

ELIXIR DOOR & METALS CO.

NON-IMPACT MODEL BVI63S SINGLE INSWING DOOR
W/FIXED LITE INSERT AND OUTSWING 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 CONSULTING CONSTRUCTION LABORATORY TEST REPORT NO. CCL-23-091, DATED 7/31/23 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- 1b. TESTED TO ASTM E330-14, DESIGN PRESSURE EQUAL TO +/-65 PSF AND STRUCTURAL TEST PRESSURE EQUAL TO +/-97.5 PSF.
2. ADEQUACY OF THE EXISTING STRUCTURAL SUBSTRATES 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 (IF 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. MATERIALS

6.1. STORM DOOR FRAME: ALUMINUM ALLOY 6063-T6

6.2. ENTRY DOOR FRAME: PVC CLAD WOOD.

6.3. DOOR PANEL MATERIAL: 0.027" (24 GAUGE) STEEL SKIN WITH FULL WOOD RAILS AND STILES AND WITH POLYURETHANE FOAM CORE.

6.4. FRAME HEAD, LOCK STILE AND HINGE JAMB WEATHER-STRIPPING: Q-LON
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.
8. DESIGNATIONS "X" STAND FOR OPERABLE PANEL
9. HARDWARE:

9.1. DOOR HINGES: CORROSION-RESISTANT MATERIAL

9.2. STORM DOOR HINGES: CORROSION-RESISTANT MATERIAL

9.3. ALUMINUM LATCH LOCK: KEYED

9.4. 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.

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	NONE
SEE GENERAL NOTE 11	+65.0 / -65.0	

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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 3.

1.1. END INSTALLATION ANCHORS ARE LOCATED AS SHOWN ON SHEET 3.

1.2. PANEL DOOR FRAME TO SUBSTRATE WILL INCLUDE ONE (1) INSTALLATION ANCHOR AT EACH HINGE LOCATION AND ONE (1) INSTALLATION ANCHOR AT EACH STRIKE PLATE LOCATION.

1.3. INTERMEDIATE INSTALLATION ANCHORS BETWEEN END INSTALLATION ANCHORS ARE SPACED EVENLY +/- 1" ALLOWED TOLERANCE.

1.4. INTERMEDIATE INSTALLATION ANCHORS BETWEEN HINGE OR STRIKE PLATE INSTALLATION ANCHORS ARE SPACED EVENLY +/- 1" ALLOWED TOLERANCE.

1.5. REMAINING ANCHOR LOCATIONS AT HINGES AND STRIKE PLATES SHALL USE NO. 8 X 3/4" SHEET METALS SCREWS .
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.

INSTALLATION ANCHOR SCHEDULE								
FRAME COMPONENT	SCREW TYPE	SUBSTRATE	HEAD TYPE	MANUFACTURER AND/OR SPECIFICATION	SIZE	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	CAPACITIES BASED ON
WOOD DOOR FRAME HEAD OR JAMBS TO SUBSTRATE	SUBSTRATE INSTALLATION	CONCRETE	FLAT HEAD	ITW TAPCON (2)	3/16"	1 1/2	1 1/8	MIN. 2000 PSI CONCRETE BUT NOT LESS THAN THAT REQUIRED BY BUILDING CODE
WOOD DOOR FRAME JAMBS TO SUBSTRATE		MASONRY (BLOCK/CMU)		ITW TAPCON (2)	3/16"	1	2	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT DENSITY > 117 PCF
WOOD DOOR FRAME HEAD OR JAMBS TO SUBSTRATE		WOOD (1)		ASME B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	No. 9	1 1/2	3/4	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55
HINGES AND STRIKE PLATES	COMPONENT INSTALLATION	WOOD (1)	FLAT HEAD	ASME B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	No. 10	5/8" IN LENGTH	3/4	BASED ON WOOD FRAME SPECIES
BRICK MOULD TO DOOR FRAME		WOOD	FINISHING NAIL	2" LONG 15 GA. FINISHING NAIL	15 GA.	2" IN LENGTH	1/2	
STORM DOOR FRAME TO BRICK MOULD		WOOD (1)	PAN HEAD	ASME B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	No. 9	1-1/4" IN LENGTH	3/4	
NOTES: 1) FOR NO. 9 WOOD AND TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.093" (DRILL SIZE 42) PILOT HOLE FOR WOOD FRAME INSTALLATION. 2) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.								

ELIXIR DOOR & METALS CO.


