

WINCORE FIBERGLASS ENTRY DOOR

INSWING / OUTSWING

"NON-IMPACT"

GENERAL NOTES

1.

This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

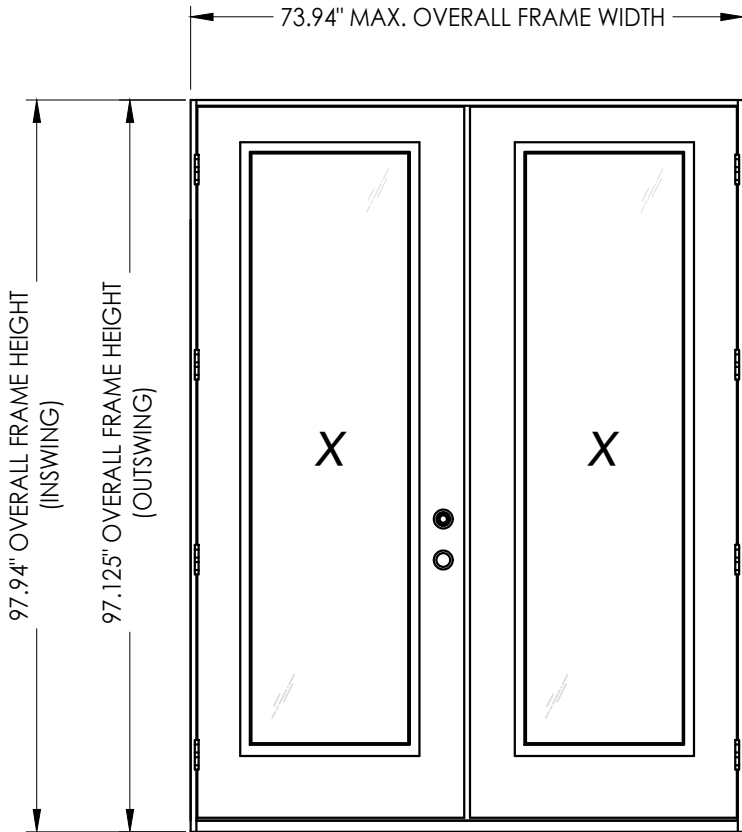
When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4.

For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel & glazing details
3	Elevations
4	Horizontal & vertical cross sections
5	Buck & frame anchoring & hardware details
6	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING		ASTRAGAL
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
XX	73.94" x 97.94"	+40.0	-45.0	+40.0	-40.0	ENDURA ULTIMATE HURRICANE



27

Schmidt

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2023.07.06 07:54:18 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.

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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

