

3'0 X 8'0 GLAZED PREMIUM FIBERGLASS SINGLE DOOR INSWING / OUTSWING "NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Trinity Glazed 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:

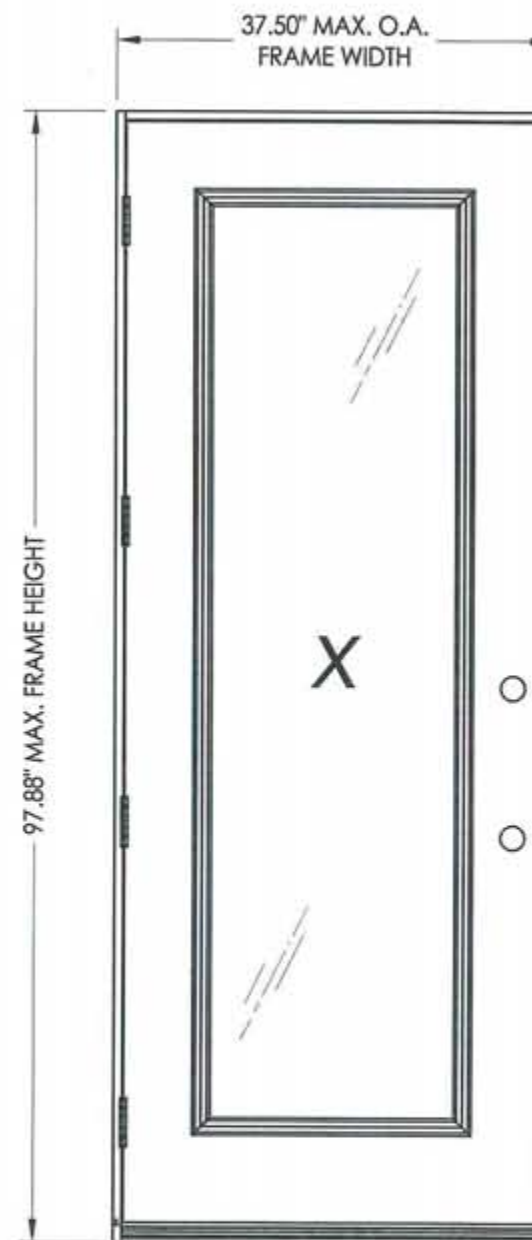
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
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 as performed by Testing Evaluation Laboratories Inc. and reported in test report numbers TEL 08-01370046, signed by Wendell W. Haney, P.E.
2. Calculations (Anchoring and Glass load resistance report ASTM E1300-04) prepared by Lyndon F. Schmidt, P.E.
3. 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.

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2	Door panel construction details & glazing details
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SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	37.50" x 97.88"	G1	+50.0	-55.0
OUTSWING	37.50" x 96.75"		+50.0	-50.0

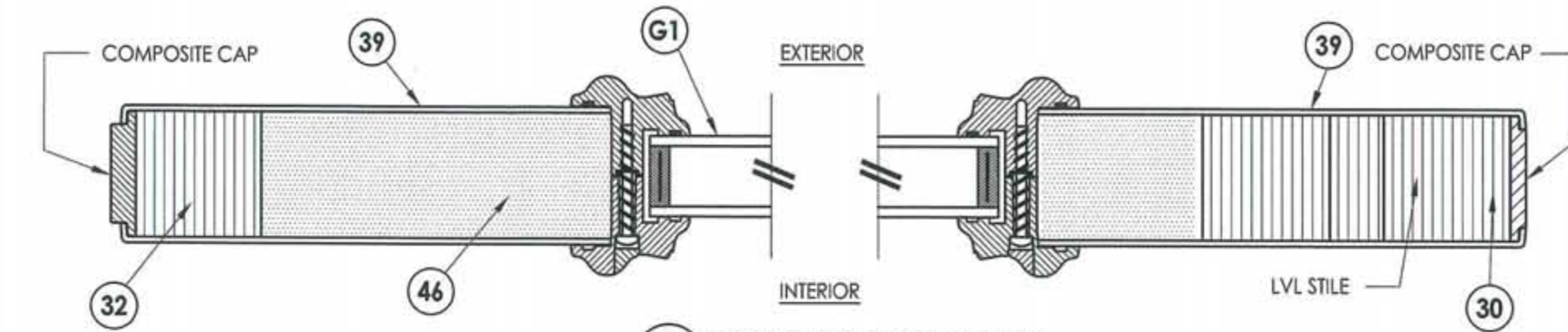
Refer to Table (sheet 3) for Passage Lock Rating Limitations



