



By **R3Composites**  
 14123 Roth Road  
 Grabill, IN 46741

## Nicolette Opaque Fiberglass Door INSWING / OUTSWING "NON-IMPACT"

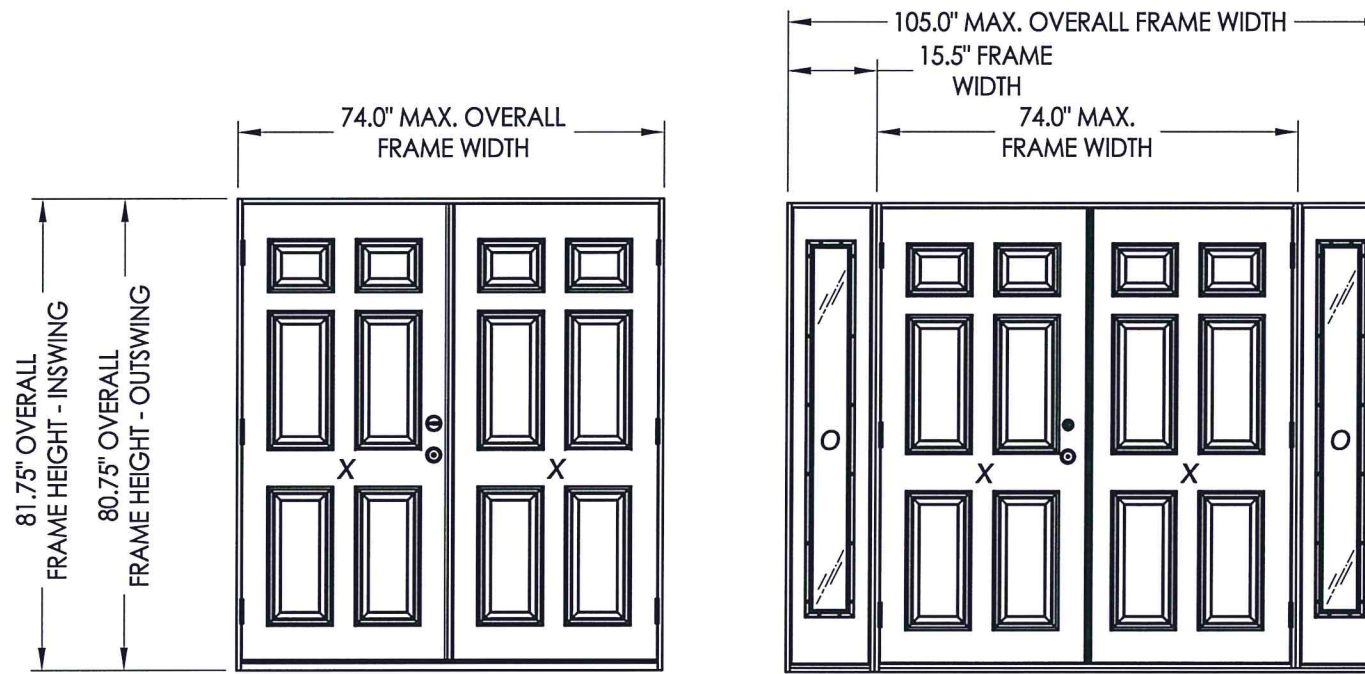
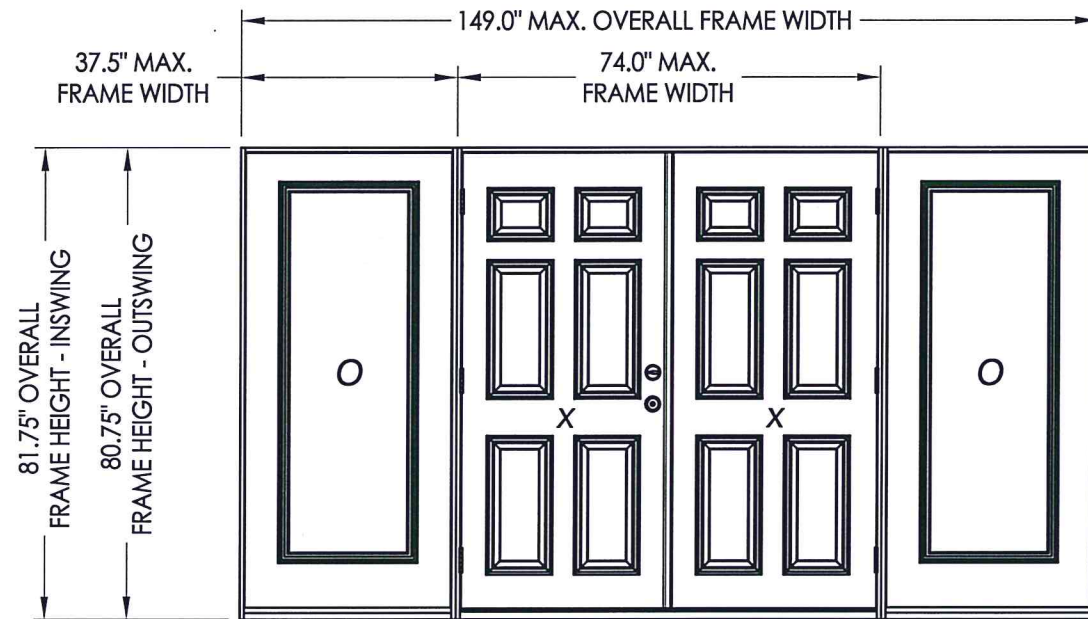
**EVALUATED FOR USE IN THE STATE OF TEXAS**