DATE: 6/15/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14094.6

SHEET 1 OF 6

3 7/06/23 UPDATE TO 8TH ED. (2023) FBC LFS

2 7/06/20 UPDATE TO 7TH ED. (2020) FBC LFS

1 8/2/17 UPDATE TO 6TH ED. (2017) FBC JK

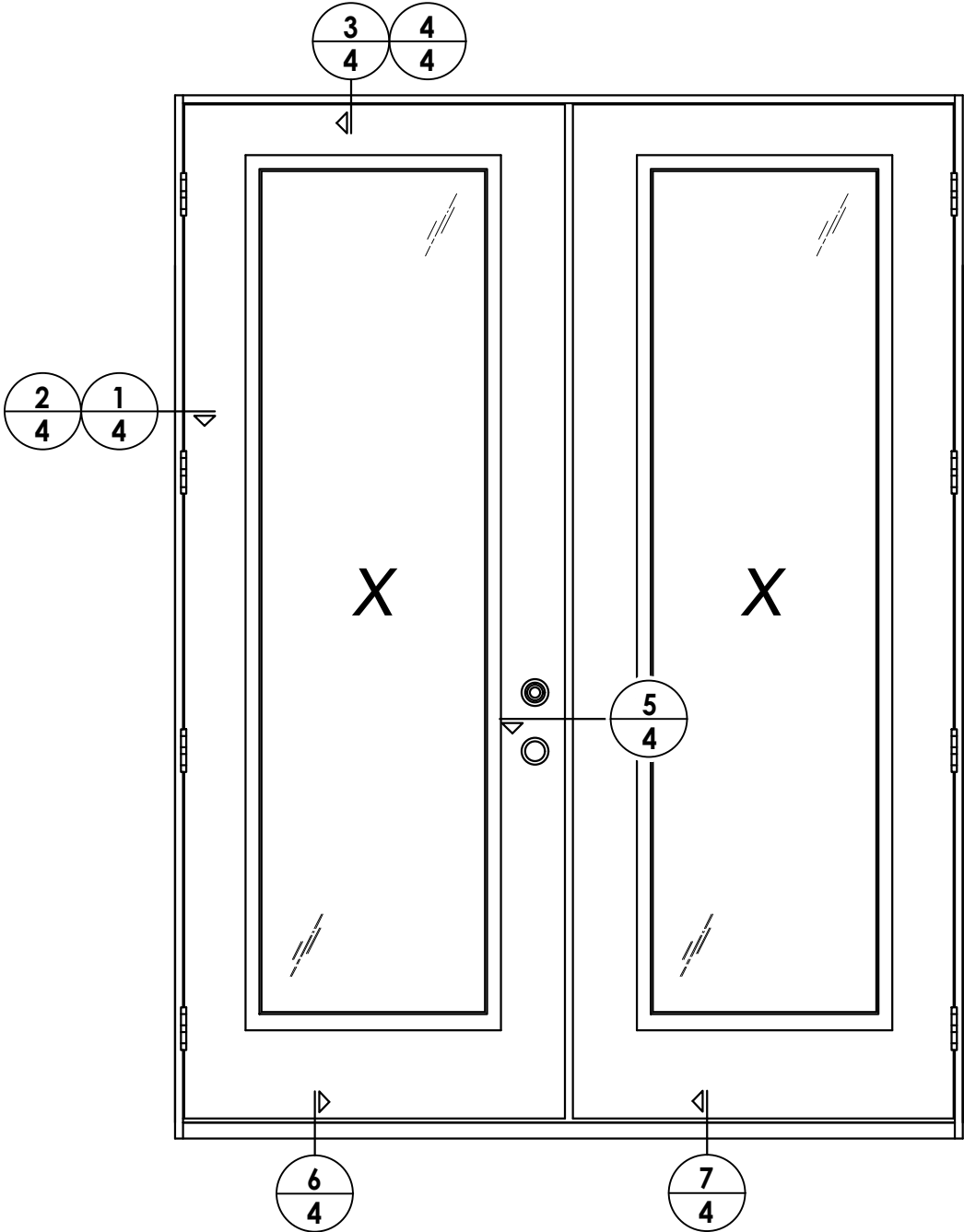
NO. DATE

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813



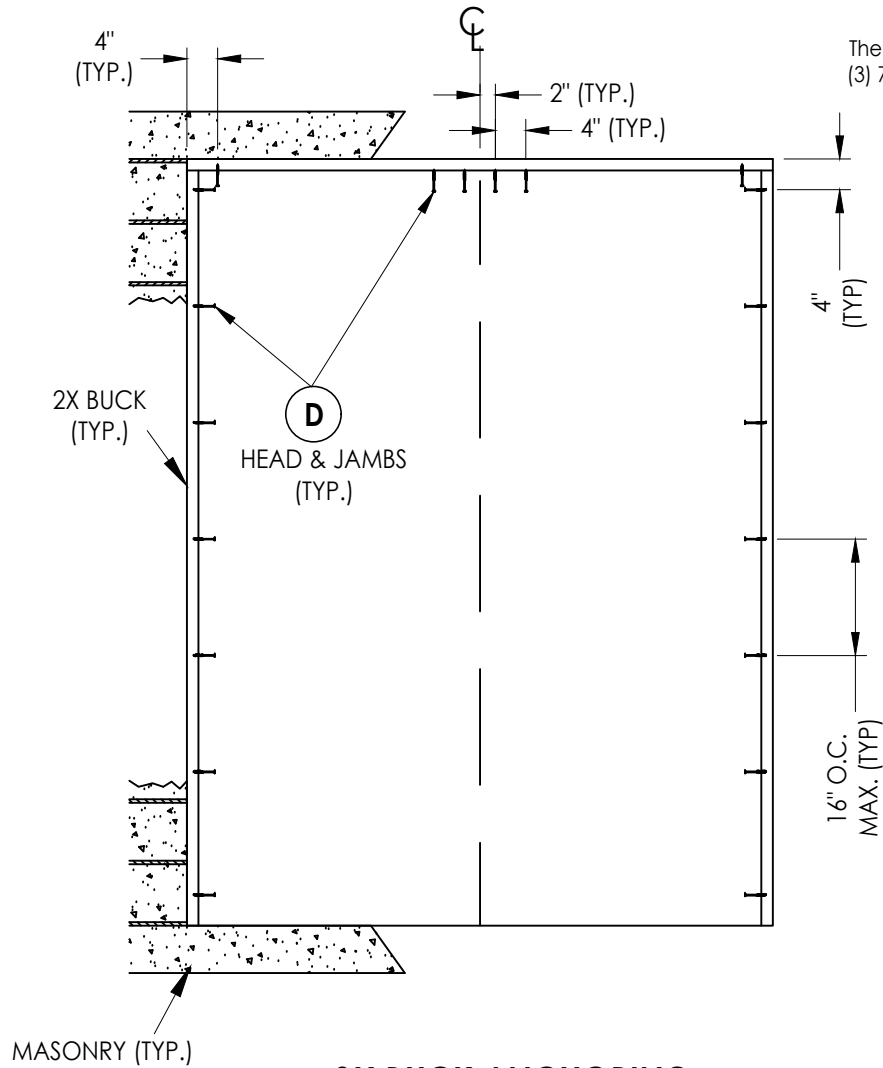
ELEVATION
XX

DATE: 6/15/15		DRAWING NO.: FL-14094.6		SHEET 3 OF 6	
SCALE: N.T.S.		CHK. BY: LFS		DWG. BY: JK	
NO.		DATE		BY	
