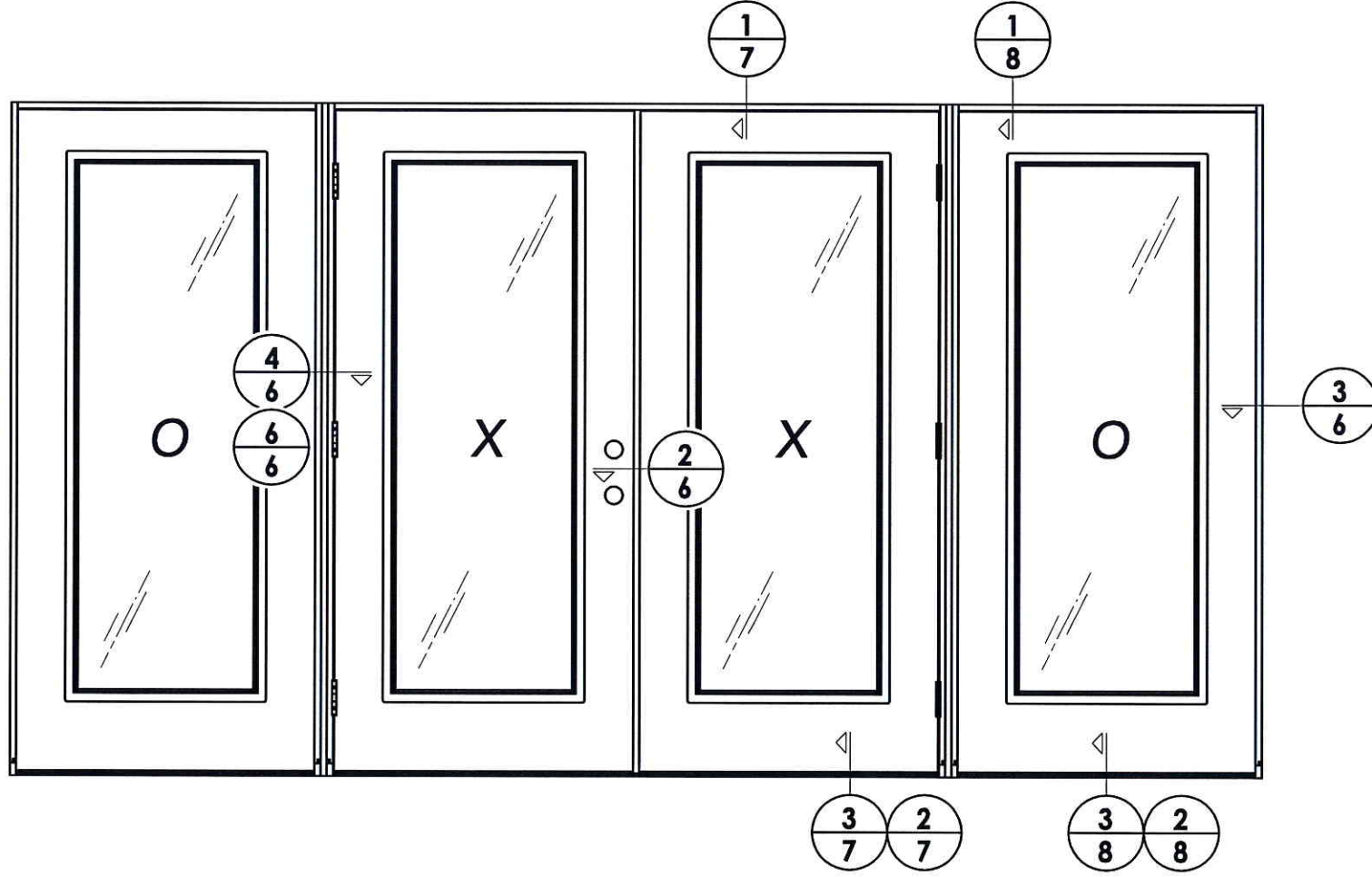
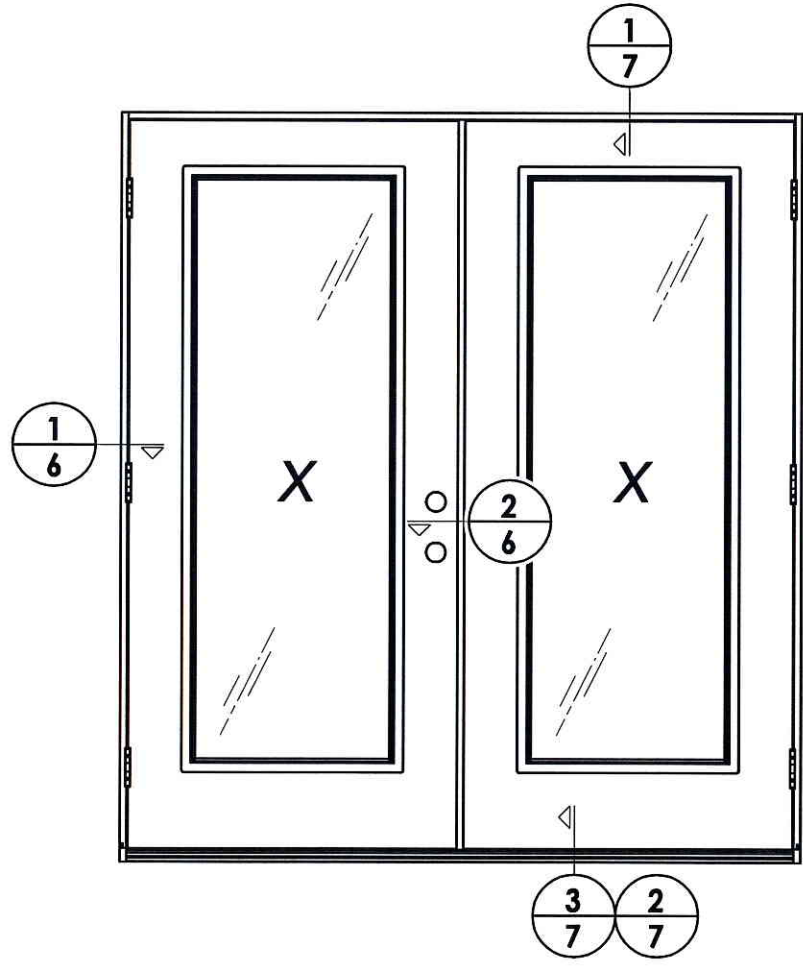
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4157

