



**TRINITY GLASS**  
INTERNATIONAL

33615 1st Way S, Federal Way, WA 98003

# GLAZED PREMIUM FIBERGLASS SINGLE DOOR w/ SIDELITES IN SWING / OUT SWING "NON-IMPACT"

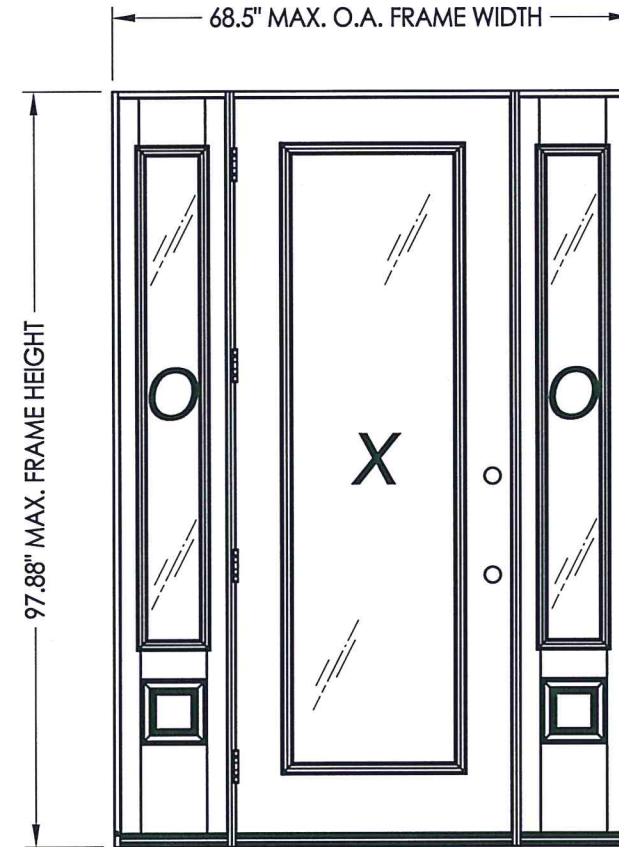
## EVALUATED FOR USE IN THE STATE OF TEXAS

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:

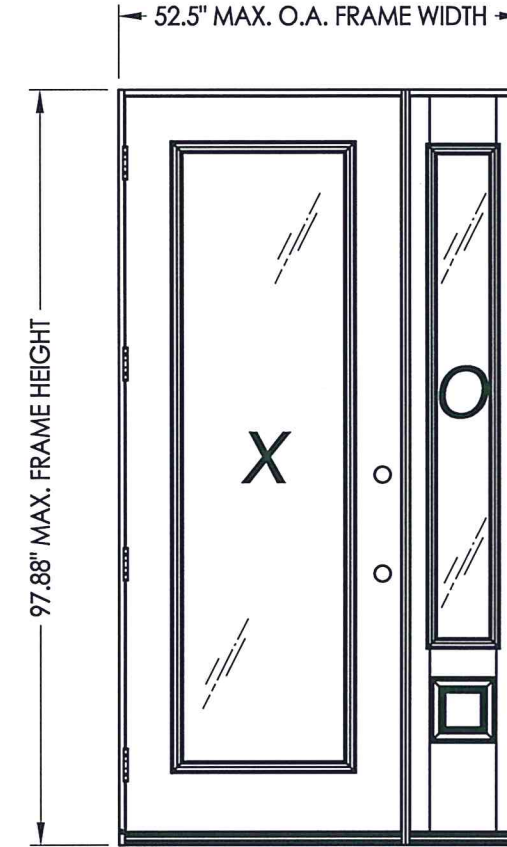
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in wind borne debris regions, the opaque door panel has been tested and evaluated as an impact resistant product and does not require the use of an approved impact resistant covering. The sidelites must be protected with an impact resistant covering that complies with Sections R301.2.1.2 and 1609.1.2. This opaque door 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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1	Typical elevations, design pressures & general notes
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6	Vertical cross sections
7	Vertical cross sections
8	Frame anchoring (XO)
9	Frame anchoring (OXO)
10	Components
11	Bill of materials

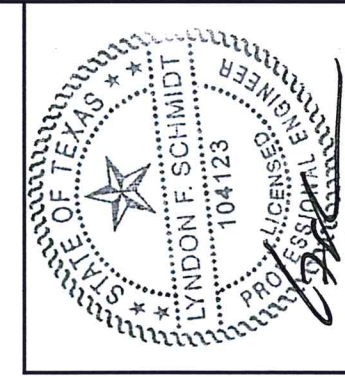


**SINGLE DOOR W/ SIDELITES (BOXED)**



**SINGLE DOOR W/ SIDELITE (BOXED)**

UNIT TYPE	SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
SINGLE w/ SIDELITES OXO	IN SWING	68.5" x 97.88"	G1	+47.0	-47.0
	OUT SWING	68.5" x 96.75"		+47.0	-47.0
SINGLE w/ SIDELITE XO, OX	IN SWING	52.5" x 97.88"		+47.0	-47.0
	OUT SWING	52.5" x 96.75"		+47.0	-47.0



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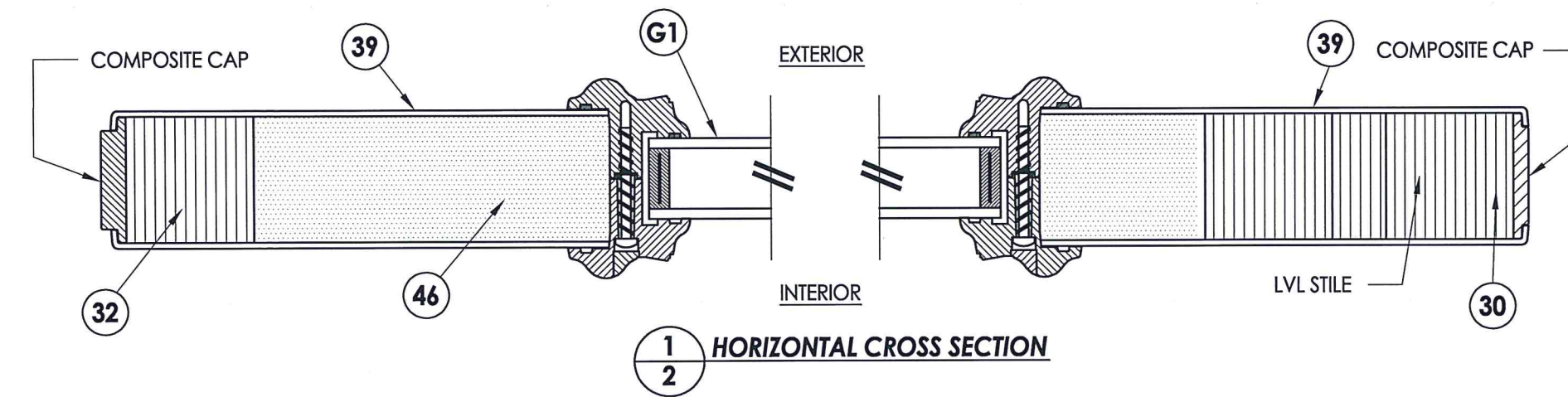
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

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

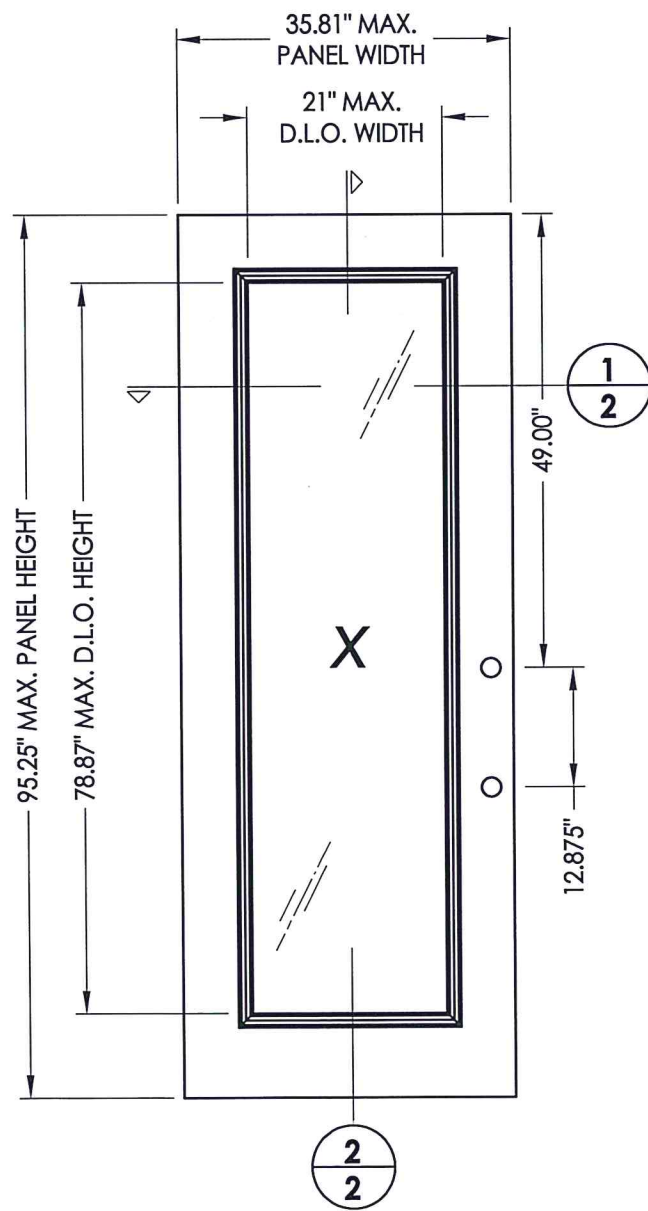
NO.	DATE	BY	REVISIONS

DATE: 8/11/21  
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DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-5231  
SHEET 1 OF 11

