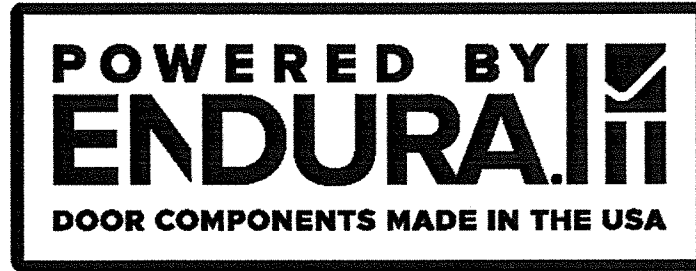


Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-XXXX (Sub ID...) OPAQUE X XX PANLOCKKC - Drawings\TX-5214.dwg



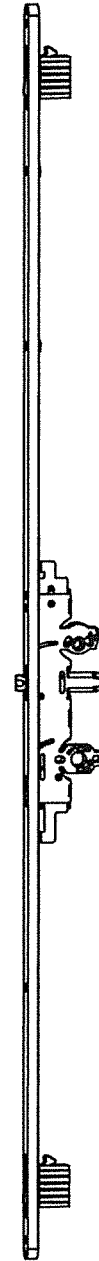
PanoLock Multi-Point Lock in a Single or Double Door IN SWING / OUT SWING "NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

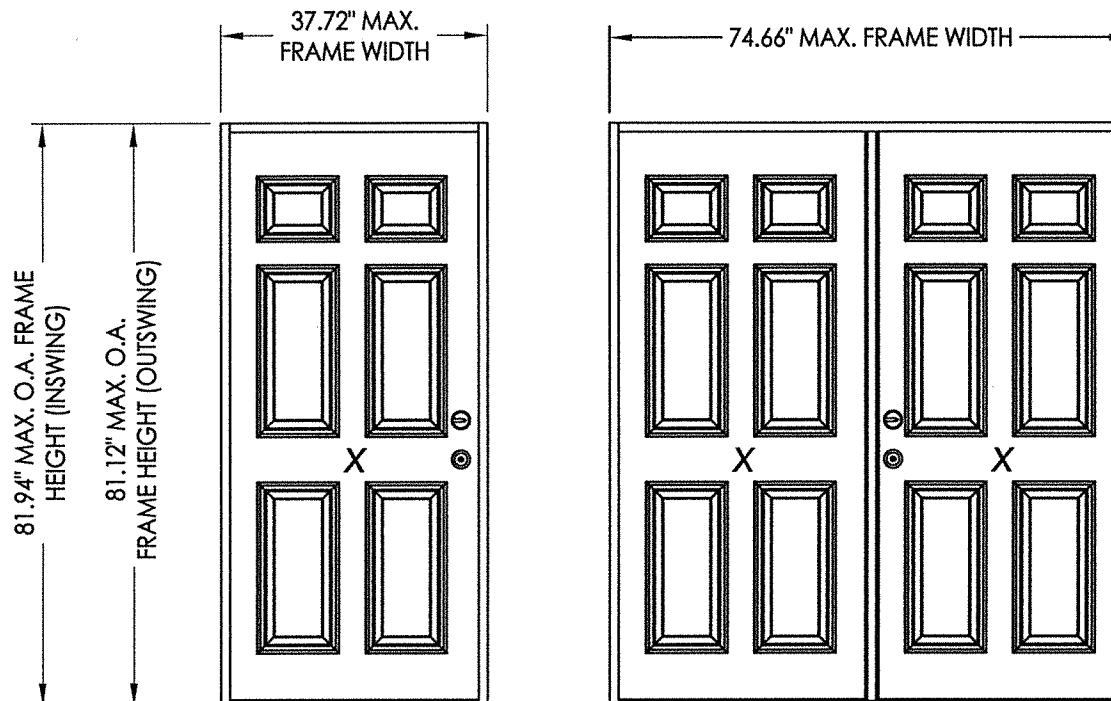
The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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 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 1609.2 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.

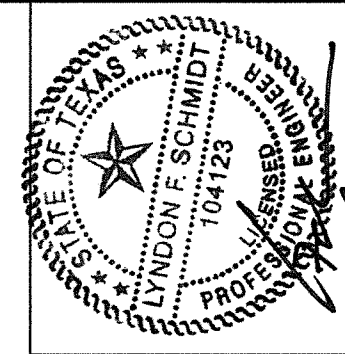
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Sections, Design Pressures & General Notes
2	Door Panel Details
3	Door Panel Details
4	Elevations
5	Vertical Cross Sections
6	Horizontal Cross Sections
7	Frame Anchoring
8	Bill of Materials & Components



PanoLock Multi-Point Lock



CONFIGURATION	MAX FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		IN SWING		OUT SWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.72" x 81.94"	+75.0	-75.0	+75.0	-75.0
XX	74.66" x 81.94"	+60.0	-60.0	+65.0	-65.0



