

ELIXIR DOOR & METALS CO.

MODEL 8400-W9 NON-IMPACT OVAL INSWING

VINYL LAMINATED STEEL DOOR W/STORM 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), BUILDING AND RESIDENTIAL VOLUMES 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-19-197 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. STORM DOOR FRAME MATERIAL: ALUMINUM ALLOY 6063-T6 ENTRY DOOR FRAME: PVC (VINYL). DOOR PANEL MATERIAL: 9 MIL VINYL LAMINATED GALVANIZED STEEL 0.015" SKIN W/ URETHANE FOAM CORE

7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

8. DESIGNATIONS "X" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL

9. HARDWARE:

A. DOOR HINGES: ZINC STORM DOOR HINGES: 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.

6.1 FOR CONCRETE FLOOR/PORCH THRESHOLD/SILL INSTALLATIONS USE $\frac{3}{16}$ " DIAMETER ITW TAPCONS WITH MINIMUM EMBEDMENT OF 1" AND MINIMUM EDGE DISTANCE OF 2".

7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

ANCHOR SCHEDULE							
SUBSTRATE	STORM 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							
SUBSTRATE	ENTRY 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	THRU-FRAME	FLAT 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	THRU-FRAME	FLAT HEAD	NO. 8	ANSI B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	1"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
NOTES: 1) FOR WOOD OR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.102" PILOT HOLE (DRILL SIZE 38). 2) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE							

PROJECT NUMBER: 419-0903

ELIXIR DOOR & METALS CO.

1215 POPE DRIVE

DOUGLAS, GEORGIA 31533

TITLE: MODEL 8400-W9 NON-IMPACT OVAL INSWING STEEL DOOR W/STORM DOOR GENERAL AND INSTALLATION NOTES

PREPARED BY:

DATE: 02/29/12

DRAWING NO: ELIX0057

SHEET: 1 OF 4

DRAWN BY: TJH

SCALE: N.T.S.

REV: B

PTC PRODUCT DESIGN GROUP, LLC

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UPDATE TO CURRENT EDITION FBC

1/25/21

RJA

DATE

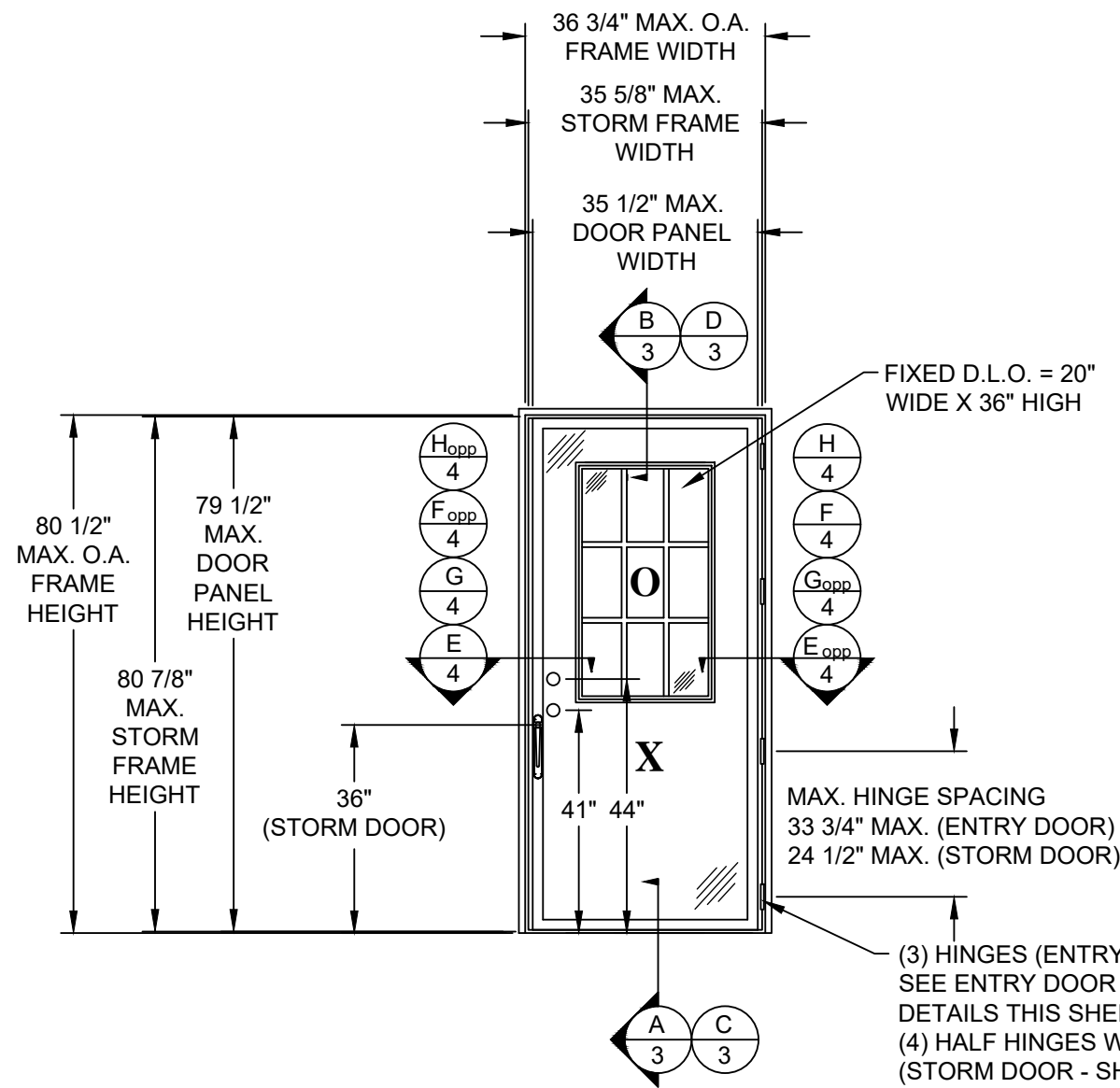
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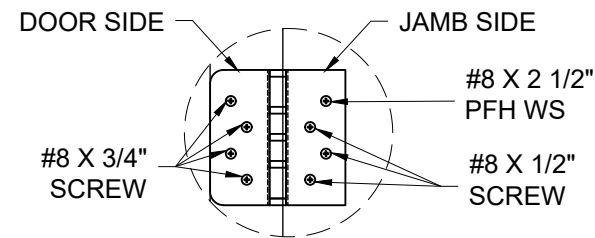
REV