SHEET 4 OF 13



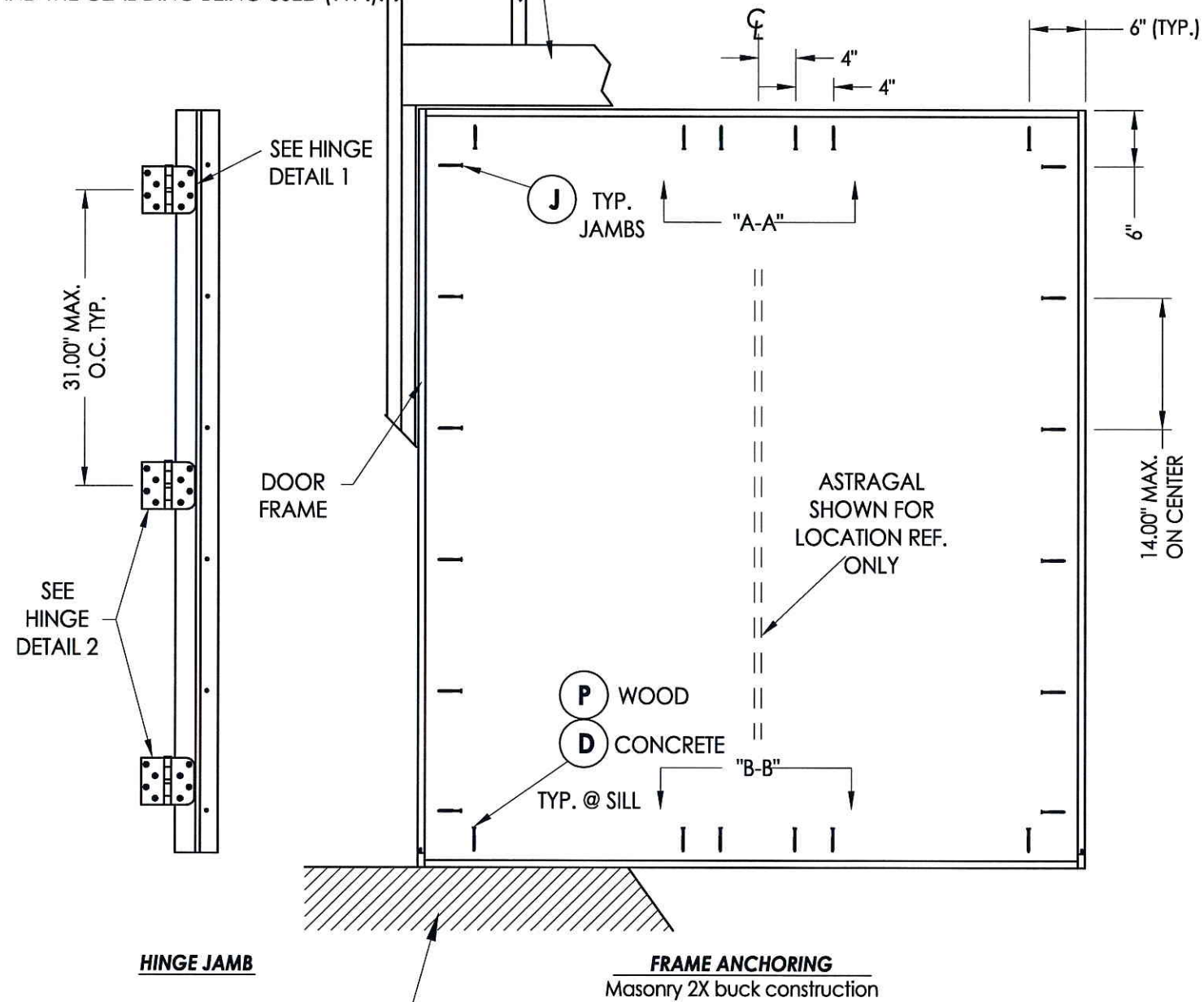
Documents Prepared By: Lyndon F. Schmidt, P.E.
 TEXAS P.E. #104123

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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: ELEVATIONS	
NO.	DATE
BY	BY
REVISIONS	
DATE: 5/10/12	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4157	
SHEET 5 OF 13	

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP.).

