ELIXIR DOOR & METALS CO. MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR

INSTALLATION ANCHORAGE DRAWING

GENERAL NOTES:

- 1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING HIGH VELOCITY HURRICANE ZONE AND THE DESIGN PRESSURE(S) STATED HEREIN.
- 1a. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT CONSTRUCTION CONSULTING LABORATORY REPORT # CCL-19-167 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 E1300-12AE1.
- 8. DESIGNATIONS "X" STAND FOR THE FOLLOWING: X: OPERABLE PANEL
- O: FIXED PANEL
- 9. HARDWARE:
 - A. HALF HINGES: (4) 6063-T6 EXTRUDED ALUMINUM
 - 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.

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.

DESIGN PRESSU	IMPACT RATING		
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED SEE GENERAL NOTE 11	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED +50 / -50	NONE	

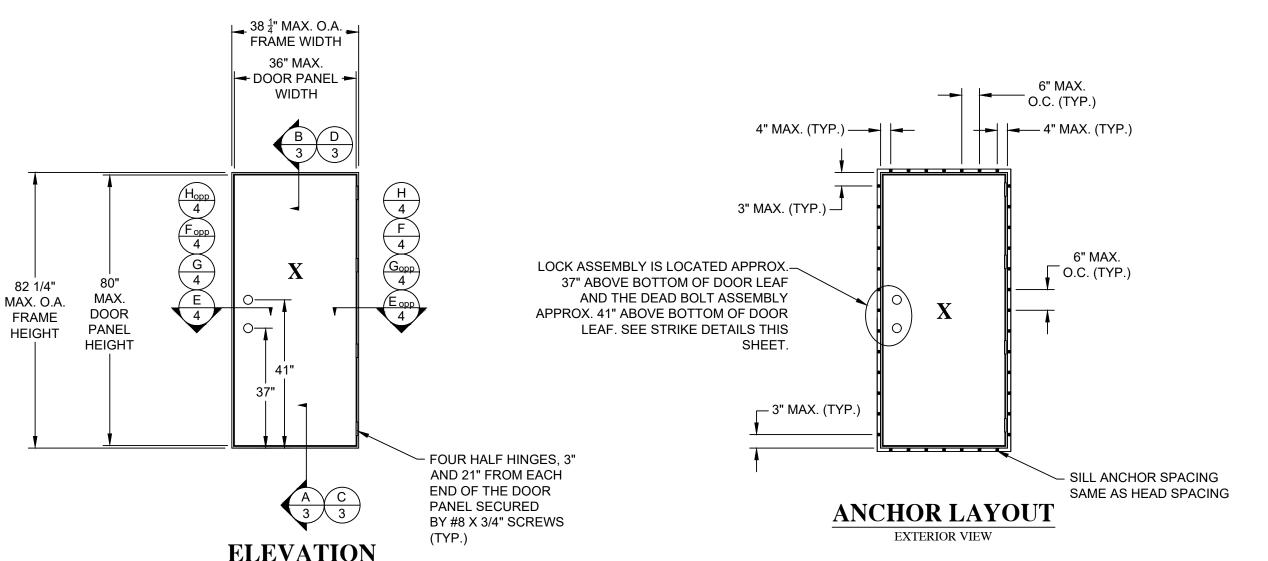
	TABLE OF CONTENT
SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	ELEVATION, ANCHORING LAYOUT
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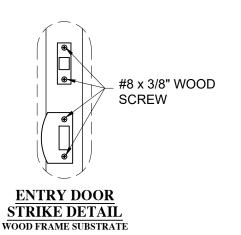
ANCHOR SCHEDULE								
SUBSTRATE	TYPE		MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN) (1)	EDGE DISTANCE (IN) (1) (2)	ANCHOR CAPACITIES BASED ON		
SHEET METAL/STEEL TUBING 14 GA. MIN. THICKNESS	FIN (Z-BAR)	PAN HEAD	NO. 8	ASME B18.6.4 (TAPPING SCREW)	MIN. 3 THREADS PAST INSIDE SURFACE OF SUBSTRATE	3/8"	MIN. 33 KSI YIELD STRNEGTH	
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.	