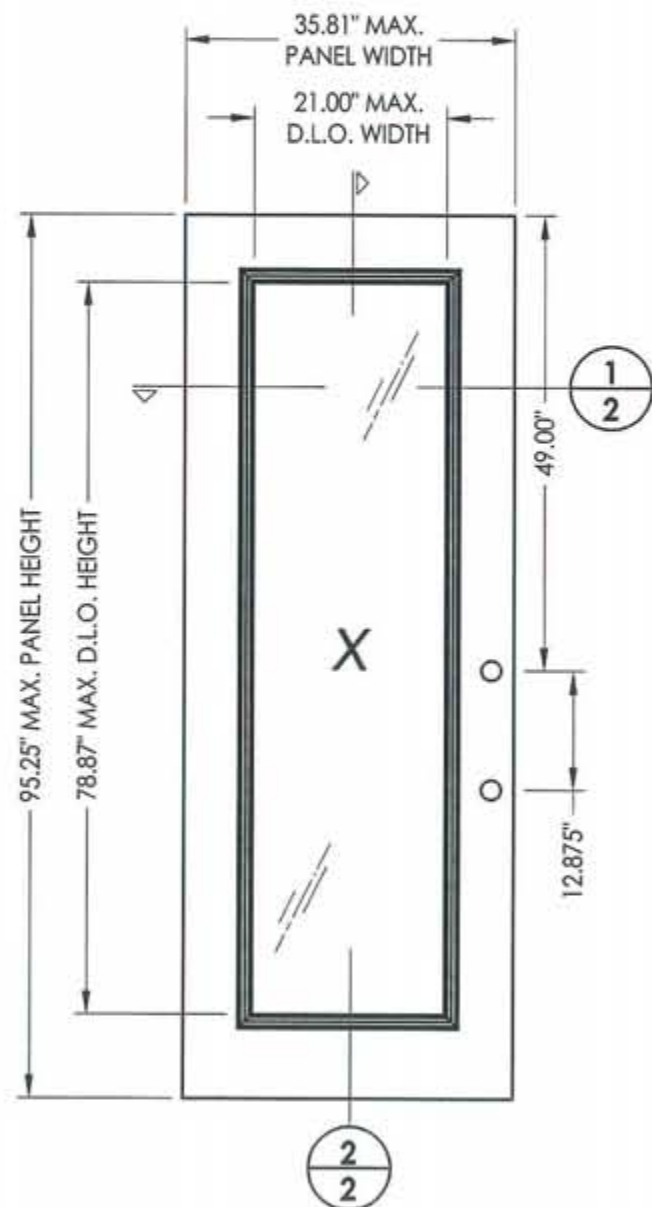
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123
1-6-10
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

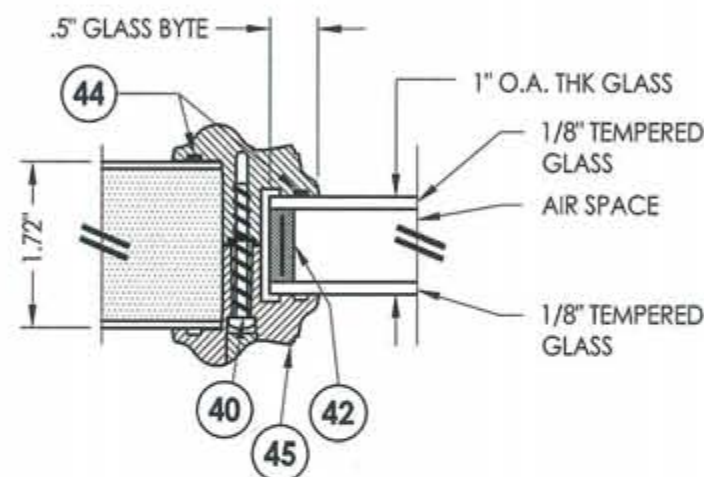
NO.	DATE	REVISIONS	
		BY	DATE
3	7/27/09	TDI	PRODUCT EVALUATION UPDATE
2	6/28/06	REVISD	LOCKSET NOMENCLATURE
1	12/2/05	REVISD	ANCHOR LOCATIONS
DATE: 11/21/05			
SCALE: N.T.S.			
DWG. BY: EW			
CHK. BY: LFS			
DRAWING NO.: TX-718			
SHEET 1 OF 7			



