

ELIXIR DOOR & METALS CO.

MODEL 9400-W9 NON-IMPACT 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-19-199 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.

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	NONE
SEE GENERAL NOTE 11	+50 / -50	

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PROJECT NUMBER:	419-0903						
					UPDATE TO CURRENT EDITION	FBC	1/25/21
							REV
						DESCRIPTION	DATE
							BY

ELIXIR DOOR & METALS CO.

1215 POPE DRIVE
DOUGLAS, GEORGIA 31533

TITLE:

MODEL 9400-W9 NON-IMPACT INSWING STEEL DOOR W/STORM DOOR GENERAL AND INSTALLATION NOTES

PREPARED BY:

DRAWN BY: TJH

DATE: 02/29/12

SCALE: N.T.S.

DRAWING NO: ELIX0059

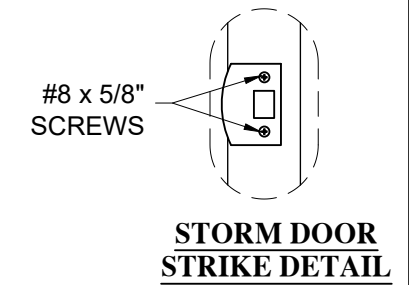
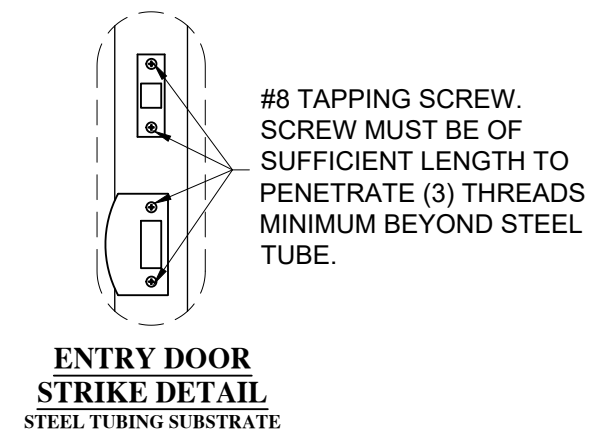
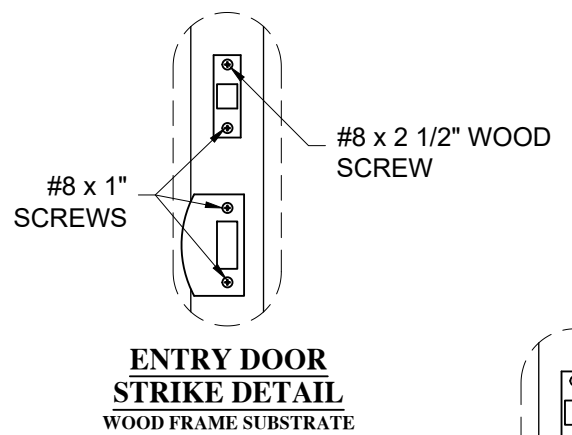
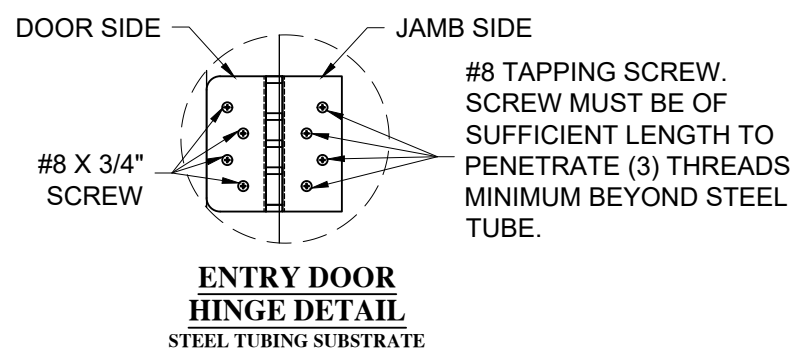
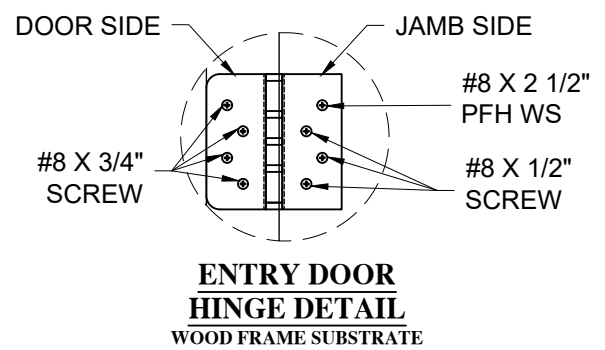
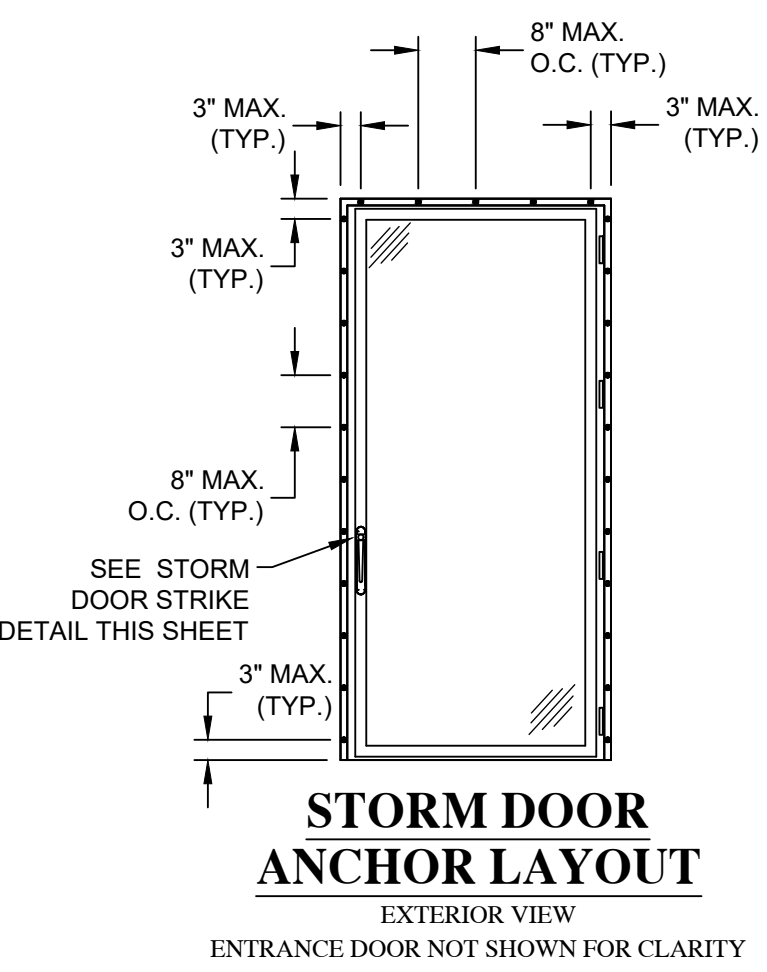
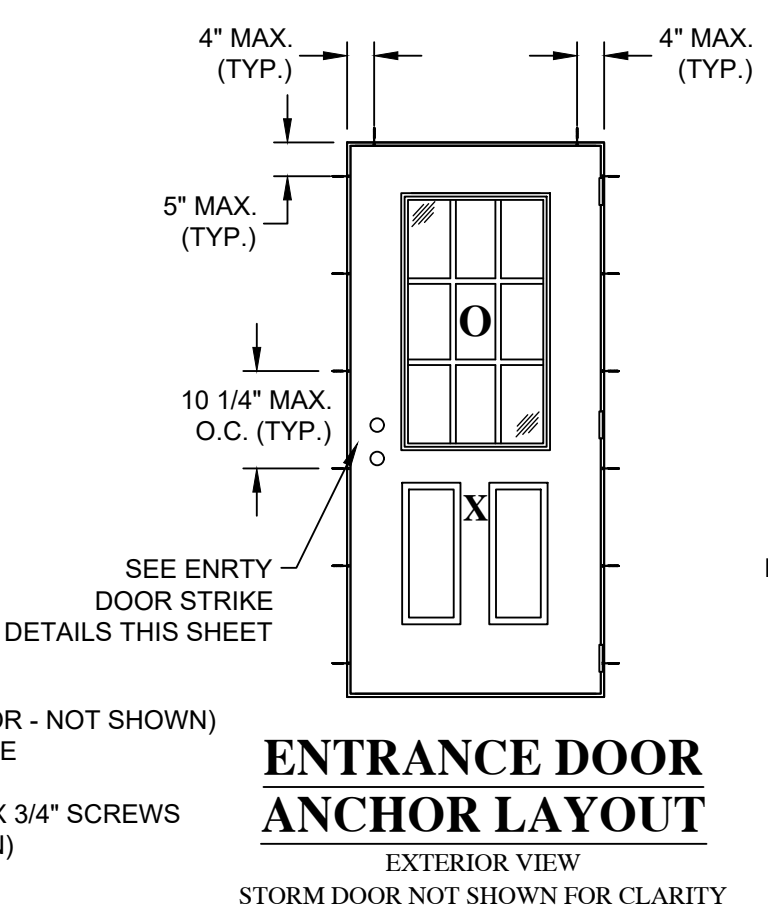
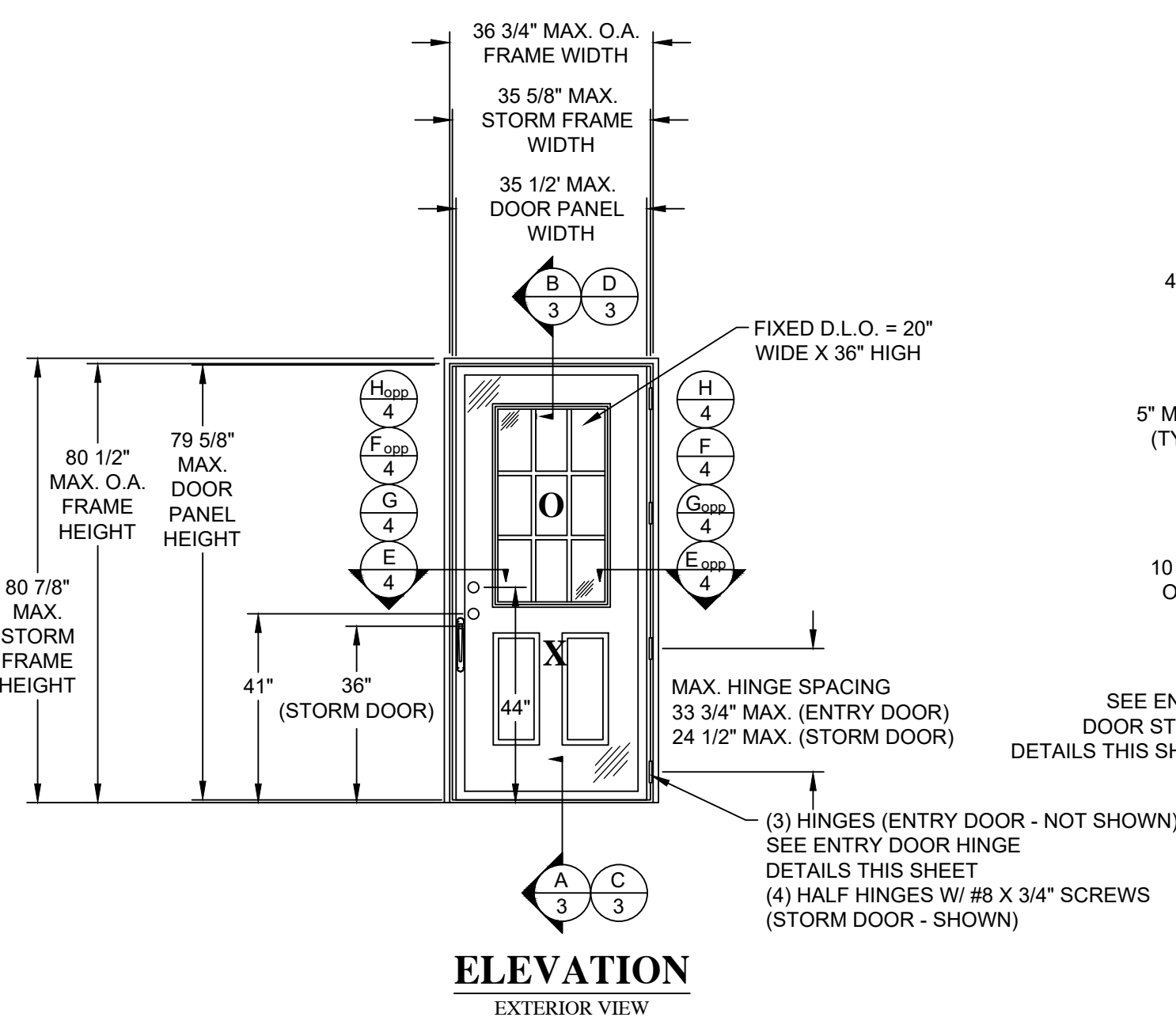
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SHEET: 1 OF 4

