

**ELIXIR DOOR & METALS CO.**  
**MODEL 402-14 NON-IMPACT OUTSWING**  
**VINYL LAMINATED STEEL DOOR**  
**INSTALLATION ANCHORAGE DRAWING**

**GENERAL NOTES:**

1. THE PRODUCT AND THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT CONSTRUCTION CONSULTING LABORATORY REPORT # CCL-19-165 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- 1b. TESTED TO ASTM E330-14.
2. ADEQUACY OF THE EXISTING STRUCTURAL 2X FRAMING OR STEEL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS IS MANDATORY FOR THE PRODUCT HEREIN.
6. FRAME MATERIAL: ALUMINUM ALLOY 6063-T6  
DOOR PANEL MATERIAL: .09 MIL VINYL LAMINATED GALVANIZED STEEL.015" SKIN W/ URETHANE FOAM CORE.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12A E1 GLASS CHARTS.
8. DESIGNATIONS "X" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
9. HARDWARE:
  - A. HALF HINGES: (4) 6063-T6 EXTRUDED ALUMINUM
  - B. LATCH LOCK: KEYED
  - C. DEAD BOLT: SINGLE CYLINDER
10. SEE SHEET1 FOR DESIGN PRESSURE CHART.
11. IF WATER INFILTRATION REQUIREMENT EXISTS, UNIT MUST BE INSTALLED BENEATH AN OVERHANG MEETING THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	NONE
SEE GENERAL NOTE 11	+66 / -56	

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### **INSTALLATION NOTES:**


1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
2. THE INSTALLATION ANCHORS AT THE SPACINGS SHOWN ARE THE MINIMUM NUMBER OF ANCHORS AND MAXIMUM SPACINGS TO BE USED FOR PRODUCT INSTALLATION.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE OF 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. ANCHORS FOR INSTALLATION INTO WOOD FRAMING OR 14GA. MINIMUM STEEL FRAMING SHALL BE AS SHOWN IN "ANCHOR SCHEDULE" THIS SHEET.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
6. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE "ANCHOR SCHEDULE" THIS SHEET.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

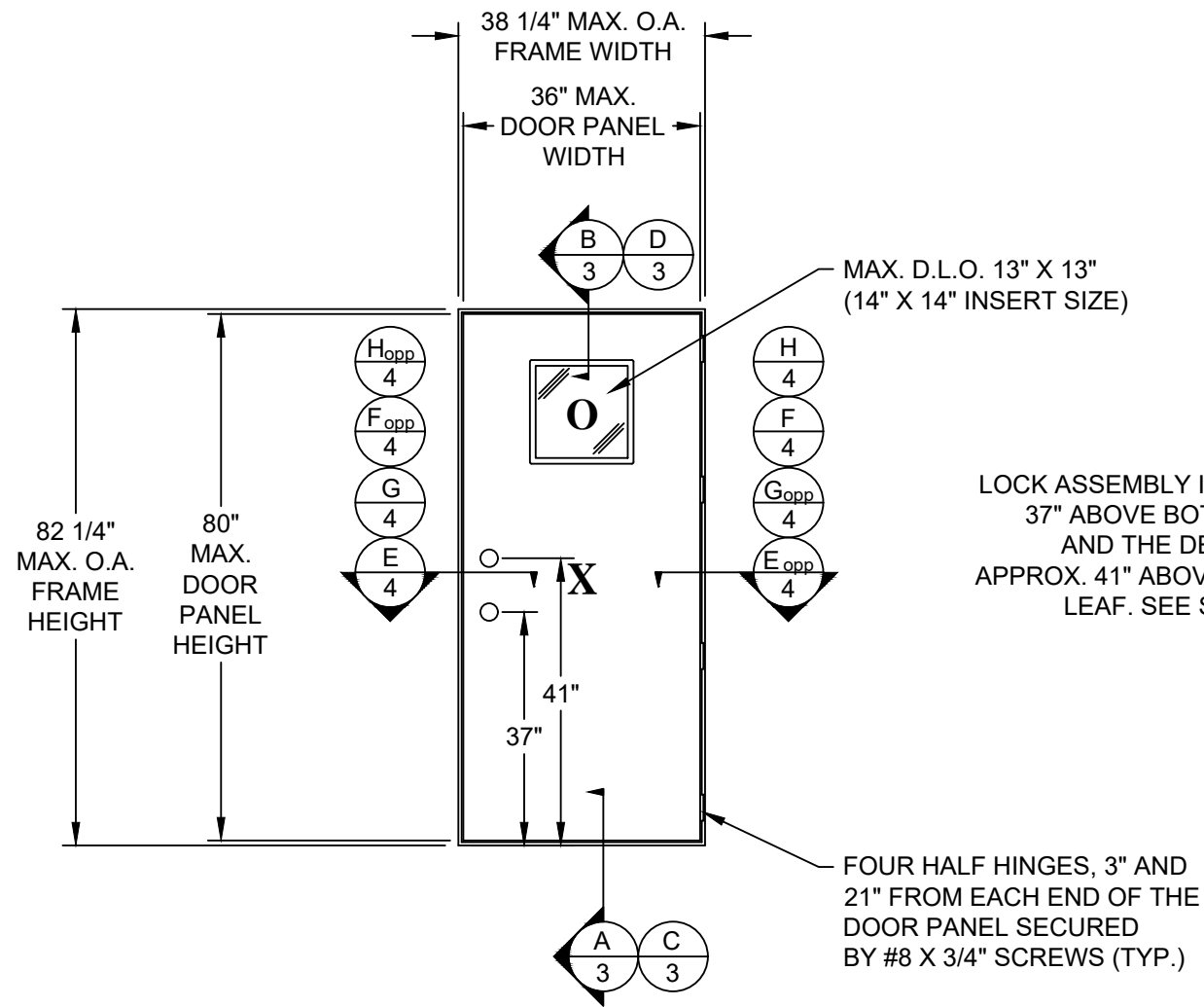
ANCHOR SCHEDULE							
SUBSTRATE	DOOR FRAME TYPE	TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN) <sup>(1)</sup>	EDGE DISTANCE (IN) <sup>(1) (2)</sup>	ANCHOR CAPACITIES BASED ON
SHEET METAL/STEEL TUBING 14 GA. MIN. THICKNESS	FIN (Z-BAR)	PAN HEAD	NO. 8	ASME B18.6.4 (TAPPING SCREW)	MIN. 3 THREADS PAST INSIDE SURFACE OF SUBSTRATE	3/8"	MIN. 33 KSI YIELD STRNETH
2X WOOD FRAMING	FIN (Z-BAR)	PAN HEAD	NO. 8	ANSI B18.6.1 (WOOD SCREW) OR ASME B18.6.4 (TAPPING SCREW)	1"	1/2"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.