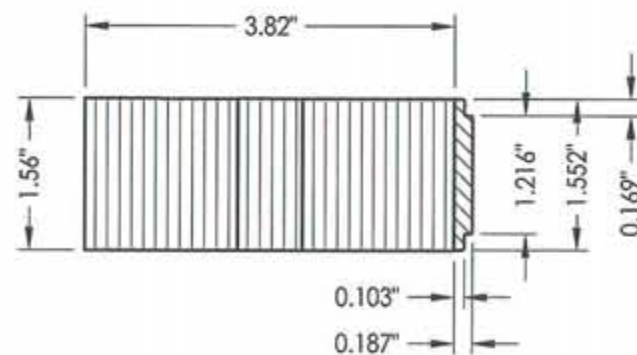
1
2 HORIZONTAL CROSS SECTION



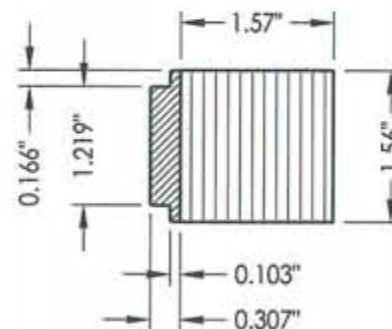
7 PREMIUM LIPLITE FIBERGLASS DOOR



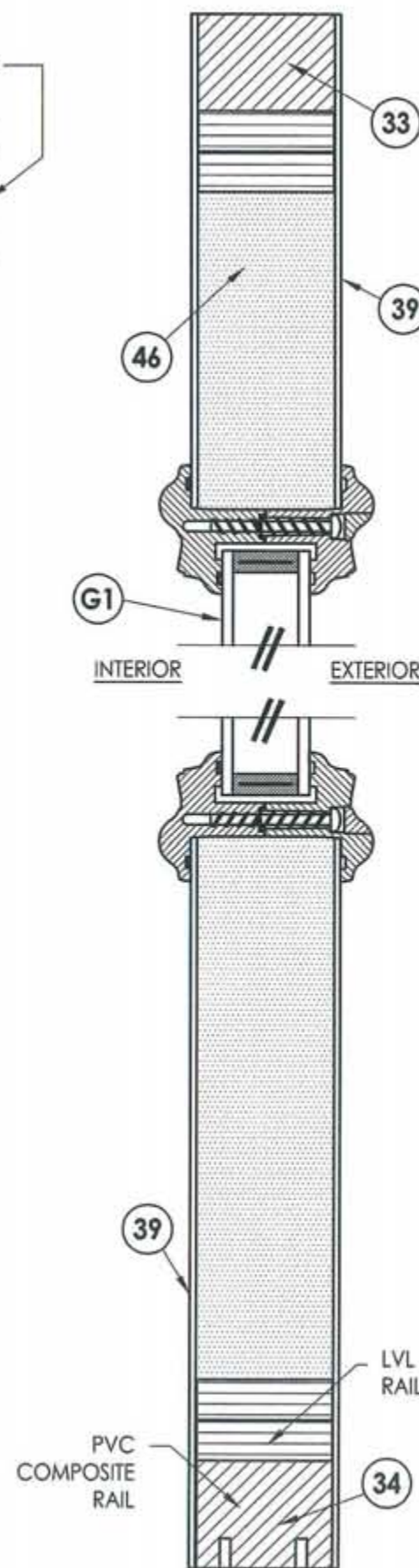
G1 GLAZING DETAIL



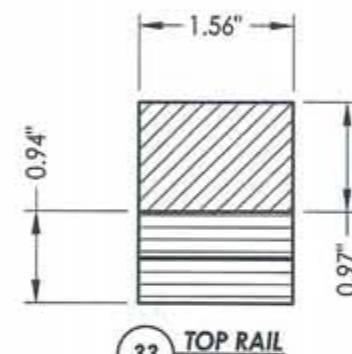
30 LATCH STILE



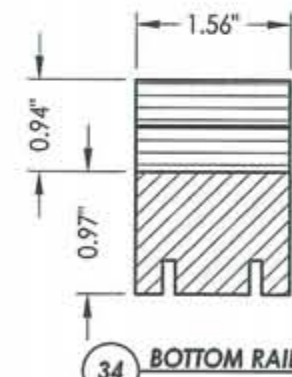
32 HINGE STILE



2