The 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:

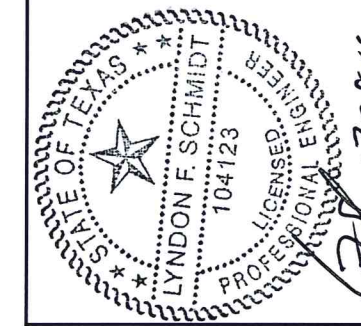
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 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.

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6	Horizontal cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Frame anchoring
10	Bill of materials and components



CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.75"	N/A	+50.0	-55.0	+60.0	-65.0
OXXO	105.0" x 81.75"	7.06" X 63.06"	+50.0	-55.0	N/A	N/A
OXXO	149.0" x 81.75"	20.88" X 62.88"	+40.0	-50.0	N/A	N/A



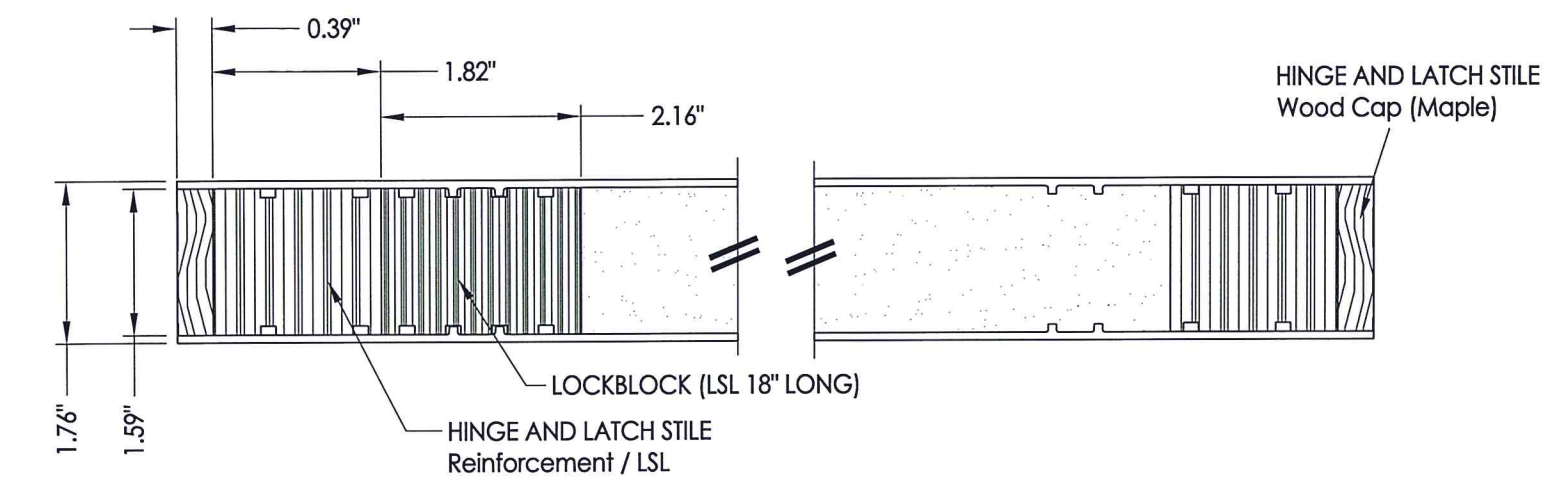
Documents Prepared By: Lyndon F. Schmidt, P.E.  
 TEXAS P.E. #104123  
**RW** BUILDING CONSULTANTS, INC.  
 P.O. Box 230 Valrico FL 33595  
 Phone No.: 813.659.9197  
 TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: R3 COMPOSITES  
 PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