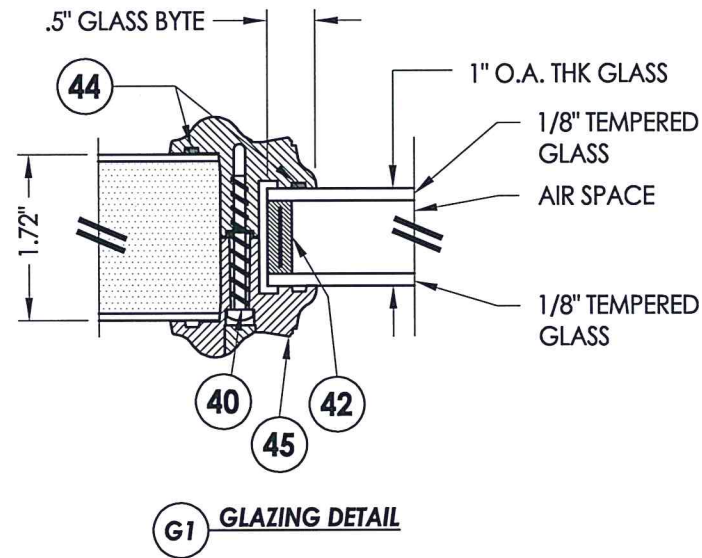
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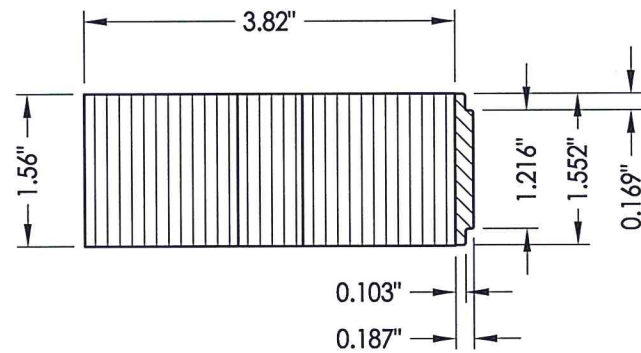
1  
2 HORIZONTAL CROSS SECTION



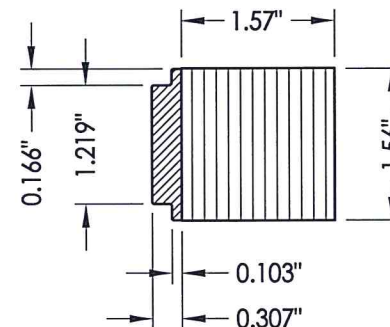
7 PREMIUM LIPLITE FIBERGLASS DOOR



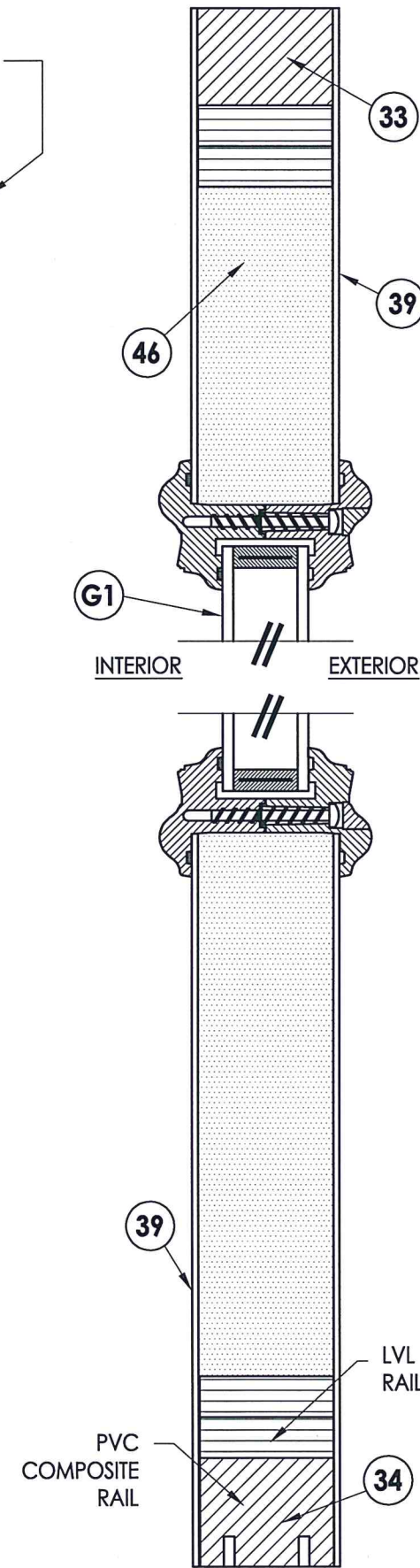
G1 GLAZING DETAIL



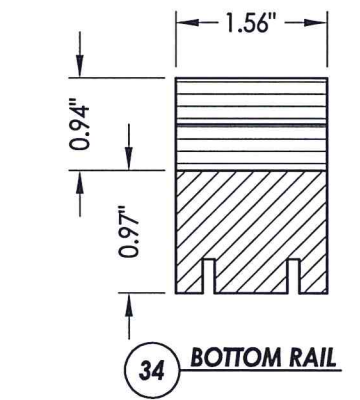
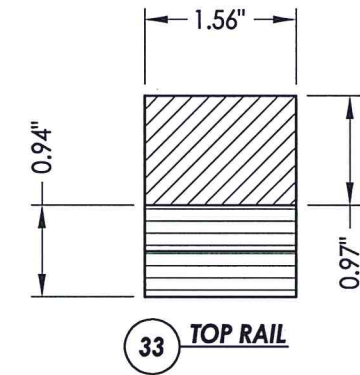
30 LATCH STILE



32 HINGE STILE



2  
2 VERTICAL CROSS SECTION



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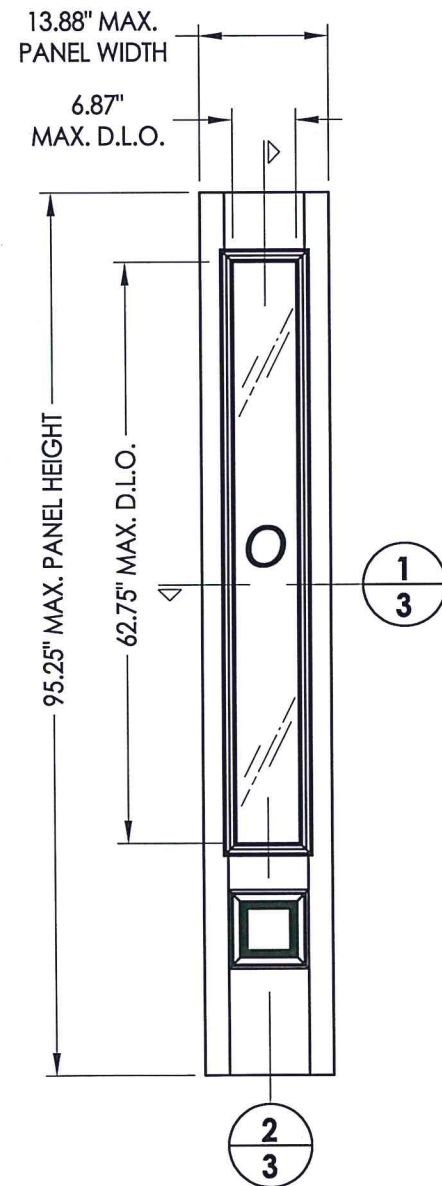
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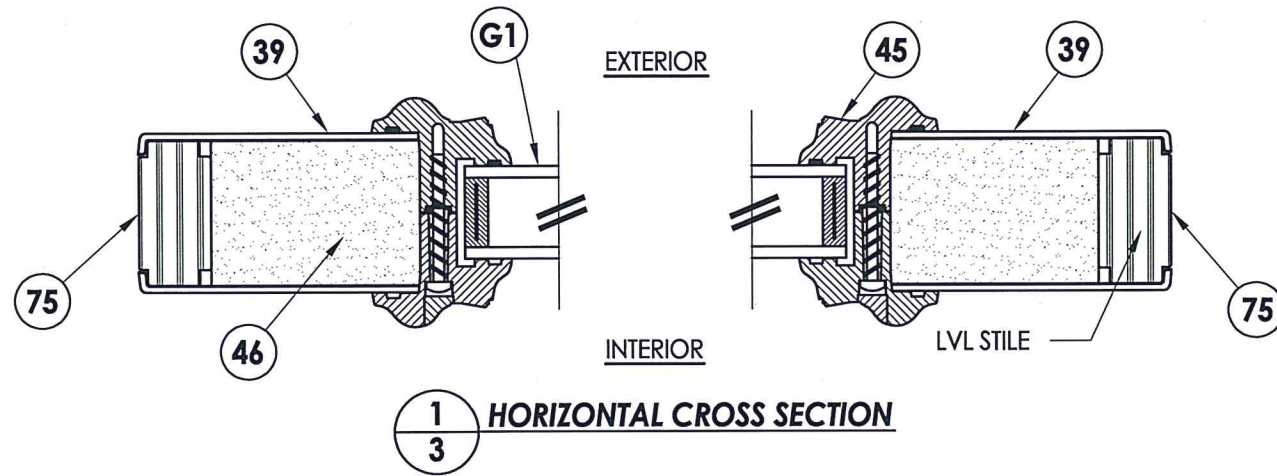
PRODUCT: TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS  
PART OR ASSEMBLY: DOOR PANEL CONSTRUCTION DETAILS AND GLAZING DETAILS