Documents Prepared By: Lyndon F. Schmidt, P.E.
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BUILDING CONSULTANTS, INC.
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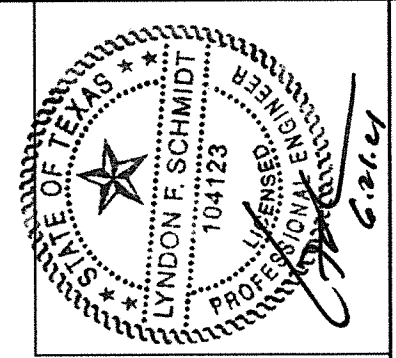
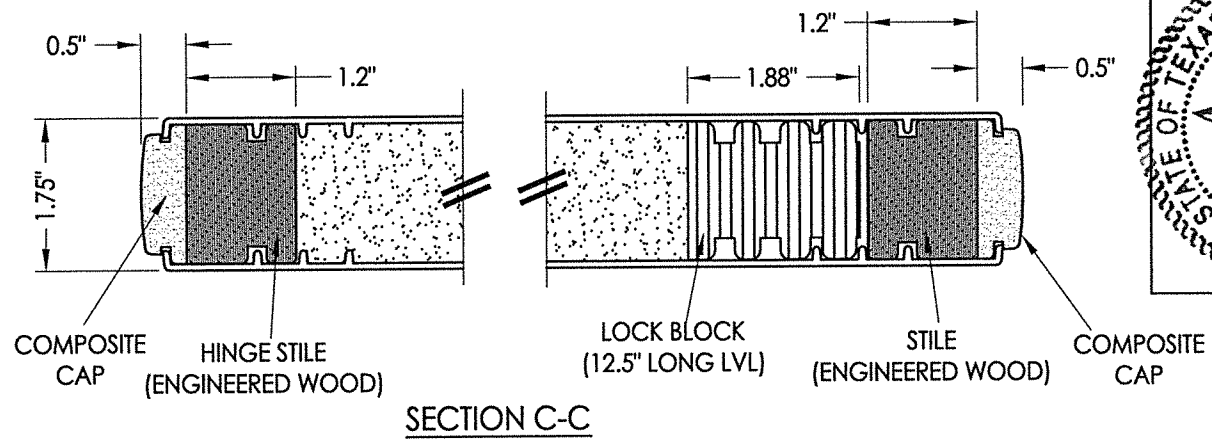
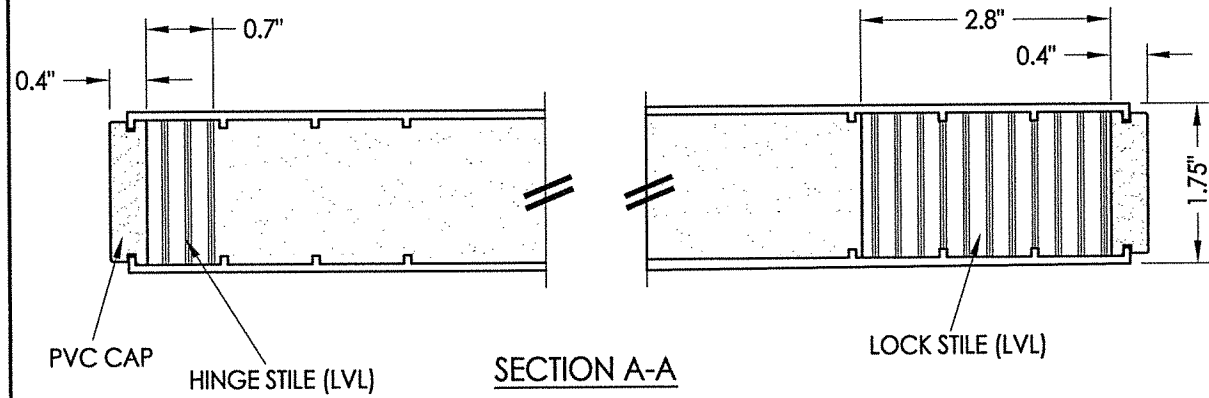
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA

PART OR ASSEMBLY: TYPICAL SECTIONS, DESIGN PRESSURES & GENERAL NOTES

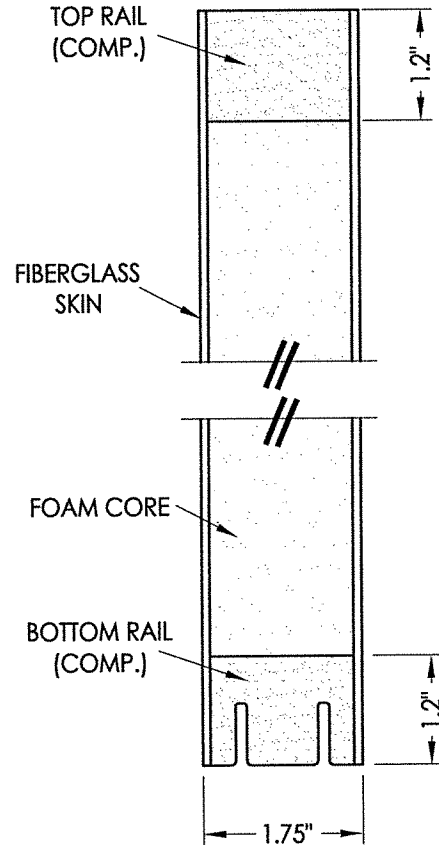
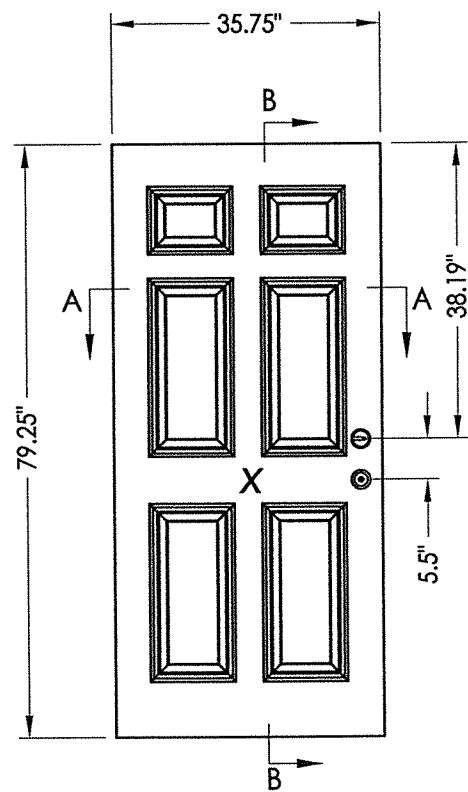
NO.	DATE	BY	REVISIONS

DATE: 6/16/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5214
SHEET 1 OF 8



