ELIXIR DOOR & METALS CO. **MODEL 430-W9 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-19-168 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- 1b. TESTED TO ASTM E330-14.

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- 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.

VERTICAL CROSS SECTIONS AND GLAZING DETAIL

HORIZONTAL CROSS SECTIONS

- 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 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 SHEET 1 FOR DESIGN PRESSURE CHART.
- 11. IF WATER INFILTRATION REQUIREMENT EXISTS, UNIT

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.
- 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.

I. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE THE CURRENT EDITION				TION OF THE FLORIDA BU	BENEATH AN OVERHANG MEETING ON OF THE FLORIDA BUILDING O RESIDENTIAL VOLUMES. ANCHOR SCHEDULE								
DESIGN PRESSURE RATING (PSF) WHERE WATER INFILTRATION WHERE WATER INFILTRATION		IMPACT RATING	SUBSTRATE	DOOR FRAME TYPE	TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN) (1)	EDGE DISTANCE (IN) (1) (2)	ANCHOR CAPACITIES BASED ON			
REQUIREMENT SEE GENERAL	IS NEEDED	REQUIREMENT IS NOT NEEDED +50 / -50	NONE	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		
TABLE OF CONTENT SHEET DESCRIPTION 1 GENERAL AND INSTALLATION NOTES			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.			
	LLEVATION	I, ANCHORING LAYOUT		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.

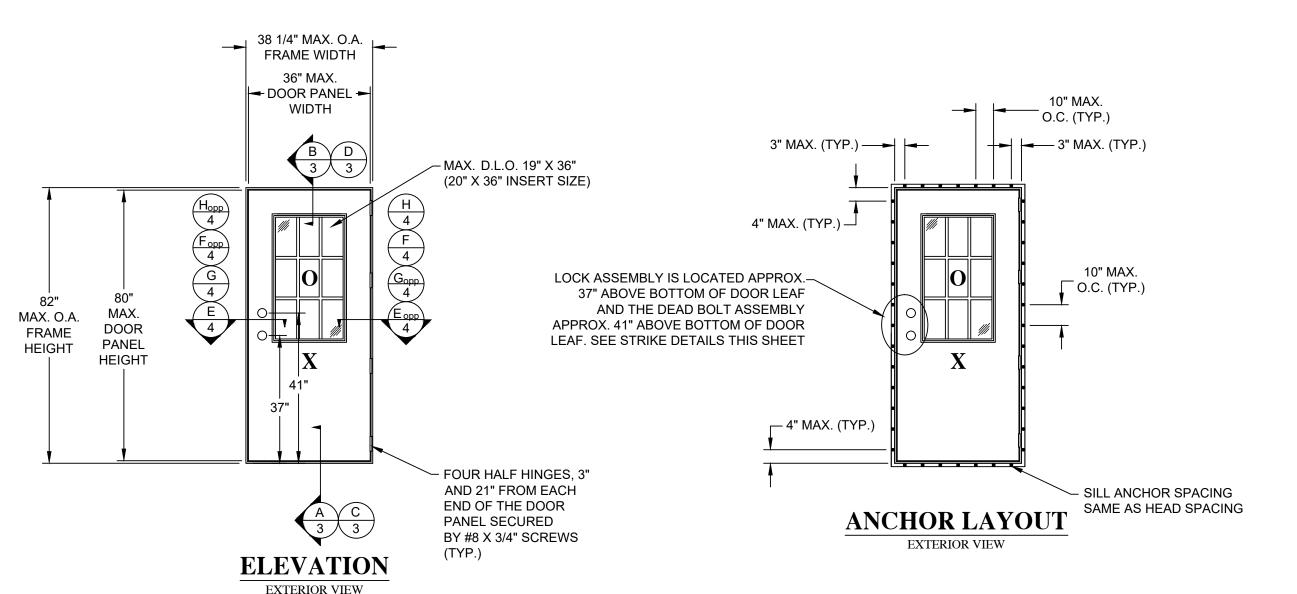
Robert J. Amoruso, P.E. FL P.E. No. 49752

