

3'0 X 8'0
OPAQUE PREMIUM FIBERGLASS
SINGLE DOOR
IN SWING / OUT SWING
"IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

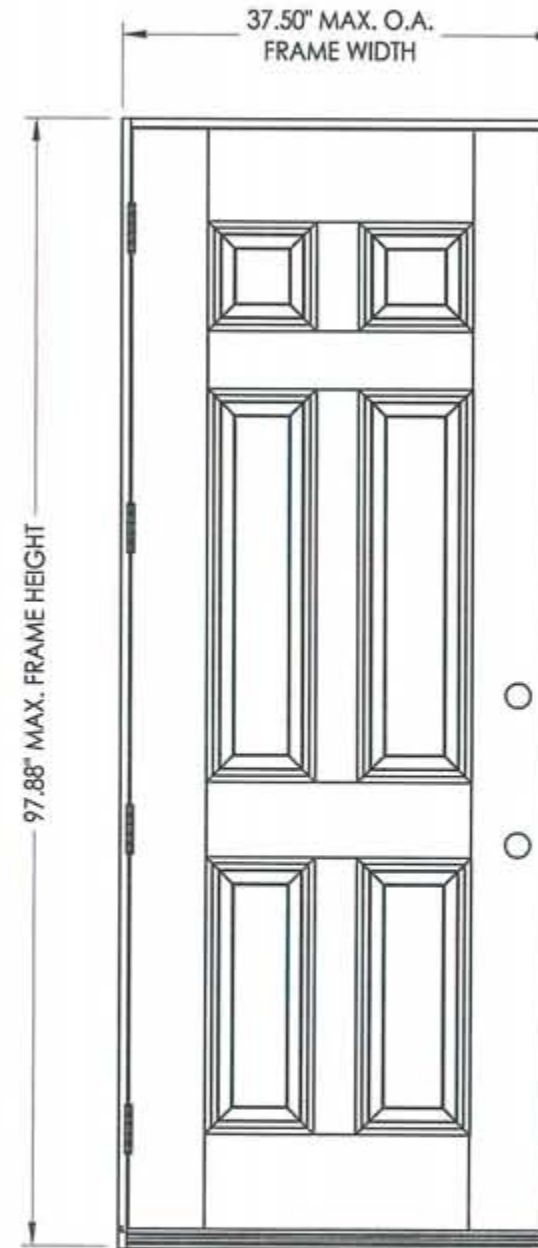
The Trinity Opaque Premium Fiberglass Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) subject to the following conditions:

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. When used in wind borne debris regions, the opaque door panel complies with Sections R301.2.1.2 of the IRC and 1609.1.2 of the IRC as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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.

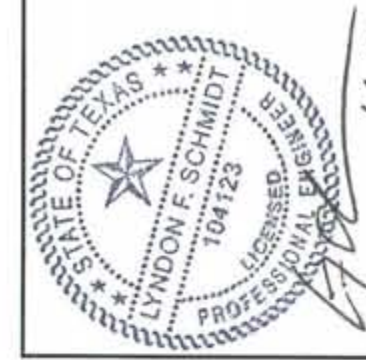
SUPPORTING DOCUMENTS & EVIDENCE

1. Testing per ASTM E330-02, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report numbers TEL 05-1026-1 and TEL 05-1026-1-C signed by Wendell W. Haney, P.E.
2. Testing per AAMA/WDMA/CSA101/1.S.2/A440-05, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories, Inc. and reported in test report numbers TEL 08-01370021 and TEL 08-01370021-IC signed by Wendell W. Haney, P.E.
3. Calculations (Anchoring) prepared by Lyndon F. Schmidt, P.E.
4. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Trinity Glass Int'l is manufacturing products within a Quality Assurance program.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel construction details
3	Horizontal cross sections
4	Vertical cross sections
5	Frame anchoring
6	Components
7	Bill of materials



SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
IN SWING	37.50" x 97.88"	G1	+60.0	-60.0
OUT SWING	37.50" x 96.75"		+60.0	-60.0