NO.	DATE	BY	REVISIONS

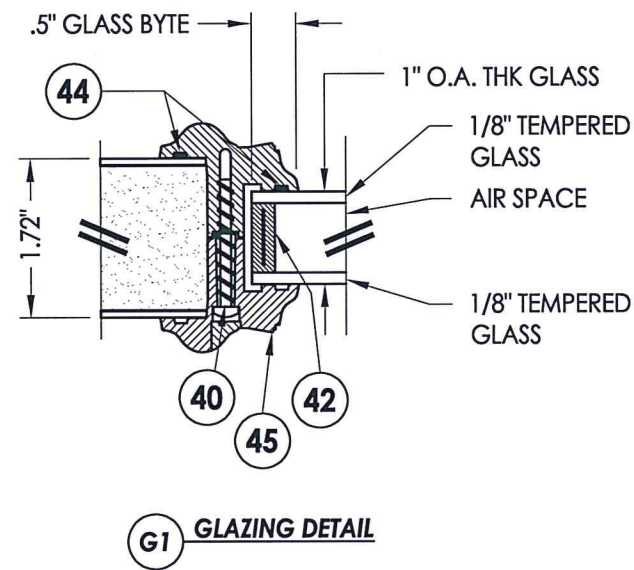
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DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-5231  
SHEET 2 OF 11



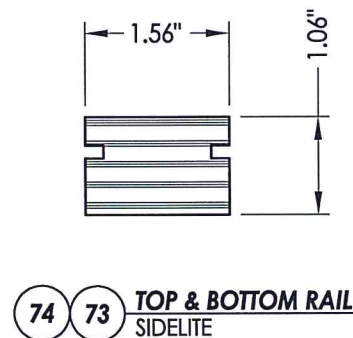
66 PREMIUM LIPLITE FIBERGLASS SIDELITE



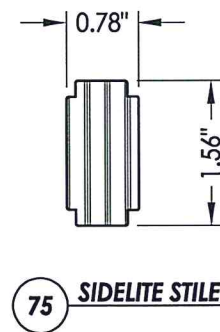
1/3 HORIZONTAL CROSS SECTION



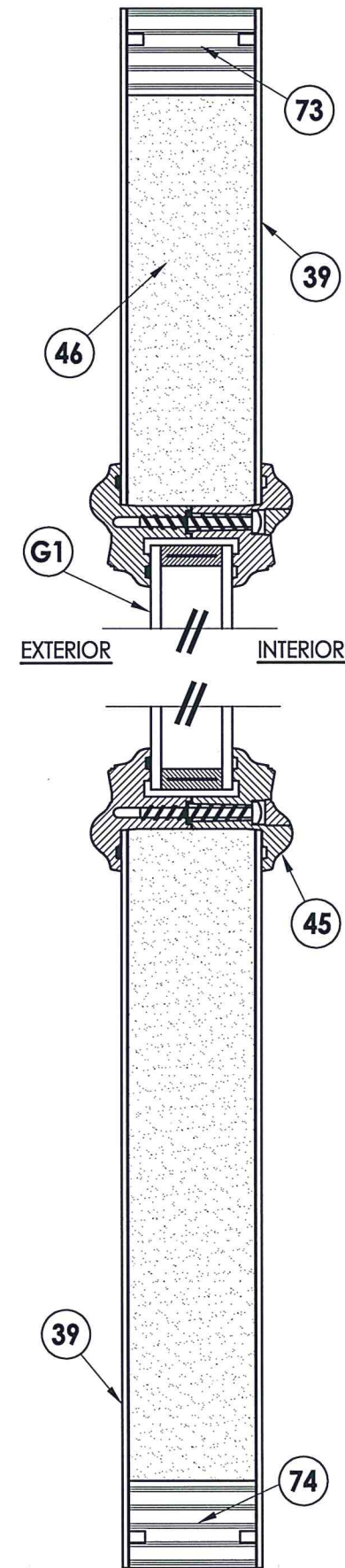
G1 GLAZING DETAIL



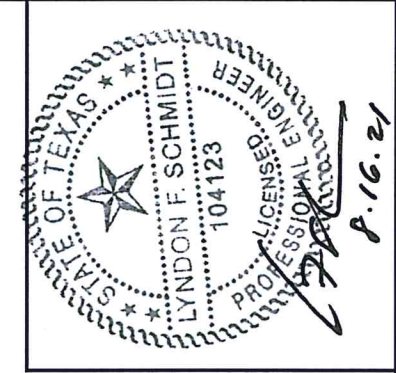
74 73 TOP & BOTTOM RAIL SIDELITE



75 SIDELITE STILE



2/3 VERTICAL CROSS SECTION



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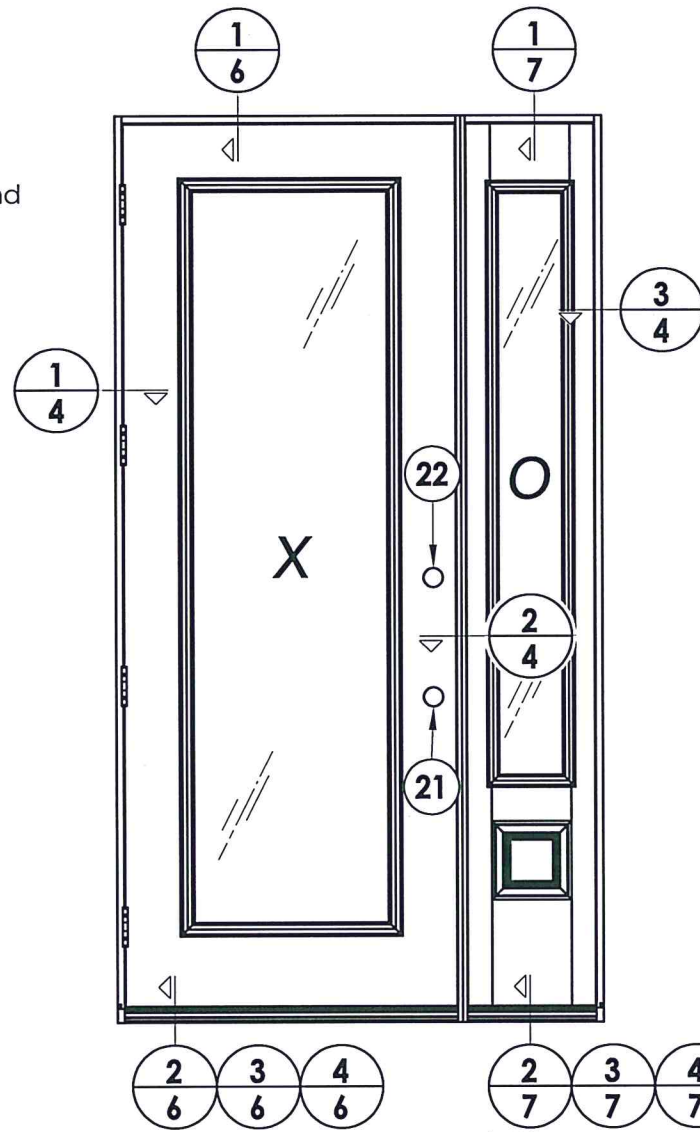
PRODUCT: TRINITY GLASS INT'L  
PREMIUM LIPLITE FIBERGLASS  
PART OR ASSEMBLY: SIDELITE PANEL CONSTRUCTION  
DETAILS AND GLAZING DETAILS

NO.	DATE	BY	REVISIONS

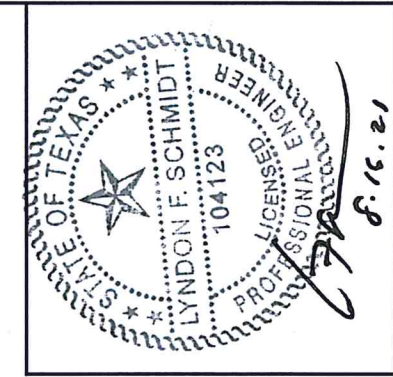
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SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
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SHEET 3 OF 11

**NOTE:**

- Sidelite ass'y fastener: 6" from each end and 6 more screws equally spaced between (8 screws total per jamb).