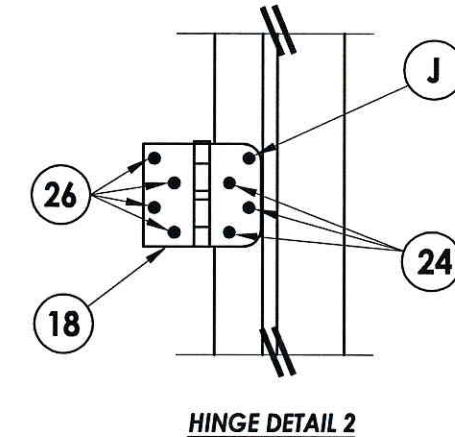
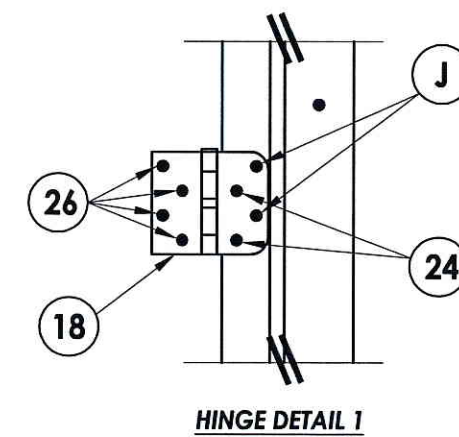
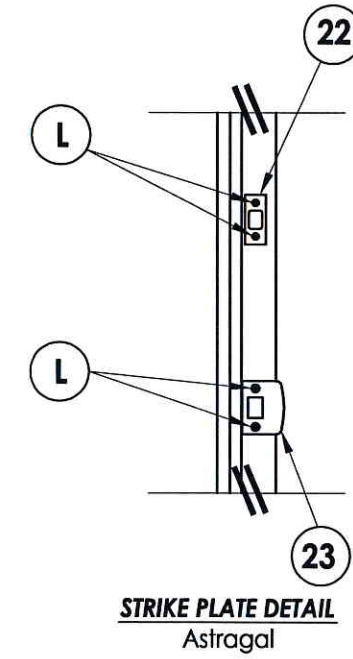
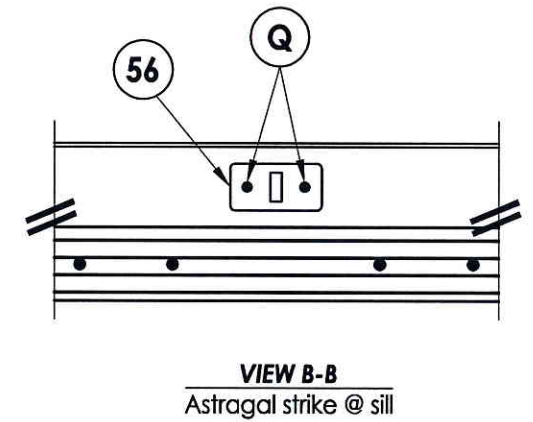
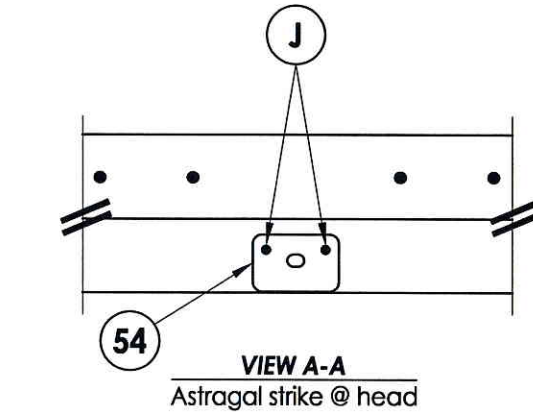
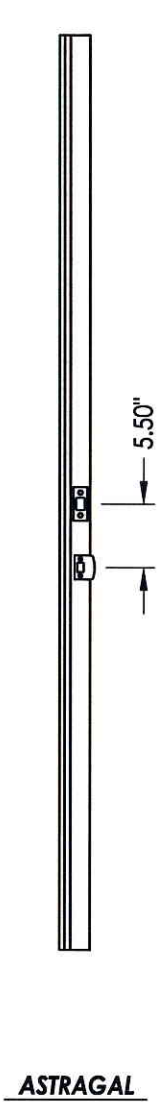


FLOOR SUBSTRATE MATERIAL (TYP.)
 CONCRETE (MIN. 3000 PSI)
 WOOD (G >= 0.42)

CONCRETE ANCHOR NOTES:

1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimensions are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2-1/2"	3"
ITW	3/16"	1-1/4"	2-5/8"	1-1/8"
ELCO	1/4"	1-1/4"	1"	4"



Documents Prepared By: Lyndon F. Schmidt, P.E.
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 Phone No.: 813.659.9197