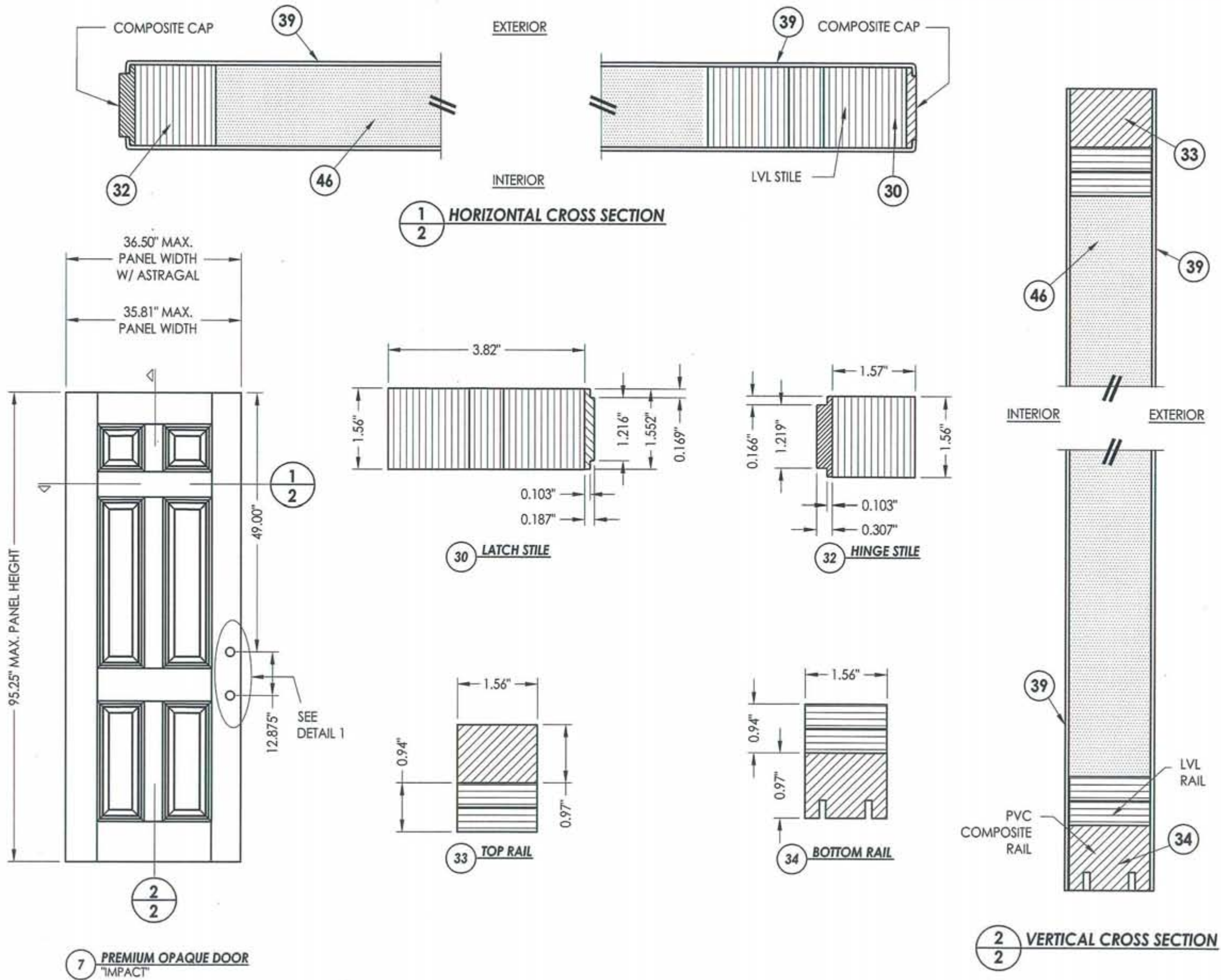


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Phone No.: 813.659.9197

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

PRODUCT: TRINITY GLASS INT'L 8'0 PREMIUM OPAQUE		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
AL	EW	BY	REVISIONS
2	7/27/09	TDI PRODUCT EVALUATION UPDATE	
1	6/28/06	REVISED LOCKSET NOMENCLATURE	
NO.	DATE		
DATE: 11/21/05			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: LFS			
DRAWING NO.: TX-715			
SHEET 1 OF 7			