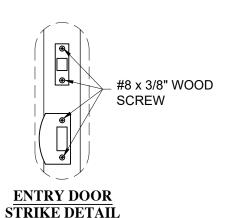
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OUTSWING DOOR

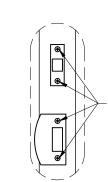
METALS

DRIVE GIA 31





WOOD FRAME SUBSTRATE



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

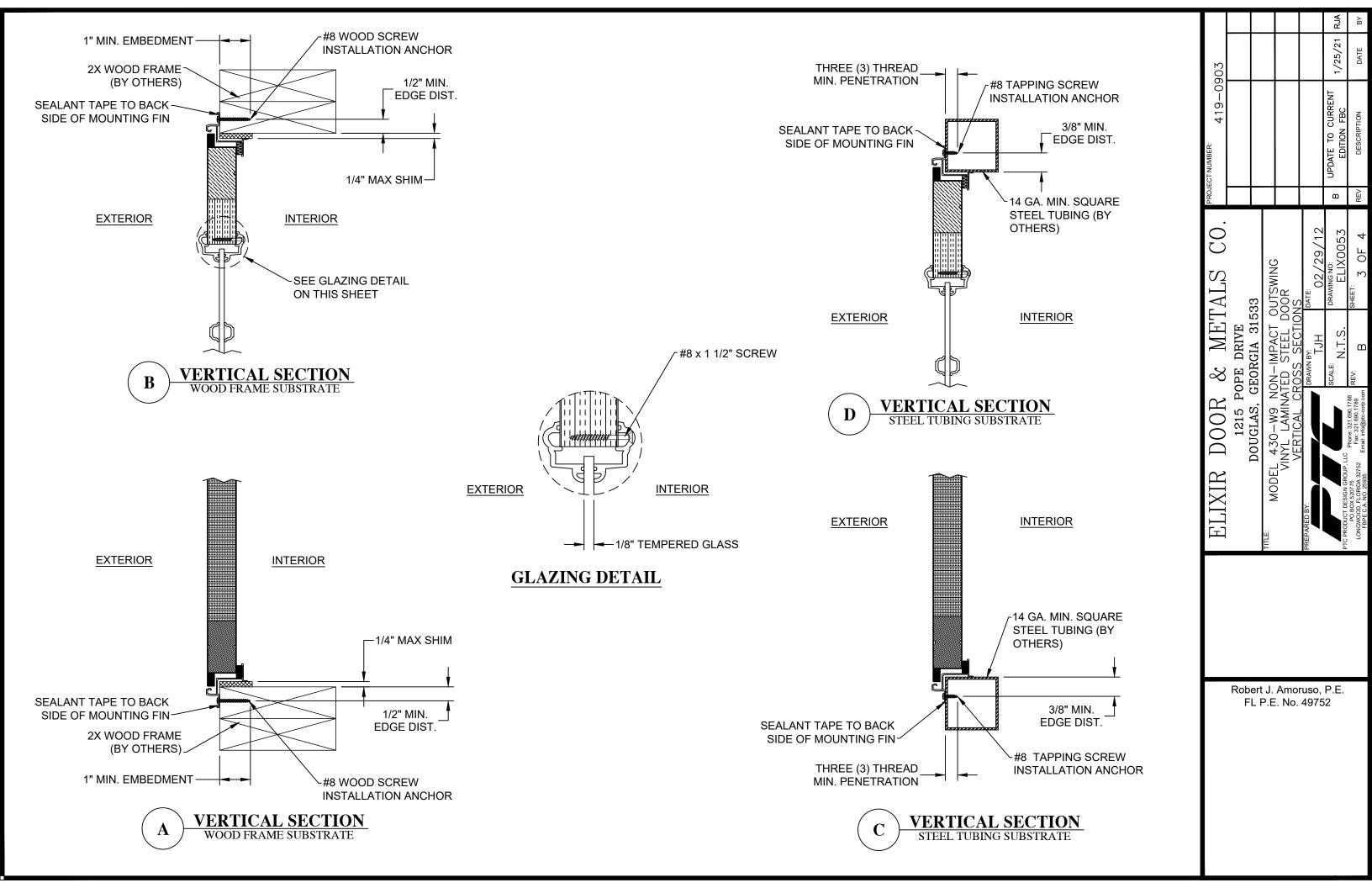
ENTRY DOOR STRIKE DETAIL STEEL TUBING SUBSTRATE