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PROJECT NUMBER: 419-0903		DATE		BY
		1/25/21		RJA
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		B		2 OF 4

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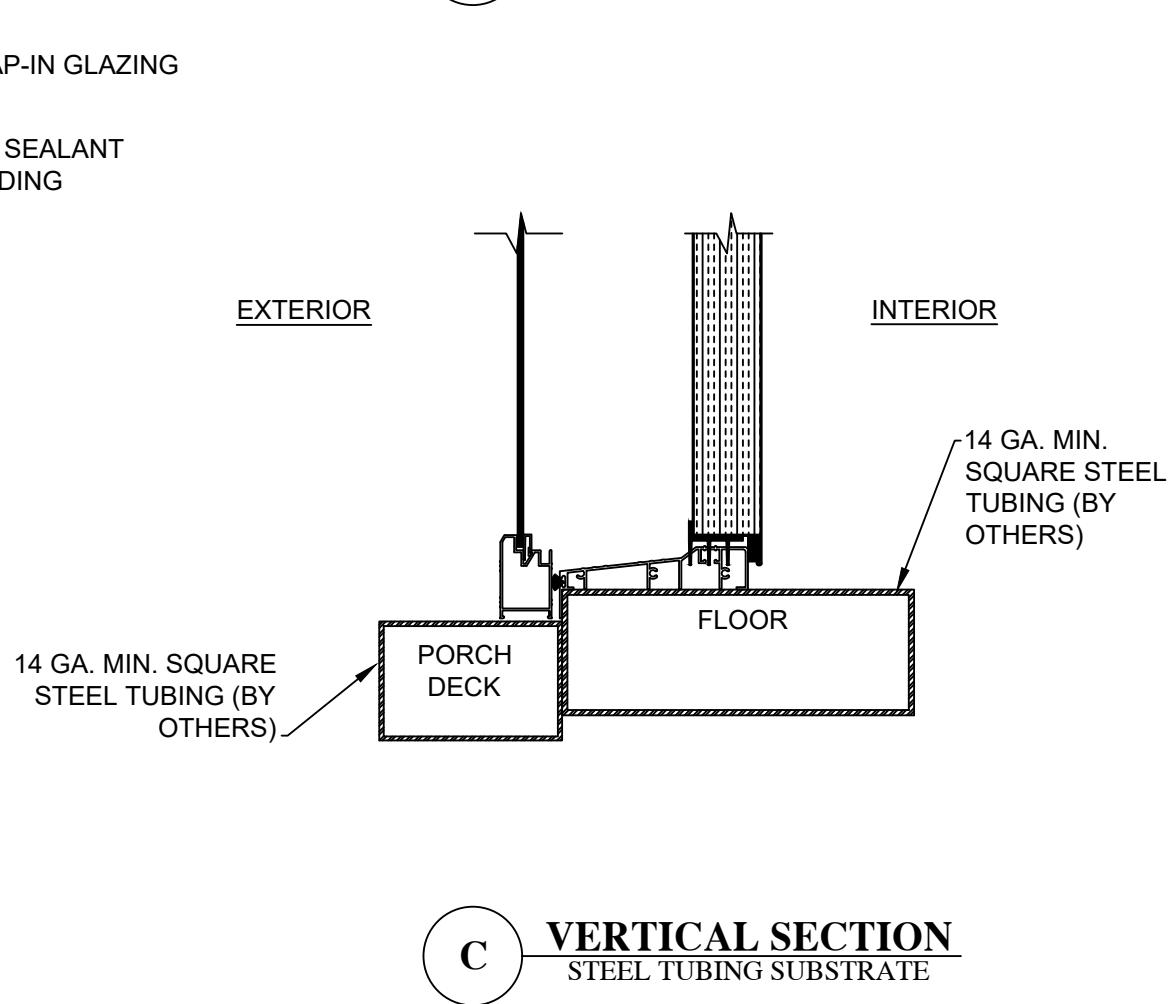
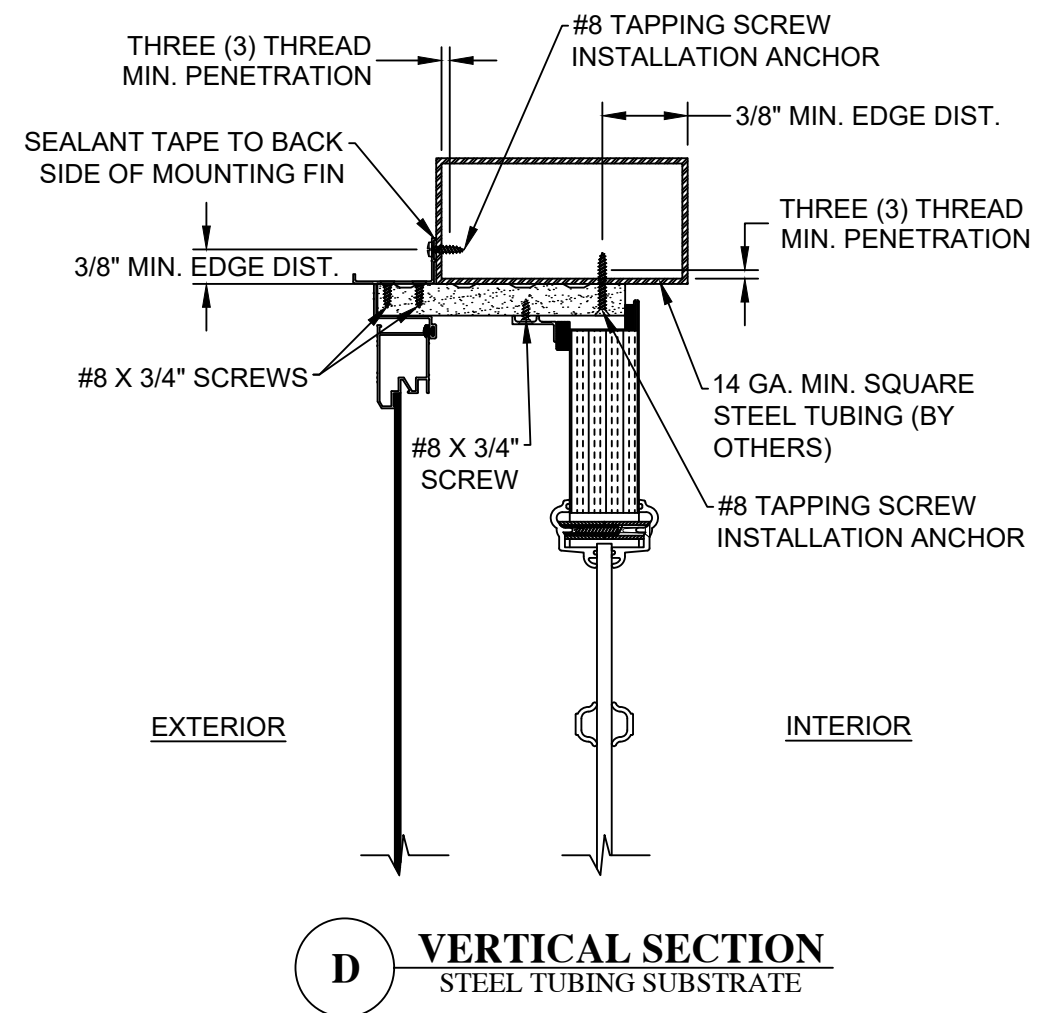