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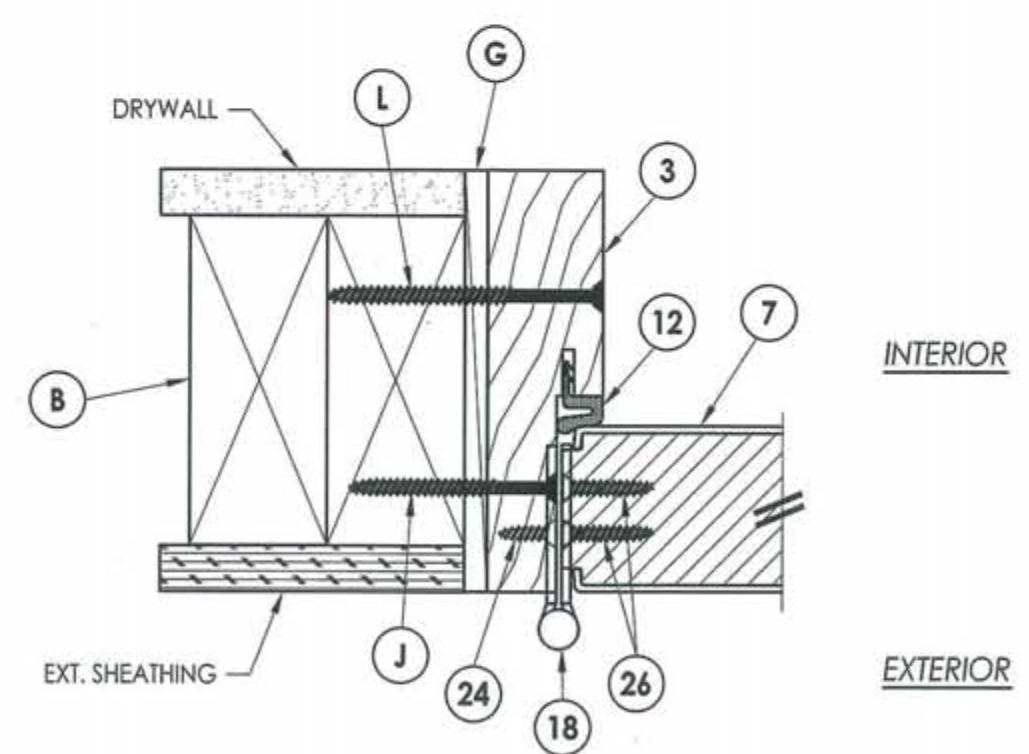
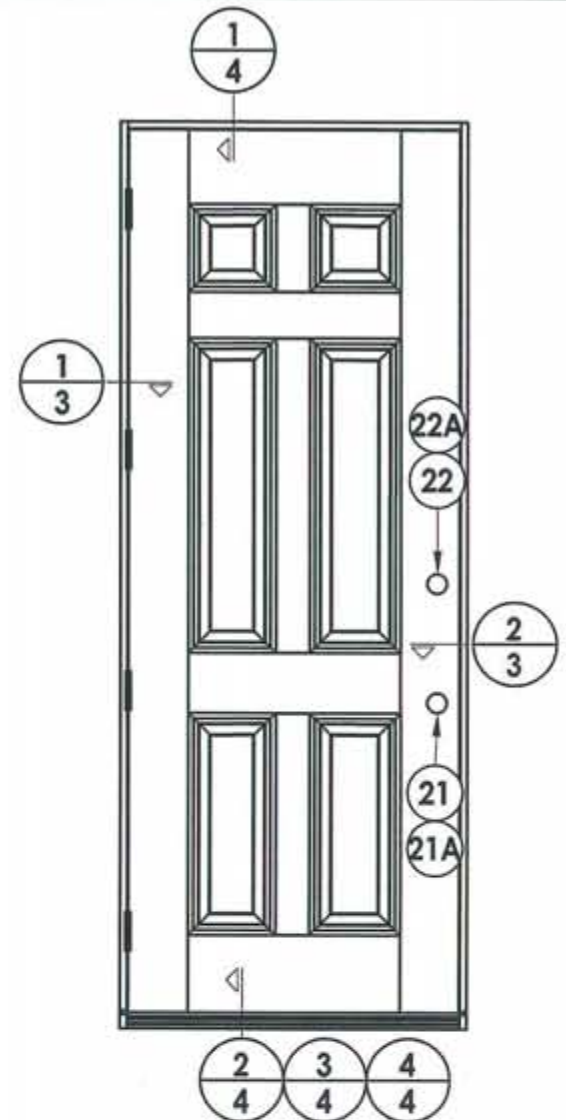
PRODUCT:	TRINITY GLASS INT'L 8'0 PREMIUM OPAQUE	
PART OR ASSEMBLY:	DOOR PANEL CONSTRUCTION DETAILS	
DATE:	11/21/05	
SCALE:	N.T.S.	
DWG. BY:	AEM	
CHK. BY:	LFS	
DRAWING NO.:	TX-715	
SHEET	2 of 7	
NO.	DATE	BY
2	7/27/09	TDI PRODUCT EVALUATION UPDATE
1	6/28/06	REVISED LOCKSET NOMENCLATURE
REVISIONS		



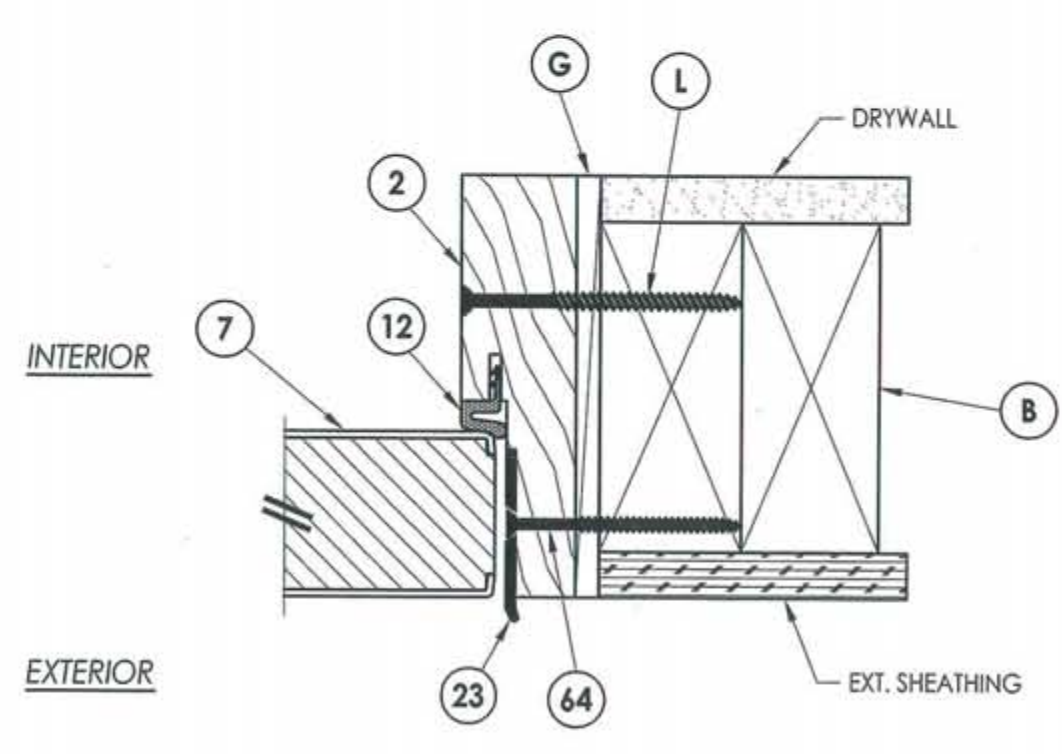
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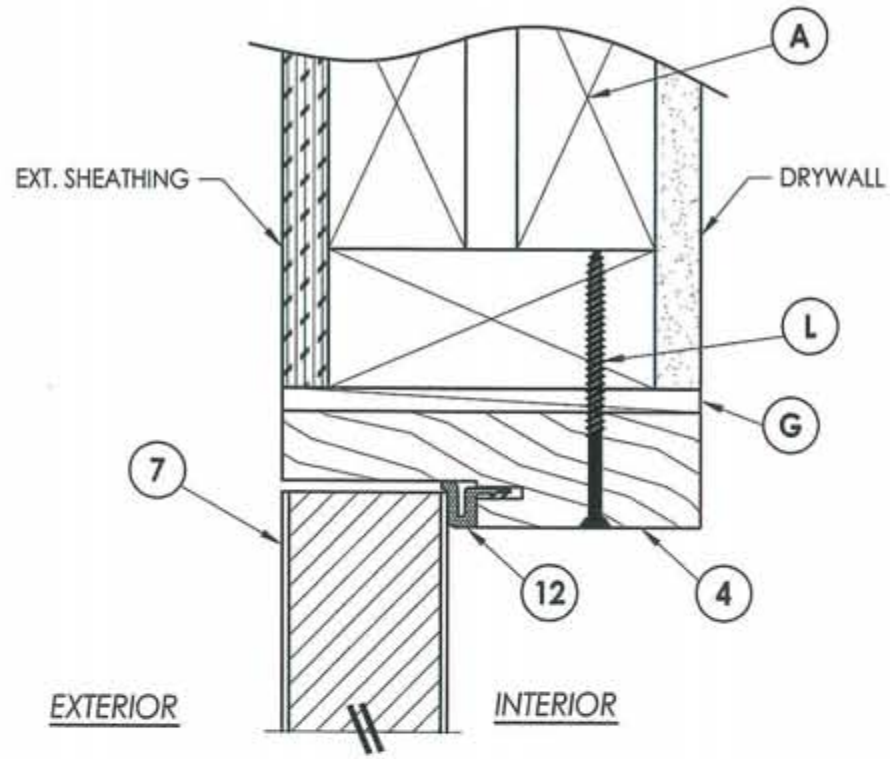
1 HORIZONTAL CROSS SECTION
3 Outswing shown
Inswing also approved