2 VERTICAL CROSS SECTION



33 TOP RAIL



34 BOTTOM RAIL



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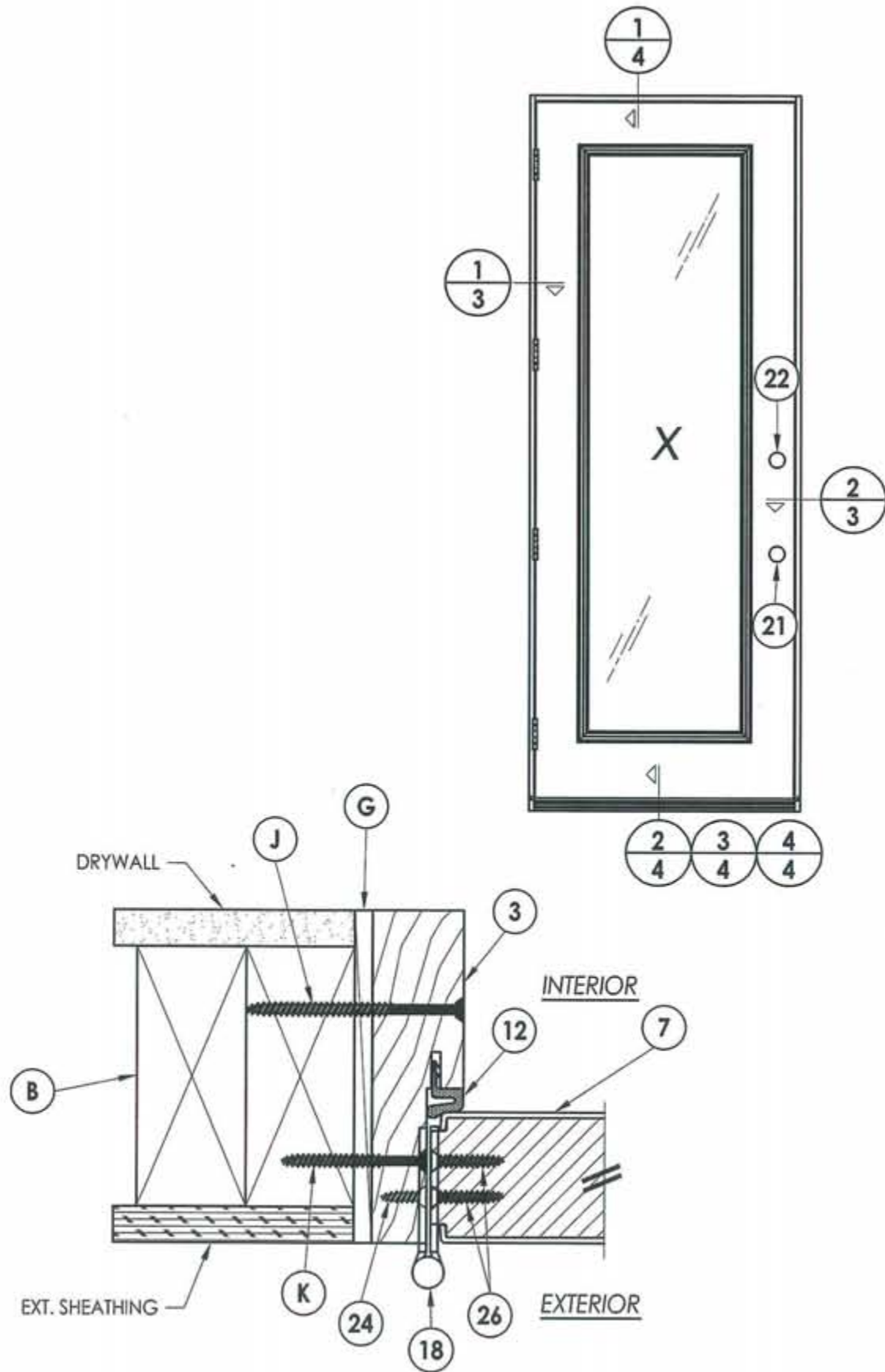
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

NO.	DATE	REVISIONS
3	7/27/09	TDI PRODUCT EVALUATION UPDATE
2	6/28/06	REVISED LOCKSET NOMENCLATURE
1	12/2/05	REVISED ANCHOR LOCATIONS