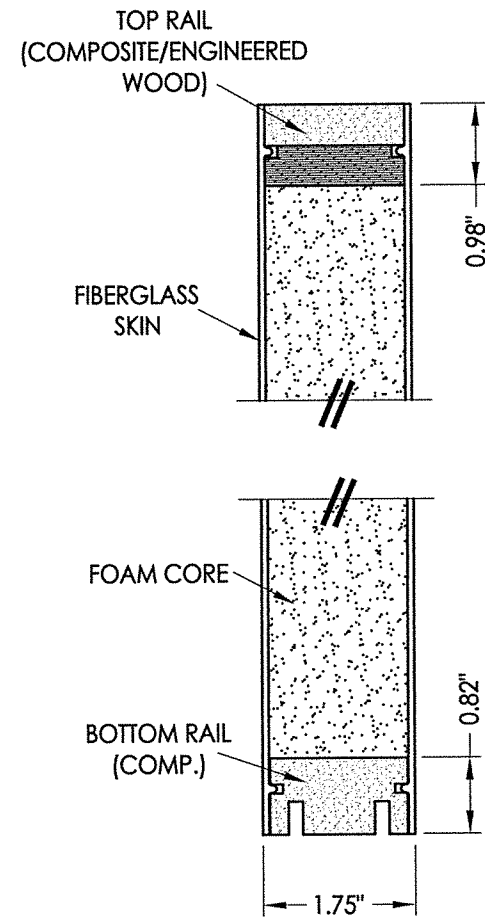
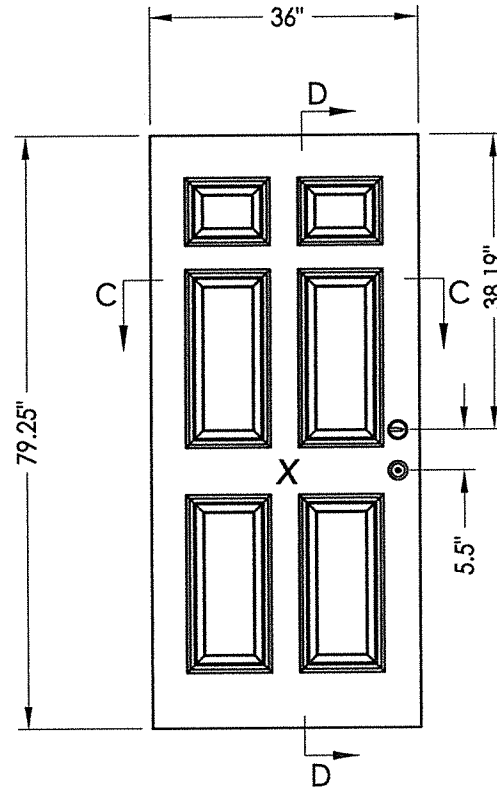
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FIBERGLASS DOOR PANEL
Plastpro 6' 8"
Opaque

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: POLYURETHANE



FIBERGLASS DOOR PANEL
Therma-Tru 6' 8"
Opaque

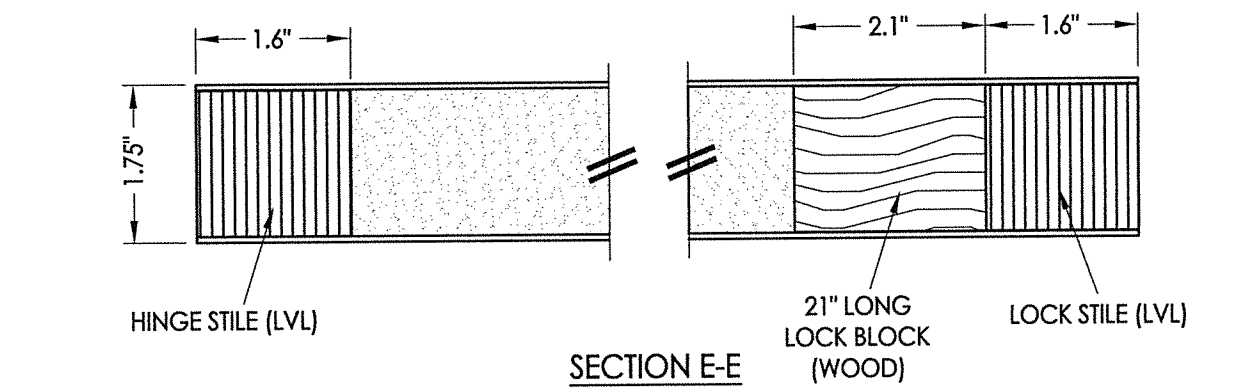
FIBERGLASS SKIN: 0.073" MIN. THK.
FOAM CORE: POLYURETHANE

PRODUCT: ENDURA

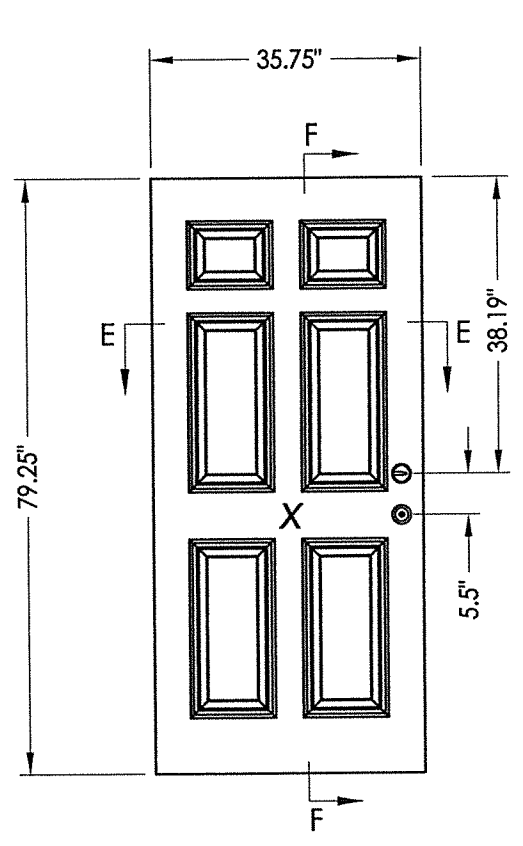
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY

DATE: 6/16/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5214
SHEET 2 OF 8

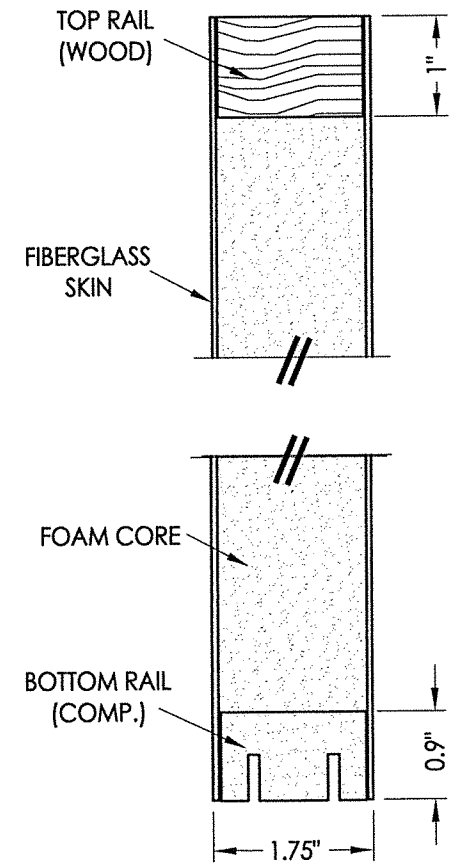


SECTION E-E



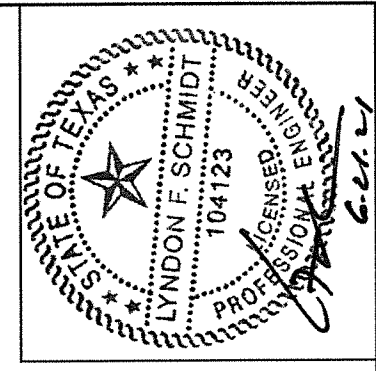
FIBERGLASS DOOR PANEL
Masonite 6' 8"
Opaque