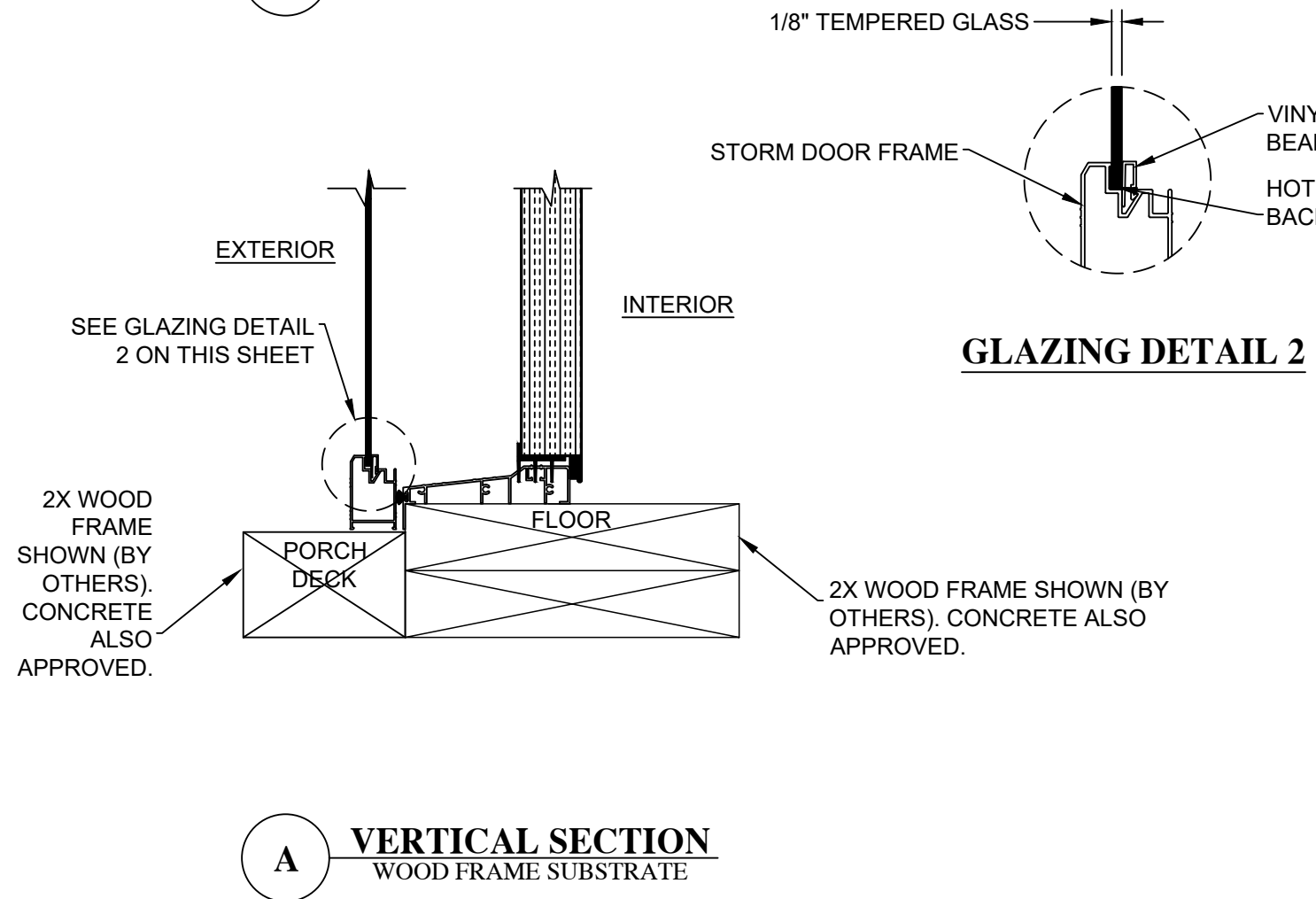
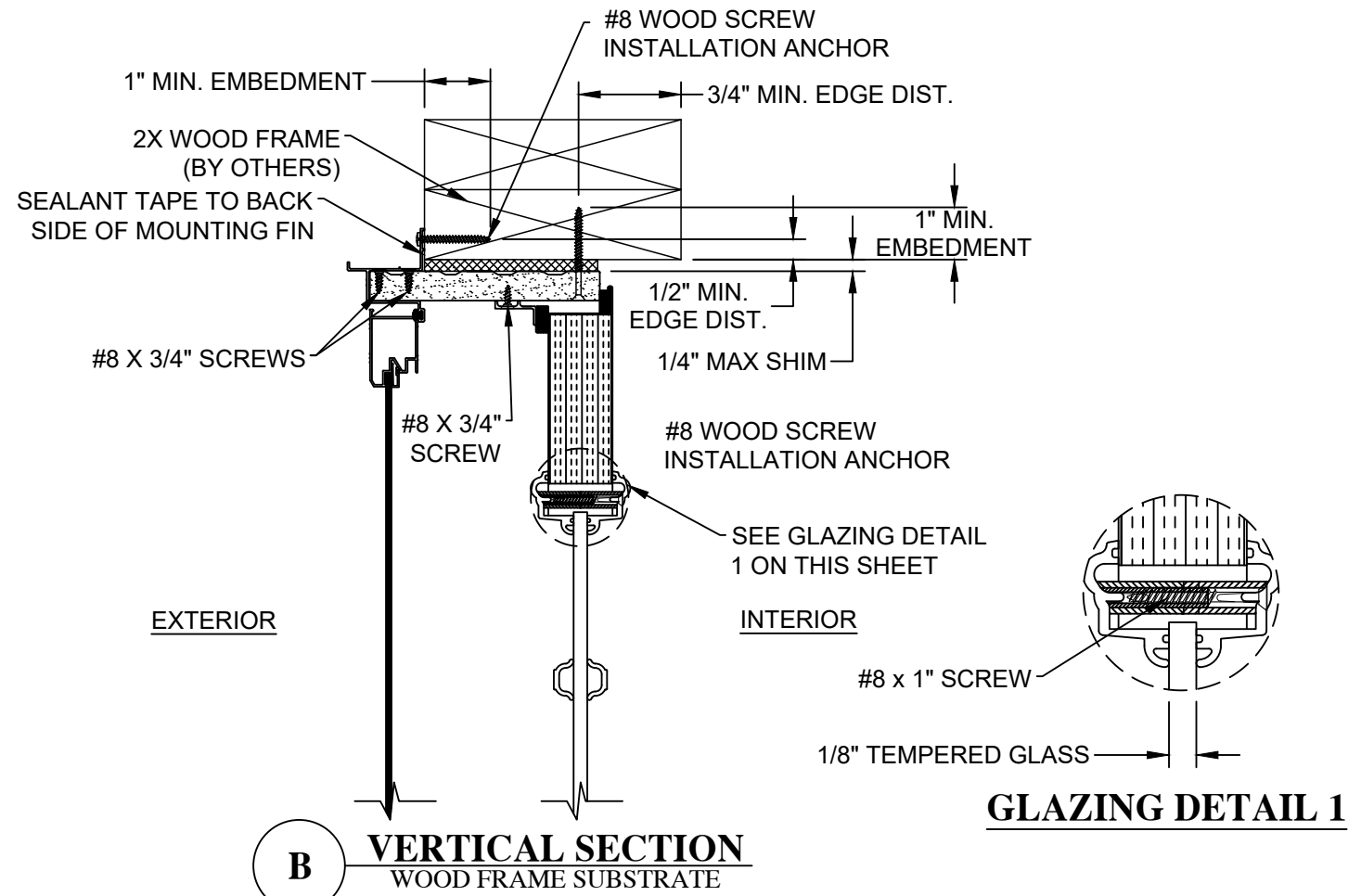
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PREPARED BY: TJH
SCALE: N.T.S.
REV: B