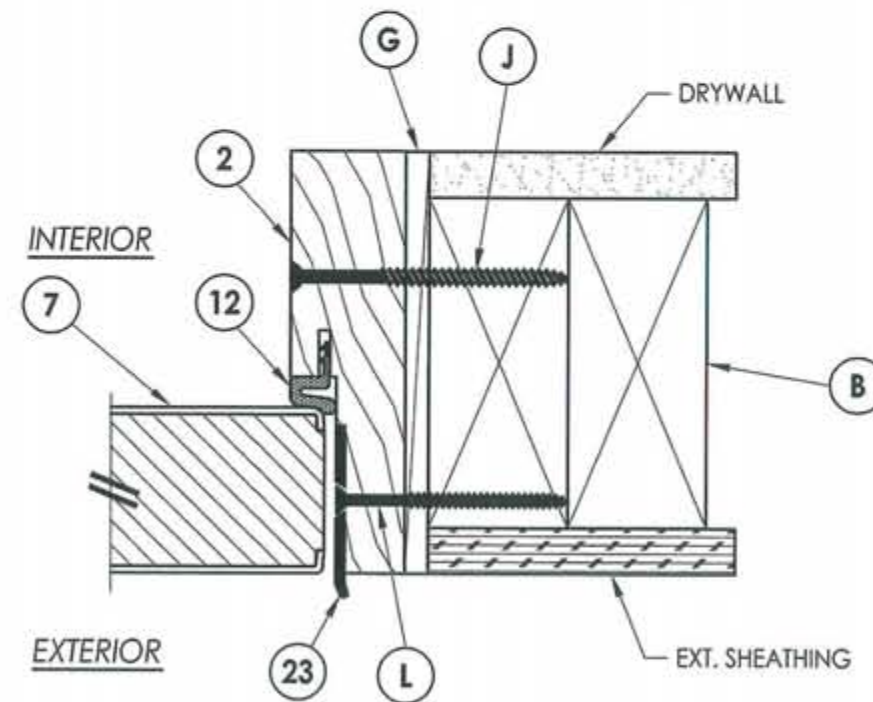
DATE: 11/21/05
SCALE: N.T.S.
DWG. BY: EW
CHK. BY: LFS
DRAWING NO.: TX-718
SHEET 2 OF 7

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

LOCK & DEADBOLT RATINGS CHART				
MANUFACTURER	MODEL	ITEM #	MAX. DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
KWIKSET	LOCK: 740	21	+50.0	-55.0
	DEADBOLT: 780	22		
KWIKSET	LOCK: COMBO 660	21	+50.0	-55.0
	DEADBOLT: COMBO 660	22		
SCHLAGE	LOCK: MAX. SECURITY	21	+50.0	-55.0
	DEADBOLT: MAX. SECURITY	22		



