



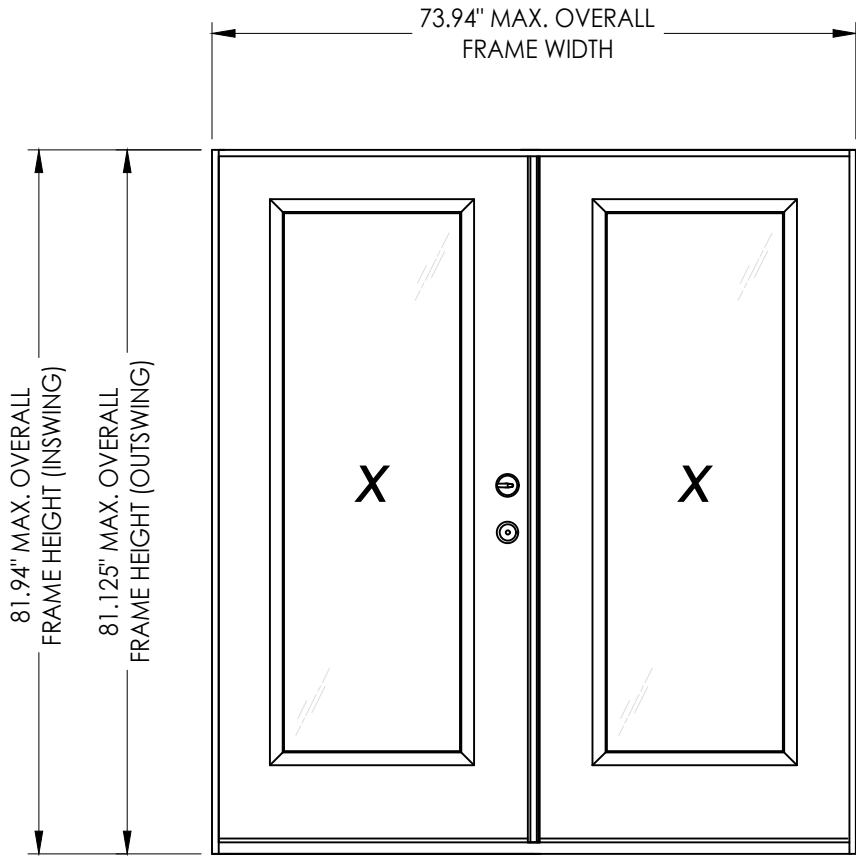
250 Staunton Turnpike, Parkersburg, WV 26104

WINCORE FIBERGLASS ENTRY DOOR
INSWING / OUTSWING
"NON-IMPACT"

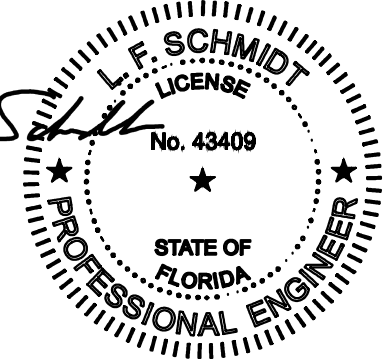
GENERAL NOTES

- 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



Digitally signed by Lyndon F Schmidt
Date: 2023.07.06 07:55:30 -04'00'



This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING		ASTRAGAL
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
XX	73.94" x 81.94"	+25.0	-25.0	+25.0	-25.0	ENDURA ULTIMATE
XX	73.94" x 81.94"	+35.0	-35.0	+40.0	-40.0	ENDURA ULTIMATE HURRICANE