Robert J. Amoruso, P.E.

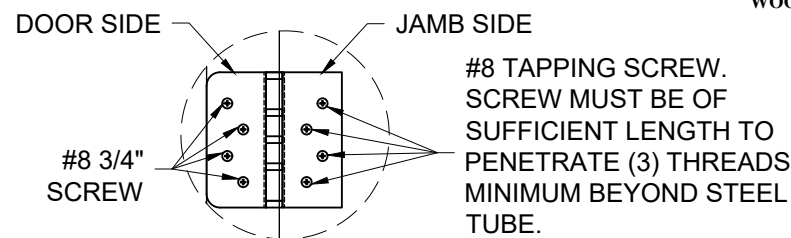
FL P.E. No. 49752



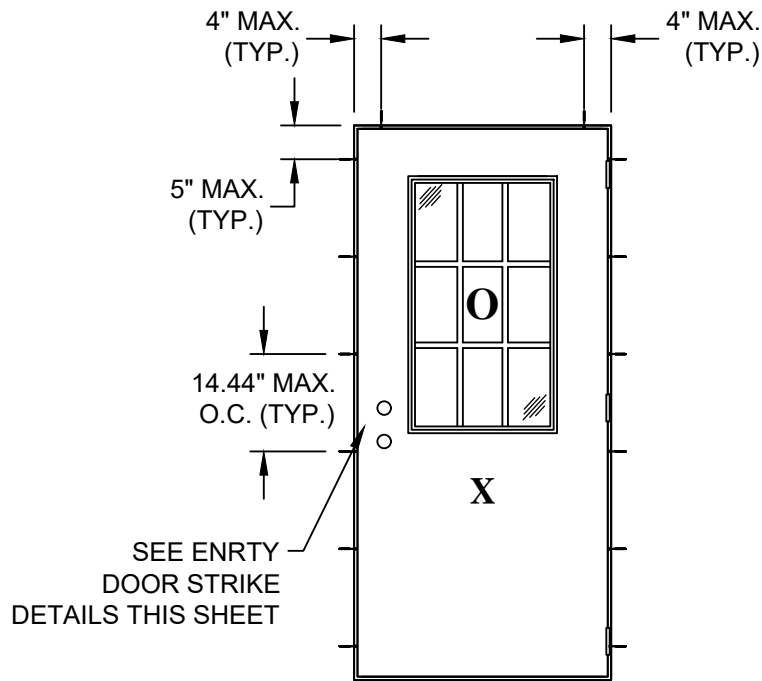
ELEVATION
EXTERIOR VIEW



**ENTRY DOOR
HINGE DETAIL**
WOOD FRAME SUBSTRATE

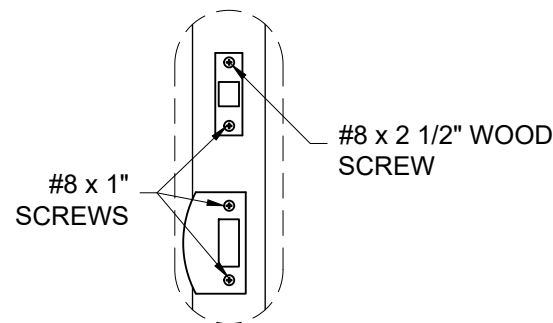


**ENTRY DOOR
HINGE DETAIL**
STEEL TUBING SUBSTRATE

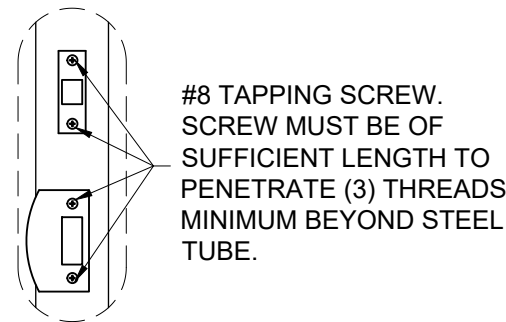


**ENTRANCE DOOR
ANCHOR LAYOUT**

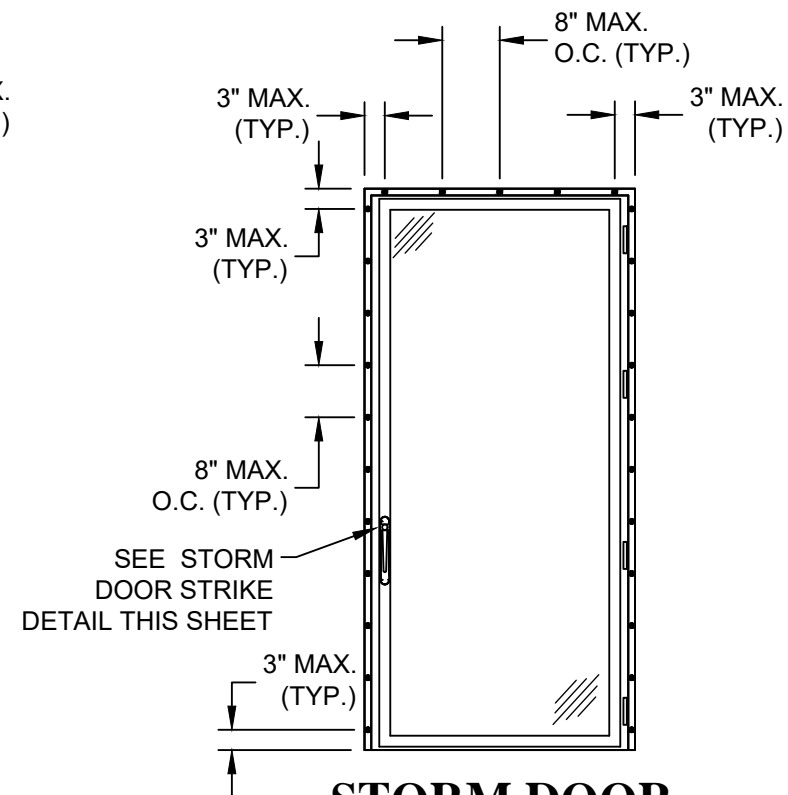
EXTERIOR VIEW
STORM DOOR NOT SHOWN FOR CLARITY