1215 POPE DRIVE

DOUGLAS, GEORGIA 31533

TITLE:
NON-IMPACT MODEL BVI63S SINGLE INSWING DOOR
W/FIXED LITE INSERT AND OUTSWING STORM DOOR
GENERAL AND INSTALLATION NOTES

PREPARED BY:
DRAWN BY: RJA
SCALE: N.T.S.
REV: C

DATE: 09/04/13
DRAWING NO: ELIX0061
SHEET: 1 OF 5

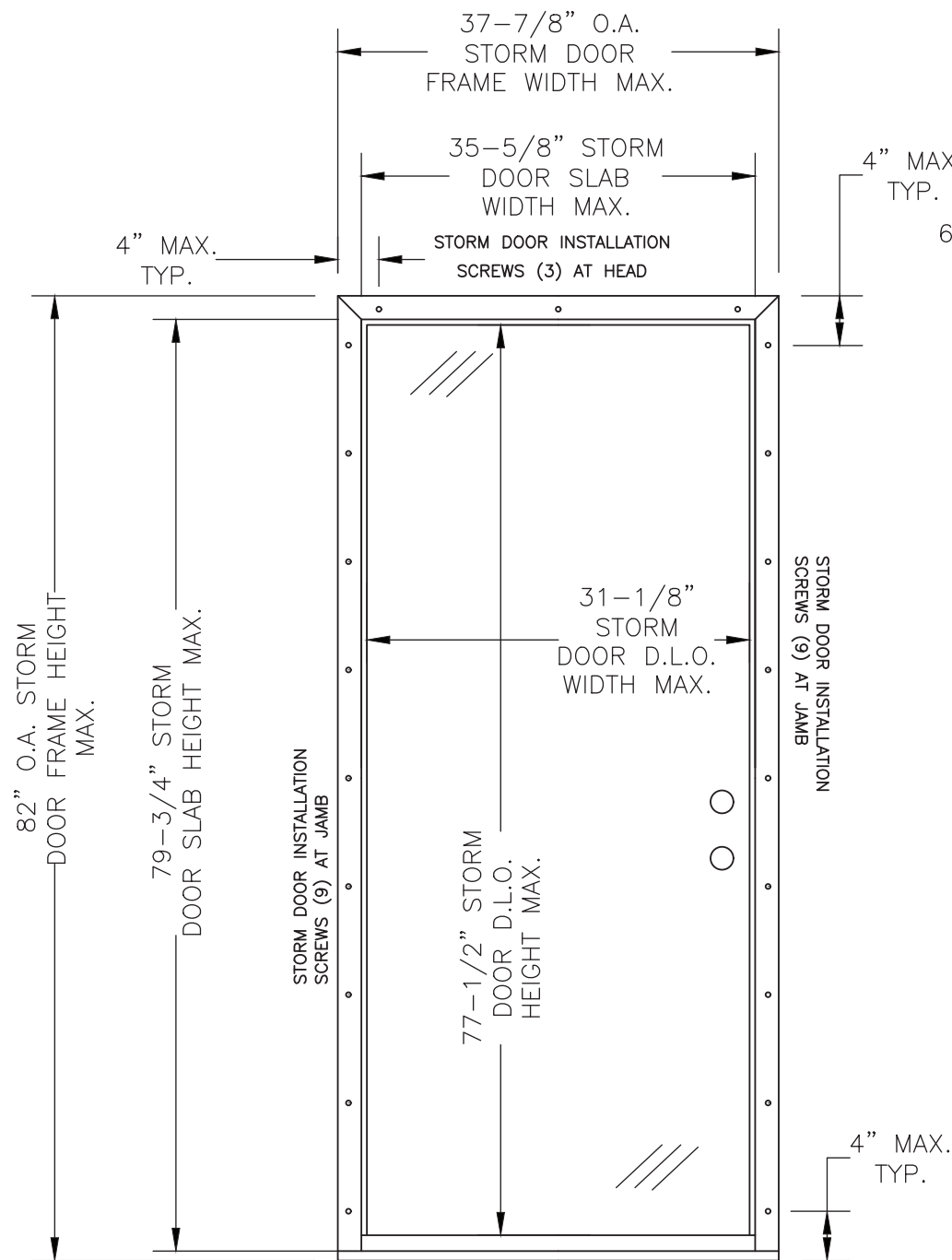


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PROJECT NUMBER:	423-0605				UPDATE TO CURRENT EDITION	FBC	DESCRIPTION	REV	C	8/17/23	RJA	DATE	BY

Robert J. Amoruso, P.E.

