

ELIXIR DOOR & METALS CO.

NON-IMPACT MODEL 230 W9 O.S. DOOR W/ COTTAGE WINDOW

INSTALLATION ANCHORAGE DETAILS

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-19-194 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: STEEL CLAD.

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 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 PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	NONE
SEE GENERAL NOTE 11	±25.3	

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ANCHOR SCHEDULE							
SUBSTRATE	DOOR FRAME TYPE	TYPE	SIZE	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.							

ELIXIR DOOR & METALS CO.

1215 POPE DRIVE

DOUGLAS, GEORGIA 31533

TITLE:NON-IMPACT MODEL 230 W9 O.S. DOOR W/ COTTAGE WINDOW
GENERAL AND INSTALLATION NOTES

PREPARED BY:

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SMC

N.T.S.

B

DRAWN BY:

SCALE:

REV:

DATE:

04/20/10

DRAWING NO:

ELIX0033

SHEET:

1

OF

4

PROJECT #419-0903

UPDATE TO CURRENT FBC EDITION

UPDATE TO THE 5TH ED. (2014) FBC

DESCRIPTION

RJA

1/25/21

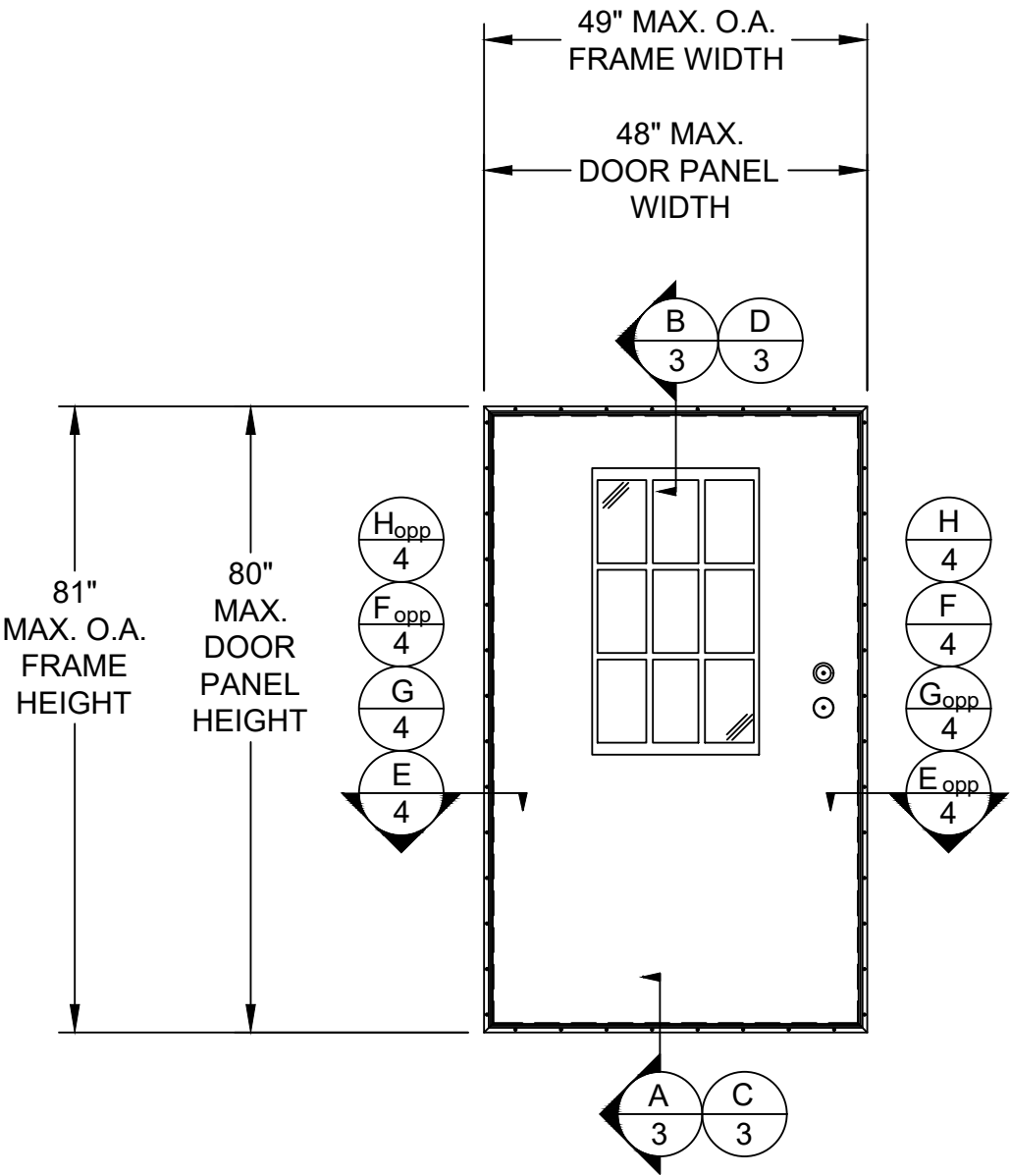
8/3/15

RJA

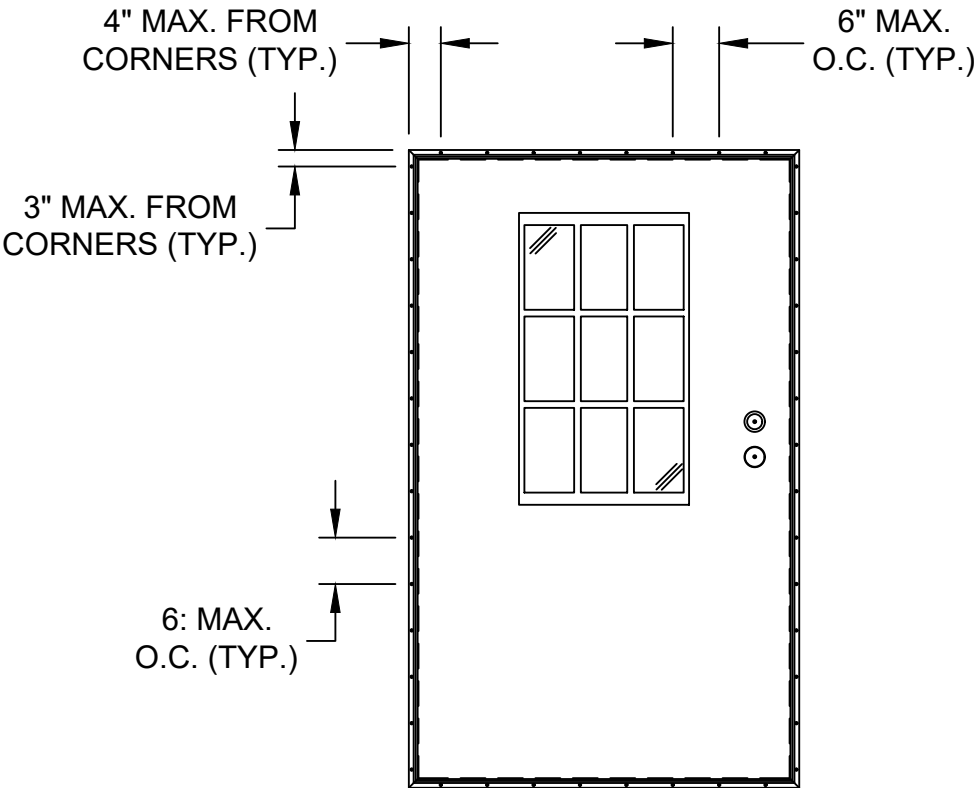
DATE

BY

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



ELEVATION
EXTERIOR VIEW WITH
FIXED WINDOW



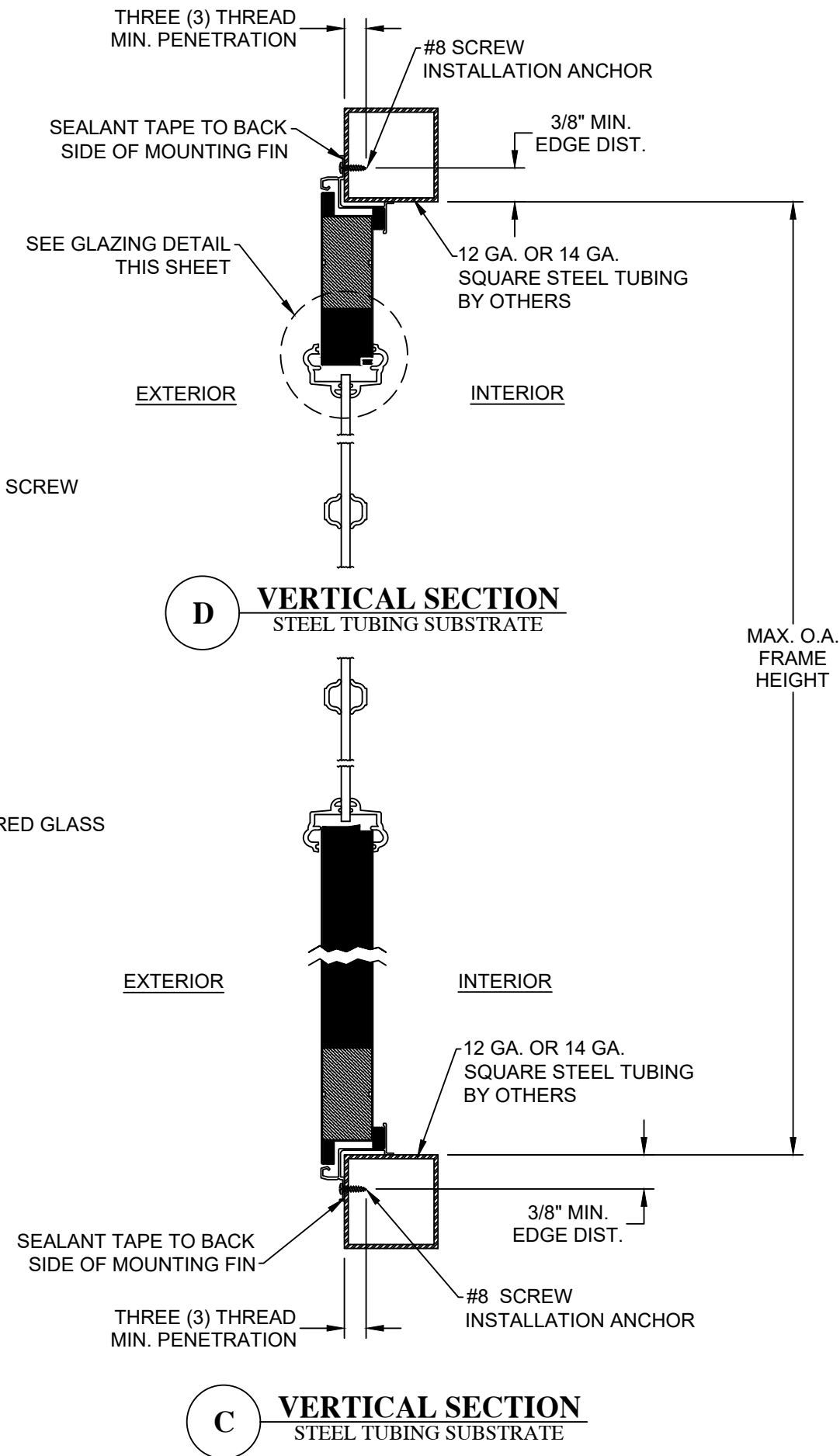
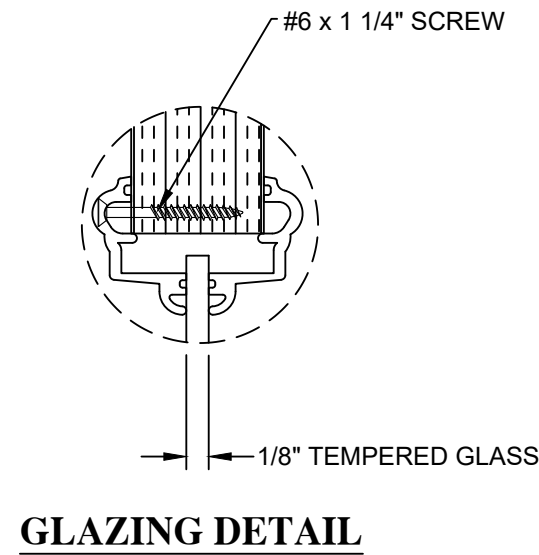
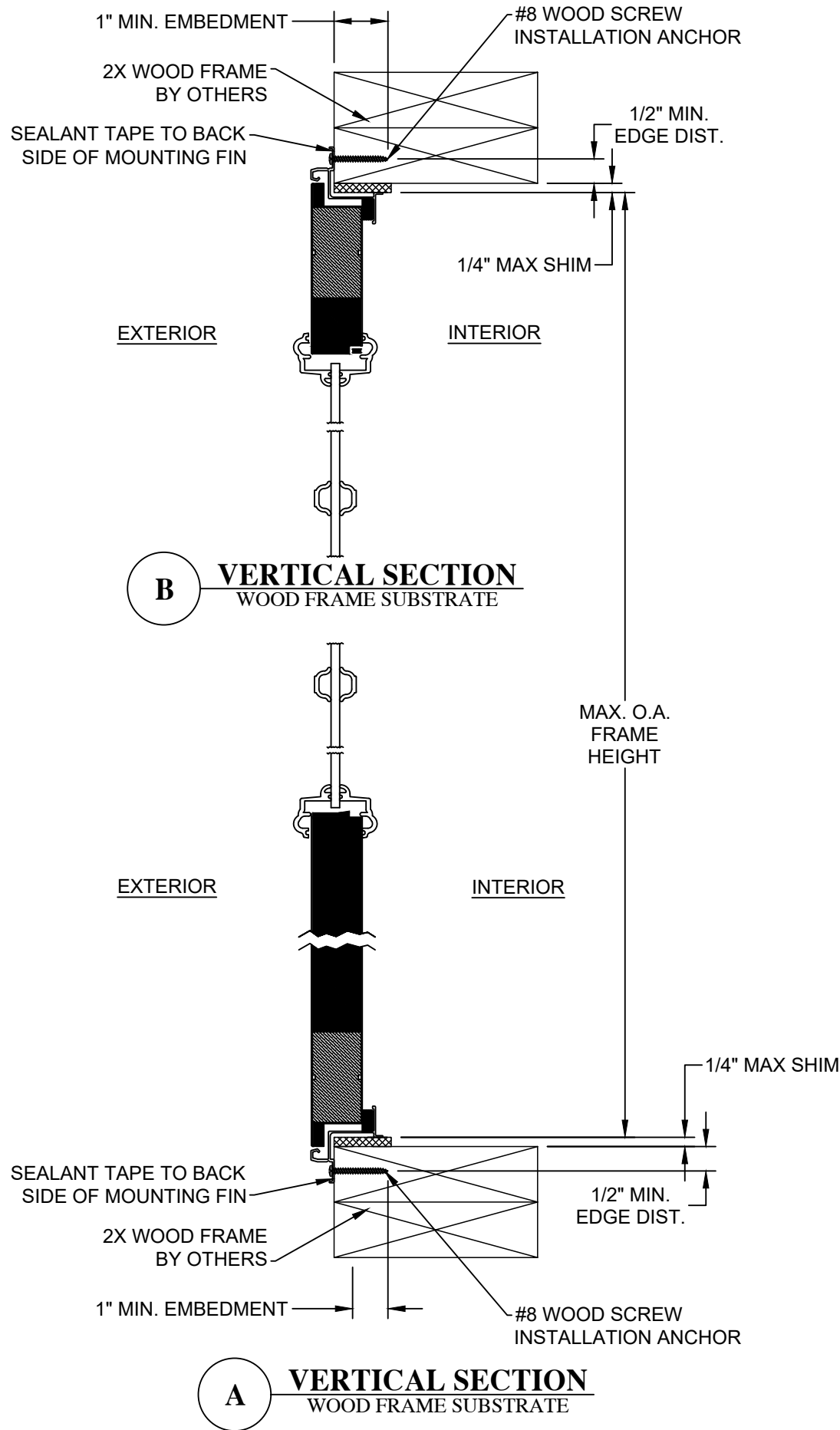
ANCHOR LAYOUT
EXTERIOR VIEW