**NOTES:**

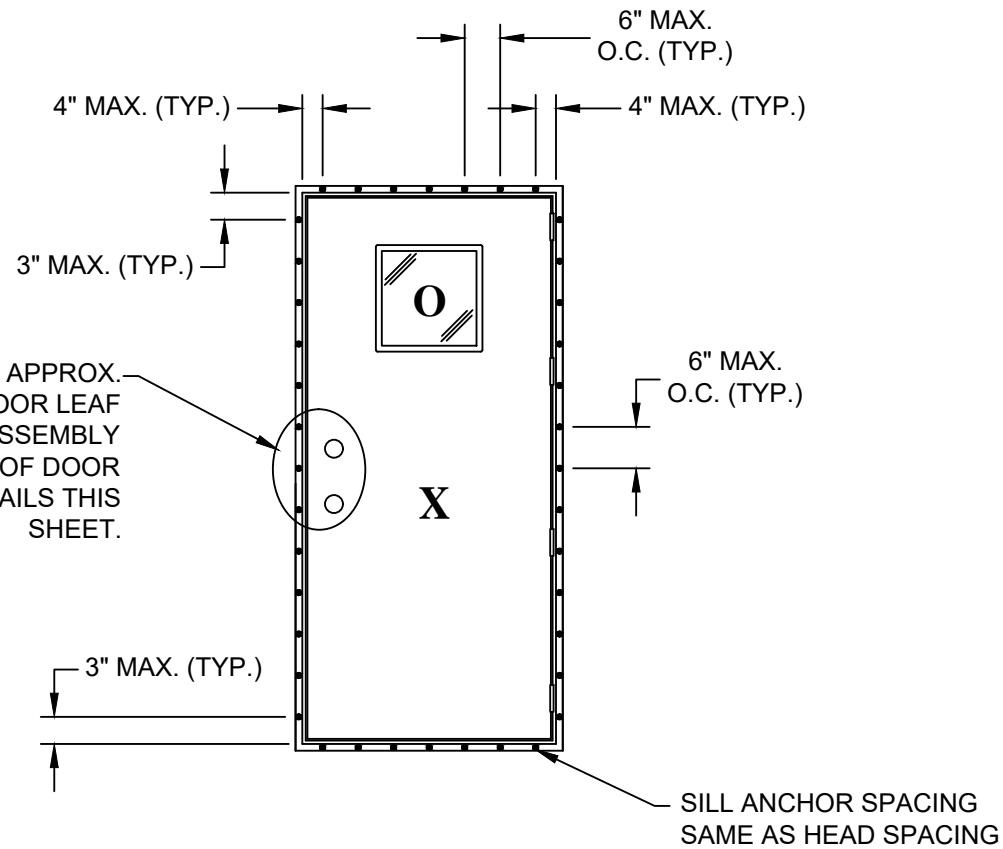
1) FOR WOOD OR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).

2) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE.

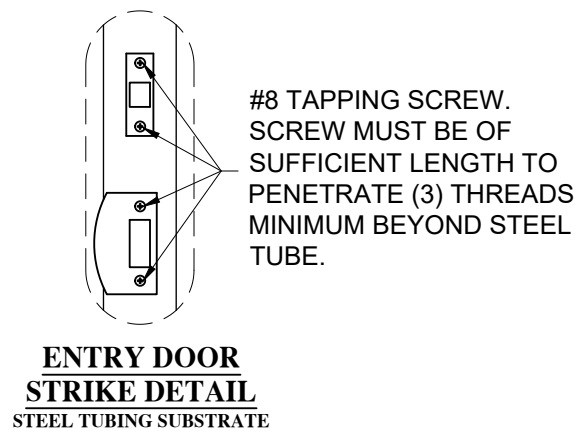
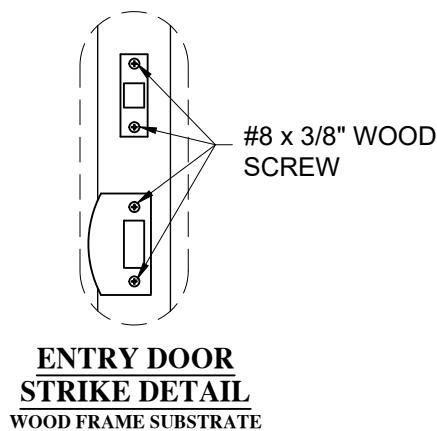
<b>ELIXIR DOOR &amp; METALS CO.</b>			<b>PROJECT NUMBER:</b> 419-0903		
<b>1215 POPE DRIVE DOUGLAS, GEORGIA 31533</b>					
<b>TITLE:</b>  MODEL 402-14 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR GENERAL AND INSTALLATION NOTES					
<b>PREPARED BY:</b>		<b>DRAWN BY:</b> TJH	<b>DATE:</b> 02/29/12		
 <p>PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD FLORIDA 32752 FBPE C.A. NO. 25935 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com</p>		<b>SCALE:</b> N.T.S.	<b>DRAWING NO:</b> ELIX0050	<b>B</b>	<b>UPDATE TO CURRENT EDITION FBC</b>
		<b>REV:</b> B	<b>SHEET:</b> 1 OF 4	<b>REV</b>	<b>DESCRIPTION</b>
					<b>DATE</b>
					<b>RJA</b>
					<b>BY</b>



**ELEVATION**  
EXTERIOR VIEW



**ANCHOR LAYOUT**  
EXTERIOR VIEW



**ANCHORING NOTES:**

1. MINIMUM NUMBER OF ANCHORS IN JAMBS IS 14. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAXIMUM O.C.
2. MINIMUM NUMBER OF ANCHORS IN HEAD AND SILL IS 6. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAXIMUM O.C.