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

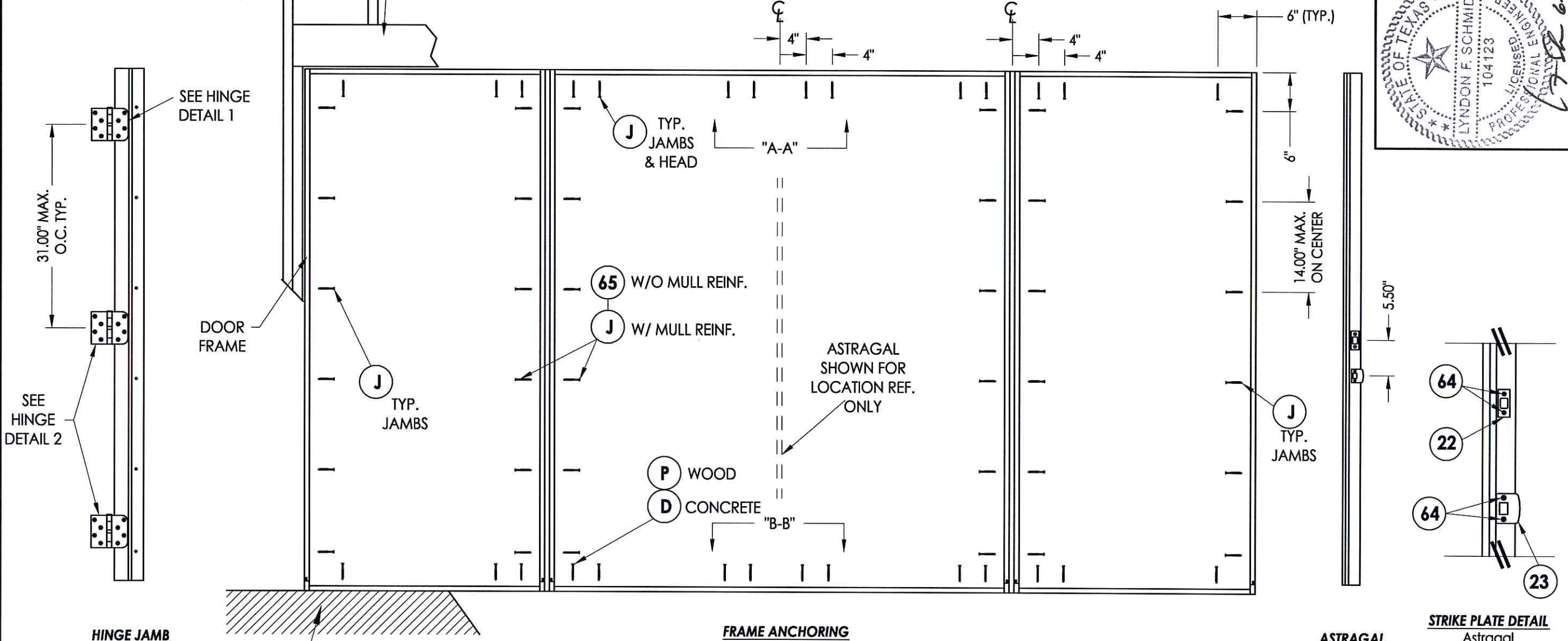
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: FRAME ANCHORING (XX)

NO.	DATE	BY	REVISIONS

DATE: 5/10/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4157
 SHEET 9 OF 13

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP.).