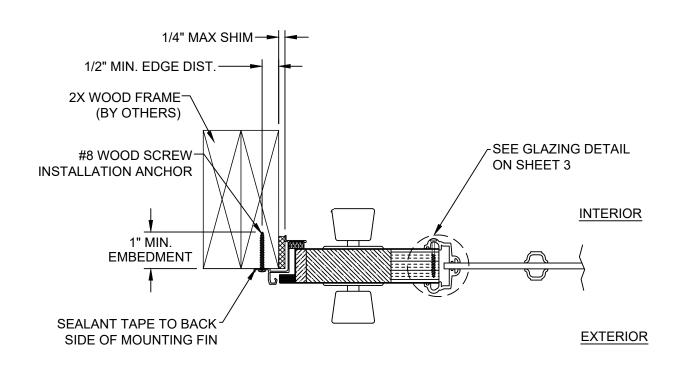
ANCHORING NOTES:

- 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.

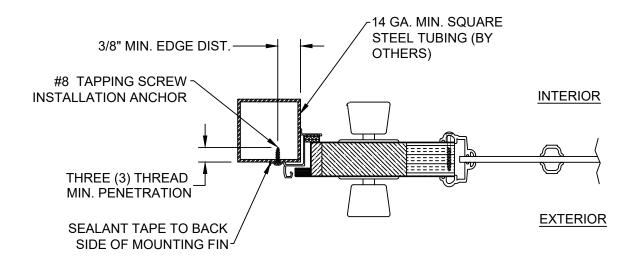
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	ELIXIR DOOR & METALS CO.	1215 POPE DRIVE	DOUGLAS, GEORGIA 31533	TITLE: MODEL 430-WO NON-IMPACT OLITSWING	VINYL LAMINATED STEEL DOOR	ELEVATION AND ANCHOR LAYOUT	DRAWN BY: DA	DR	N.T.S.	Phone: 321.690.1788 REV: SHEET:

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



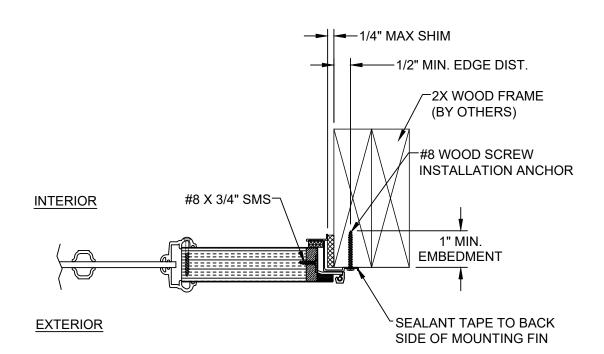




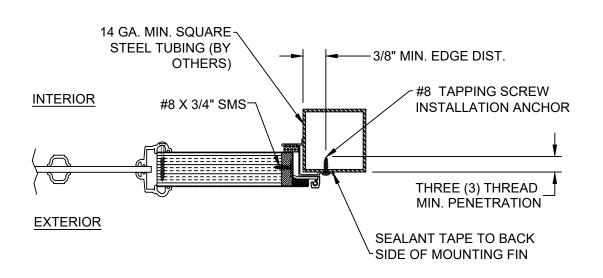


HORIZONTAL SECTION

STEEL TUBING SUBSTRATE







HORIZONTAL SECTION
STEEL TUBING SUBSTRATE

1/25/21 മ 0 5 POPE DRIVE
S, GEORGIA 31533
9 NON-IMPACT OUTSWING
MINATED STEEL DOOR METALS DOOR 1215 DOUGLAS, MODEL 430-V

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