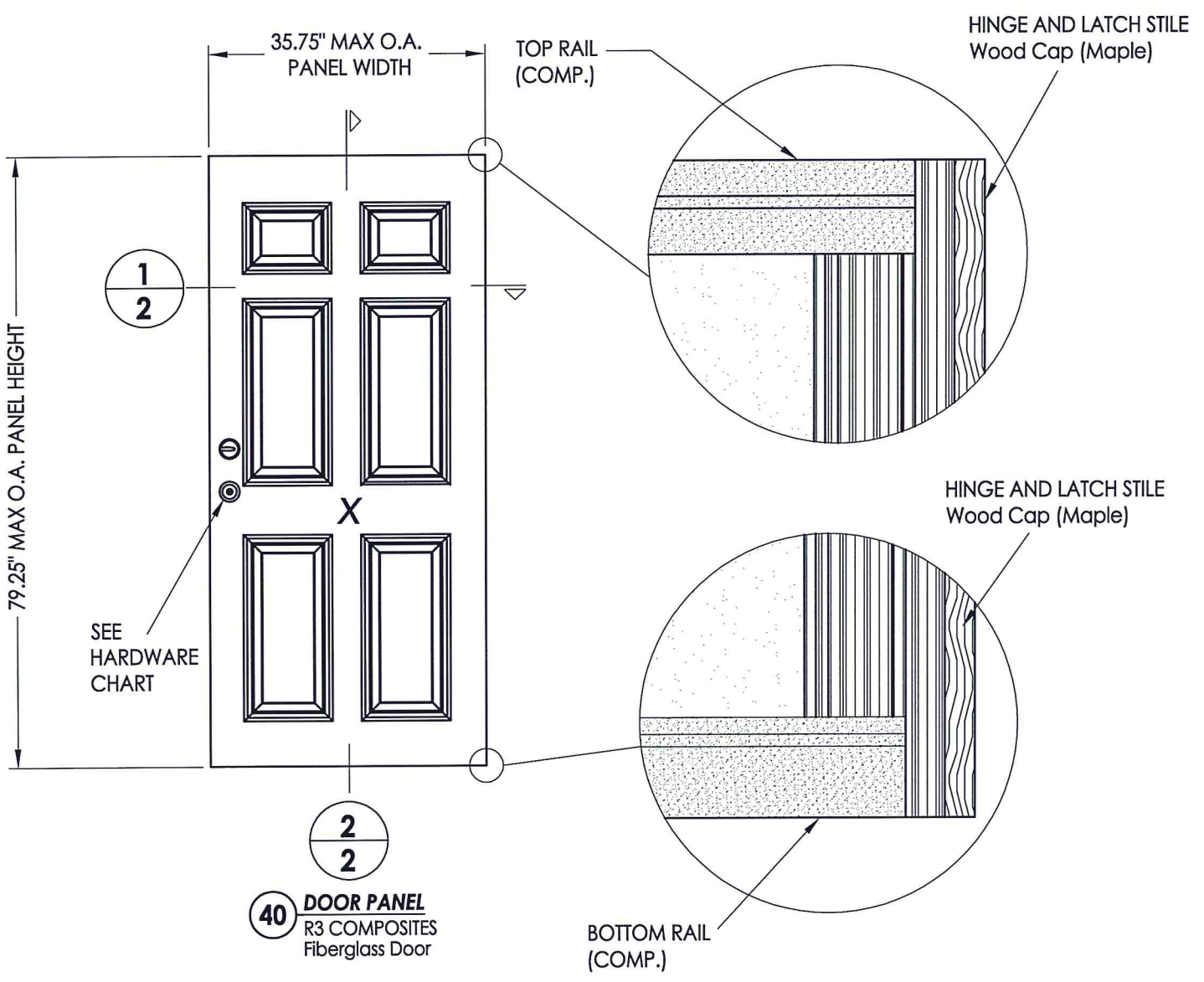
NO.	DATE	BY	REVISIONS

DATE: 7/20/15  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4552  
 SHEET 1 OF 10