**ENTRY DOOR
STRIKE DETAIL**
WOOD FRAME SUBSTRATE

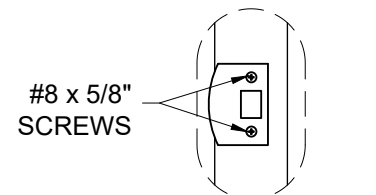


**ENTRY DOOR
STRIKE DETAIL**
STEEL TUBING SUBSTRATE



**STORM DOOR
ANCHOR LAYOUT**

EXTERIOR VIEW
ENTRANCE DOOR NOT SHOWN FOR CLARITY



**STORM DOOR
STRIKE DETAIL**

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

TITLE: MODEL 8400-W9 NON-IMPACT OVAL INSWING
STEEL DOOR W/STORM DOOR
ELEVATION AND ANCHOR LAYOUT

PREPARED BY: TJH
SCALE: N.T.S.
REV: B
DATE: 02/29/12
DRAWING NO: ELIX0057
SHEET: 2 OF 4

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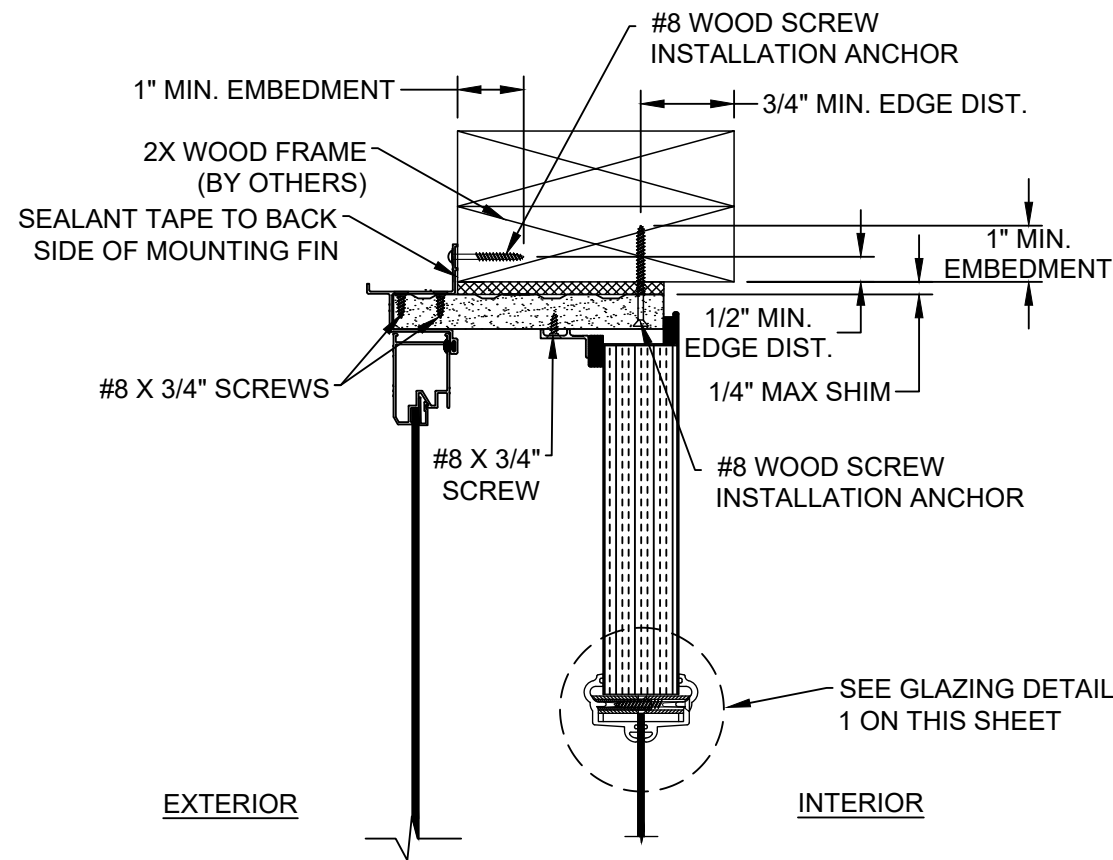
Robert J. Amoruso, P.E.
FL P.E. No. 49752