3	7/06/23	UPDATE TO 8TH ED. (2023)		FBC	LFS
2	7/06/20	UPDATE TO 7TH ED. (2020)		FBC	LFS
1	8/2/17	UPDATE TO 6TH ED. (2017)		FBC	JK
REVISIONS					
PRODUCT:		PART OR ASSEMBLY:			
WINCORE FIBERGLASS DOOR		ELEVATIONS			
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

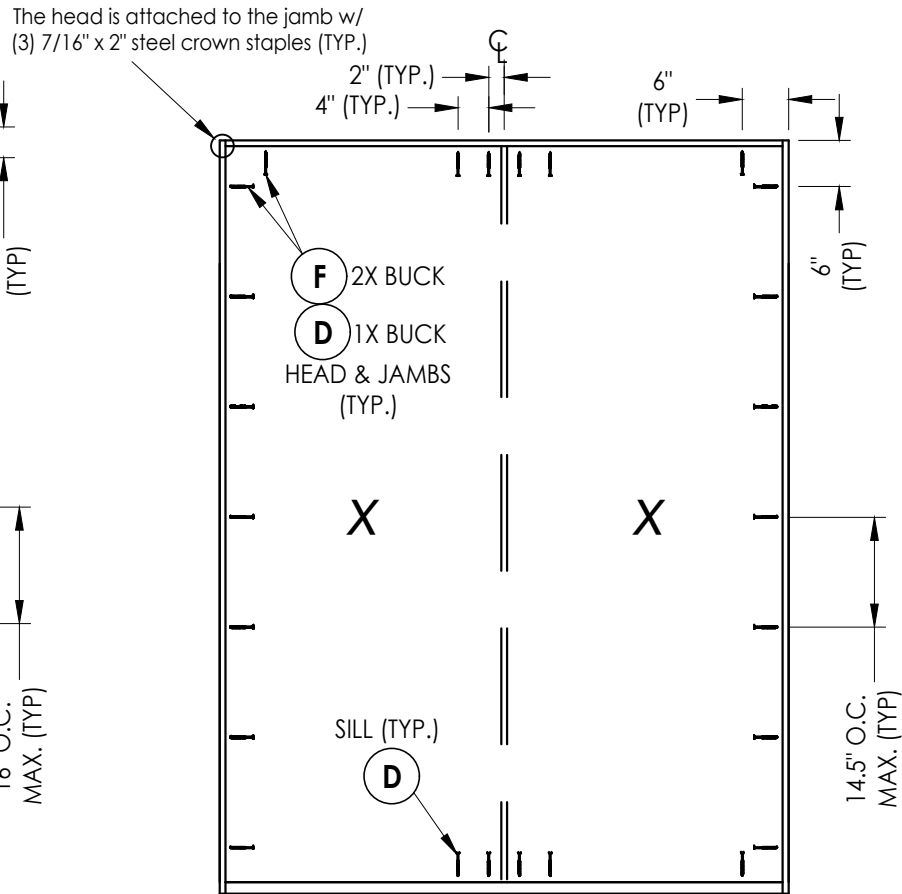


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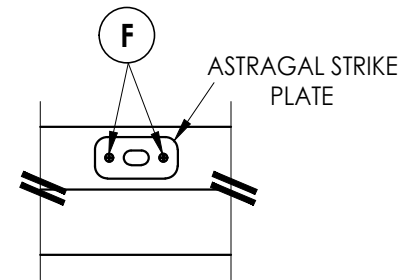
Z:\2023 FBC Drawings\Wincore Window Company\FL-14094 R8\FL-14094.1-8.dwg