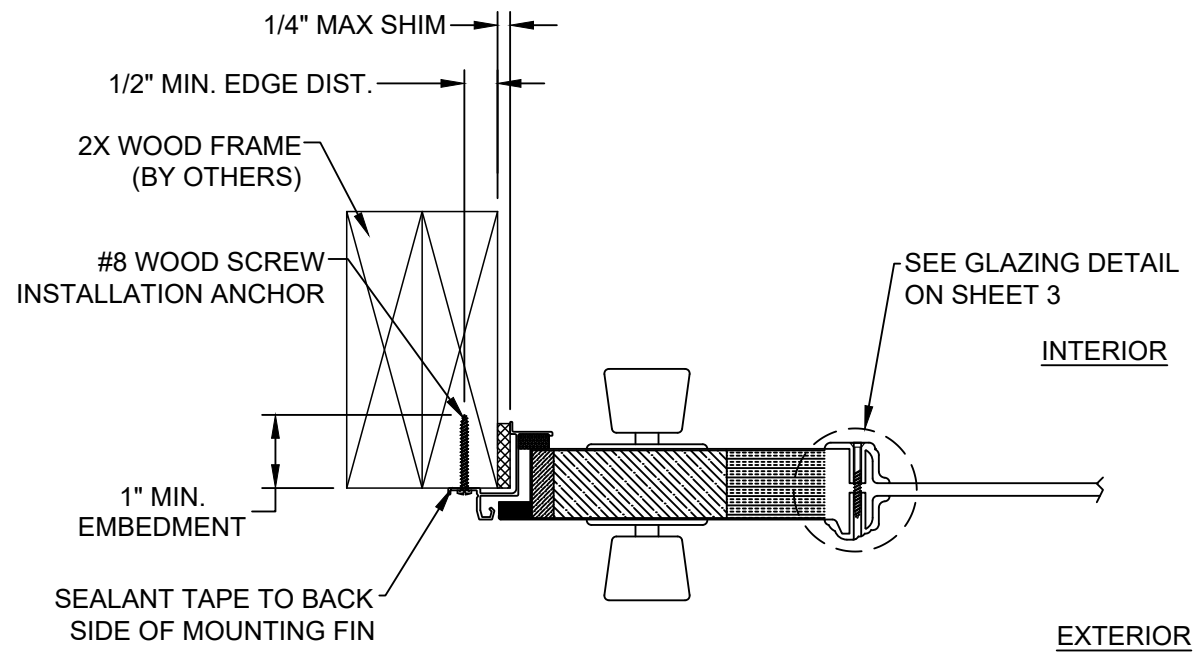
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					UPDATE TO CURRENT EDITION FBC	1/25/21 RJA
					DESCRIPTION	DATE
					REV	BY

ELIXIR DOOR & METALS CO. 1215 POPE DRIVE DOUGLAS, GEORGIA 31533				DATE: 02/29/12	
TITLE: MODEL 402-14 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR ELEVATION AND ANCHOR LAYOUT				DRAWING NO: ELIX0050	
PREPARED BY: PTC				SHEET: 2 OF 4	
DRAWN BY: TJH				REV: B	
SCALE: N.T.S.				REV: B	
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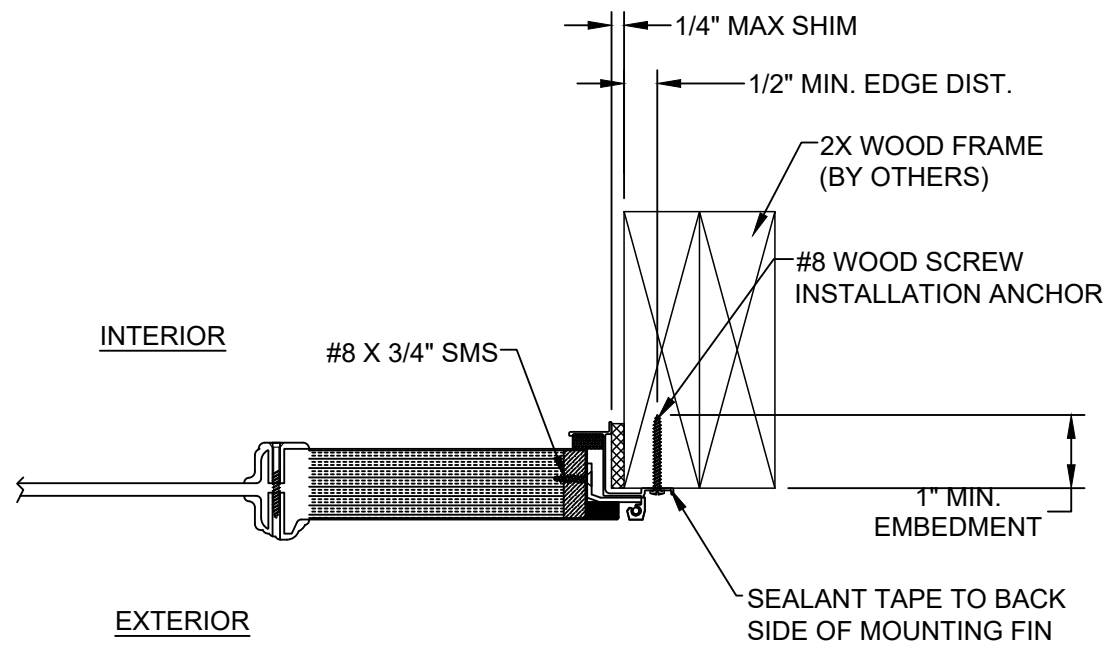