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: POLYURETHANE



SECTION F-F

NOTE: THE MASONITE FIBERGLASS DOOR USED IN AN
OUTSWING SINGLE DOOR CONFIGURATION (X) IS
LIMITED TO A MAXIMUM DESIGN PRESSURE = ± 70 PSF



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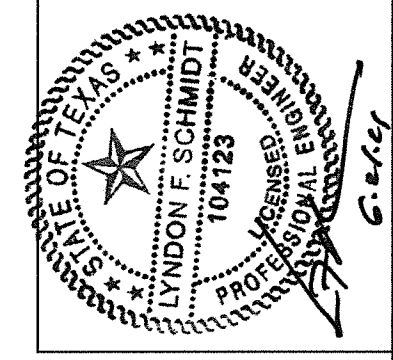
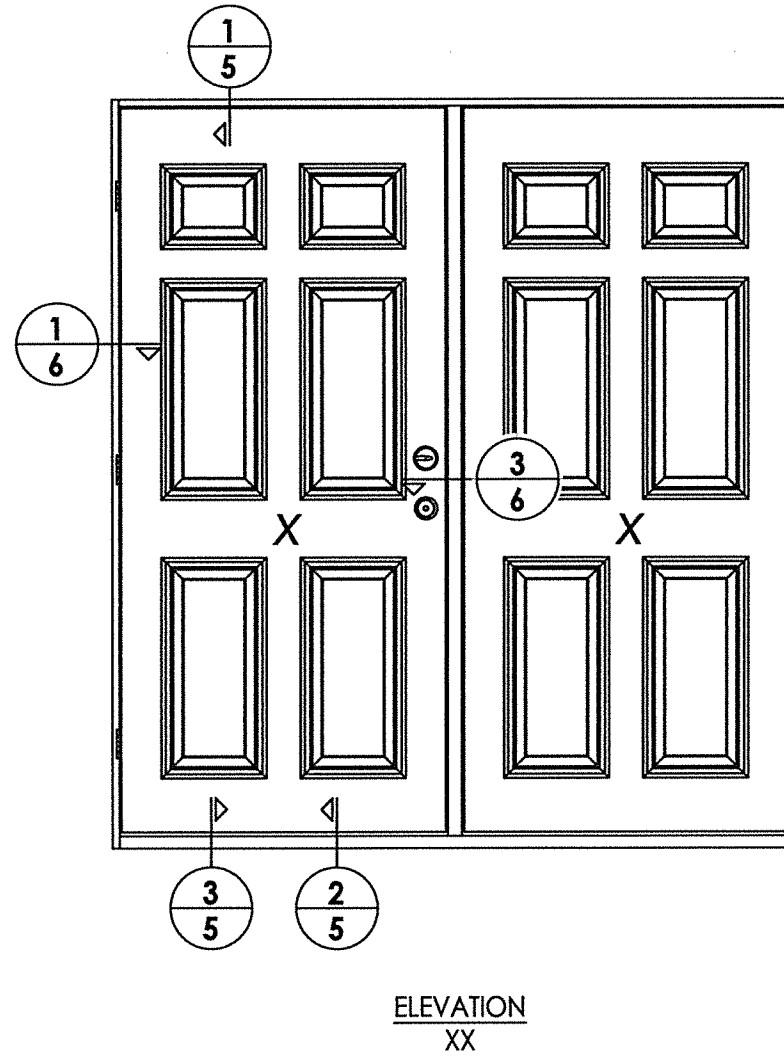
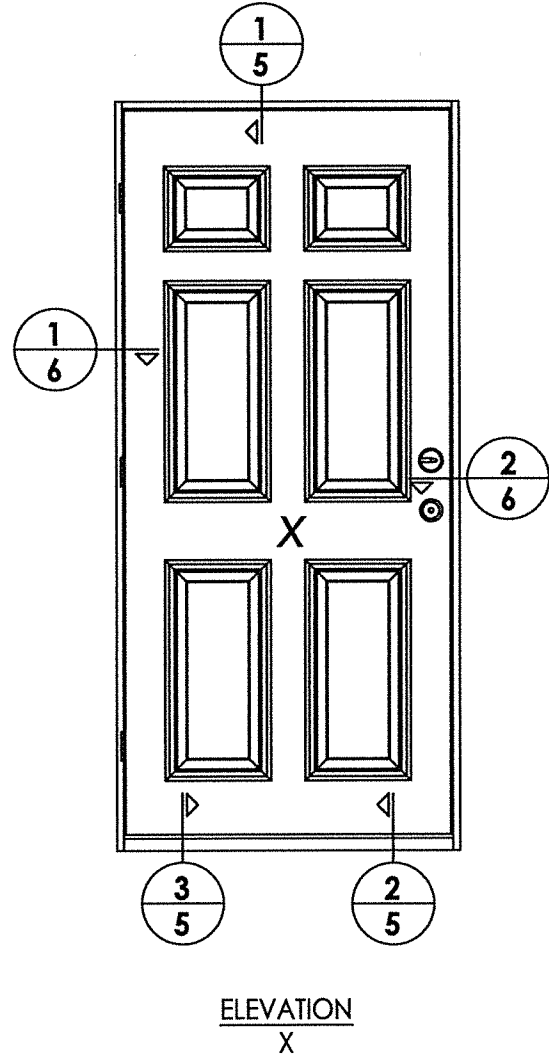
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA

PART OR ASSEMBLY: DOOR PANEL DETAILS

REVISIONS	
NO.	DATE

DATE: 6/16/21
SCALE: N.T.S.
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SHEET 3 OF 8