UPDATE TO CURRENT
EDITION FBC

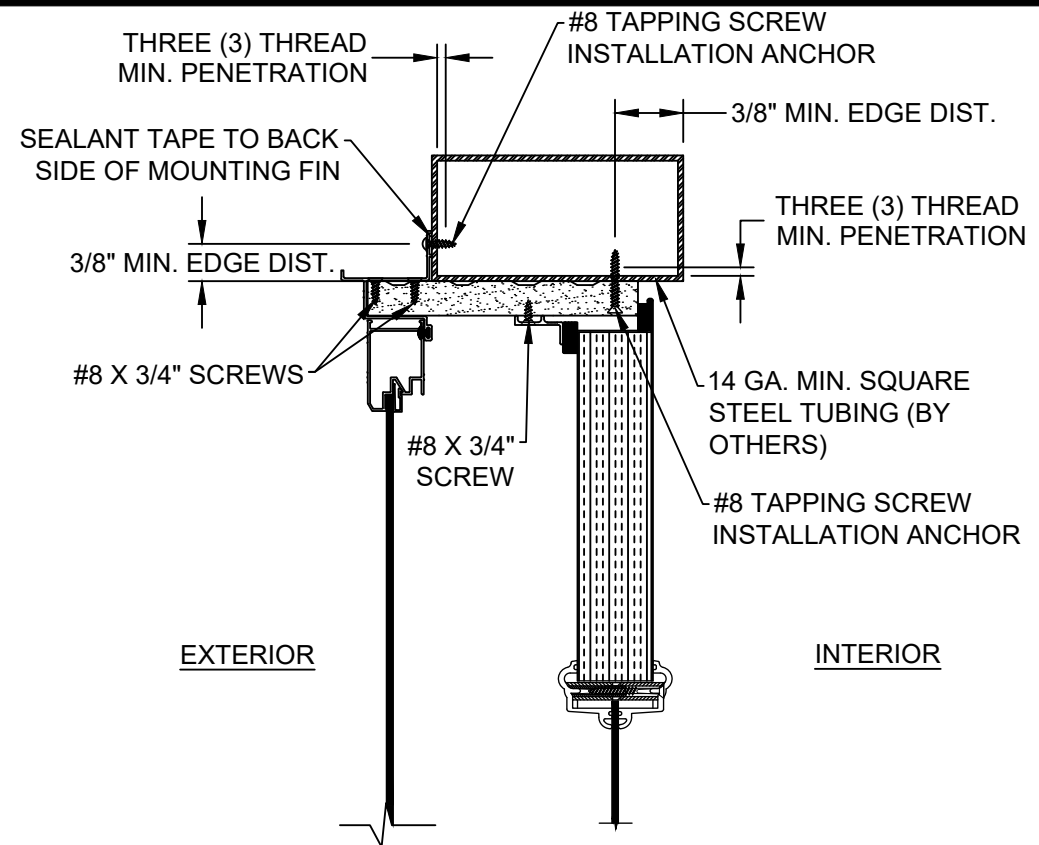
1/25/21
R/A

DESCRIPTION
DATE

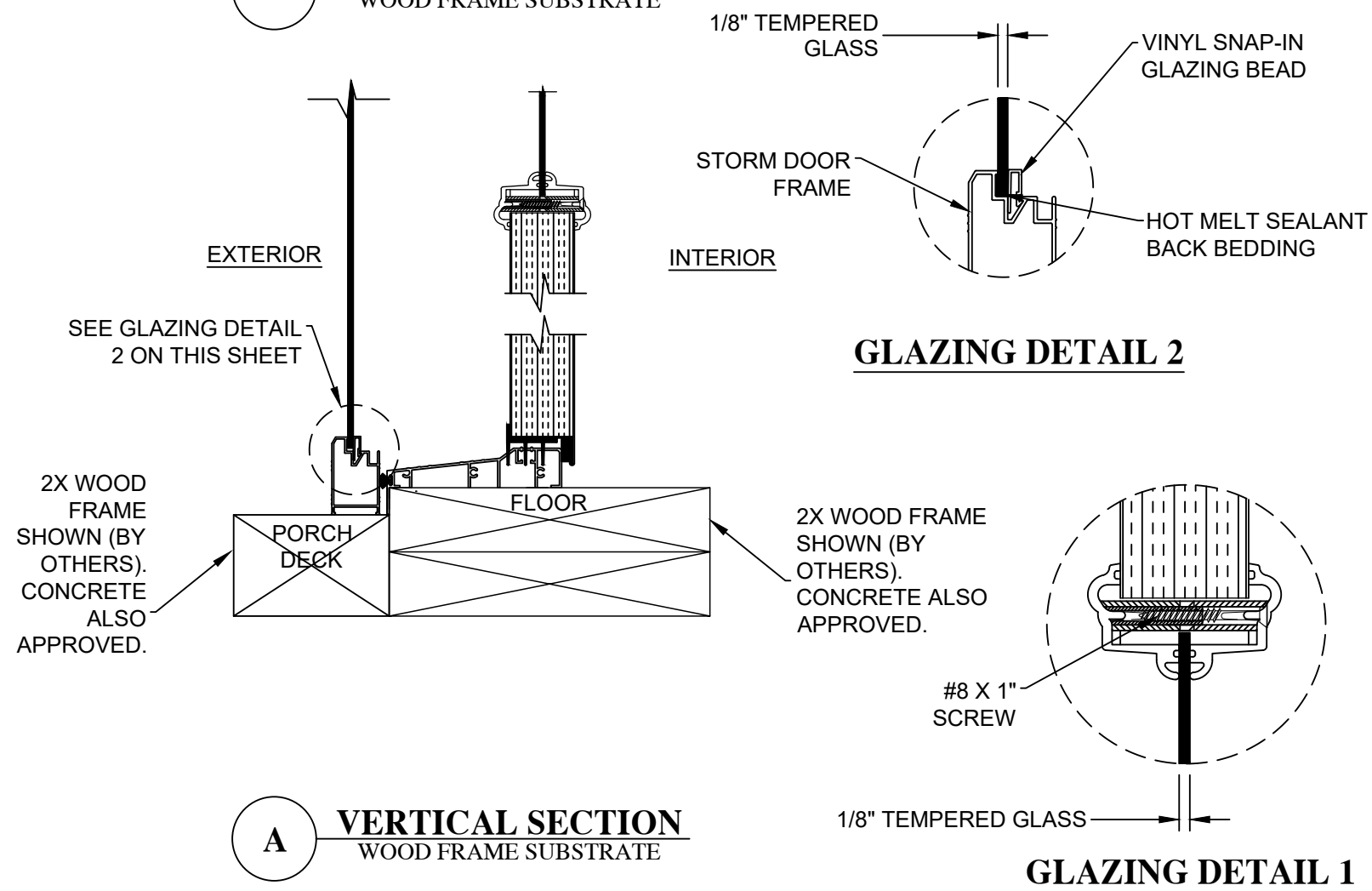