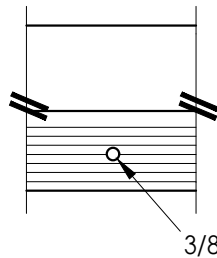
2X BUCK ANCHORING



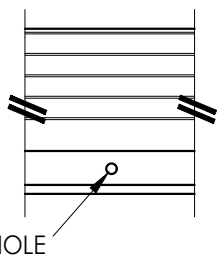
FRAME ANCHORING



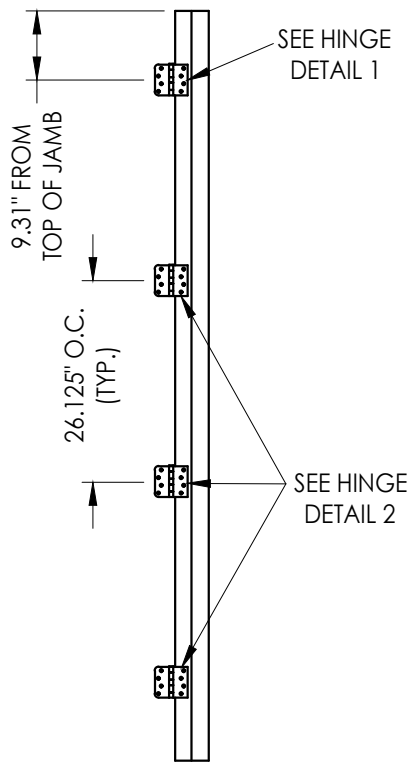
ASTRAGAL BOLT DETAIL
Strike Plate @ Head



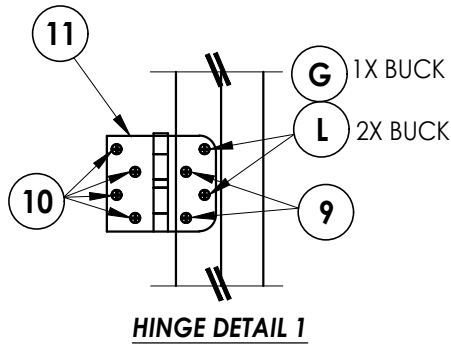
ASTRAGAL BOLT DETAIL
Outswing Threshold



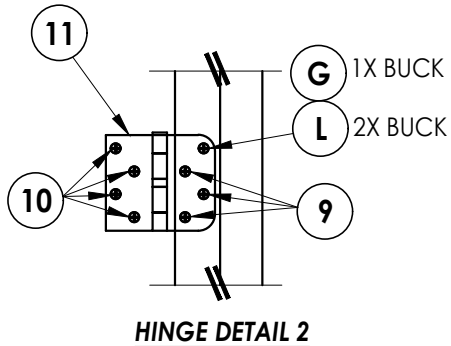
ASTRAGAL BOLT DETAIL
Inswing Threshold



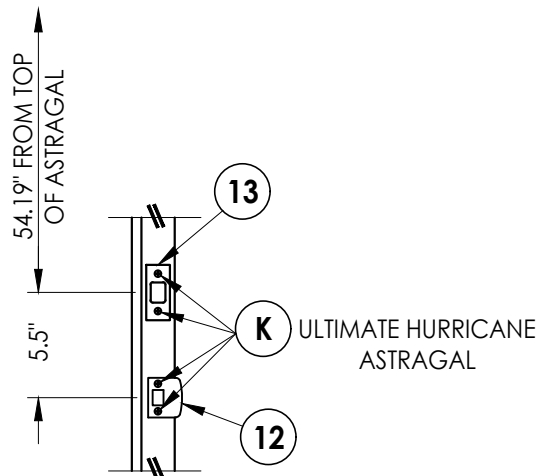
HINGE JAMB



HINGE DETAIL 1



HINGE DETAIL 2



LATCH AND DEADBOLT STRIKE DETAILS

HARDWARE DETAILS

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PRODUCT:
WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC
2	7/06/20	UPDATE TO 7TH ED. (2020) FBC
1	8/2/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/15/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14094.6