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

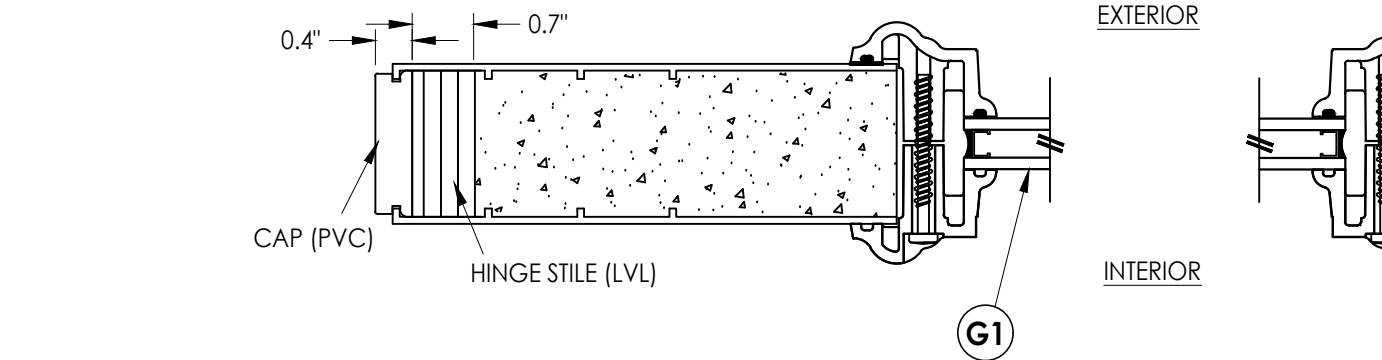
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: WINCORE FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

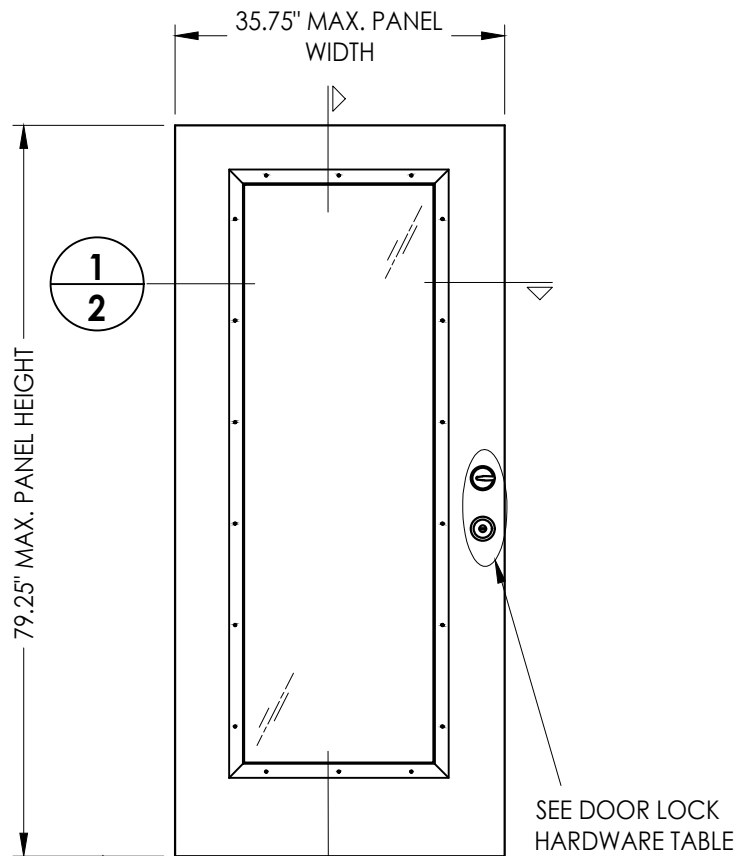
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	7/06/23	LFS	UPDATE TO 8TH ED. (2023) FBC
2	7/06/20	LFS	UPDATE TO 7TH ED. (2020) FBC
1	8/2/17	JK	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/15/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14094.2
SHEET 1 OF 6

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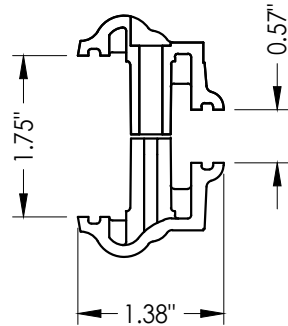
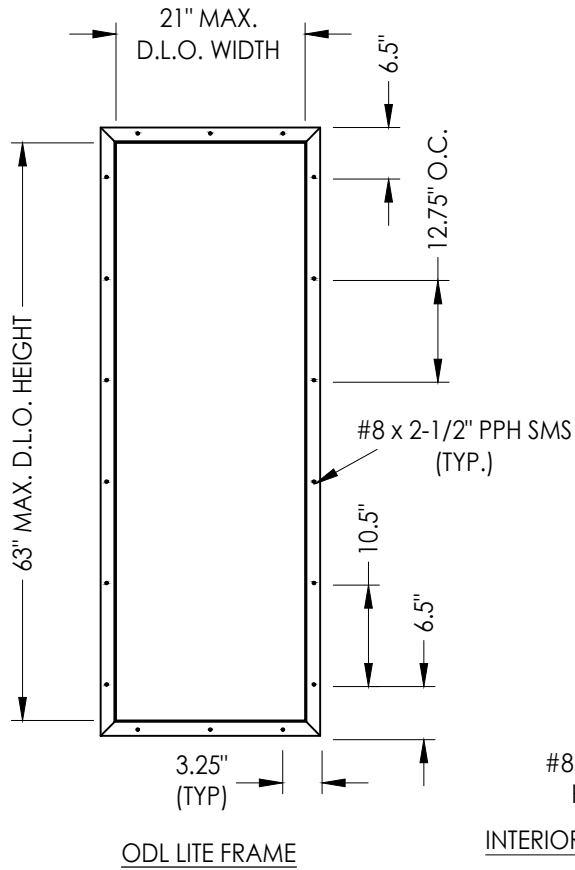