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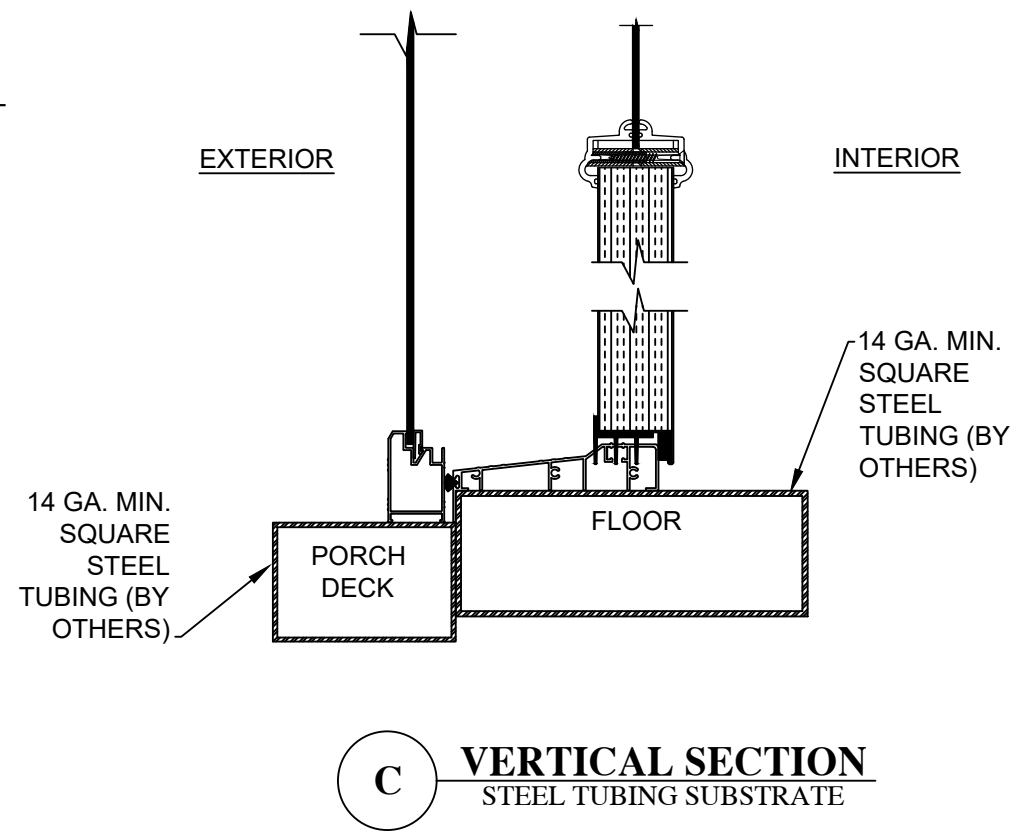
B **VERTICAL SECTION**
WOOD FRAME SUBSTRATE