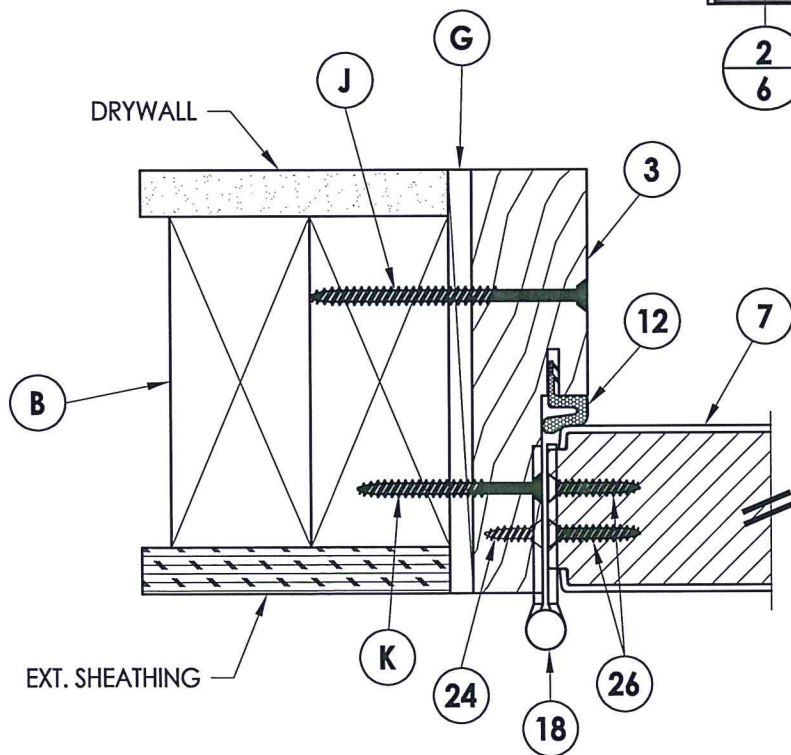
LOCK & DEADBOLT RATINGS CHART		
MANUFACTURER	MODEL	ITEM #
KWIKSET	LOCK: 740	21
	DEADBOLT: 780	22



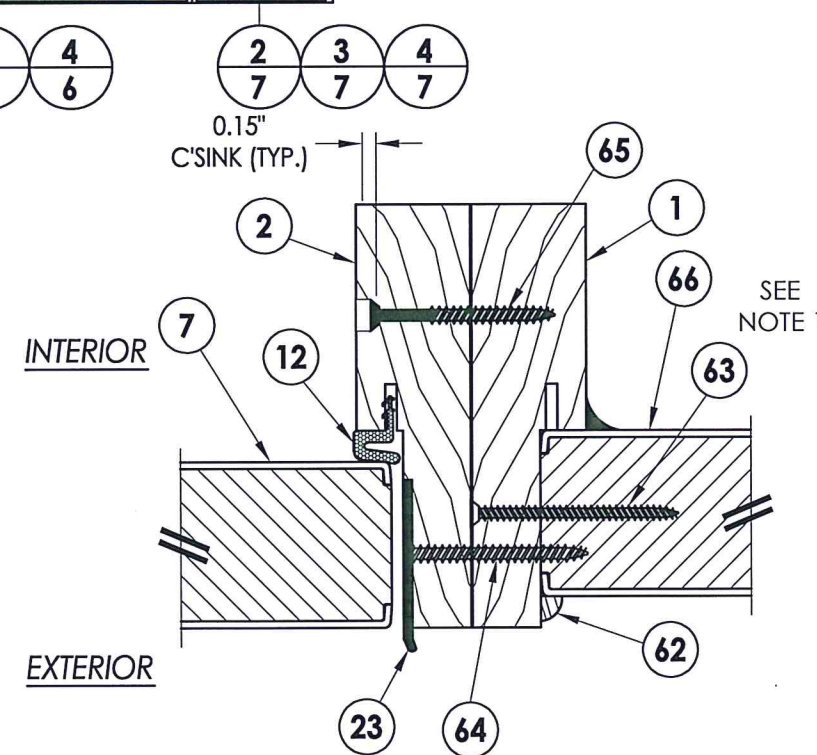
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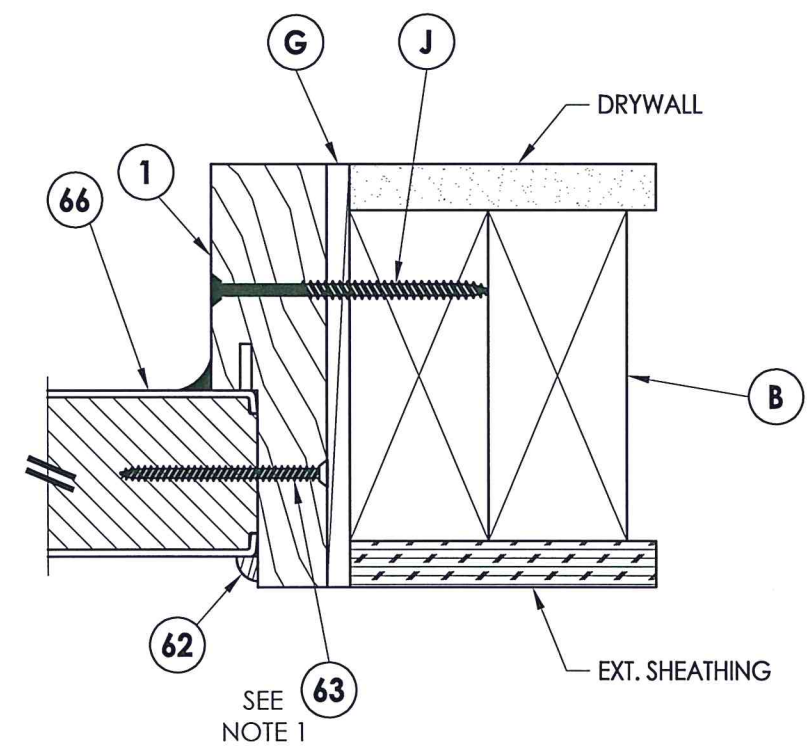
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**1** HORIZONTAL CROSS SECTION  
**3** Outswing shown  
Inswing also approved



**2** HORIZONTAL CROSS SECTION  
**4** Outswing shown  
Inswing also approved



**3** HORIZONTAL CROSS SECTION  
**4** Outswing shown  
Inswing also approved

PRODUCT:  
TRINITY GLASS INT'L  
PREMIUM LIPLITE FIBERGLASS

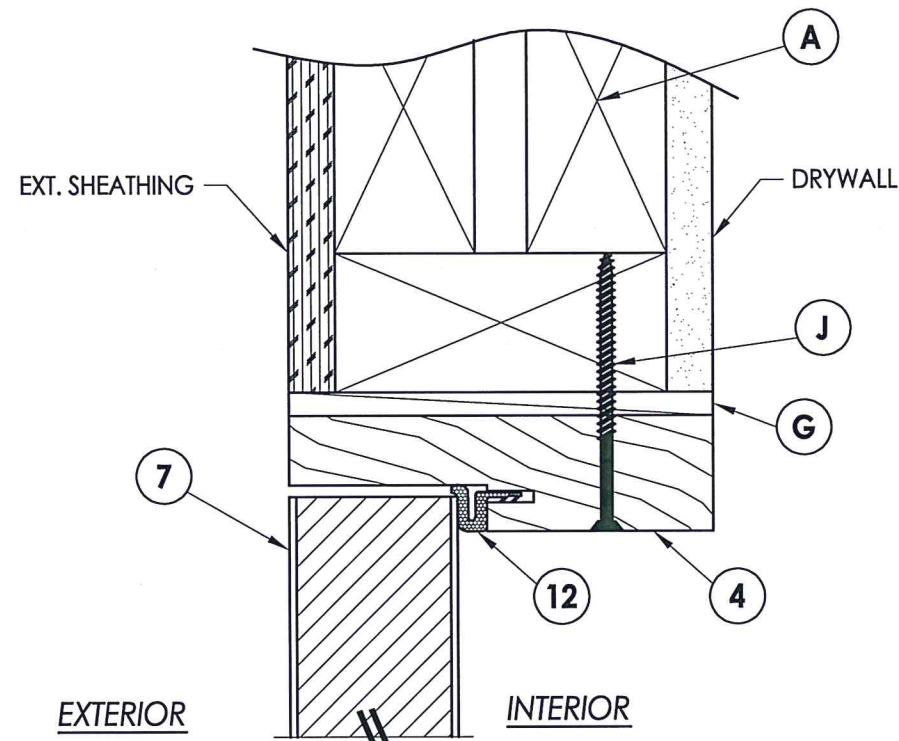
PART OR ASSEMBLY:  
HORIZONTAL CROSS SECTIONS