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



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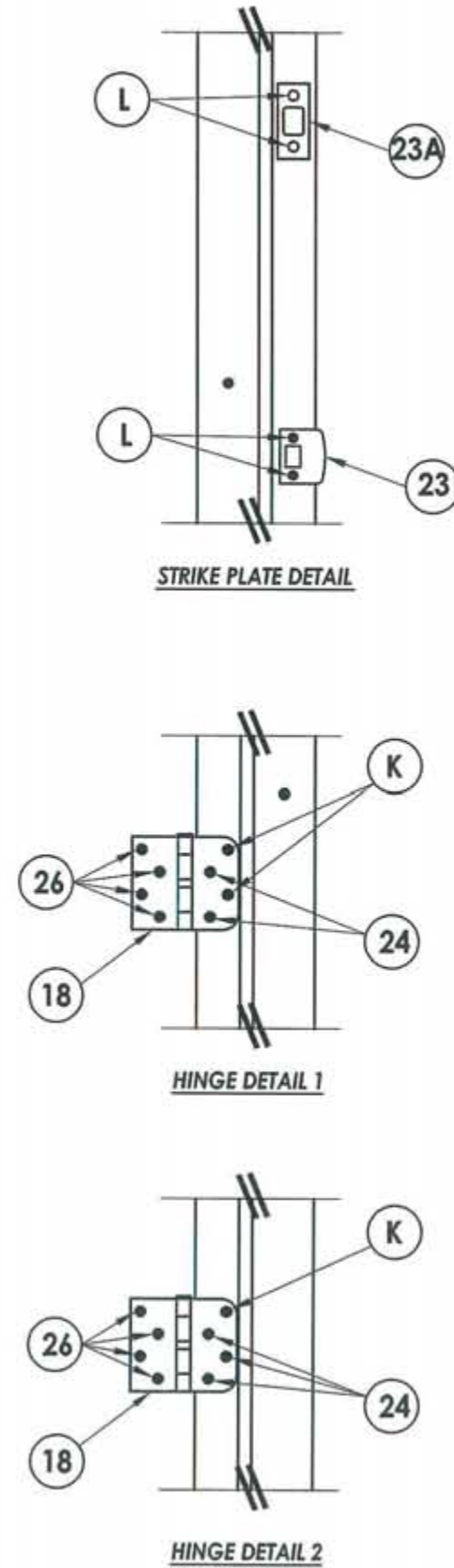
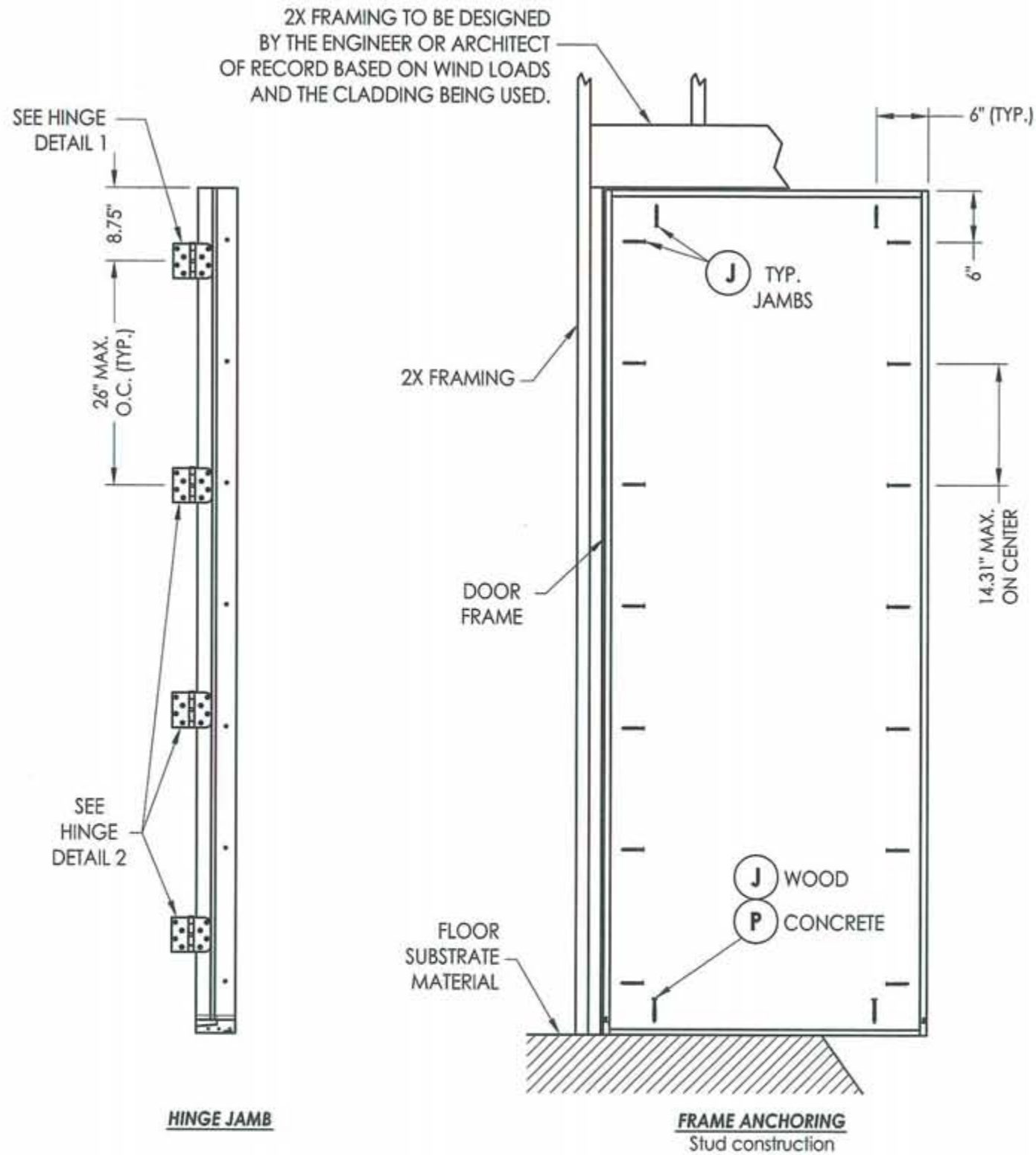
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CERTIFICATE OF REGISTRATION # F-11852