- NOTE:
1. MINIMUM NUMBER OF ANCHORS IN JAMBS IS 14. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAX. O.C.
 2. MINIMUM NUMBERS OF ANCHORS IN HEAD AND SILL IS 8. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 6" MAX. O.C.

PROJECT #419-0903			
		UPDATE TO CURRENT FBC EDITION	RJA
		UPDATE TO THE 5TH ED. (2014) FBC	RJA
	REV	DESCRIPTION	DATE

ELIXIR DOOR & METALS CO. 1215 POPE DRIVE DOUGLAS, GEORGIA 31533			
TITLE: NON-IMPACT MODEL 230 W9 O.S. DOOR W/ COTTAGE WINDOW ELEVATION & ANCHOR LAYOUT			
PREPARED BY:	DRAWN BY: SMC	DATE: 04/20/10	
	SCALE: N.T.S.	DRAWING NO: ELIX0033	
	REV: B	SHEET: 2 OF 4	
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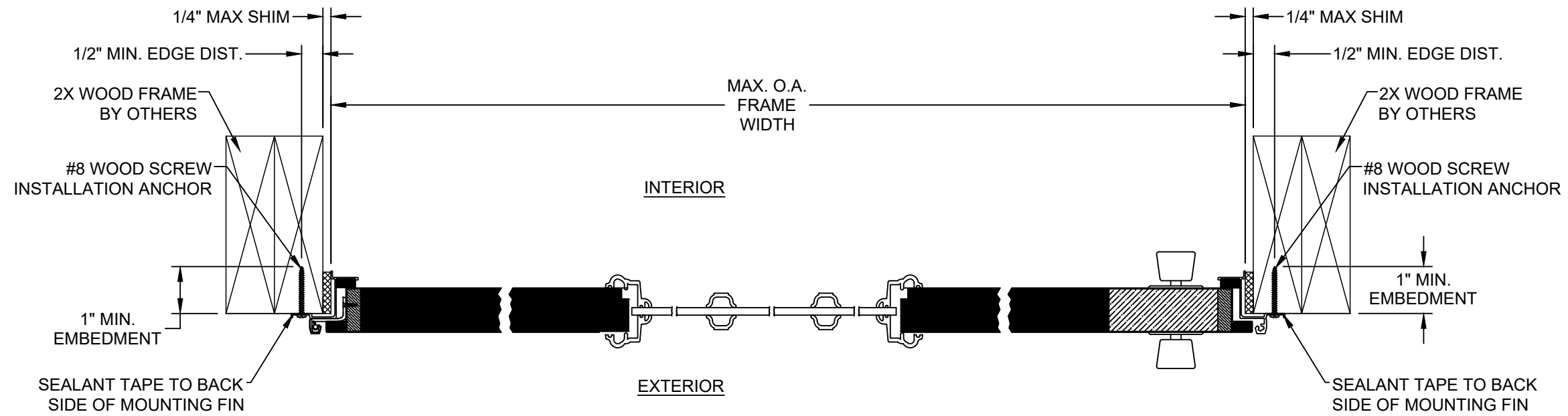
PROJECT #419-0903

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1215 POPE DRIVE
DOUGLAS, GEORGIA 31533

NON-IMPACT MODEL 230 W9 O.S. DOOR W/ COTTAGE WINDOW
VERTICAL SECTIONS & GLAZING DETAIL

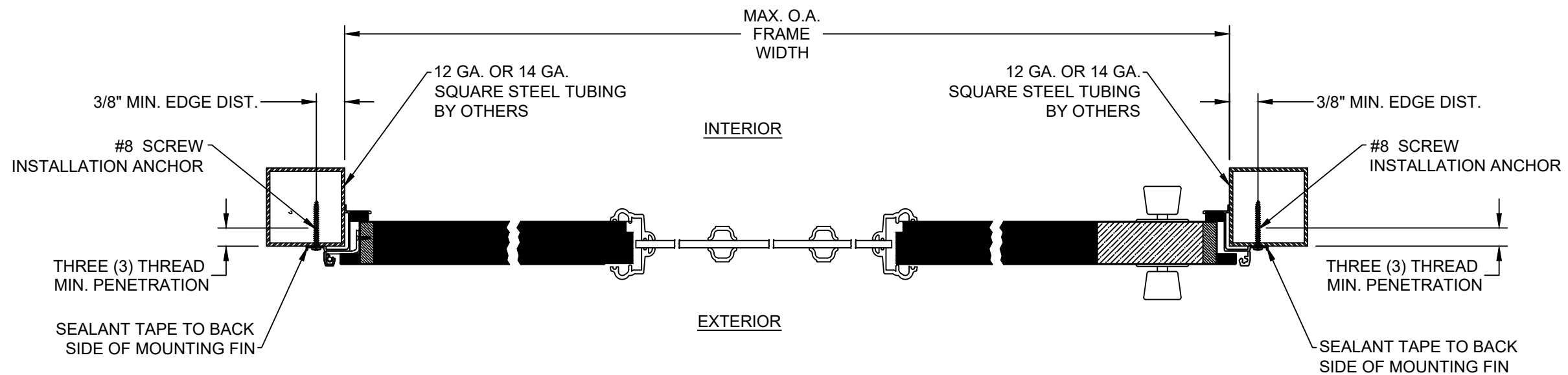
PREPARED BY:	DRAWN BY:	DATE:	REV:	SHEET:
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E **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE

F **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE



G **HORIZONTAL SECTION**
STEEL TUBING SUBSTRATE

H **HORIZONTAL SECTION**
STEEL TUBING SUBSTRATE

PROJECT #419-0903

REV	DESCRIPTION	DATE	BY
B	UPDATE TO CURRENT FBC EDITION	1/25/21	RJA
A	UPDATE TO THE 5TH ED. (2014) FBC	8/3/15	RJA

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DRAWN BY:	SMC
SCALE:	N.T.S.
DRAWING NO:	ELIX0033
REV:	B
SHEET:	4 OF 4

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