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PRODUCT: ENDURA

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS	BY

DATE: 6/16/21

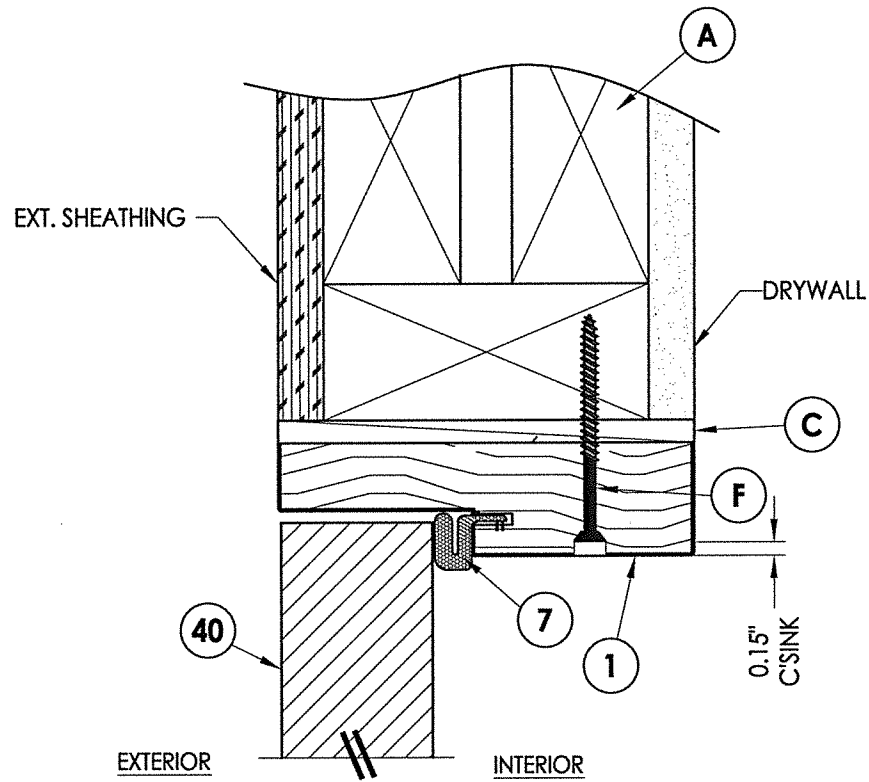
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DWG. BY: RW

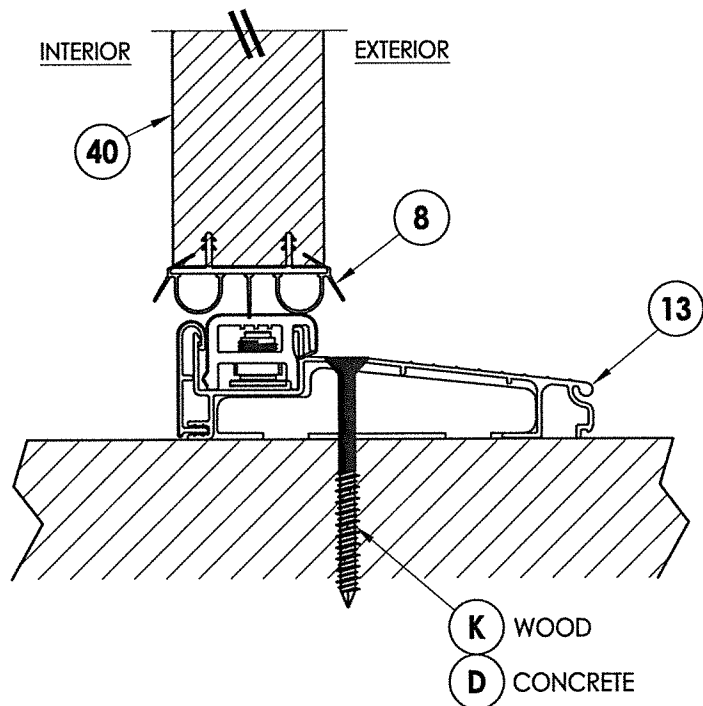
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DRAWING NO.: TX-5214

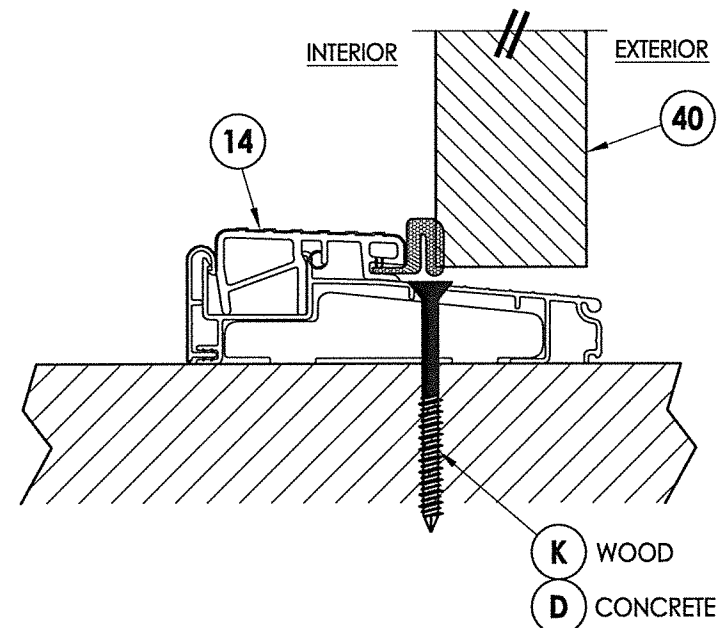
SHEET 4 OF 8



1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

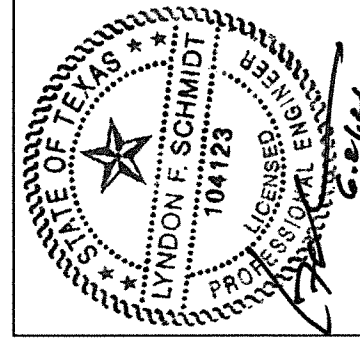


2 VERTICAL CROSS SECTION
5 Inswing sill



3 VERTICAL CROSS SECTION
5 Outswing sill

NOTE:
 1. SILL ANCHORS ARE NOT REQUIRED FOR SINGLE DOOR CONFIGURATIONS.