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

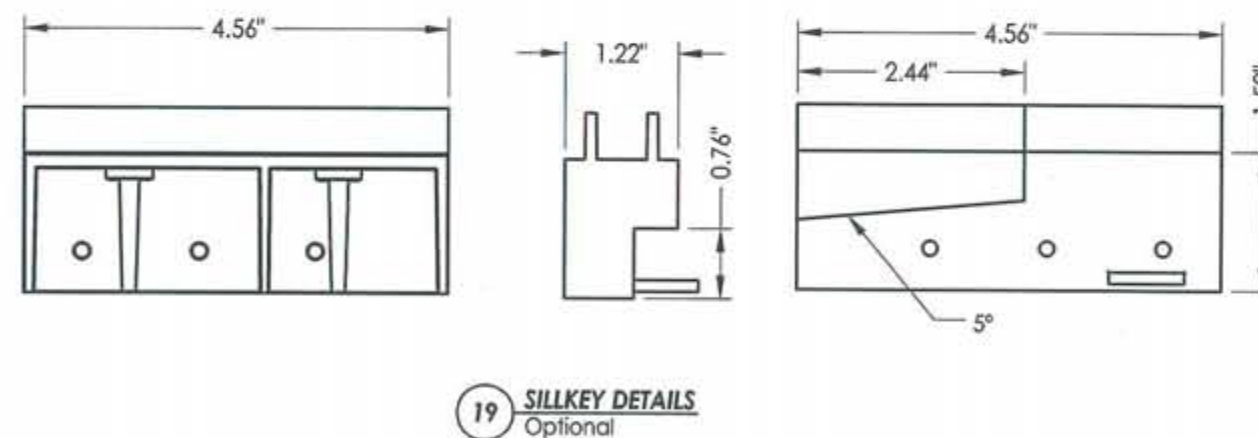
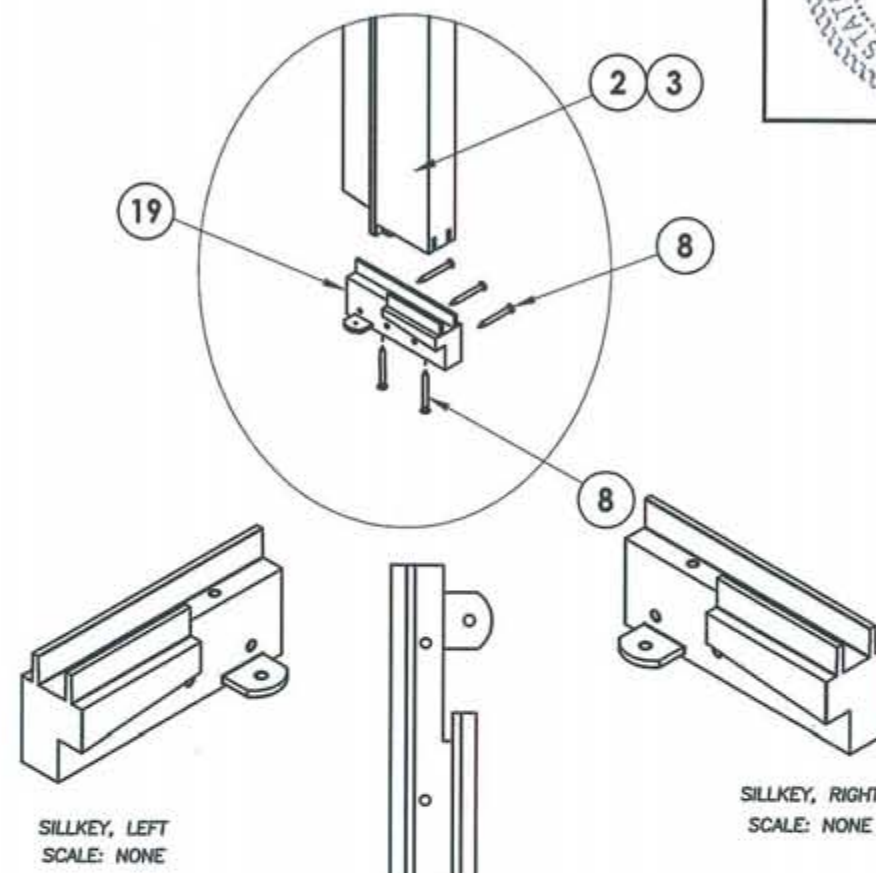
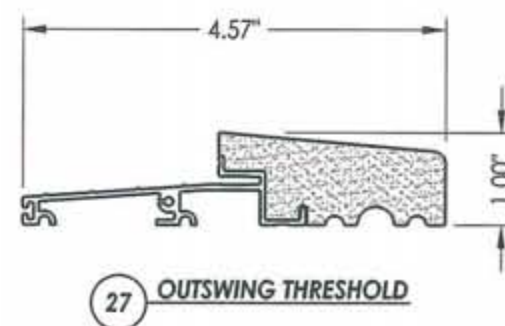
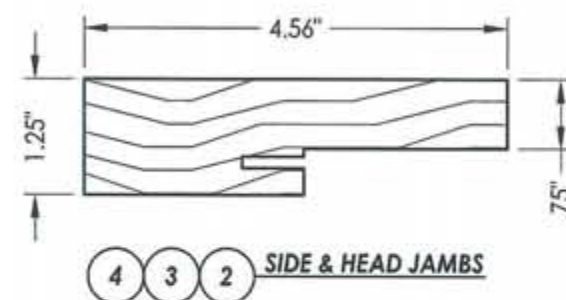
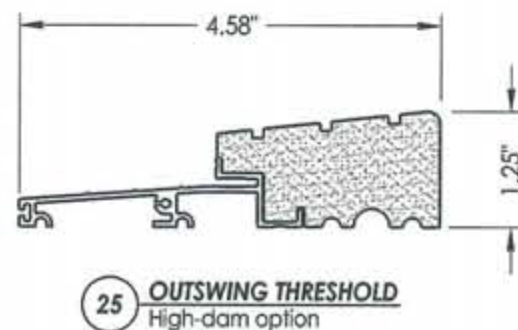
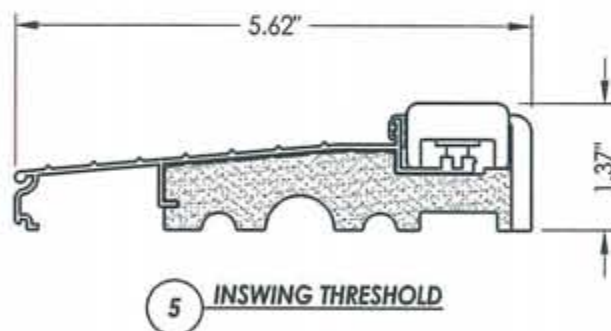
REVISONS		NO.		DATE	
3	7/27/09	TDI	PRODUCT EVALUATION UPDATE	AL	
2	6/28/06	REVISED	LOCKSET NOMENCLATURE	EW	
1	12/2/05	REVISED	ANCHOR LOCATIONS	AEM	