D **VERTICAL SECTION**
STEEL TUBING SUBSTRATE



A **VERTICAL SECTION**
WOOD FRAME SUBSTRATE



C **VERTICAL SECTION**
STEEL TUBING SUBSTRATE

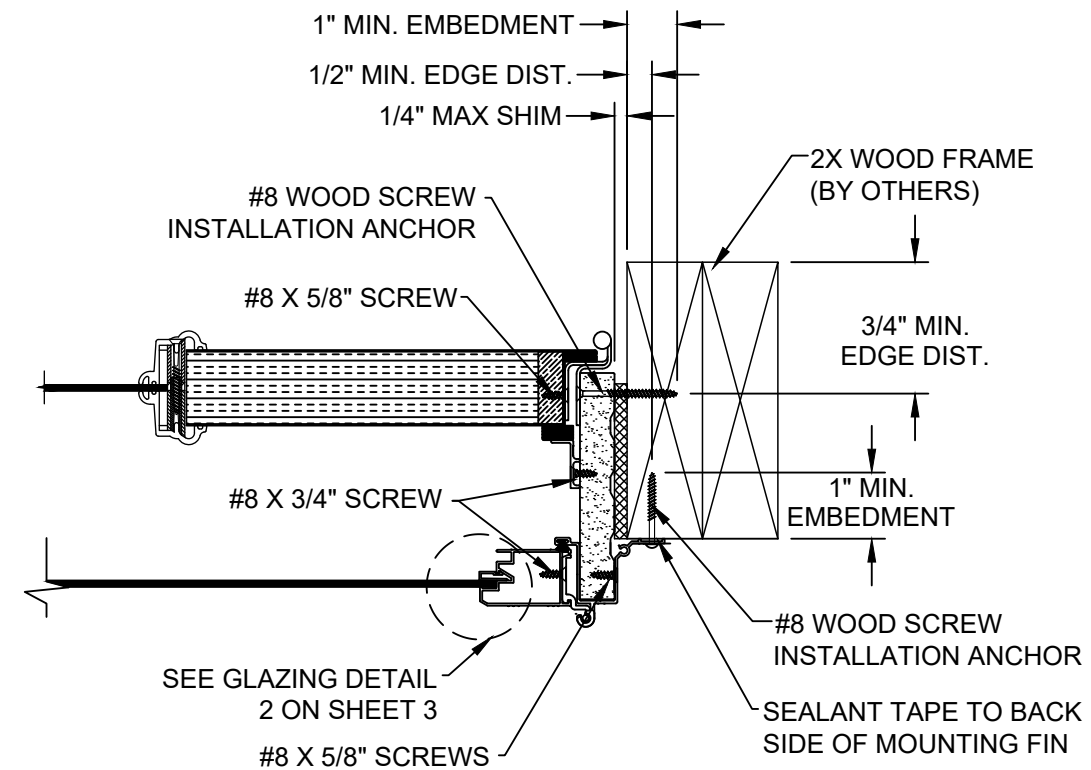
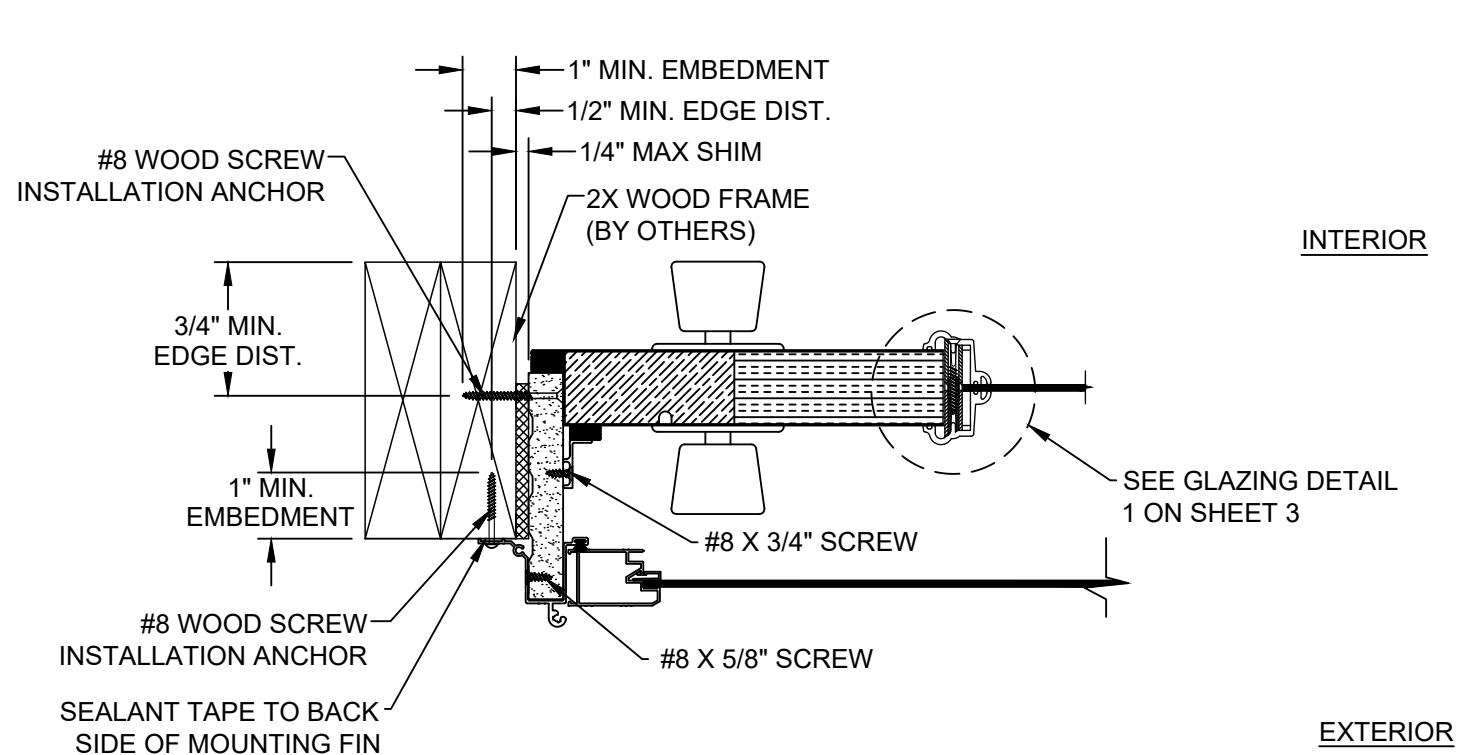
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1215 POPE DRIVE
DOUGLAS, GEORGIA 31533