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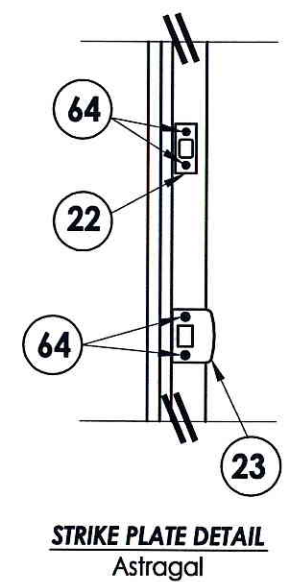
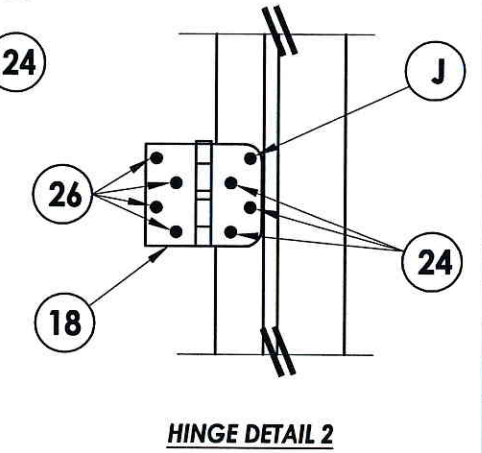
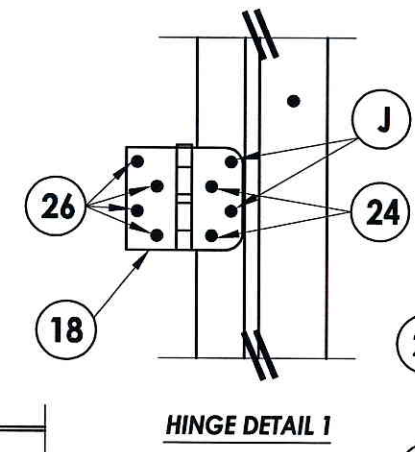
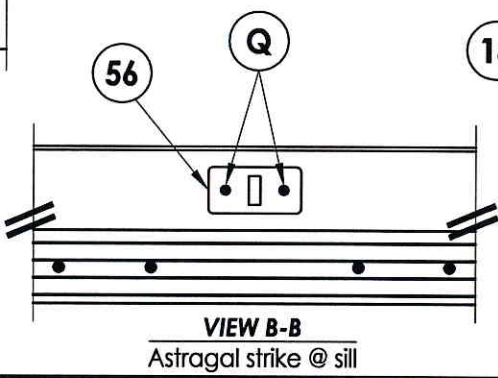
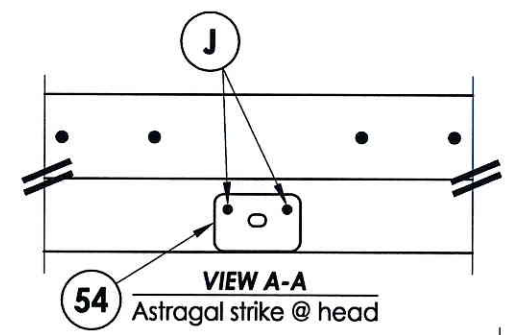
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Phone No.: 813.659.9197