NO.	DATE	BY

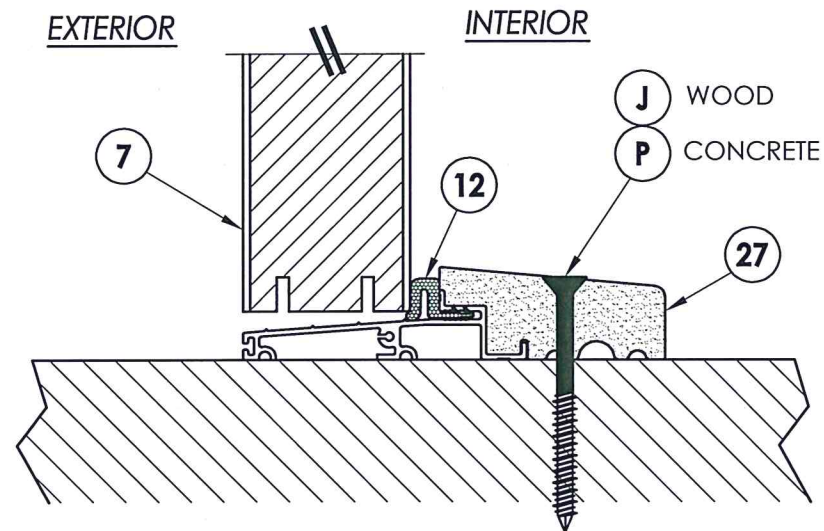
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SHEET 4 OF 11



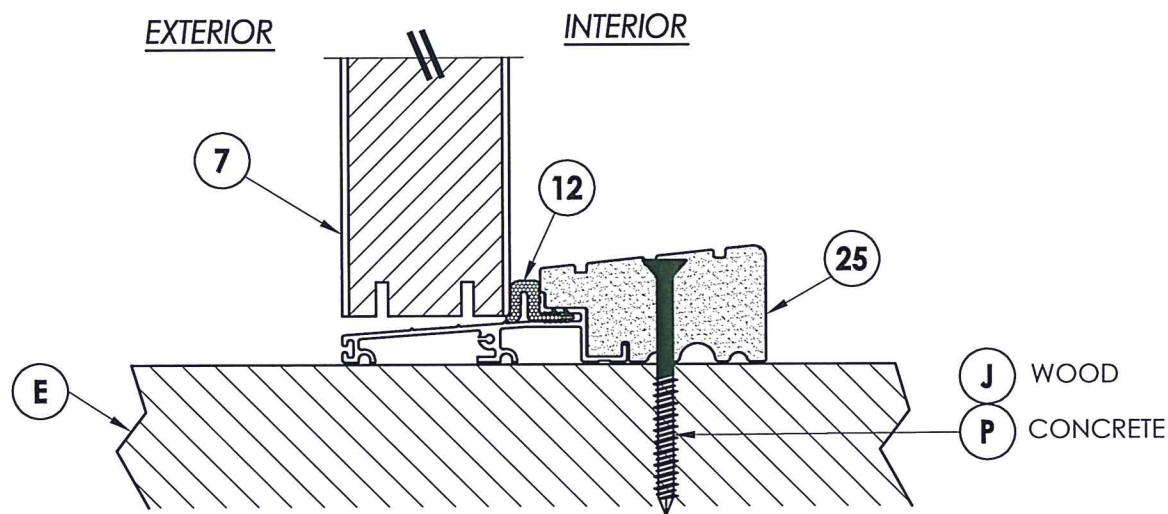
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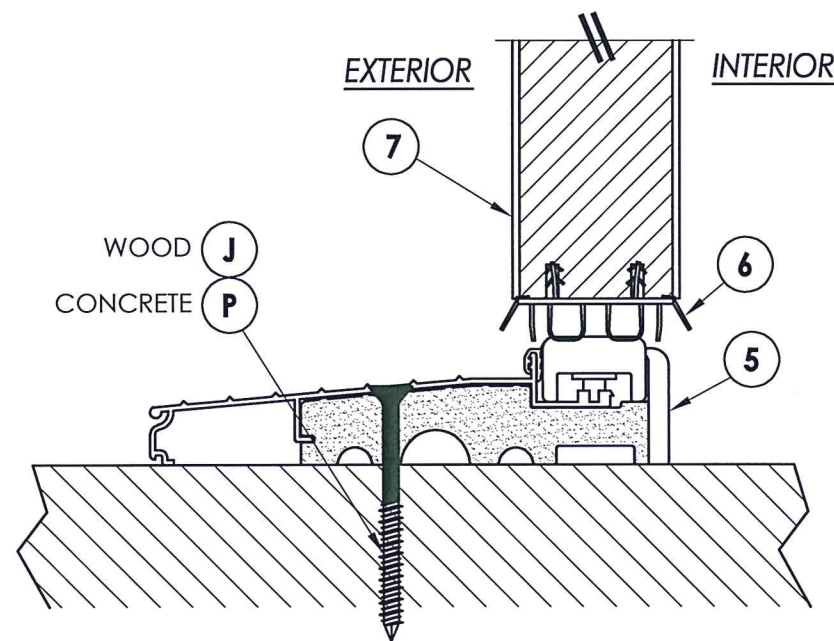
**1** VERTICAL CROSS SECTION  
**6** Outswing shown  
 Inswing also approved



**2** VERTICAL CROSS SECTION  
**6** Outswing configuration



**3** VERTICAL CROSS SECTION  
**6** Outswing configuration



**4** VERTICAL CROSS SECTION  
**6** Inswing configuration



8-16-21

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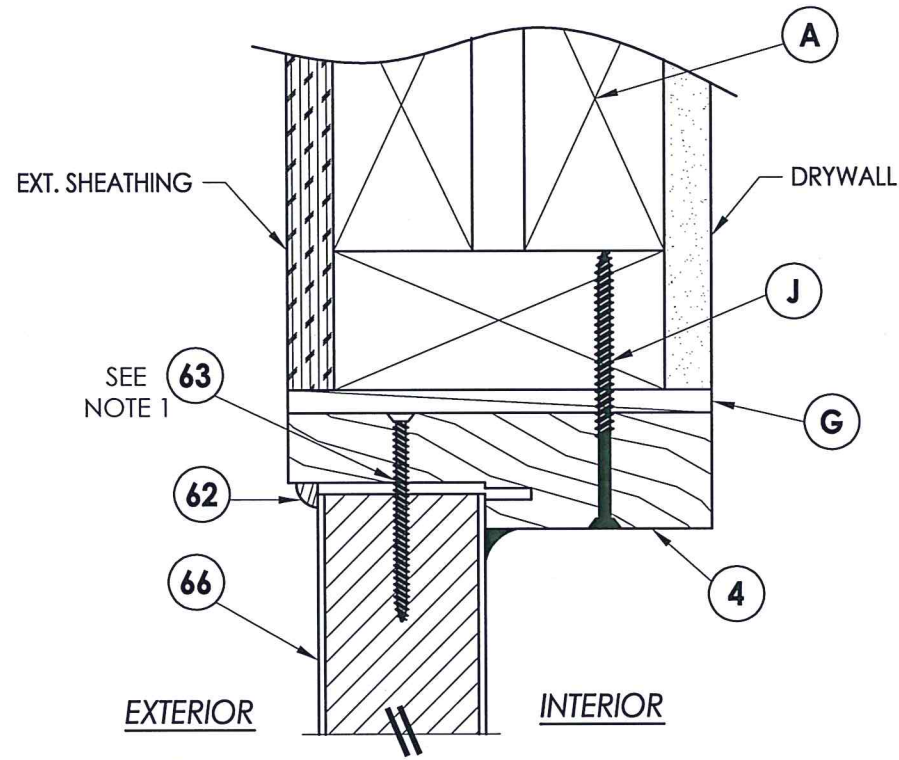
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 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