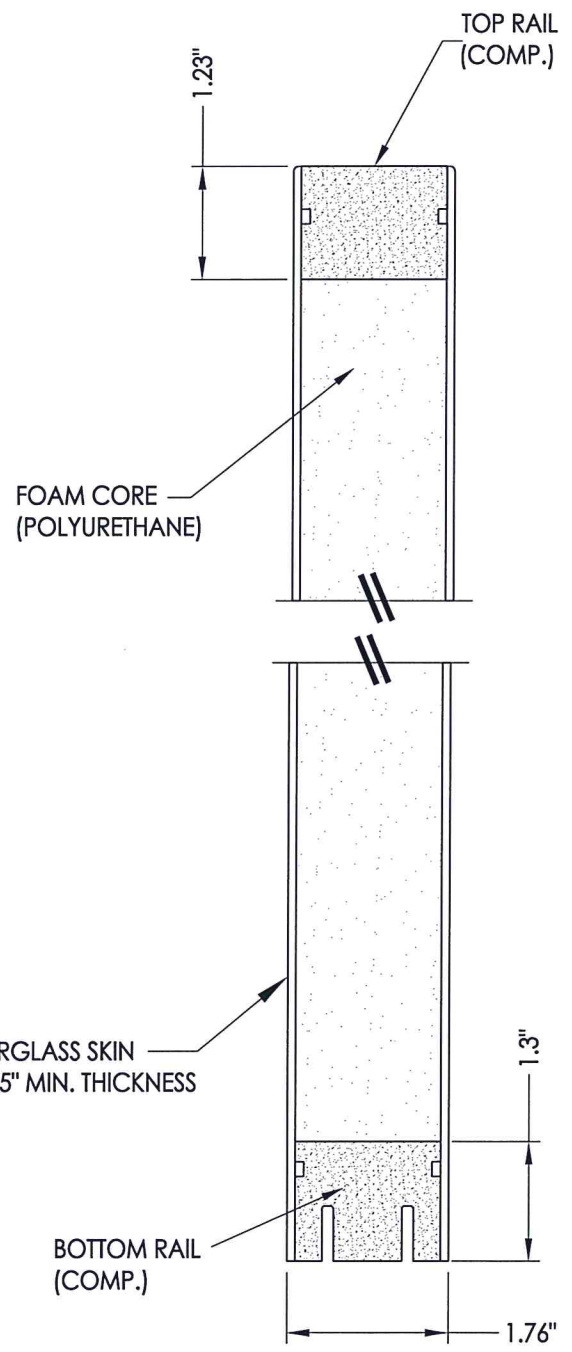
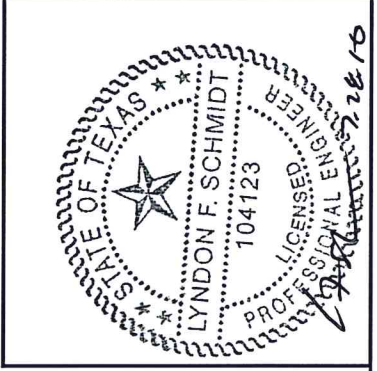


1 HORIZONTAL CROSS SECTION  
2



40 DOOR PANEL  
R3 COMPOSITES  
Fiberglass Door

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SERIES (400)
	DEADBOLT: SERIES (660)
SCHLAGE	KNOB: F51
	DEADBOLT: B60N



2 VERTICAL CROSS SECTION  
2

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

PRODUCT:	R3 COMPOSITES
PART OR ASSEMBLY:	DOOR PANEL DETAILS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS

DATE:	7/20/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4552
SHEET	2 OF 10