SHEET 5 OF 6

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#8 X 3" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
P	#10 X 1-3/4" PFH WOOD SCREW	STEEL
1	FINGER JOINT PINE JAMB (G >= 0.42)	WOOD
7	WEATHERSTRIP (ENDURA)	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	#8 X 3/4" PFH WOOD SCREW	STEEL
10	#8 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
20	INSWING THRESHOLD	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
33	ENDURA ASTRAGAL (ULTIMATE HURRICANE)	ALUM
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-

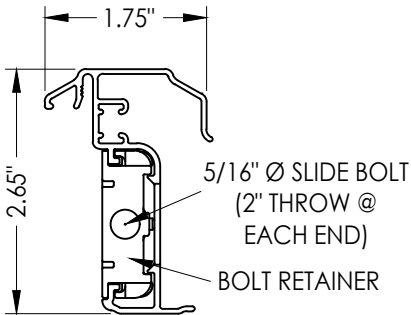
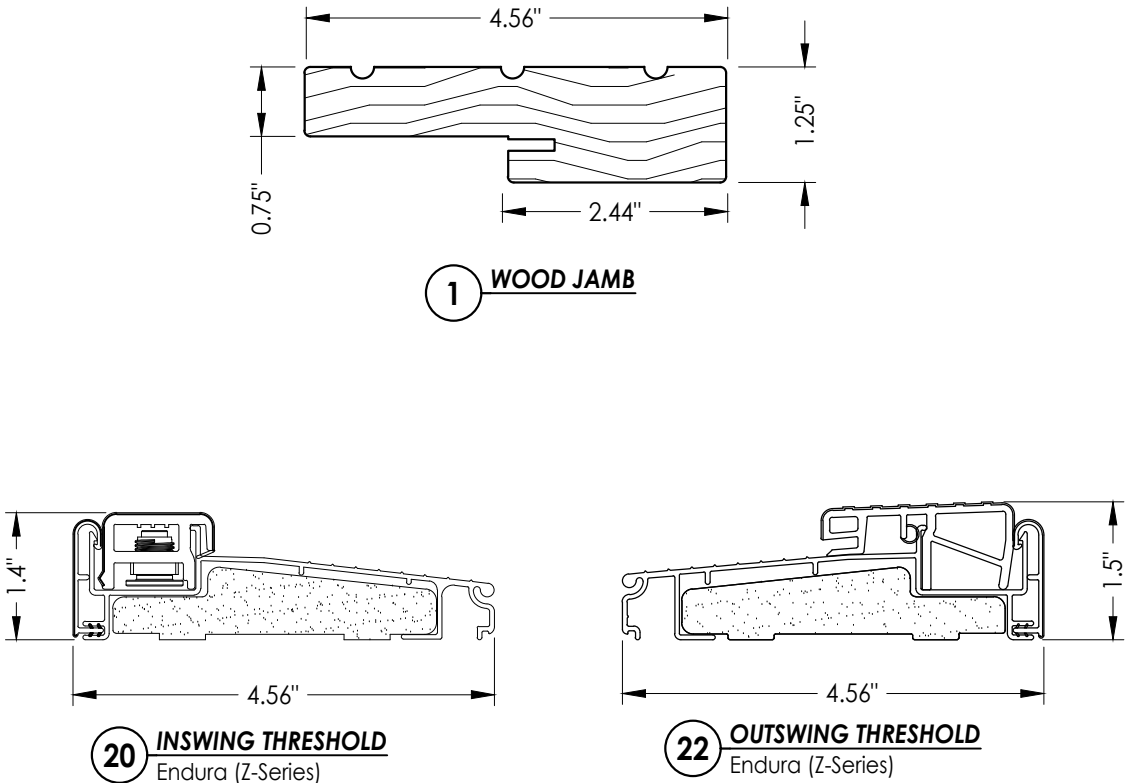
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



33 **ENDURA ASTRAGAL**

Ultimate Hurricane

DATE: 6/15/15		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14094.6			
SHEET 6	OF 6		
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
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NO.	DATE		BY
PRODUCT: WINCORE FIBERGLASS DOOR			
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS			
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