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SHEET: 2 OF 4

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		B		REV	
		3		OF 4	

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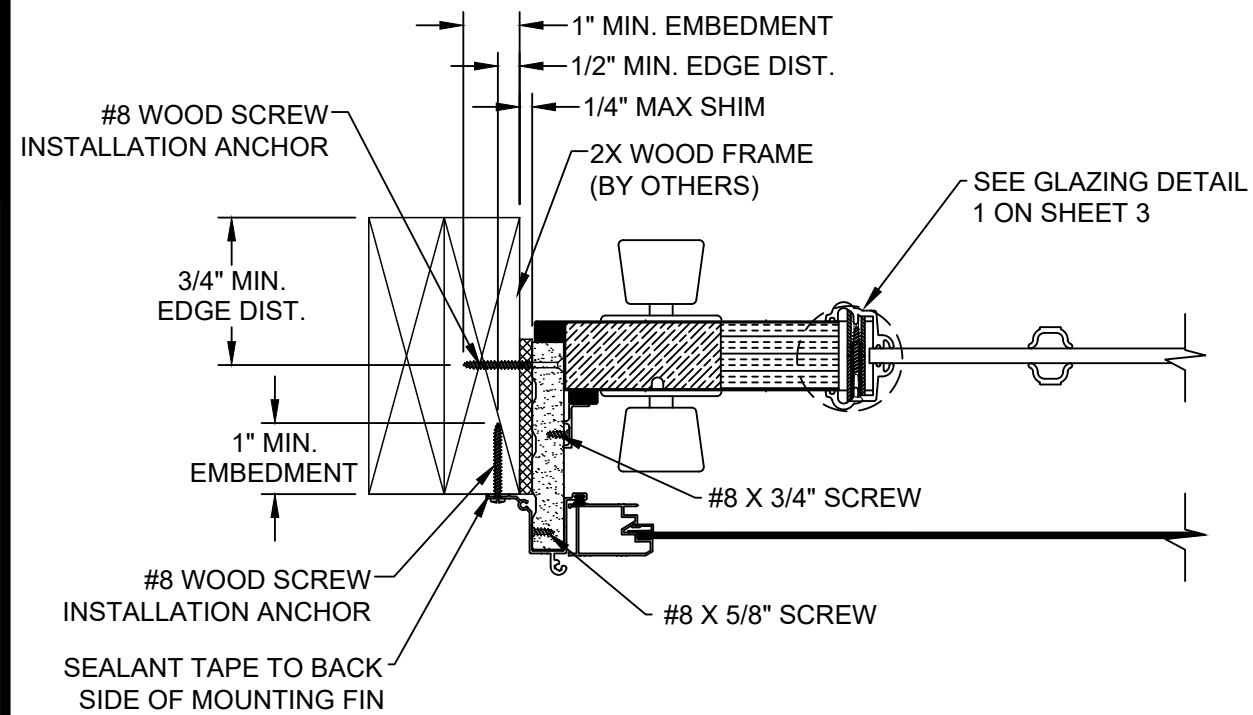
TITLE: MODEL 9400-W9 NON-IMPACT INSWING VINYL LAMINATED STEEL DOOR W/STORM DOOR SECTIONS AND GLAZING DETAIL