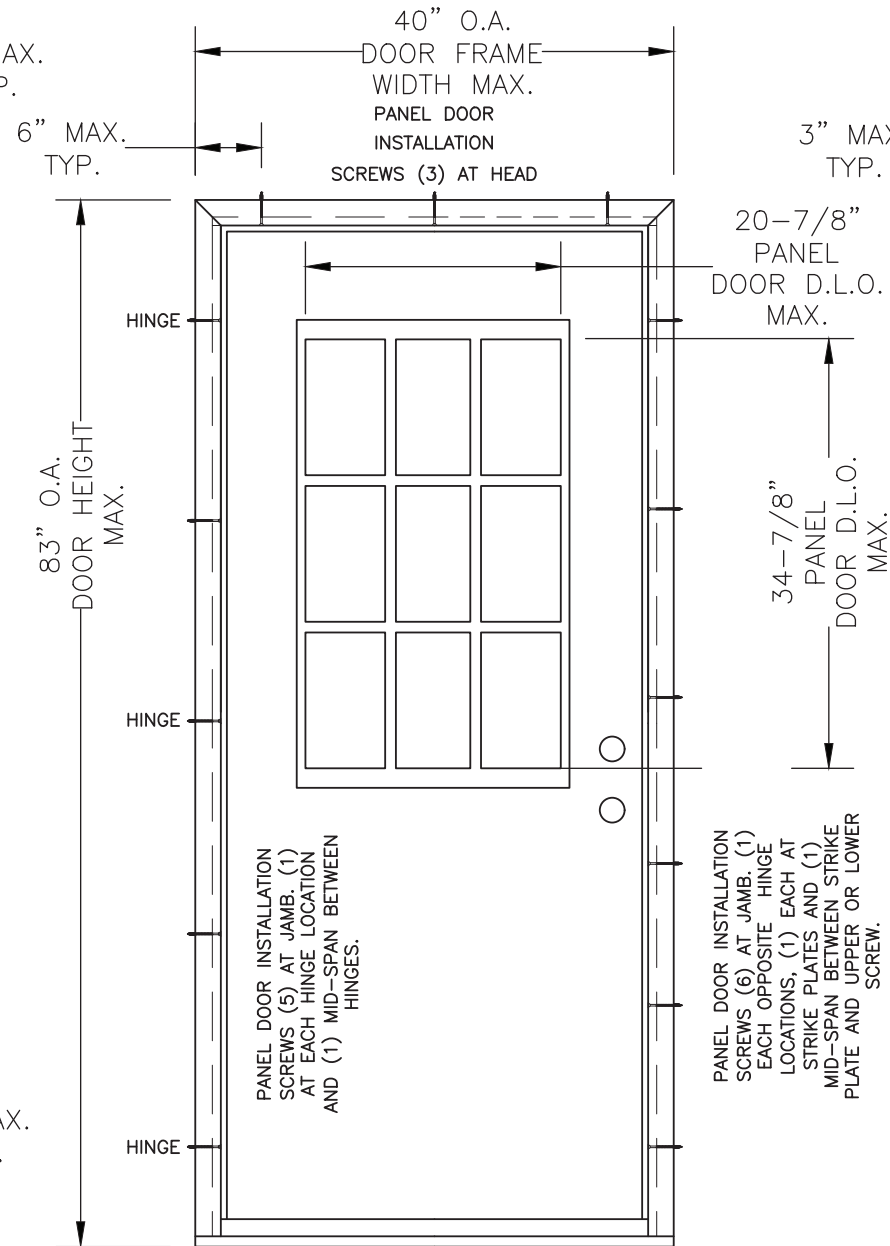
FL P.E. No. 49752



STORM DOOR
FRAME
INSTALLTION
ANCHORAGE
#9 X 1.25"
SCREWS (21)