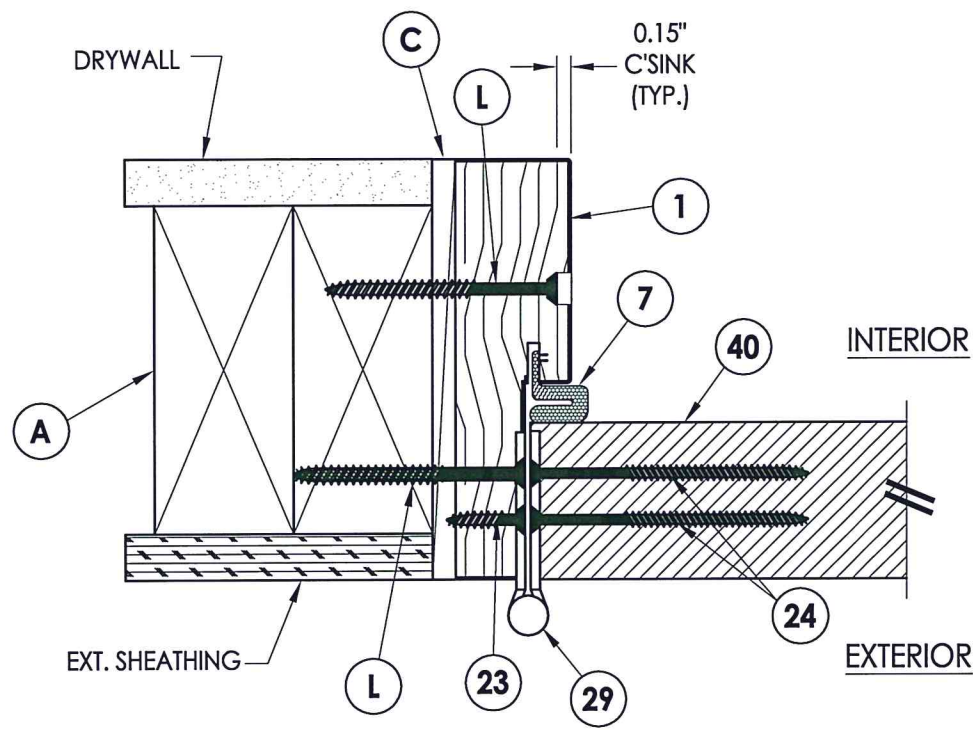




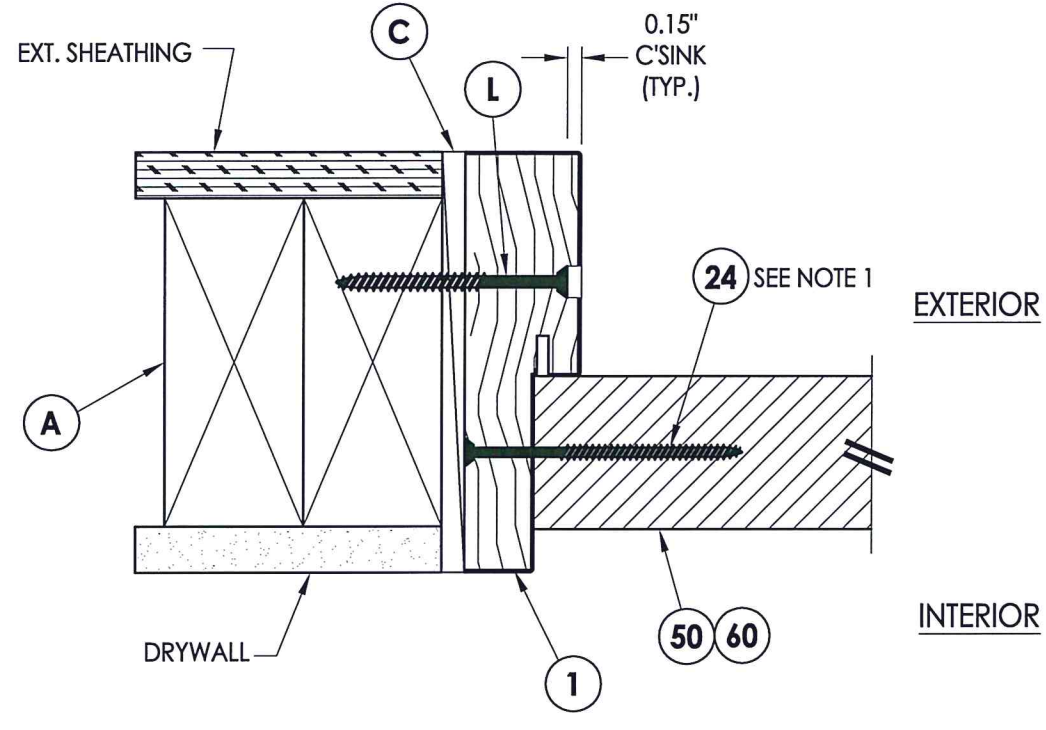




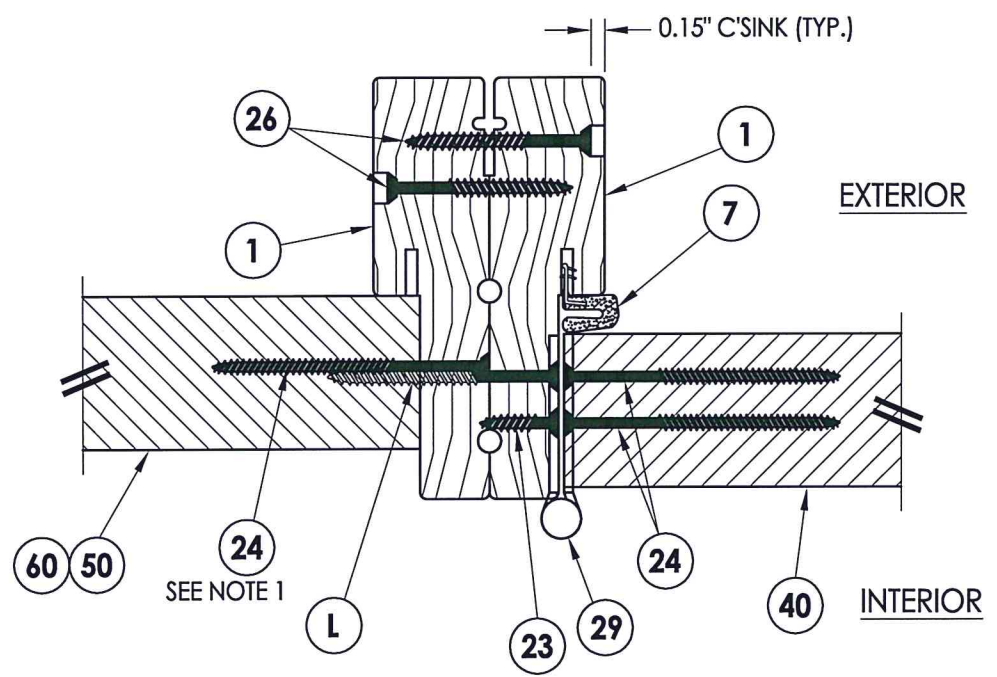
R:\Clients\18 3 Composites PERMANENT.B - Texas Dept of Ins\18 Opaque Fiberglass Door\C - Drawings\TX-4552.dwg.6



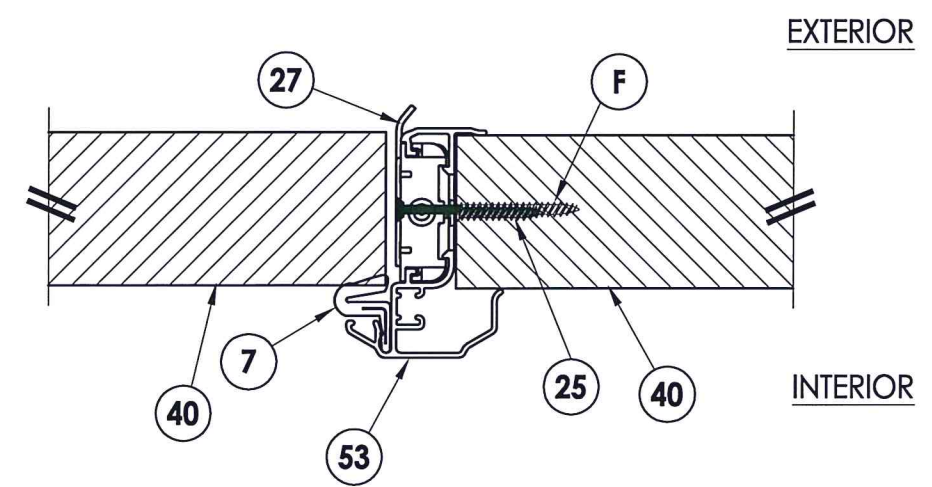
**1**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown - Inswing also approved



**2**  
**6** **HORIZONTAL CROSS SECTION**  
Inswing shown

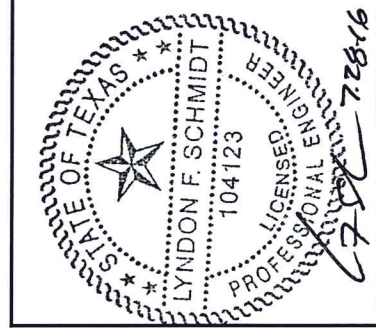


**3**  
**6** **HORIZONTAL CROSS SECTION**  
Inswing shown



**4**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown - Inswing also approved

NOTE:  
1. Location for item #24 is 1 at the center jamb (1) total.