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SCALE: N.T.S.
REV: B

DATE: 02/29/12
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SHEET: 3 OF 4

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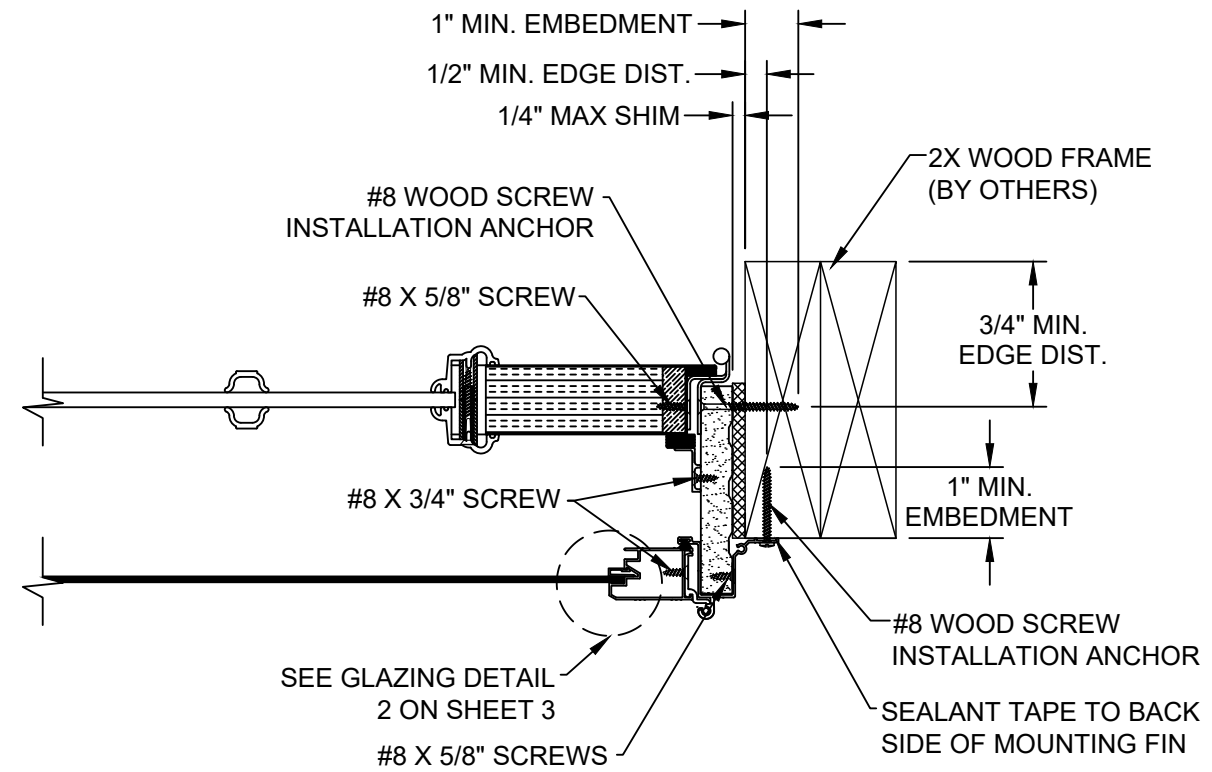
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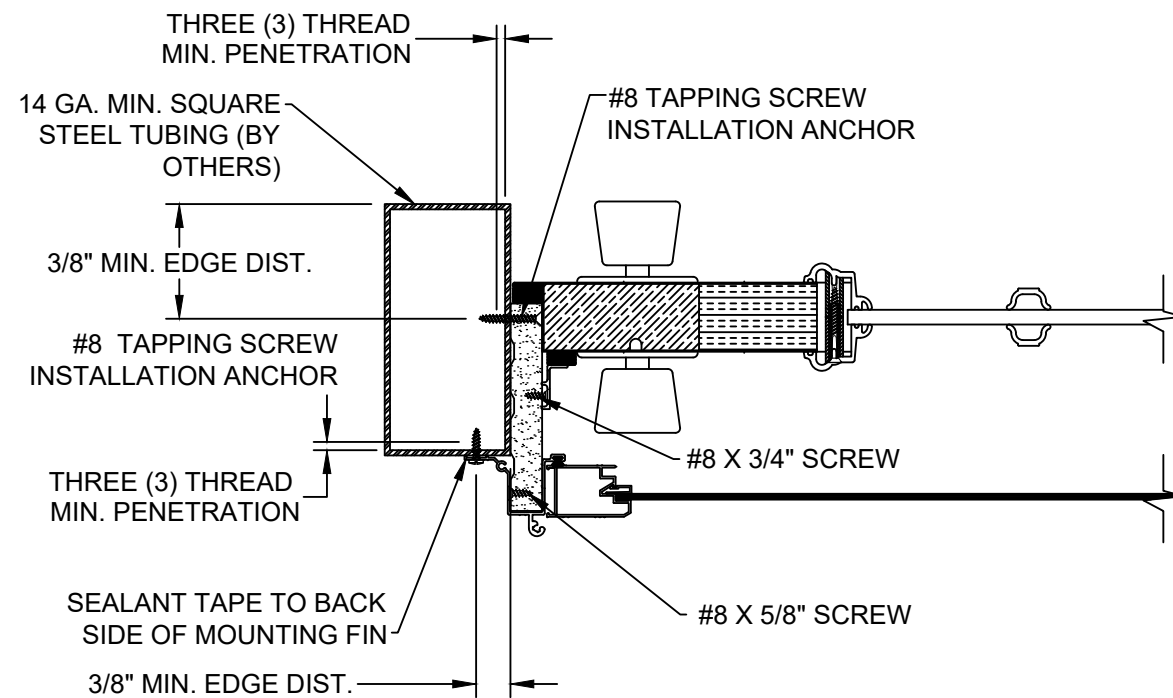
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WOOD FRAME SUBSTRATE