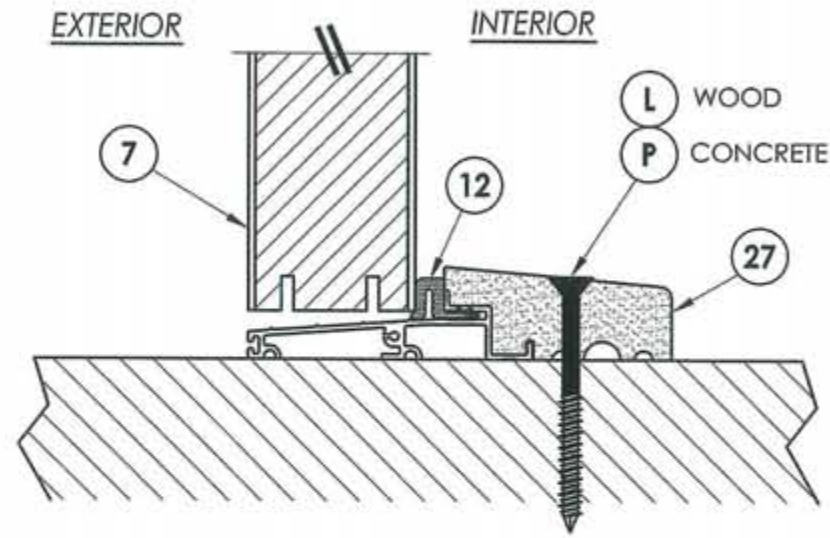
2 HORIZONTAL CROSS SECTION
3 Outswing shown
Inswing also approved

PRODUCT:		TRINITY GLASS INT'L 8'0 PREMIUM OPAQUE	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	7/27/09	AL	TDI PRODUCT EVALUATION UPDATE
1	6/28/06	EW	REVISED LOCKSET NOMENCLATURE

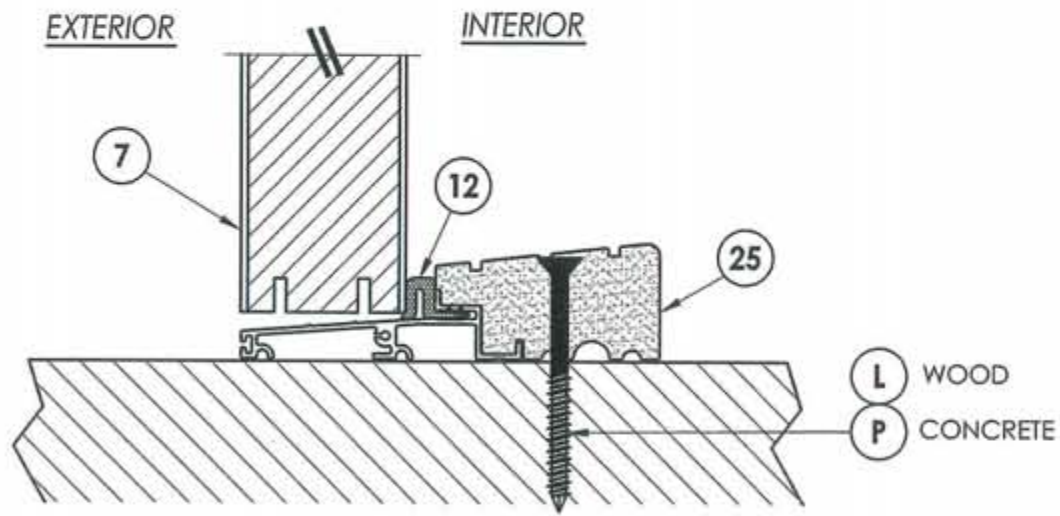
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SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: LFS
DRAWING NO.: TX-715
SHEET 3 of 7