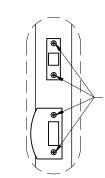
NOTES:

- 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.

Robert J. Amoruso, P.E. FL P.E. No. 49752







EXTERIOR VIEW

#8 TAPPING SCREW. SCREW MUST BE OF SUFFICIENT LENGTH TO PENETRATE (3) THREADS MINIMUM BEYOND STEEL TUBE.

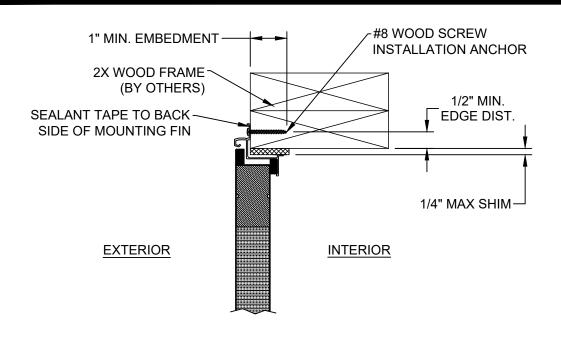
ENTRY DOOR STRIKE DETAIL STEEL TUBING SUBSTRATE

ANCHORING NOTES:

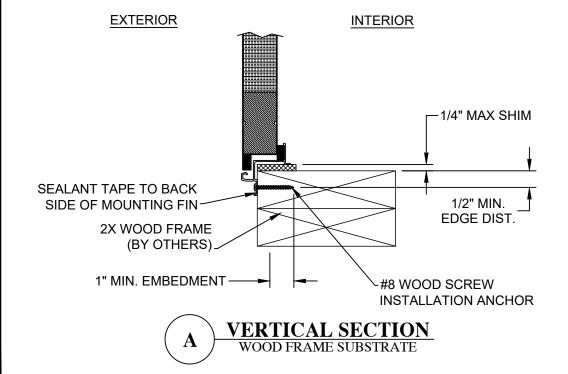
- MINIMUM NUMBER OF ANCHORS IN JAMBS IS 14. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAXIMUM O.C.
- 2. MINIMUM NUMBER OF ANCHORS IN HEAD AND SILL IS 6. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAXIMUM O.C.

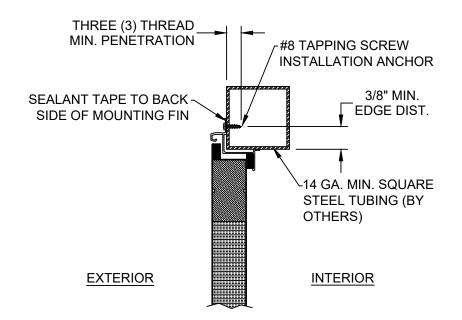
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PRO.								۵	۵	RFV
ELIXIR DOOR & METALS CO.	1215 POPE DRIVE	DOUGLAS, GEORGIA 31533	TITLE: MODEL AD7 NON-IMPACT OLITSWING	VINYL LAMINATED STEEL DOOR	FI FVATION AND ANCHOR LAYOUT	PREPARED BY: DRAWN BY: DATE:	TJH 02/29/12	씸	PTC PRODUCT DESIGN GROUP, LLC N.T.S. ELIX0052	Phone: 321.690.1788 REV: SHEET: OF A

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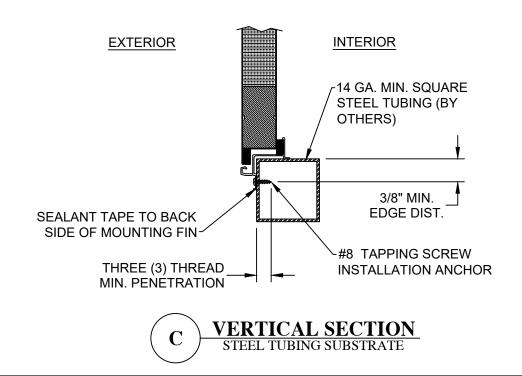