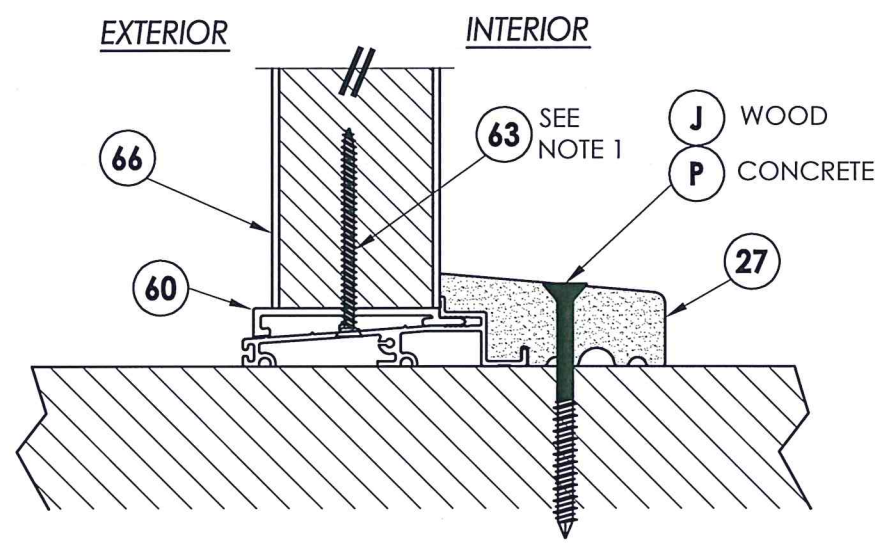
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 SHEET 6 OF 11

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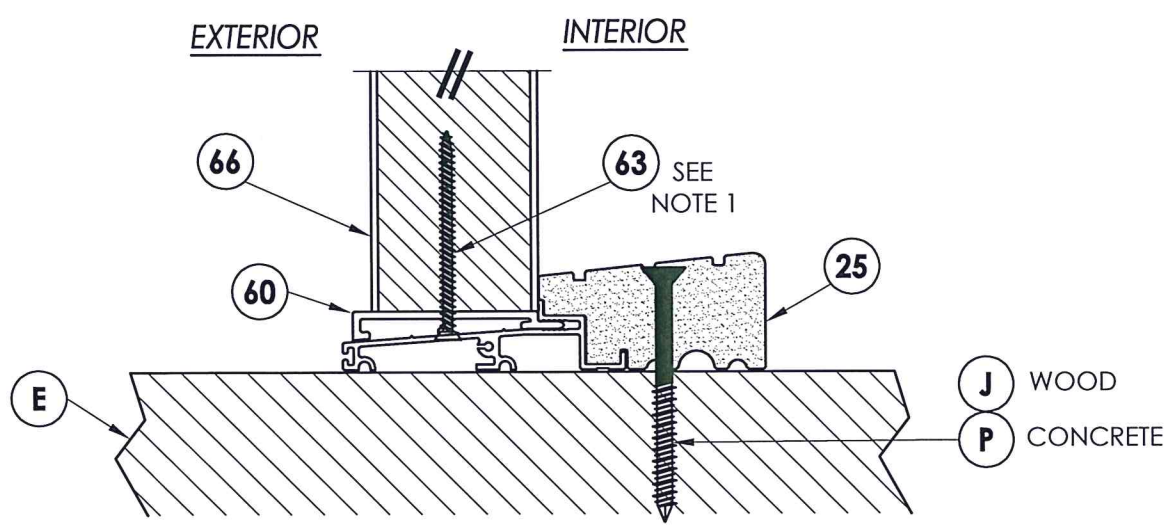


**1**  
**7** VERTICAL CROSS SECTION  
Outswing sill

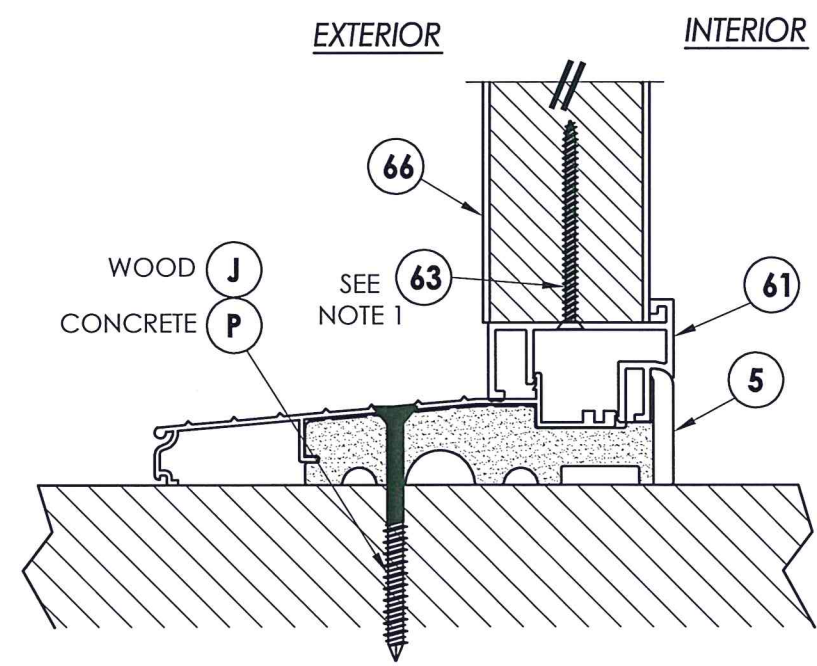


**2**  
**7** VERTICAL CROSS SECTION  
Outswing sill

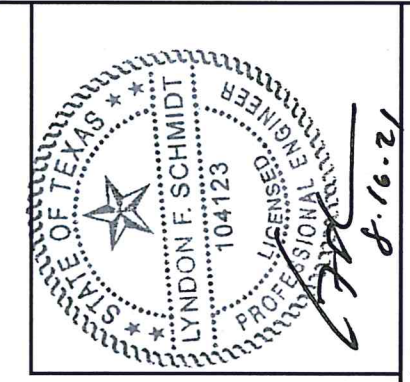
NOTE:  
1. Screws thru head and sill jamb located 3" from each end and O.C. (TYP.) line.



**3**  
**7** VERTICAL CROSS SECTION  
Outswing sill - high dam



**4**  
**7** VERTICAL CROSS SECTION  
Inswing sill



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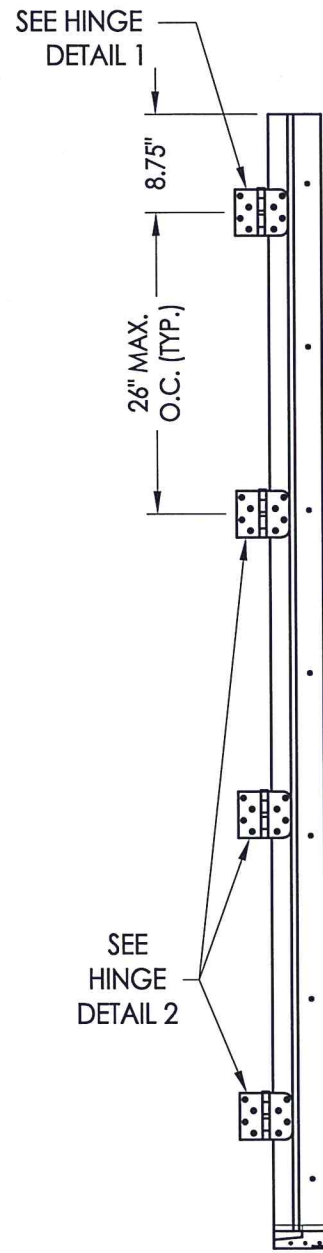
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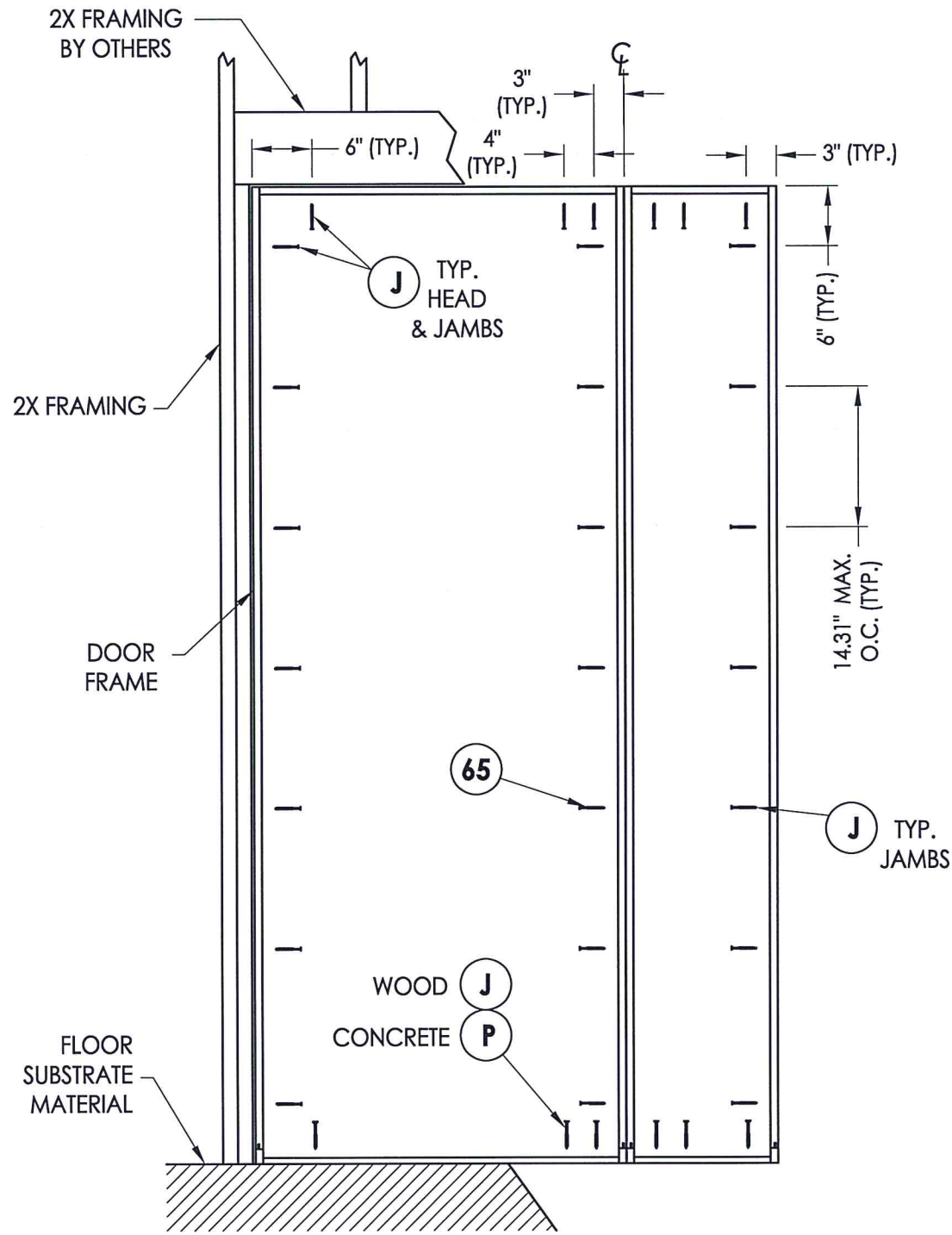
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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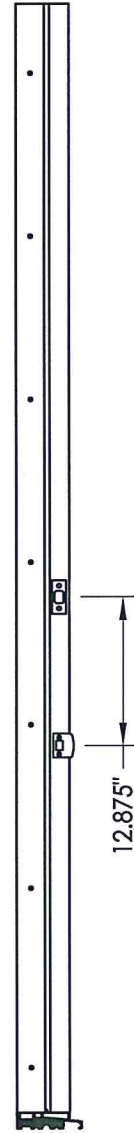
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DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-5231  
SHEET 7 OF 11