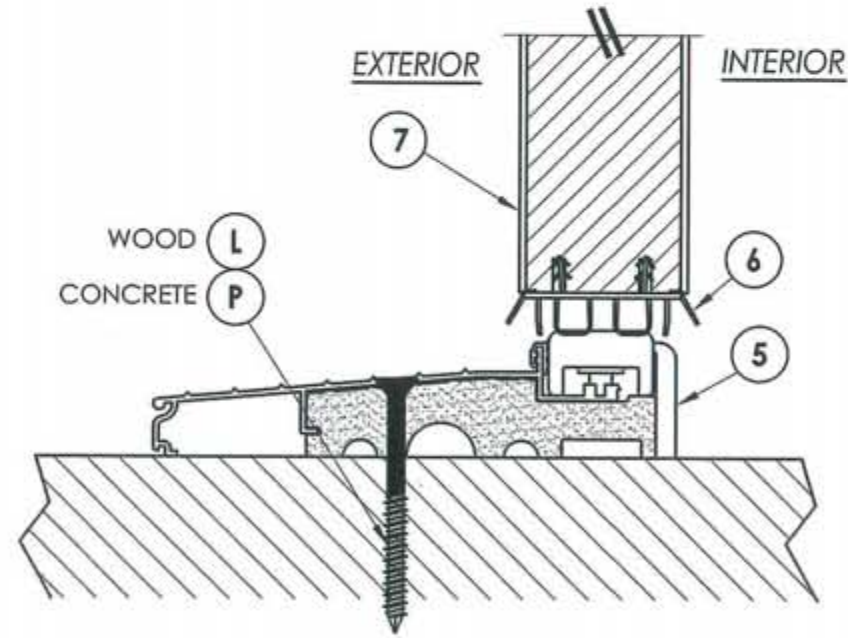
1 VERTICAL CROSS SECTION
4 Outswing shown
 Inswing also approved