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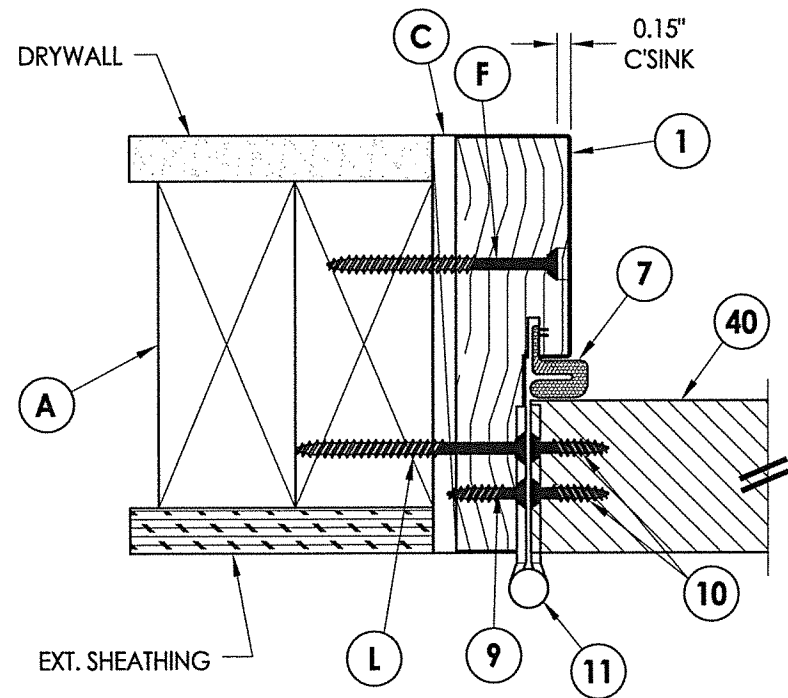
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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA

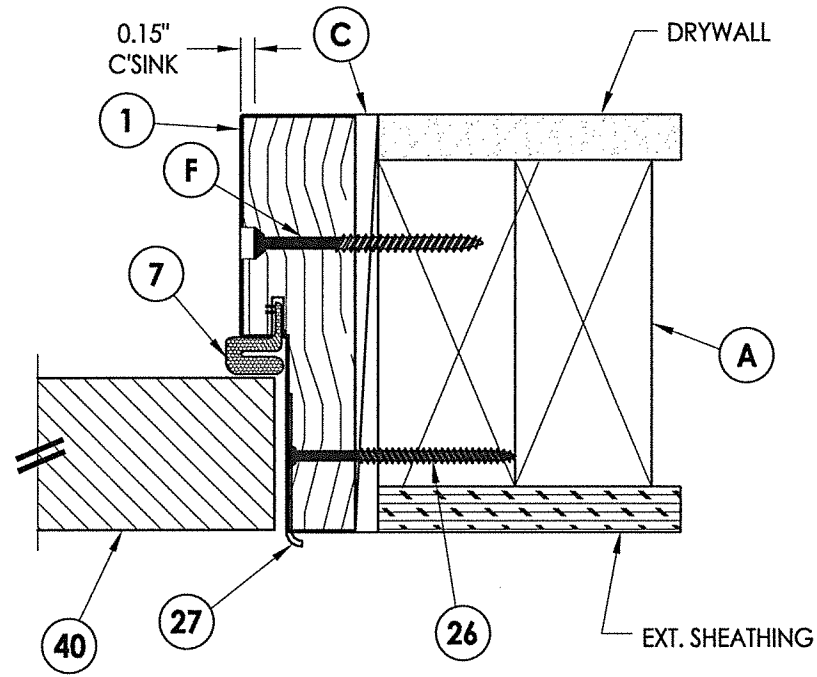
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

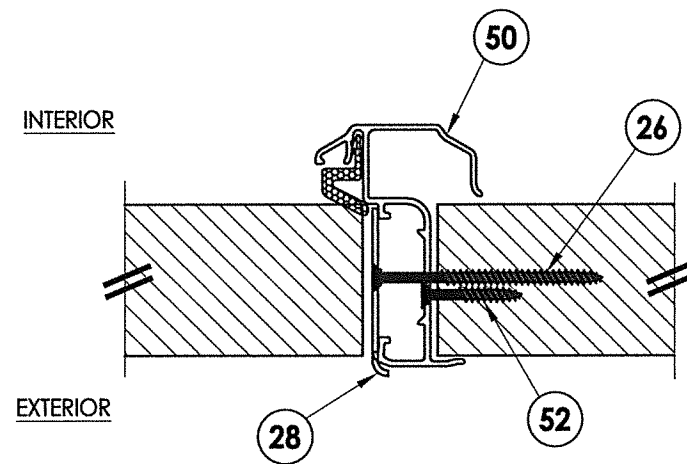
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 SCALE: N.T.S.
 DWG. BY: RW
 CHK. BY: LFS
 DRAWING NO.: TX-5214
 SHEET 5 of 8



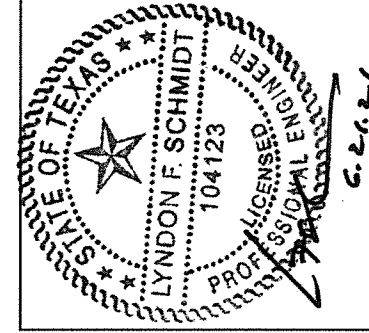
1
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