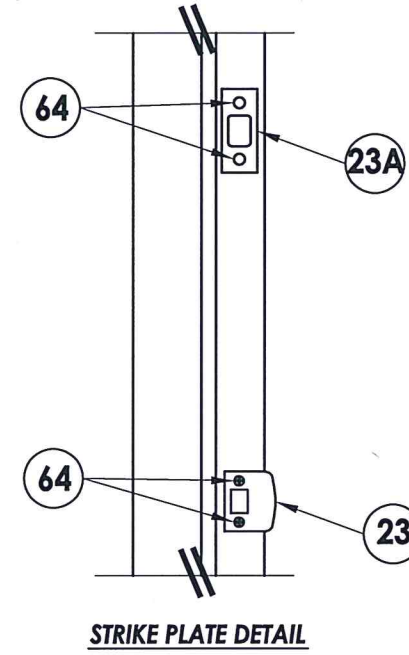
**HINGE JAMB**



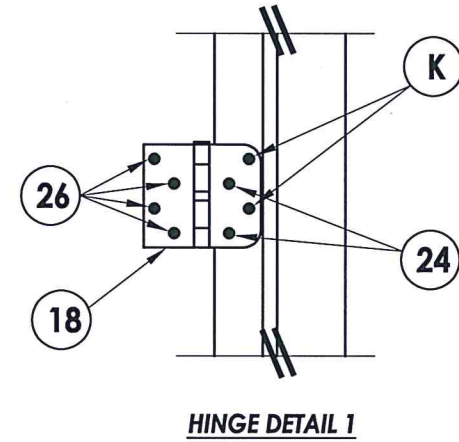
**FRAME ANCHORING**  
Stud construction



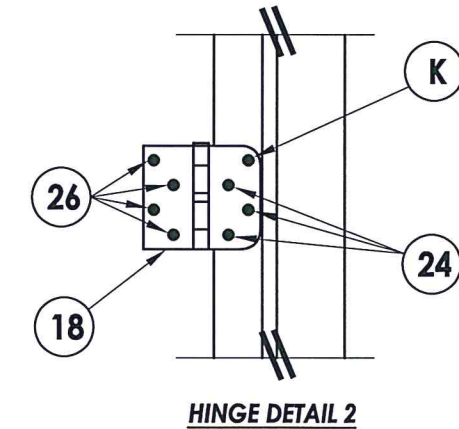
**STRIKE MULLION**



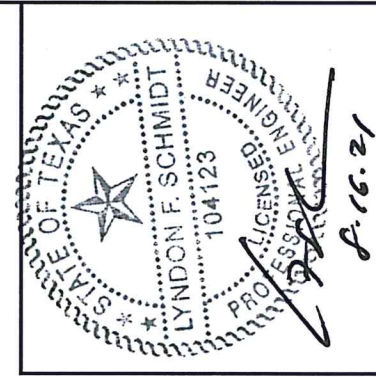
**STRIKE PLATE DETAIL**



**HINGE DETAIL 1**



**HINGE DETAIL 2**



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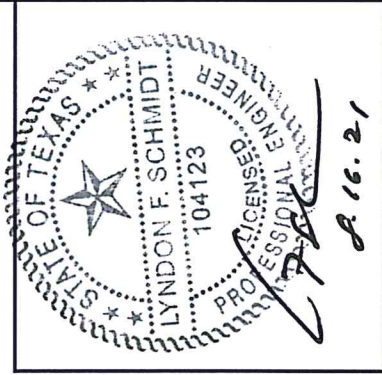
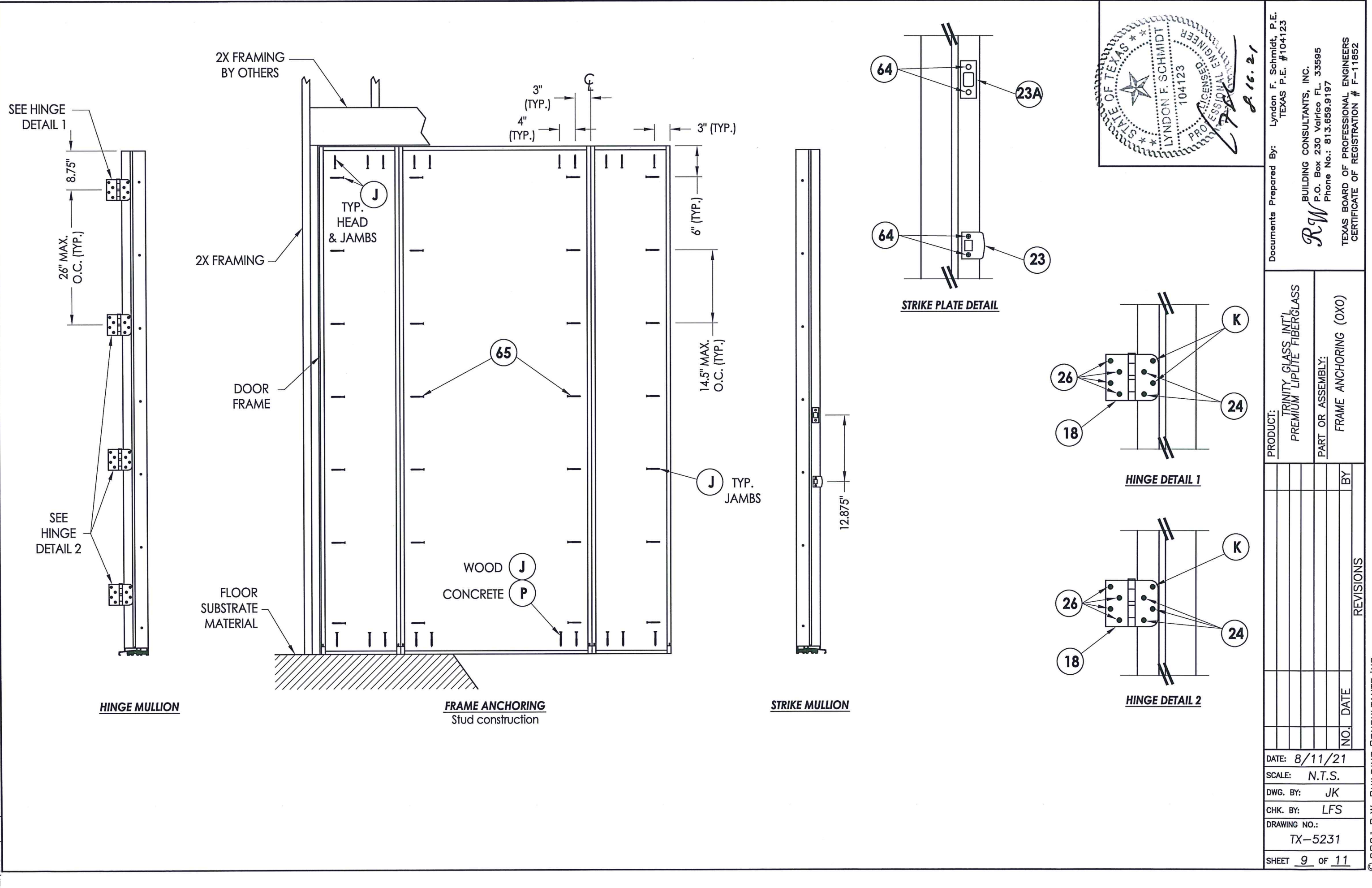
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FRAME ANCHORING (XO)