2 VERTICAL CROSS SECTION
4 Outswing configuration



3 VERTICAL CROSS SECTION
4 Outswing configuration



4 VERTICAL CROSS SECTION
4 Inswing configuration



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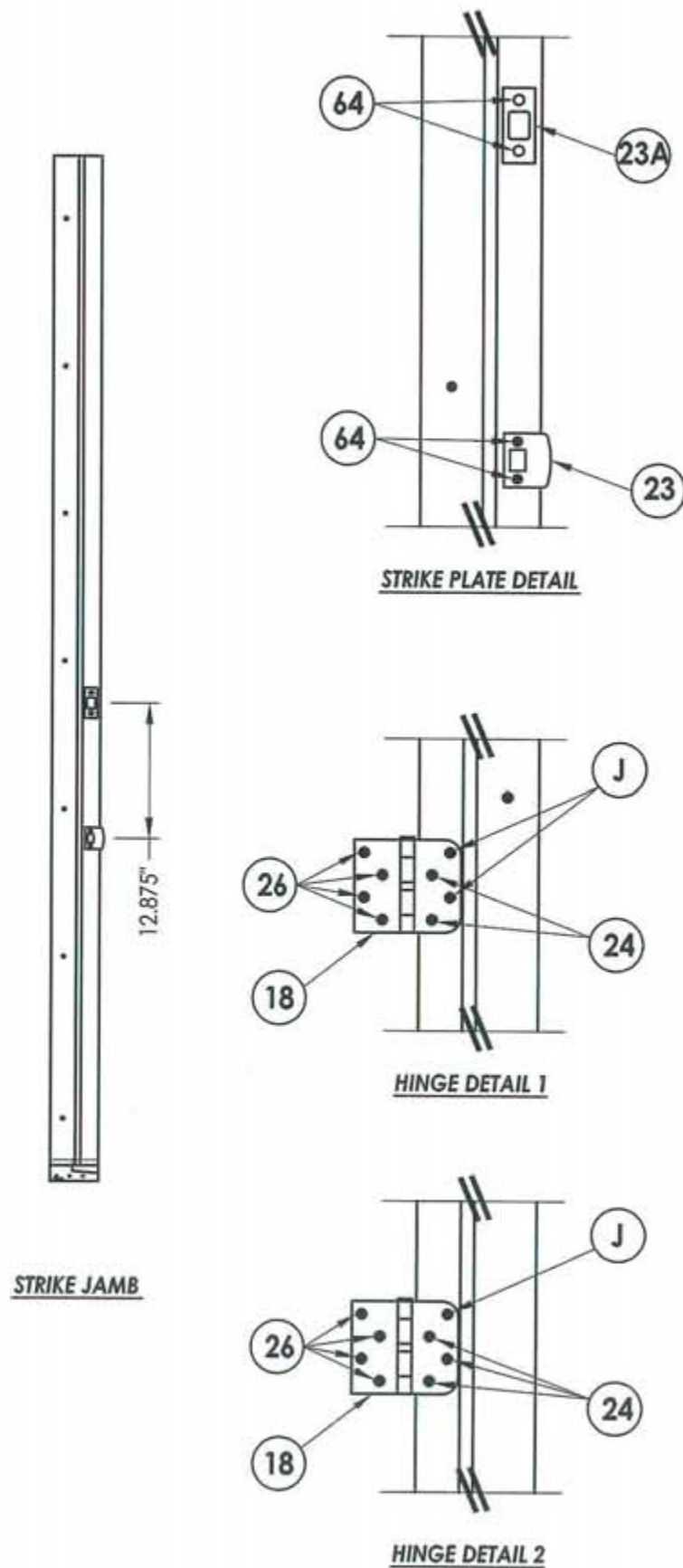
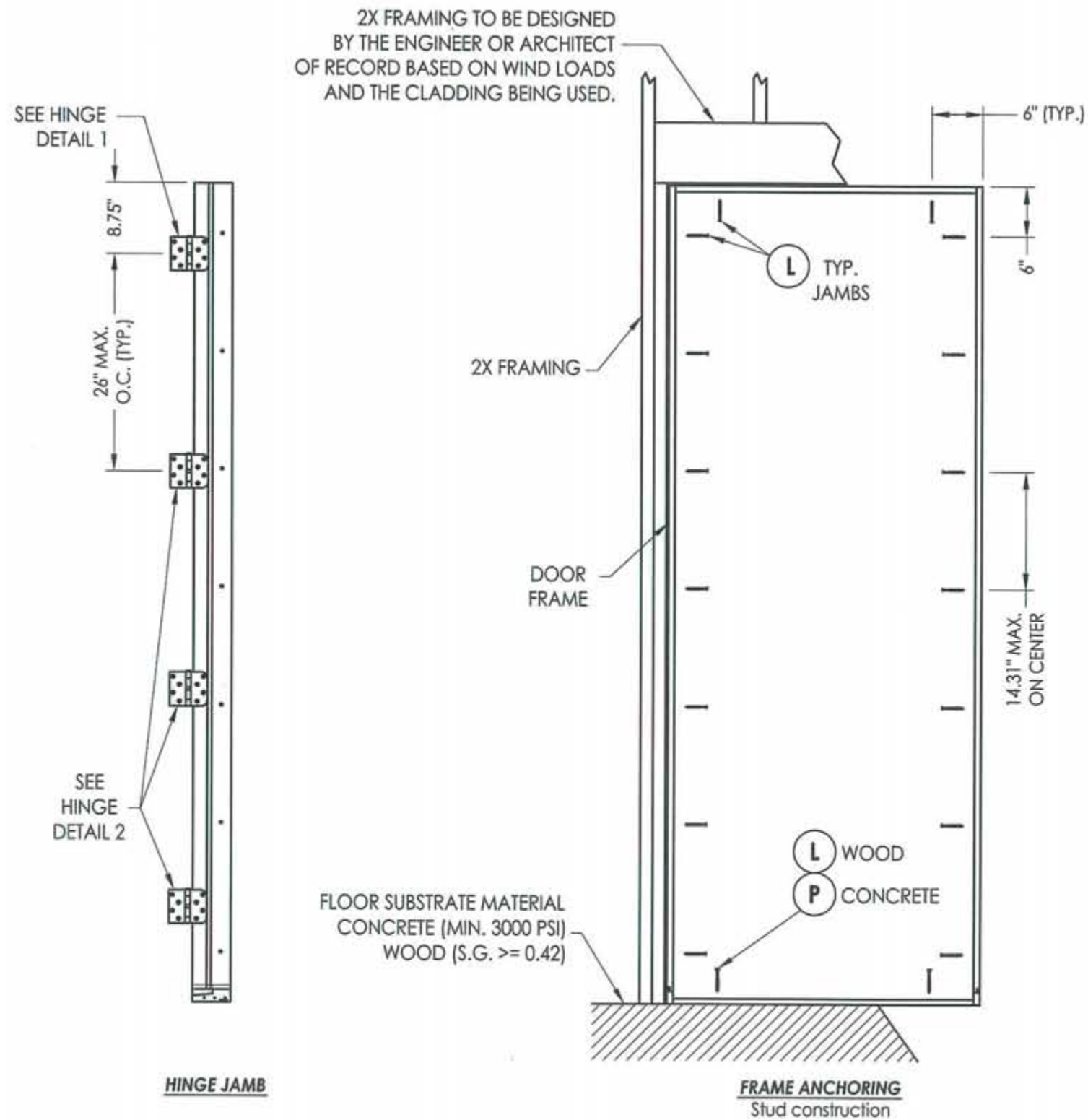
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PRODUCT:	TRINITY GLASS INT'L 8'0 PREMIUM OPAQUE
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	7/27/09	AL	TDI PRODUCT EVALUATION UPDATE
1	6/28/06	EW	REVISED LOCKSET NOMENCLATURE

DATE:	11/21/05
SCALE:	N.T.S.
DWG. BY:	AEM
CHK. BY:	LFS
DRAWING NO.:	TX-715
SHEET	4 OF 7



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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TRINITY GLASS INT'L
8'0" PREMIUM OPAQUE