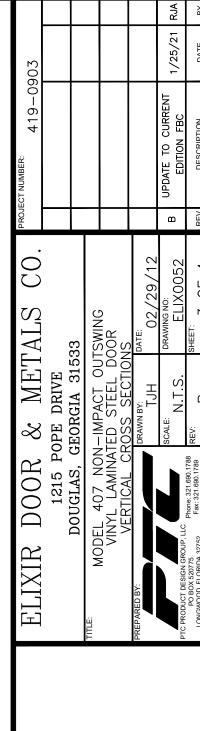




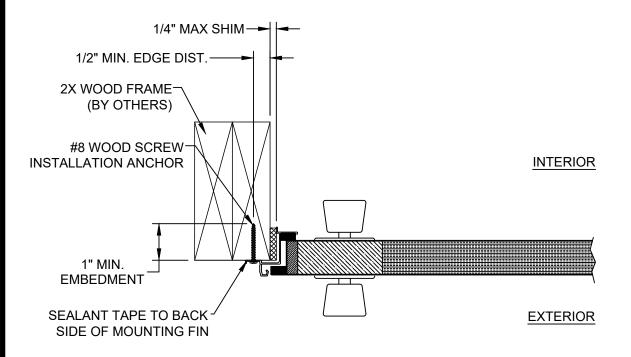




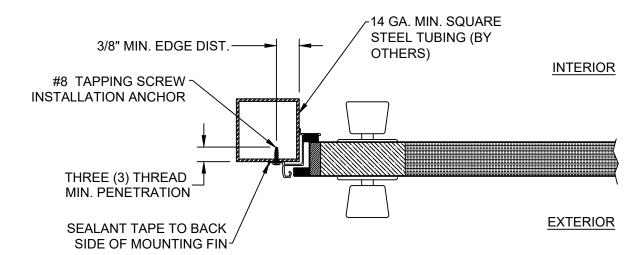




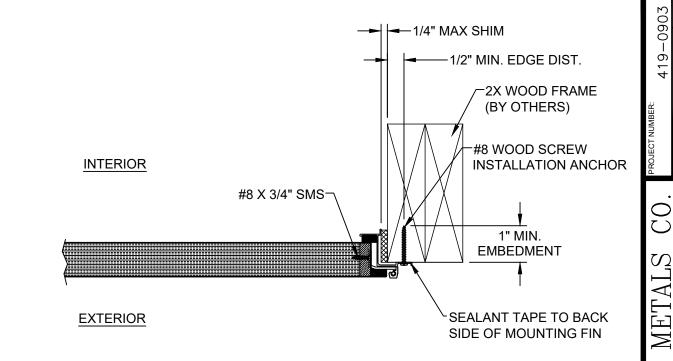
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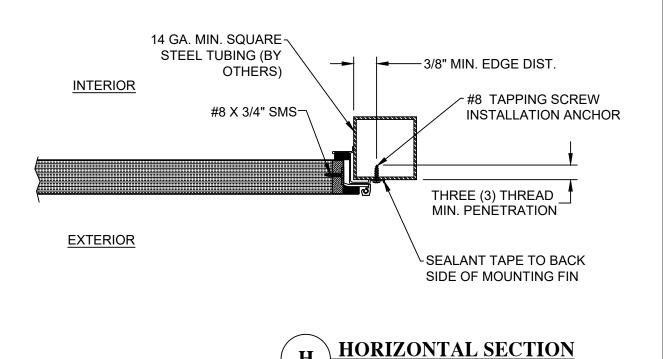






F HORIZONTAL SECTION
WOOD FRAME SUBSTRATE

STEEL TUBING SUBSTRATE



Robert J. Amoruso, P.E. FL P.E. No. 49752

15 POPE DRIVE
AS, GEORGIA 31533

NON-IMPACT OUTSWING
AMINATED STEEL DOOR
AL CROSS SECTIONS

407 N

MODEL 4

DOOR

1215 DOUGLAS, 1/25/21

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