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

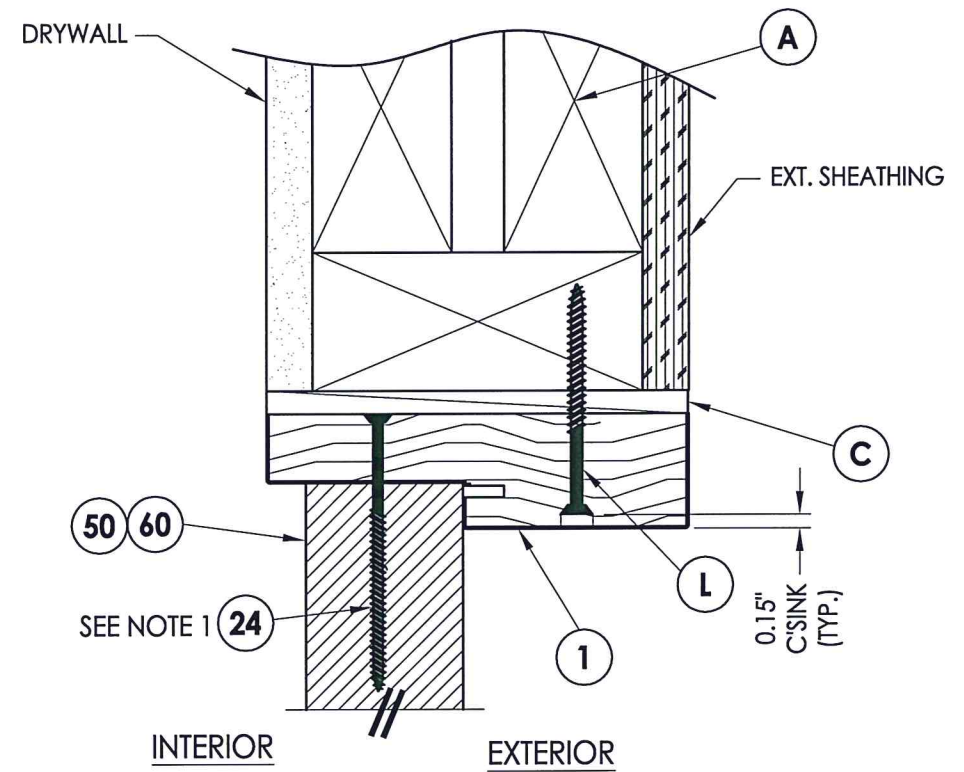
Documents Prepared By:  
**PRODUCT:** R3 COMPOSITES  
**PART OR ASSEMBLY:** HORIZONTAL CROSS SECTIONS

NO.	DATE	BY

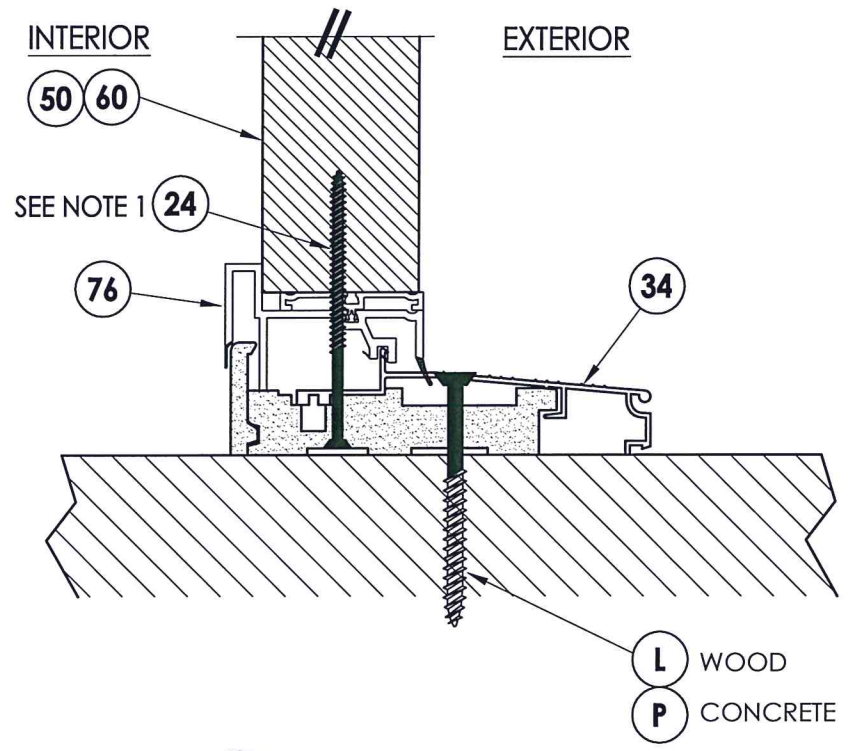
DATE: 7/20/15  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4552  
SHEET 6 OF 10





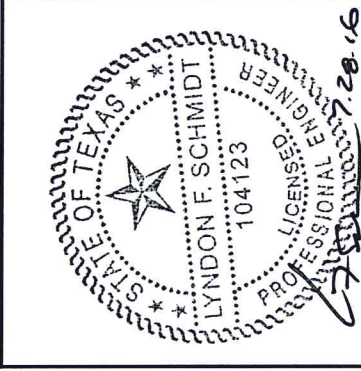


**1** VERTICAL CROSS SECTION  
**8** Inswing shown



**2** VERTICAL CROSS SECTION  
**8** Inswing shown

NOTE:  
 1. Item #24 location, 2" from each end (2) total.