STORM DOOR ELEVATION

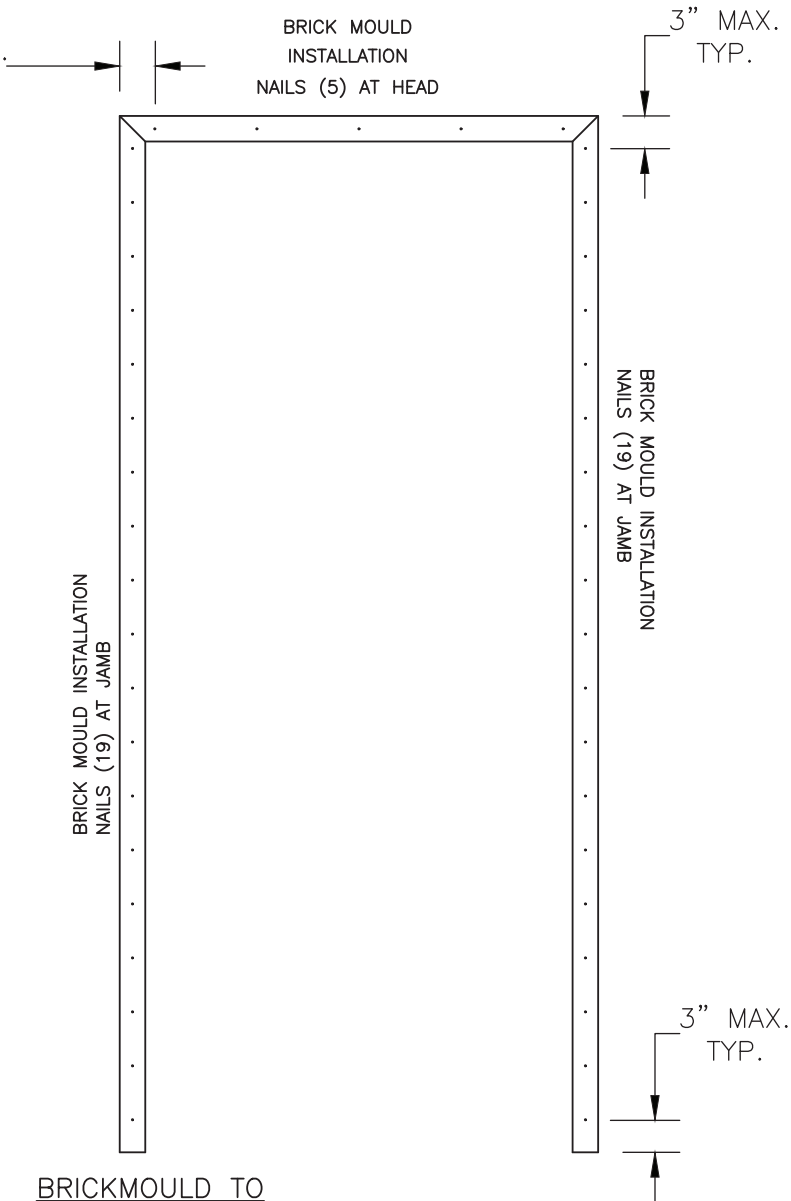
EXTERIOR VIEW



PANEL DOOR
FRAME
INSTALLTION
ANCHORAGE
#9 X 3" SCREW
THRU JAMBS (14)