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CERTIFICATE OF REGISTRATION # F-11852

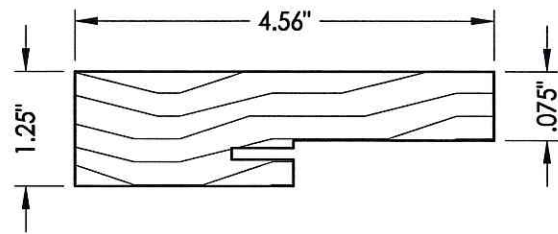
FLOOR SUBSTRATE MATERIAL (TYP.)
CONCRETE (MIN. 3000 PSI)
WOOD (G >= 0.42)

- CONCRETE ANCHOR NOTES:**
1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
 2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimensions are not exceeded.
 3. Concrete anchor table:

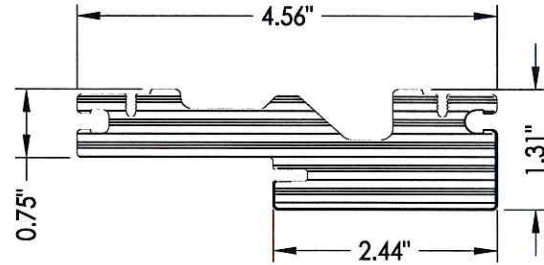
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2-1/2"	3"
ITW	3/16"	1-1/4"	2-5/8"	1-1/8"
ELCO	1/4"	1-1/4"	1"	4"



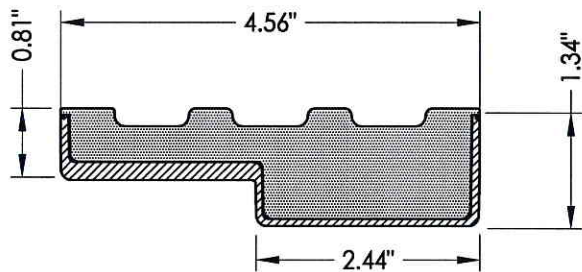
PRODUCT:	TRINITY GLASS INT'L	
PART OR ASSEMBLY:	FRAME ANCHORING (OXXO)	
NO.	DATE	BY
		REVISIONS
DATE:	5/10/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4157	
SHEET	10	OF 13



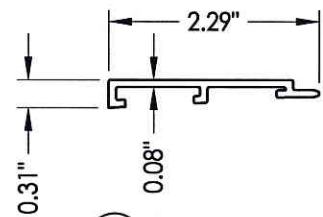
1 SIDE & HEAD JAMBS



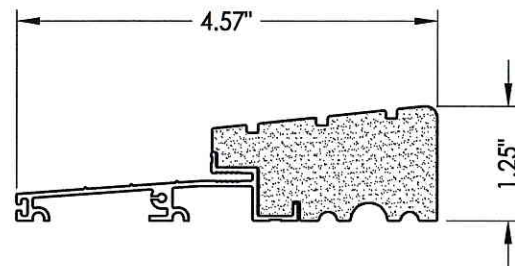
**3 HEAD AND JAMBS
PVC**



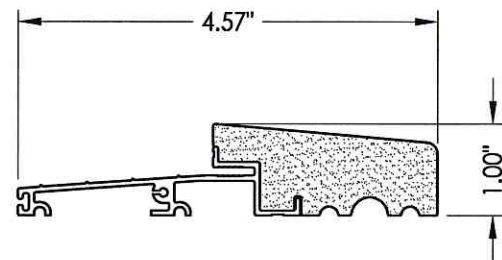
**2 HEAD AND JAMBS
Composite PVC Base
w/ Fiberglass Wrap**