3
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



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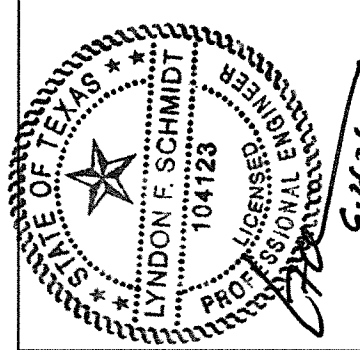
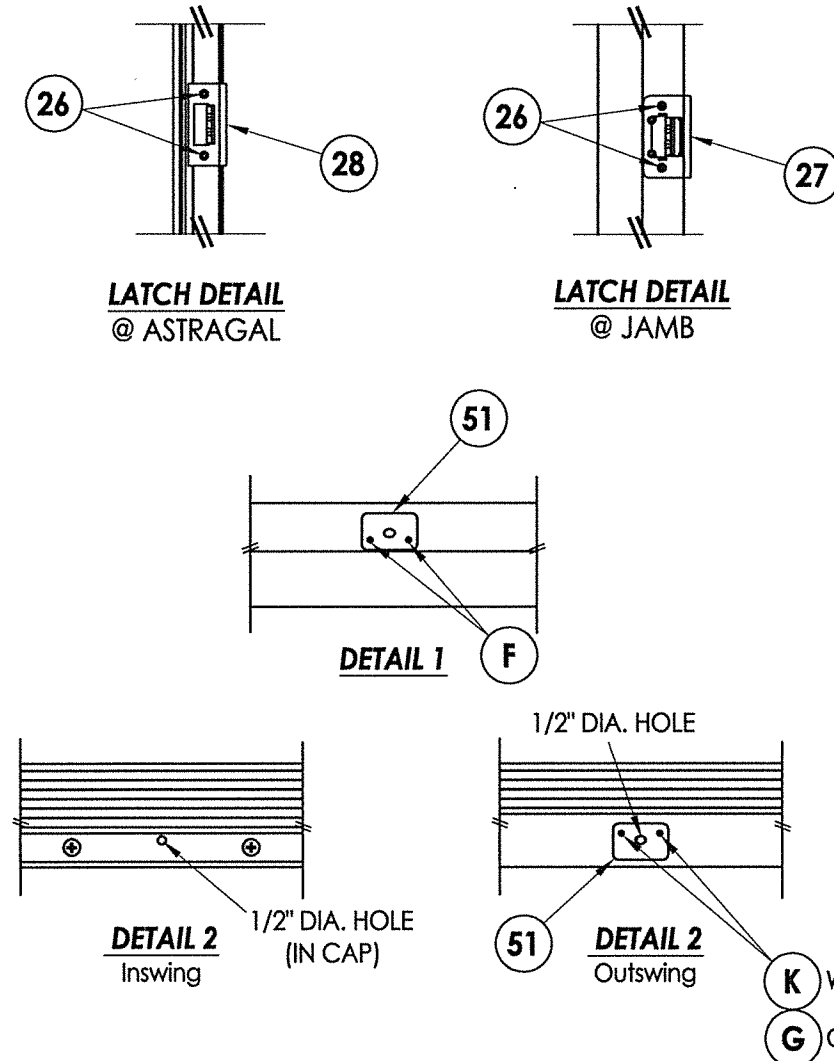
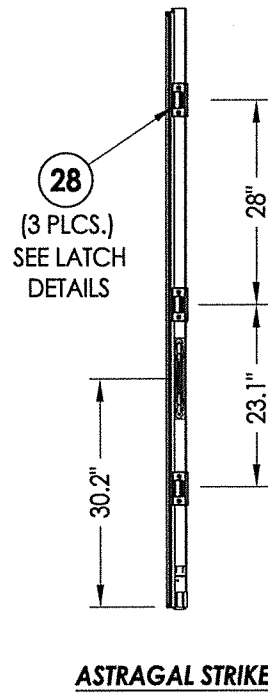
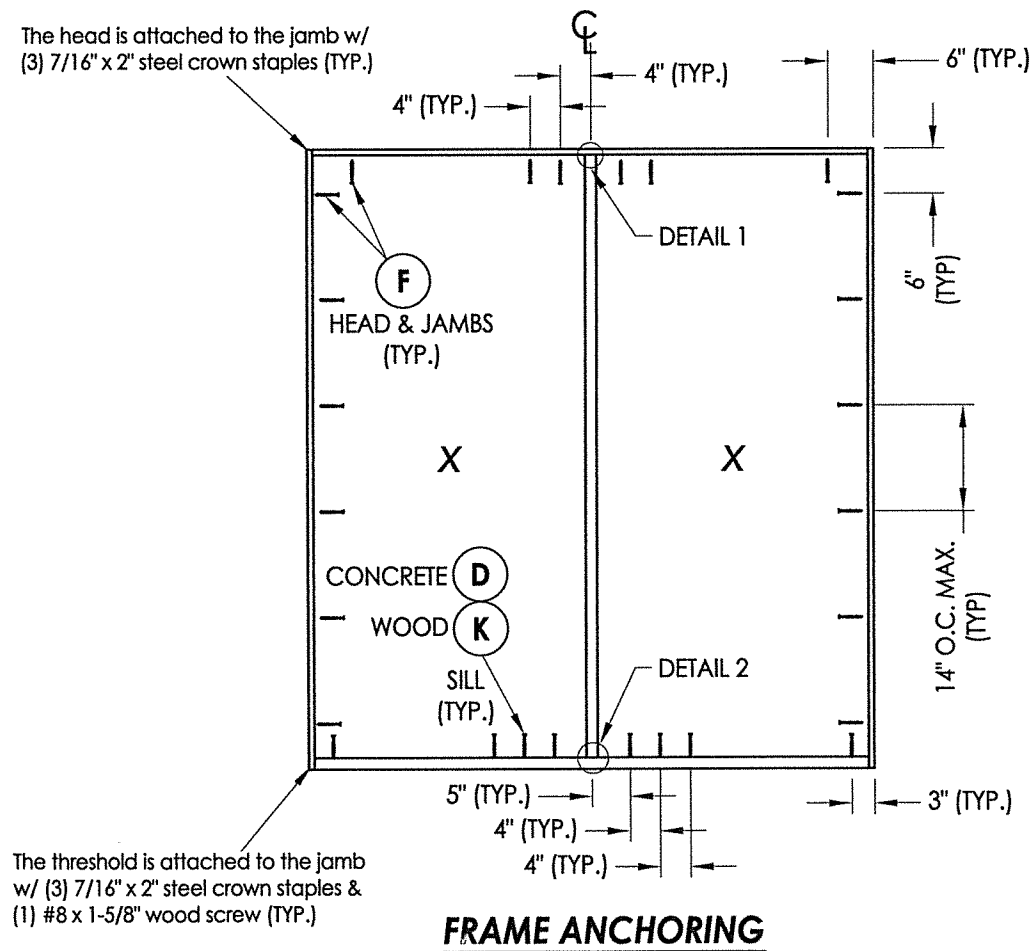
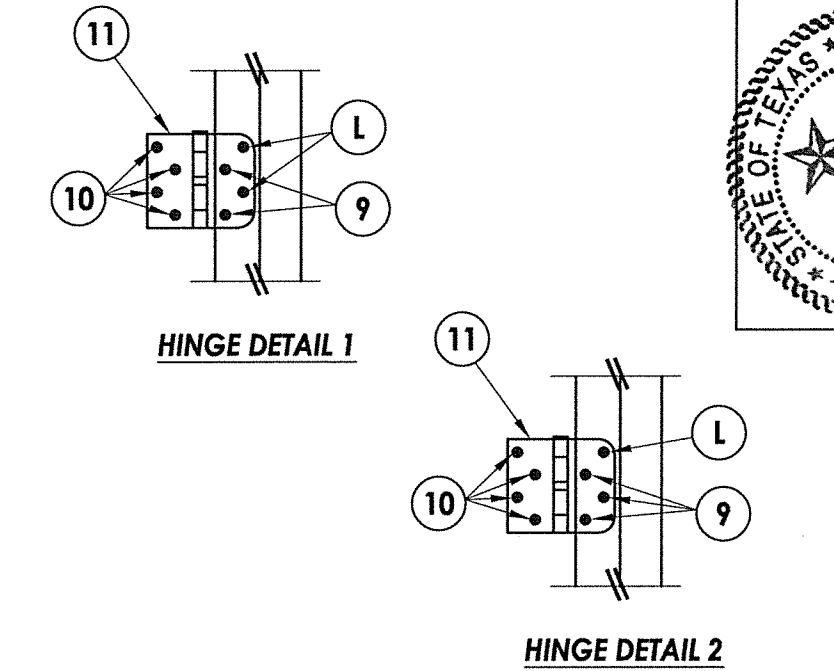
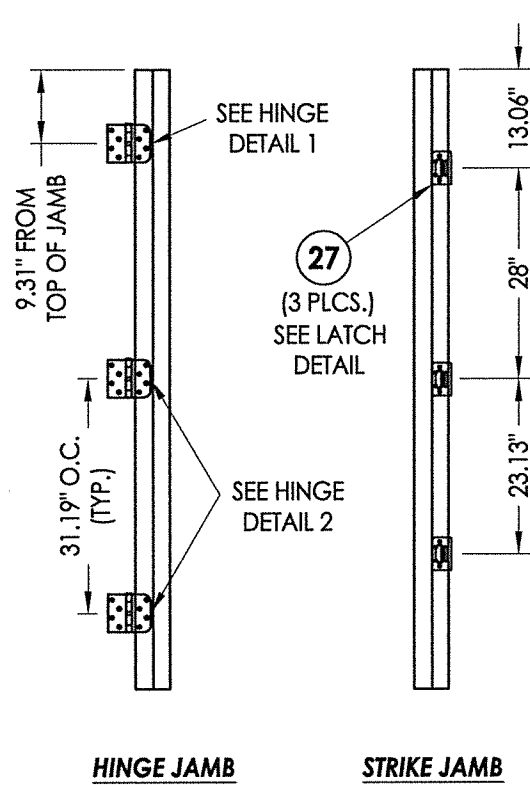
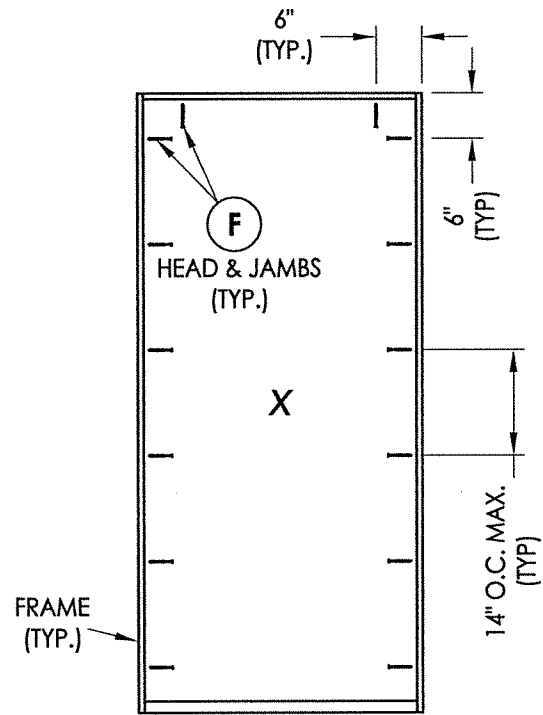
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Phone No.: 813.659.9197
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PRODUCT: ENDURA
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 6/16/21
SCALE: N.T.S.
DWG. BY: RW
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SHEET 6 OF 8