PANEL DOOR ELEVATION

EXTERIOR VIEW



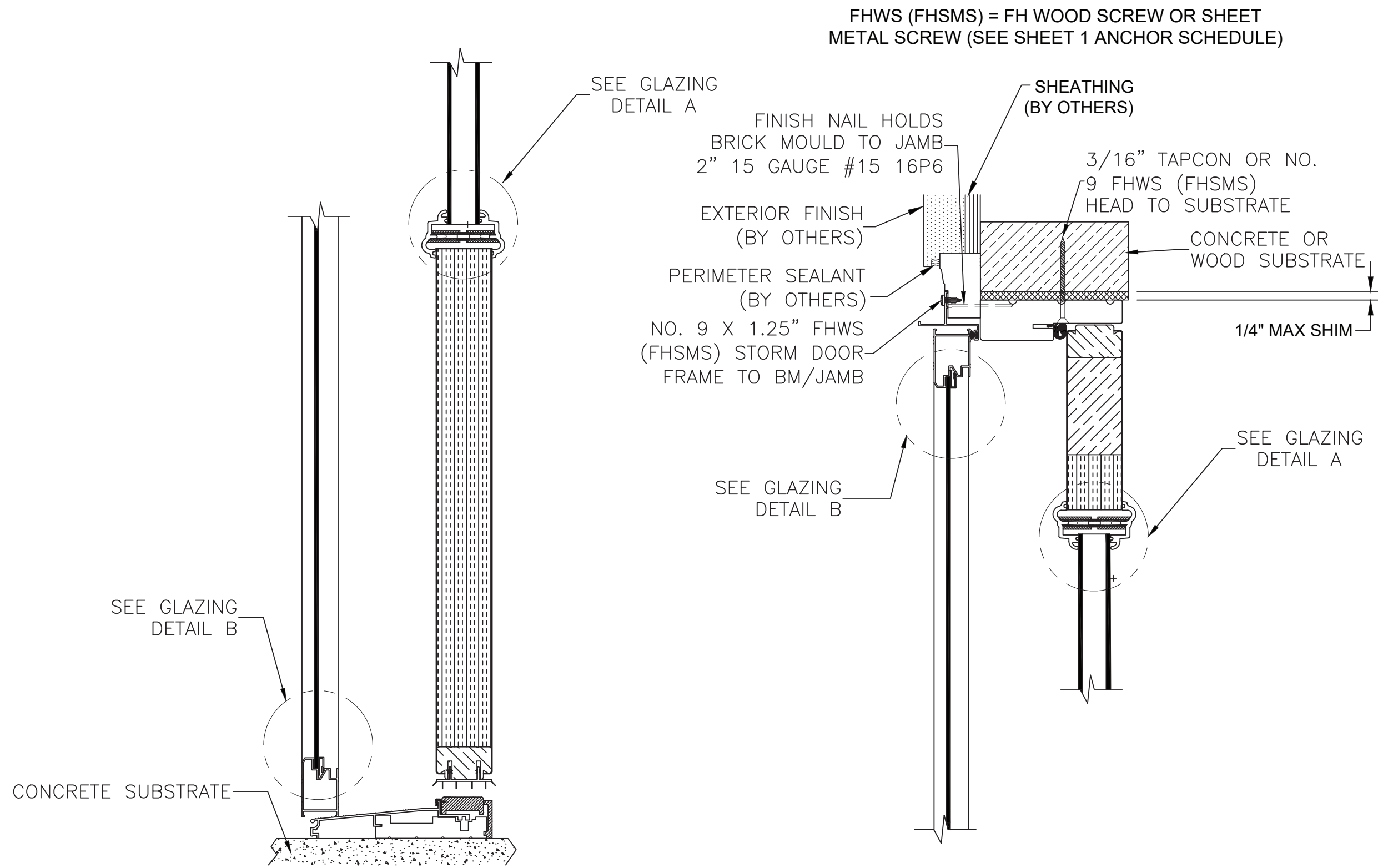
BRICKMOULD TO
JAMB INSTALLTION
ANCHORAGE
FINISH NAIL: 2"
15 GAUGE #15
16P6 (43)

BRICK MOULD ELEVATION

EXTERIOR VIEW

ANCHORS SHALL BE SPACED EVENLY (+/- 1" TOLERANCE) BETWEEN LOCATED END INSTALLATION ANCHORS OR HINGE/ STRIKE PLATE INSTALLATION ANCHORS ABOVE. SEE INSTALLATION NOTE 1 ON SHEET 1.

PROJECT NUMBER: 423-0605									
ELIXIR DOOR & METALS CO.		1215 POPE DRIVE		DOUGLAS, GEORGIA 31533					
TITLE: NON-IMPACT MODEL BV163S SINGLE INSWING DOOR W/FIXED LITE INSERT AND OUTSWING STORM DOOR ELEVATION AND ANCHOR LAYOUT		PREPARED BY: RJA	DATE: 09/04/13	DRAWING NO: ELIX0061	REV: C	SHEET: 3 OF 5			
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FAX: 321.680.1789 E-MAIL: info@ptc-corp.com		SCALE: N.T.S.	REV: C	DRAWING NO: ELIX0061		SHEET: 3 OF 5		REV: C	
Robert J. Amoruso, P.E. FL P.E. No. 49752		UPDATE TO CURRENT EDITION FBC		8/17/23		RJA		BY	
		DESCRIPTION		DATE					



A **VERTICAL SECTION**
CONCRETE SUBSTRATE

B **VERTICAL SECTION**
WOOD OR CONCRETE
SUBSTRATE

FHWS (FHSMS) = FH WOOD SCREW OR SHEET
METAL SCREW (SEE SHEET 1 ANCHOR SCHEDULE)

PROJECT NUMBER: 423-0605		ELIXIR DOOR & METALS CO. 1215 POPE DRIVE DOUGLAS, GEORGIA 31533		DATE: 09/04/13		DRAWN BY: RJA	
		TITLE: NON-IMPACT MODEL BV163S SINGLE INSWING DOOR W/FIXED LITE INSERT AND OUTSWING STORM DOOR VERTICAL SECTION		SCALE: N.T.S.		REV: C	
		PREPARED BY: PTC		SHEET: 4 OF 5		REV: C	
		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752		Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		DATE: 8/17/23	
		RJA		ELIX0061		BY: RJA	
		UPDATE TO CURRENT EDITION FBC		DESCRIPTION		DATE	

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