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
2	7/27/09	TDI PRODUCT EVALUATION UPDATE
1	6/28/06	REVISED LOCKSET NOMENCLATURE
		AL
		EW
		BY

DATE: 11/21/05

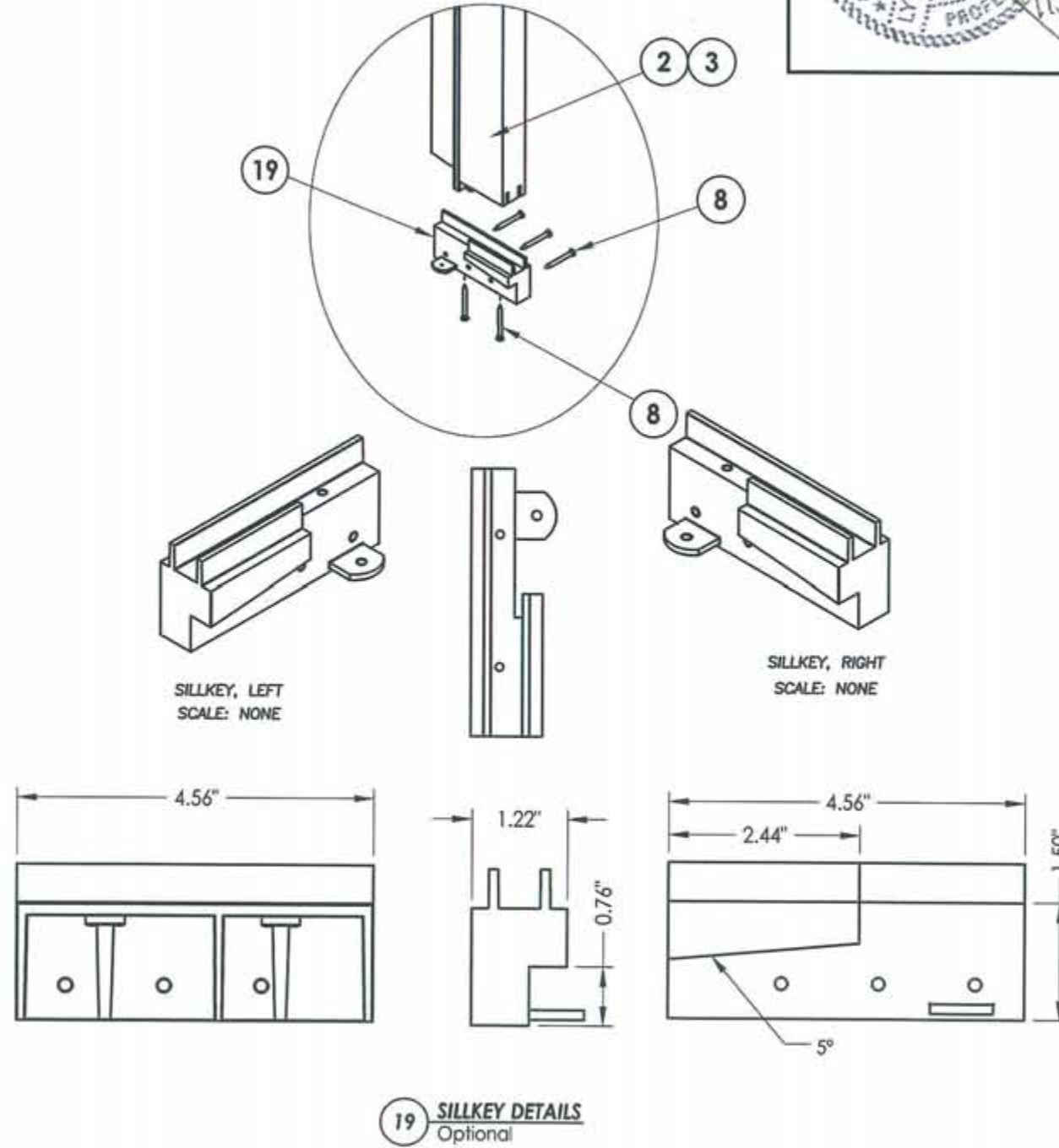
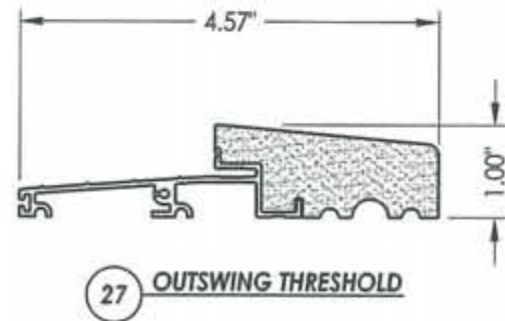
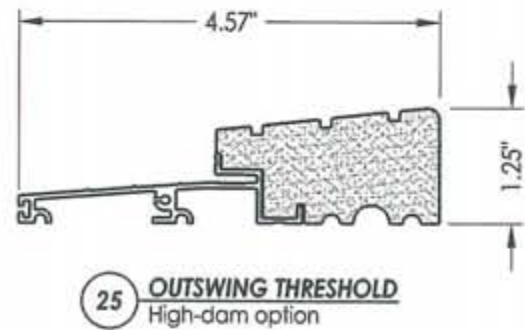
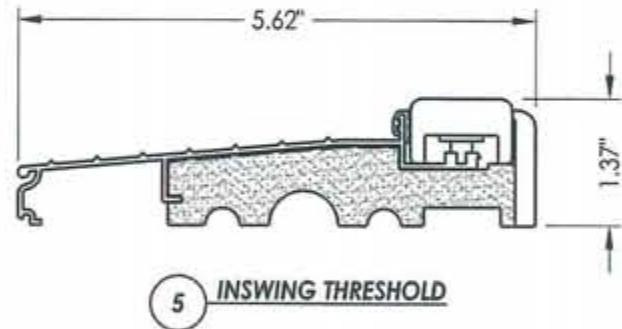
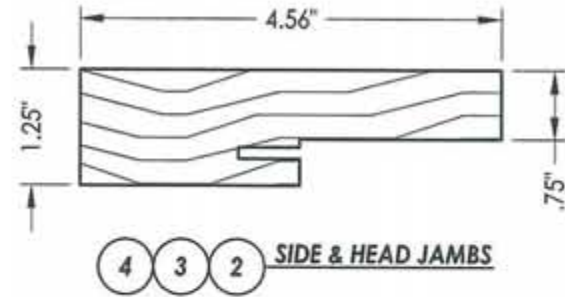
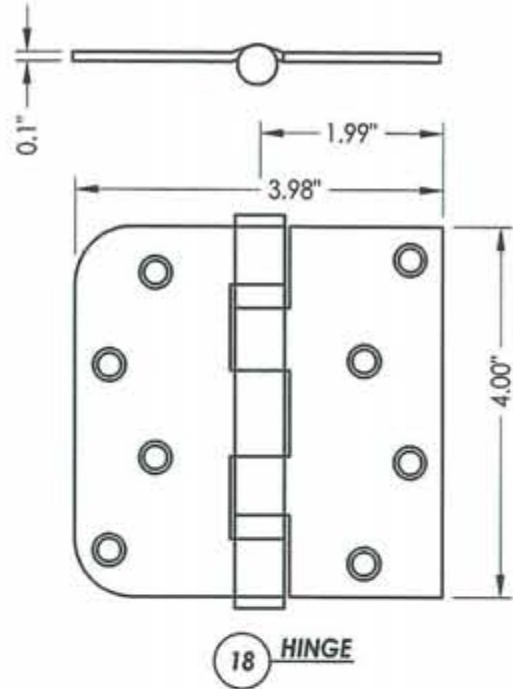
SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