DATE: 11/21/05
SCALE: N.T.S.
DWG. BY: EW
CHK. BY: LFS
DRAWING NO.: TX-718
SHEET 3 OF 7

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PRODUCT: TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS		PART OR ASSEMBLY: FRAME ANCHORING			
		AL	EW	AEM	BY
		TDI PRODUCT EVALUATION UPDATE	REVISED LOCKSET NOMENCLATURE	REVISED ANCHOR LOCATIONS	
3	7/27/09				
2	6/28/06				
1	12/2/05				
	NO. DATE				
REVISIONS					
DATE: 11/21/05					
SCALE: N.T.S.					
DWG. BY: EW					
CHK. BY: LFS					
DRAWING NO.: TX-718					
SHEET 5 OF 7					



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

DATE: 11/21/05		PRODUCT:		TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS	
SCALE: N.T.S.		PART OR ASSEMBLY:		COMPONENTS	
DWG. BY: EW		NO. 1		TDI PRODUCT EVALUATION UPDATE	
CHK. BY: LFS		NO. 2		REVISED LOCKSET NOMENCLATURE	
DRAWING NO.: TX-718		NO. 3		7/27/09	
SHEET 6 OF 7		NO. 4		6/28/06	
		NO. 5		12/2/05	
		NO. 6		DATE	
		NO. 7		REVISED ANCHOR LOCATIONS	
		NO. 8		BY	
		NO. 9		REVISIONS	

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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	#10 X 3" PFH WS	STEEL
K	#9 X 2" PFH WS	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
P	1/4" 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" HINGE MIN 0.098" THICK	STEEL
19	SILLKEY	PC/ASA
21	LOCK (SEE LOCK & DEADBOLT RATINGS CHART)	STEEL
22	DEADBOLT (SEE LOCK & DEADBOLT RATINGS CHART)	STEEL
23	STRIKE PLATE	STEEL
23A	DEADBOLT PLATE	STEEL
24	#9 X 5/8" PFH SCREW	STEEL
25	OUTSWING HIGH-DAM THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
26	#9 X 1" PFH SCREW	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
40	#8 X 1-1/8" SELF THREADING SCREW	STEEL
42	ALUMINUM & BUTYL SPACER SYSTEM	ALUM./BUTYL
44	HOT MELT SEALANT / SILICONE	-
45	LITE FRAME	PC/ASA
46	INSULATING FOAM CORE	POLYURETHANE

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"



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

PRODUCT: TRINITY GLASS INT'L
PREMIUM LIPLITE FIBERGLASS
PART OR ASSEMBLY:
BILL OF MATERIALS

REVISIONS			
NO.	DATE	DESCRIPTION	BY
3	7/27/09	TDI PRODUCT EVALUATION UPDATE	AL
2	6/28/06	REVISED LOCKSET NOMENCLATURE	EW
1	12/2/05	REVISED ANCHOR LOCATIONS	AEM

DATE: 11/21/05
SCALE: N.T.S.
DWG. BY: EW
CHK. BY: LFS
DRAWING NO.: TX-718
SHEET 7 OF 7