NO.	DATE	BY	REVISIONS

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SCALE: N.T.S.  
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SHEET 8 OF 11



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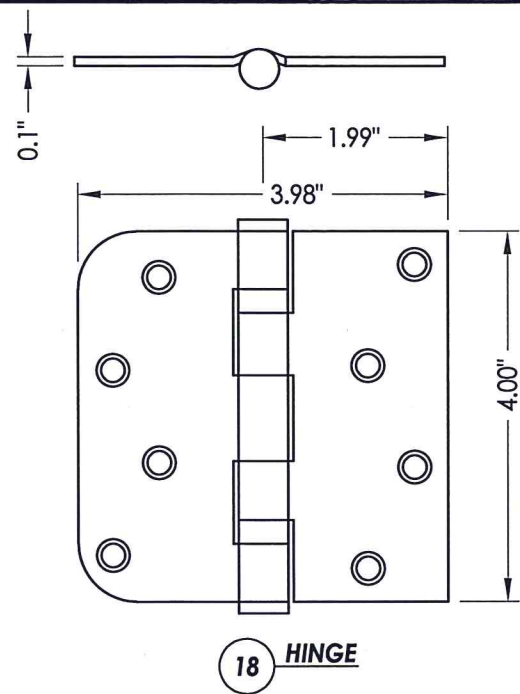
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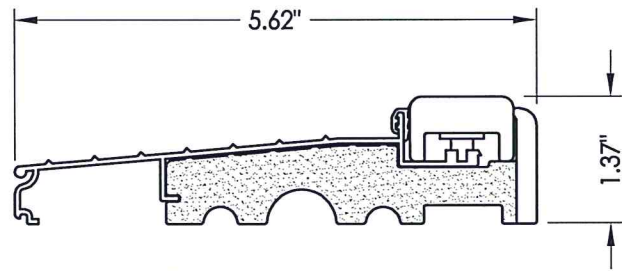
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 FRAME ANCHORING (OXO)

NO.	DATE	BY	REVISIONS

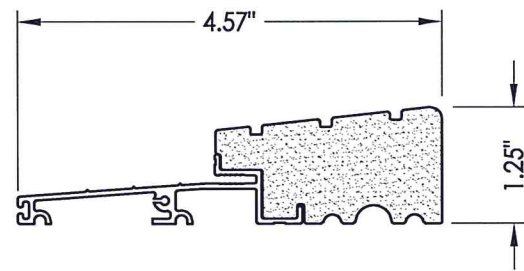
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 CHK. BY: LFS  
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 SHEET 9 OF 11



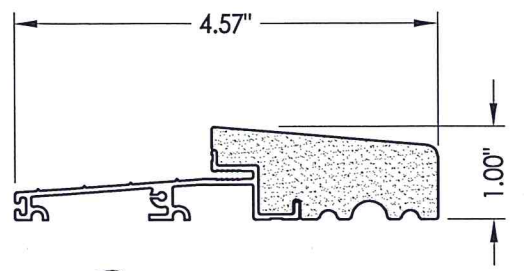
18 HINGE



5 INSWING THRESHOLD



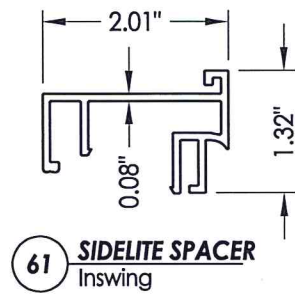
25 OUTSWING THRESHOLD  
High-dam option



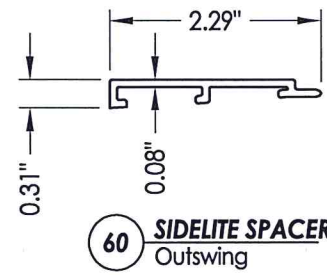
27 OUTSWING THRESHOLD



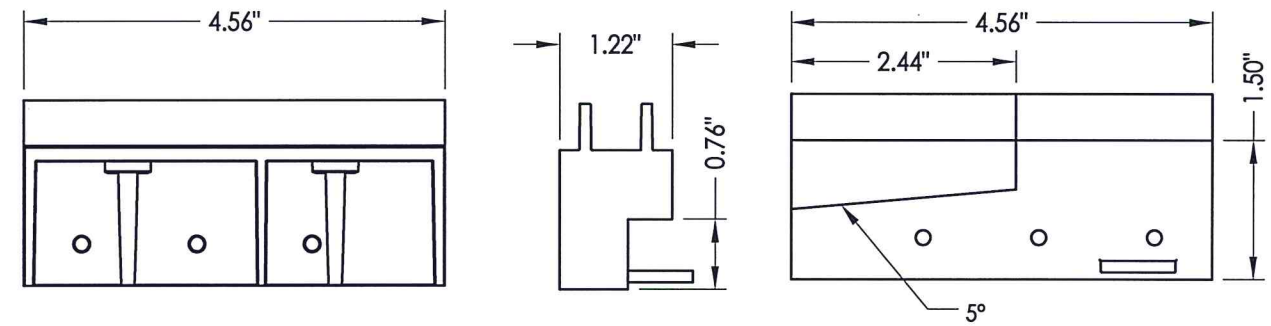
6 DOOR BOTTOM SWEEP



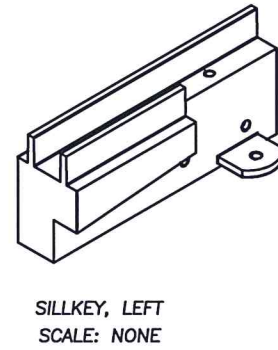
61 SIDELITE SPACER  
Inswing



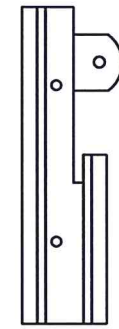
60 SIDELITE SPACER  
Outswing



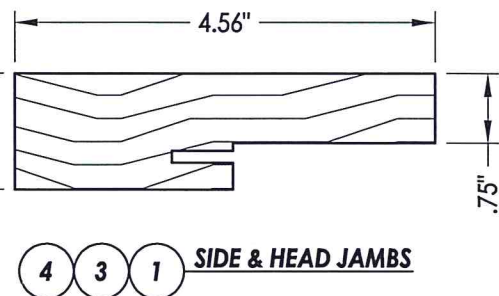
19 SILLKEY DETAILS  
Optional



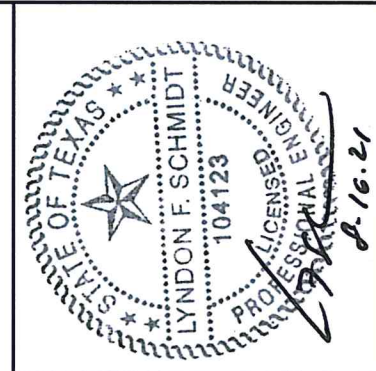
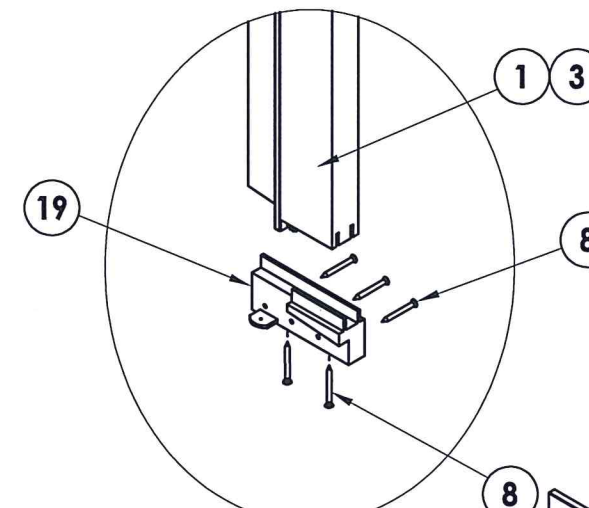
SILLKEY, LEFT  
SCALE: NONE



SILLKEY, RIGHT  
SCALE: NONE



4 3 1 SIDE & HEAD JAMBS



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PART OR ASSEMBLY:	COMPONENTS

NO.	DATE	BY	REVISIONS

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DWG. BY:	JK
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DRAWING NO.:	TX-5231
SHEET	10 OF 11