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-XXXX (Sub ID....) OPAQUE X XX PANLOCK\C - Drawings\TX-5214.dwg



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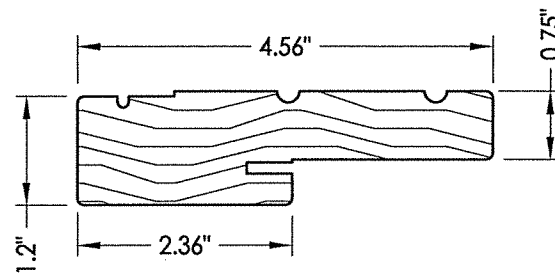
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Phone No.: 813.659.9197

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

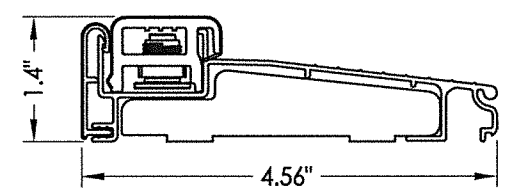
PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
REVISIONS		
DATE:	6/16/21	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	TX-5214	
SHEET	7	OF 8

BILL OF MATERIALS

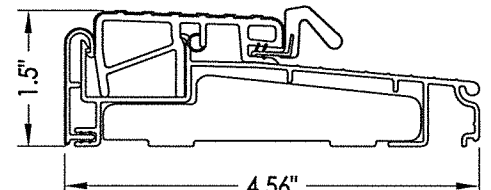
ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH DeWALT OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
G	3/16" PFH ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
K	#10 FH WOOD SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	PVC
9	#9 X 3/4" PFH WOOD SCREW	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
26	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE (JAMB)	STEEL
28	LATCH STRIKE PLATE (ASTRAGAL)	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	ENDURA ULTIMATE PANOLOCK ASTRAGAL	ALUM
51	ASTRAGAL BOLT STRIKE PLATE	STEEL
52	#10 X 1-1/2" FH WOOD SCREW	STEEL



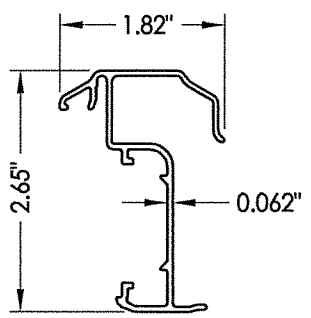
1 WOOD JAMB



13 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



14 OUTSWING THRESHOLD
ZOBL4565



50 ENDURA ULTIMATE PANOLOCK ASTRAGAL

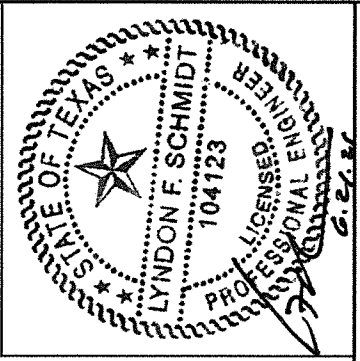
CONCRETE ANCHOR NOTES:

- 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 BUILDEX TAPCON®	3/16"	1-3/4"	3"	1-1/2"
	1/4"	1-3/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-3/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



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

PRODUCT:	ENDURA
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

DATE:	6/16/21
SCALE:	N.T.S.
DWG. BY:	RW
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DRAWING NO.:	TX-5214
SHEET	8 OF 8