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PRODUCT: R3 COMPOSITES  
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

REVISIONS	
NO.	DATE

DATE: 7/20/15  
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 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4552  
 SHEET 8 OF 10







R:\Clients\R\_3 Composites PERMANENT\B - Texas Dept of Ins\6'8 Opaque Fiberglass Door\C - Drawings\TX-4552.dwg\_10

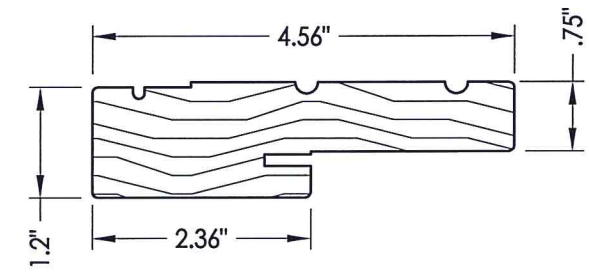
**BILL OF MATERIALS**

ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#8 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
P	1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
1	JAMB - FINGER JOINTED PINE	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP WITH STEEL RETAINER	VINYL
9	#8 X 1/2" PFH WOOD SCREW	STEEL
23	#10 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 3" PFH WOOD SCREW	STEEL
25	#8 x 1" PFH	STEEL
26	#10 X 2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
33	OUTSWING THRESHOLD	ALUM. / WOOD
34	INSWING ADJUSTABLE THRESHOLD	ALUM. / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
53	ENDURA ULTIMATE HURRICANE ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
60	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
76	INSWING SIDELITE ADAPTOR	PVC

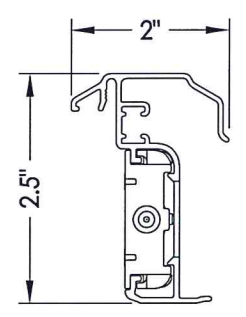
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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" dimension are not exceeded.
- Concrete anchor table:

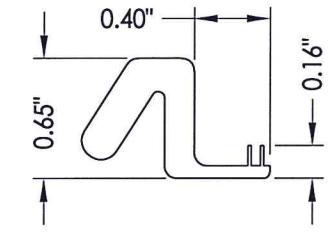
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"



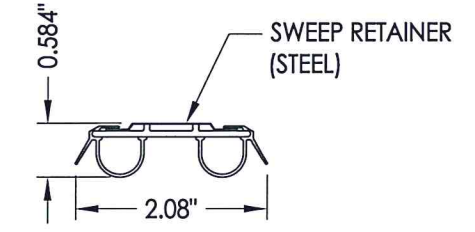
**1 WOOD JAMB**



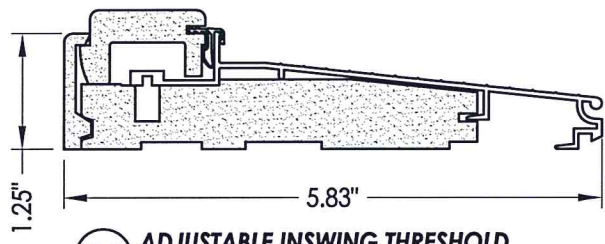
**53 ASTRAGAL**



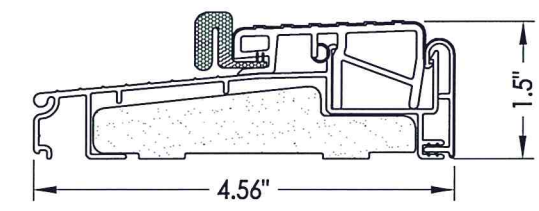
**7 WEATHERSTRIP**  
Endura Force 5



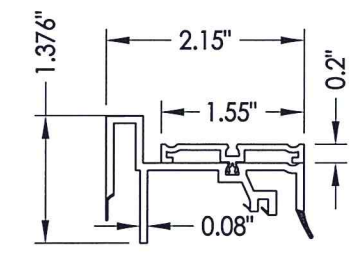
**8 DOOR BOTTOM SWEEP**



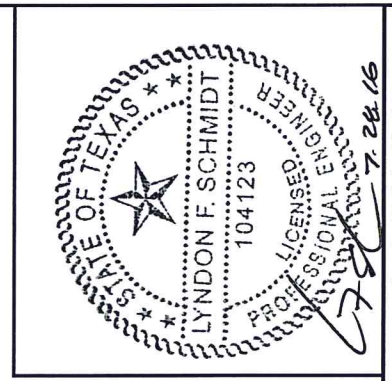
**34 ADJUSTABLE INSWING THRESHOLD**  
By Endura



**33 OUTSWING THRESHOLD**  
By Endura



**76 INSWING SIDELITE ADAPTOR**



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DRAWING NO.:	TX-4552
SHEET	10 OF 10