TITLE: MODEL 8400-W9 NON-IMPACT OVAL INSWING
STEEL DOOR W/STORM DOOR
VERTICAL CROSS SECTIONS AND GLAZING DETAIL

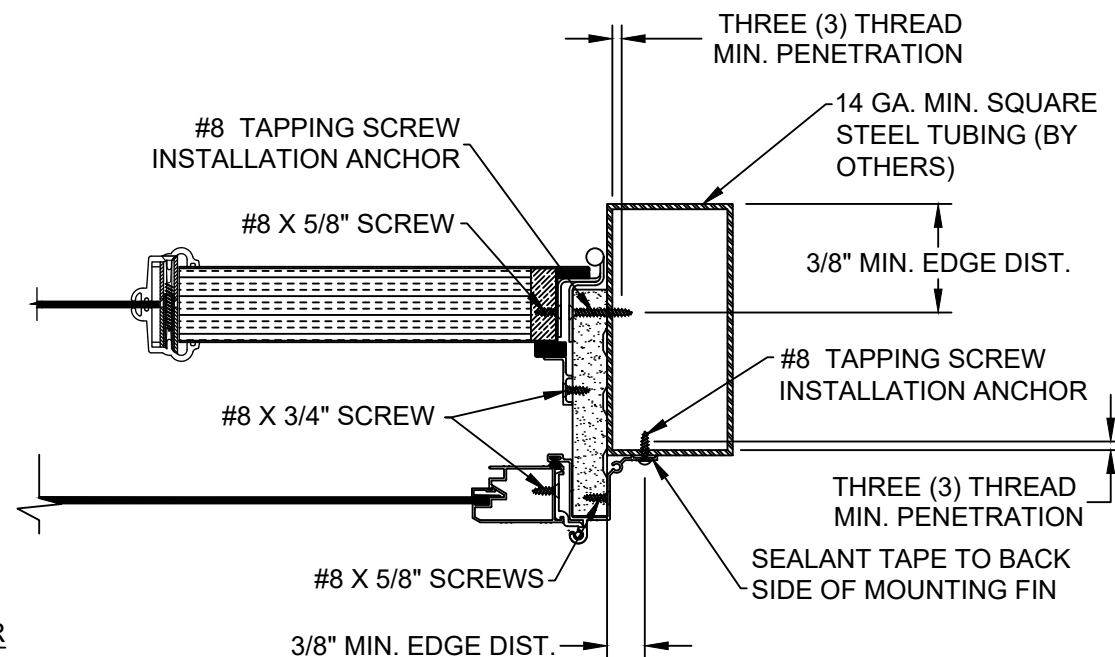
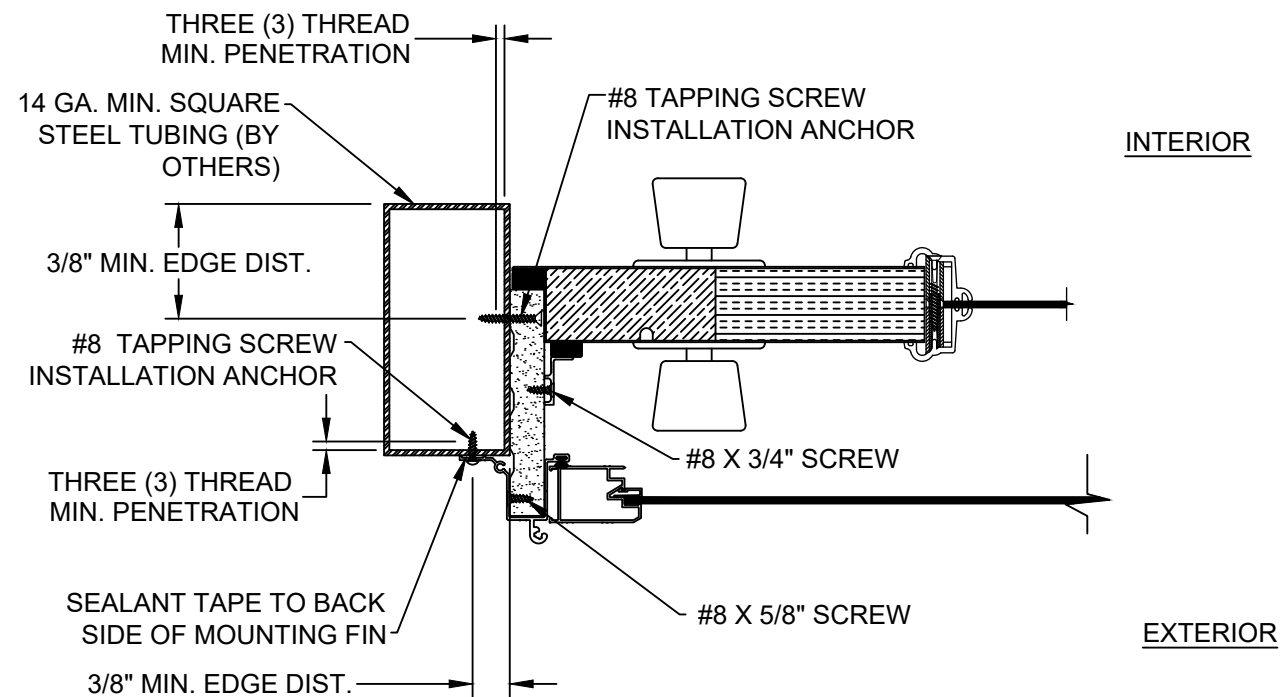
PREPARED BY: TJH
DATE: 02/29/12
SCALE: N.T.S.
DRAWING NO: ELIX0057
REV: B
SHEET: 3 OF 4

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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

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1215 POPE DRIVE
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TITLE: MODEL 8400-W9 NON-IMPACT OVAL INSWING
STEEL DOOR W/STORM DOOR
HORIZONTAL CROSS SECTIONS

PREPARED BY: TJH
DATE: 02/29/12
SCALE: N.T.S.
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REV: B
SHEET: 4 OF 4

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