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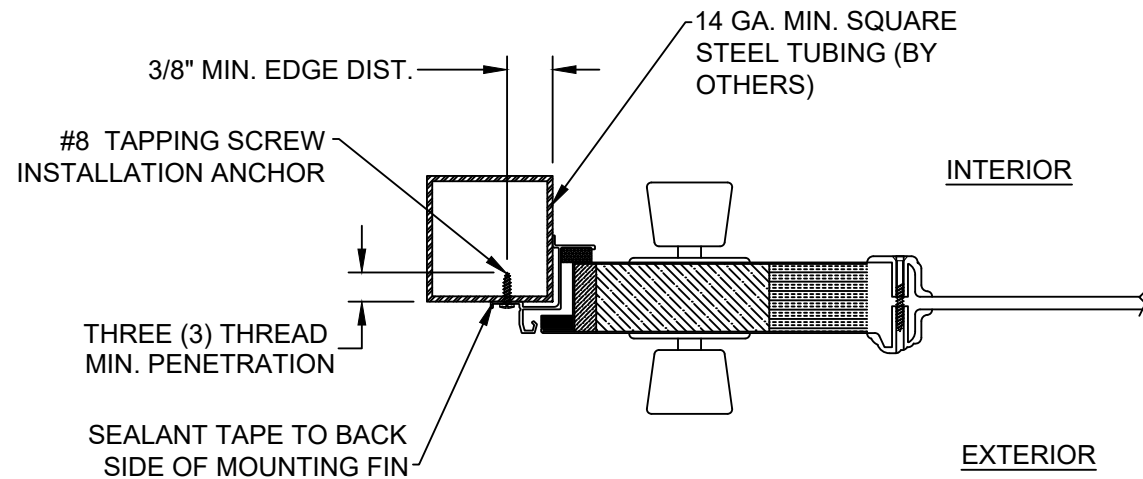
**E**

**HORIZONTAL SECTION**  
WOOD FRAME SUBSTRATE



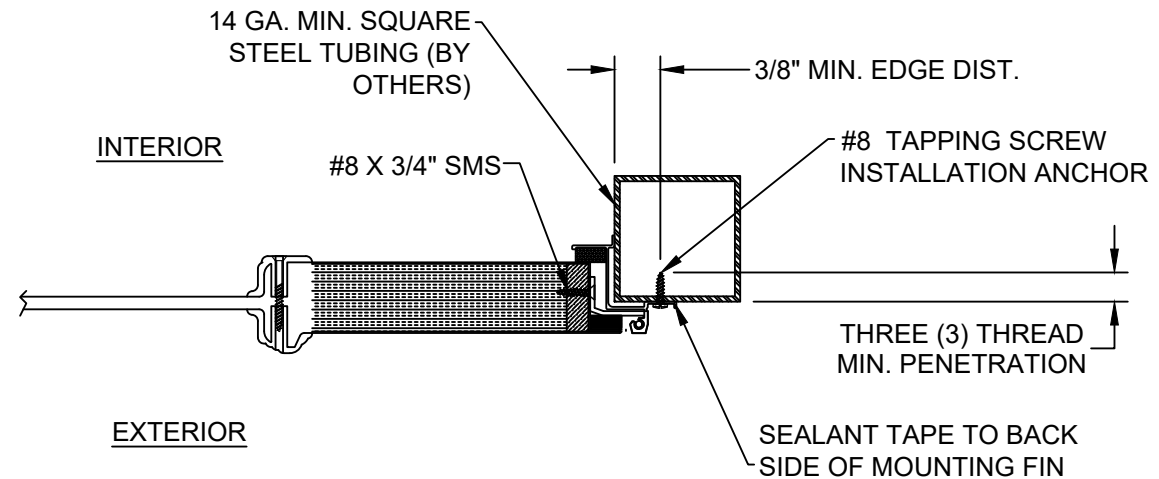
**F**

**HORIZONTAL SECTION**  
WOOD FRAME SUBSTRATE



**G**

**HORIZONTAL SECTION**  
STEEL TUBING SUBSTRATE



**H**

**HORIZONTAL SECTION**  
STEEL TUBING SUBSTRATE

PROJECT NUMBER: 419-0903

**ELIXIR DOOR & METALS CO.**  
1215 POPE DRIVE  
DOUGLAS, GEORGIA 31533

TITLE: MODEL 402-14 NON-IMPACT OUTSWING  
VINYL LAMINATED STEEL DOOR  
HORIZONTAL CROSS SECTIONS

PREPARED BY: **PDC**  
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DRAWN BY: TJH  
SCALE: N.T.S.  
REV: B  
DATE: 02/29/12  
DRAWING NO: ELIX0050  
SHEET: 4 OF 4

UPDATE TO CURRENT EDITION FBC  
1/25/21 R/A  
DESCRIPTION  
DATE  
BY

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