DRAWING NO.: TX-715

SHEET 5 OF 7



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PRODUCT: TRINITY GLASS INT'L
80 PREMIUM OPAQUE

PART OR ASSEMBLY: COMPONENTS

NO.	DATE	BY	REVISIONS
2	7/27/09	AL	TDI PRODUCT EVALUATION UPDATE
1	6/28/06	EW	REVISED LOCKSET NOMENCLATURE

DATE: 11/21/05
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: LFS
DRAWING NO.: TX-715
SHEET 6 OF 7



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

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	2X HEADER FRAMING SG >= 0.42	WOOD
B	2X FRAMING SG >= 0.42	WOOD
G	MAX. 1/4" SHIM SPACE	WOOD
J	#9 X 2-1/4" PFH WS	STEEL
L	#8 X 3" PFH WS	STEEL
P	3/16" X 2-3/4" ELCO OR ITW PFH CONCRETE SCREW	STEEL
2	STRIKE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
3	HINGE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
4	HEAD - FINGER-JOINT PINE - SG >= 0.42	WOOD
5	INSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUMINUM
6	DOOR BOTTOM SWEEP	PVC
7	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
8	#6 X 1-1/4 PFH DRYWALL SCREW	STEEL
12	WEATHER STRIP QEBD650 Q-LON	-
18	3.983" X 4.0" HINGE MIN 0.098" THICK	STEEL
19	SILLKEY	PC/ASA
21	KWIKSET LOCK -SERIES 200 PASSAGE	STEEL
21A	SCHLAGE "MAXIMUM SECURITY" SERIES PASSAGE LOCK	STEEL
22	KWIKSET DEADBOLT -SERIES 600	STEEL
22A	SCHLAGE "MAXIMUM SECURITY" SERIES DEADBOLT	STEEL
23	STRIKE PLATE	STEEL
23A	DEADBOLT PLATE	STEEL
24	#9 X 5/8" PFH WS	STEEL
25	OUTSWING HIGH-DAM THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
26	#9 X 1.0" PFH WS	STEEL
27	OUTSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
30	LATCH STILE - SG >= 0.42	LVL/PVC
32	HINGE STILE - SG >= 0.42	LVL/PVC
33	TOP RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC
34	BOTTOM RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC
39	FIBERGLASS SKIN 0.079" MIN. THICKNESS (Fy = 5,203 PSI MIN.)	FIBERGLASS
46	DOOR PANEL CORE FOAMED	POLYURETHANE
64	#8 X 2" PFH SCREW	STEEL

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	3/16"	1-3/4"	2-5/8"	2-1/4"
ELCO	3/16"	1-3/4"	1"	3"

PRODUCT: TRINITY GLASS INT'L
8'0 PREMIUM OPAQUE

PART OR ASSEMBLY:
BILL OF MATERIALS

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SHEET 7 OF 7