INTERIOR

EXTERIOR



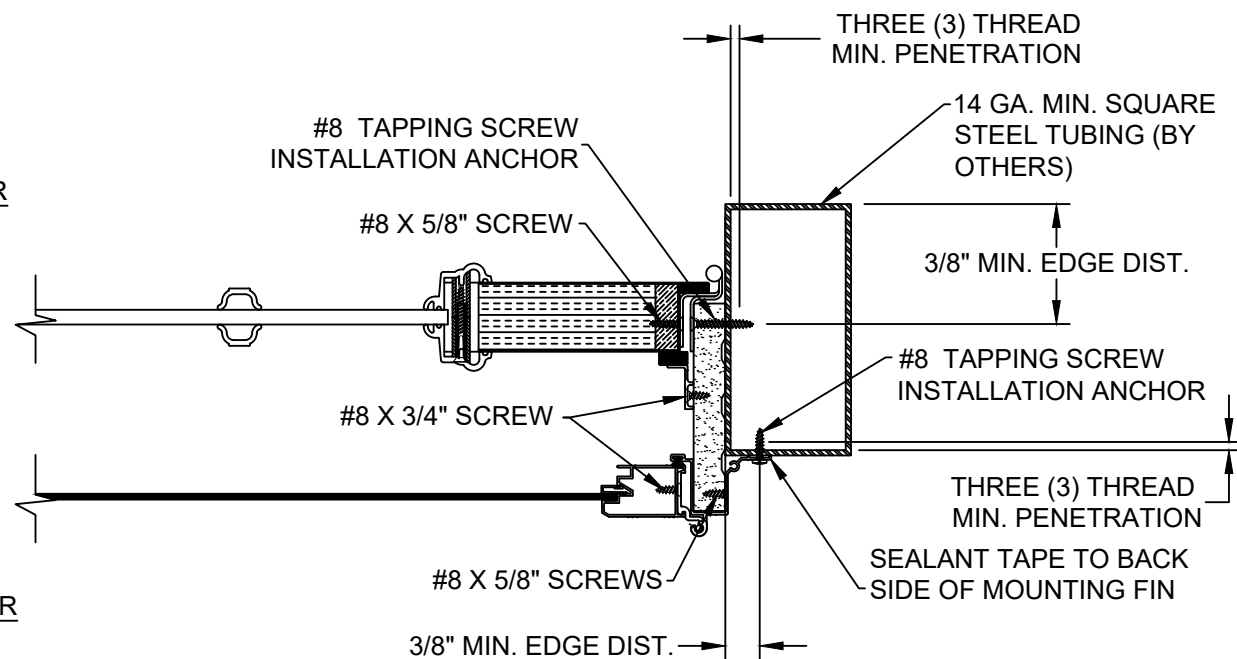
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WOOD FRAME SUBSTRATE



G HORIZONTAL SECTION
STEEL TUBING SUBSTRATE

INTERIOR

EXTERIOR



H HORIZONTAL SECTION
STEEL TUBING SUBSTRATE

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1215 POPE DRIVE
DOUGLAS, GEORGIA 31533

TITLE: MODEL 9400-W9 NON-IMPACT INSWING
STEEL DOOR W/STORM DOOR
HORIZONTAL CROSS SECTIONS

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