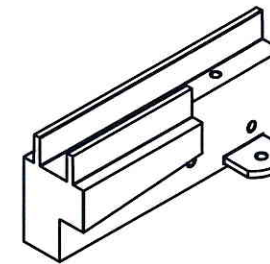
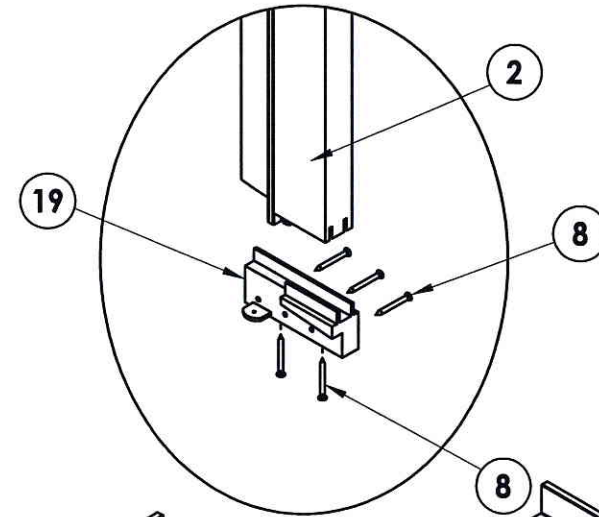
**66 SIDELITE SPACER
Outswing**



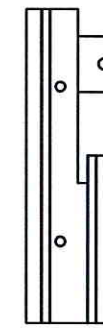
**25 OUTSWING THRESHOLD
High-dam option**



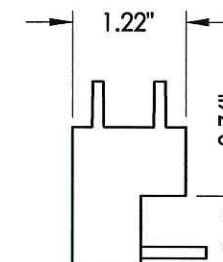
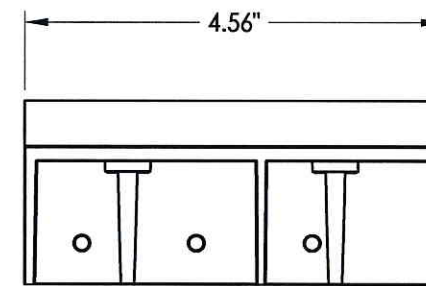
27 OUTSWING THRESHOLD



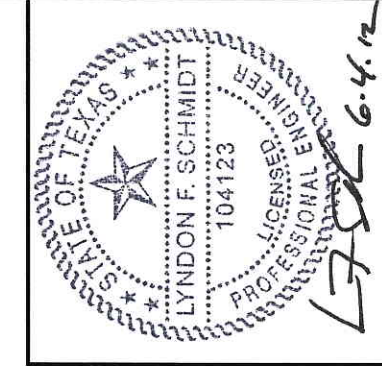
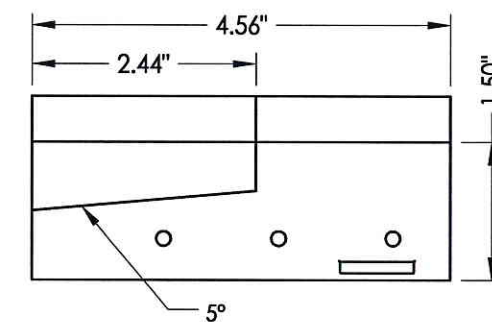
**SILLKEY, LEFT
SCALE: NONE**



**SILLKEY, RIGHT
SCALE: NONE**



**19 SILLKEY DETAILS
Optional**



Documents Prepared By: Lyndon F. Schmidt, P.E.
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Phone No.: 813.659.9197

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

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 5/10/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4157

SHEET 11 OF 13