1
2 **HORIZONTAL CROSS SECTION**

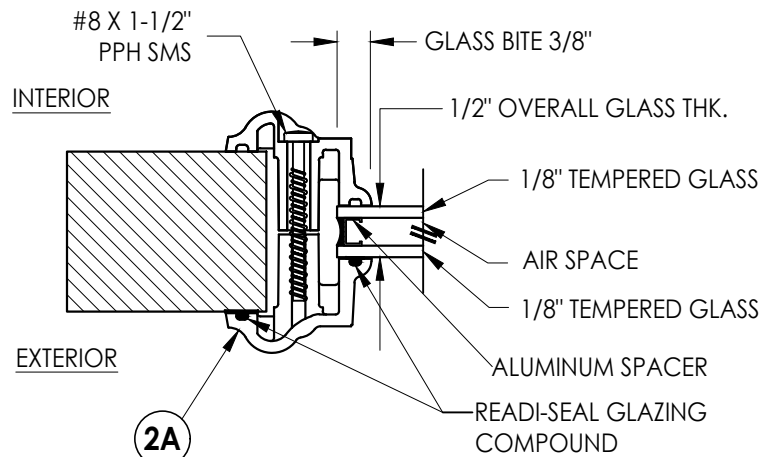


2
2

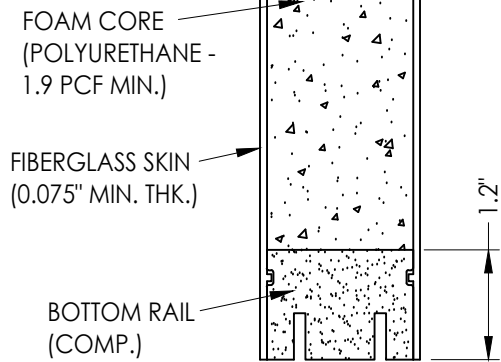
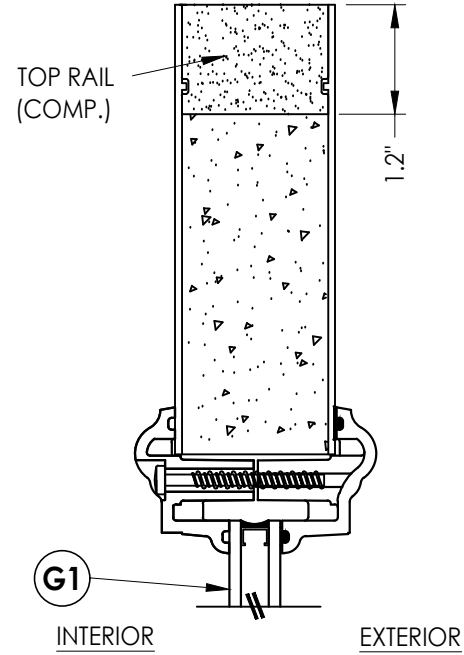
40 **DOOR PANEL**
Plastpro
Fiberglass



2A **ODL LITE FRAME**
HP Polypropylene



G1 **GLAZING DETAIL**



2
2 **VERTICAL CROSS SECTION**

DOOR LOCK HARDWARE TABLE		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (780)

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PRODUCT: WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL &
GLAZING DETAILS

NO.	DATE	REVISIONS
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

DATE: 6/15/15

SCALE: N.T.S.

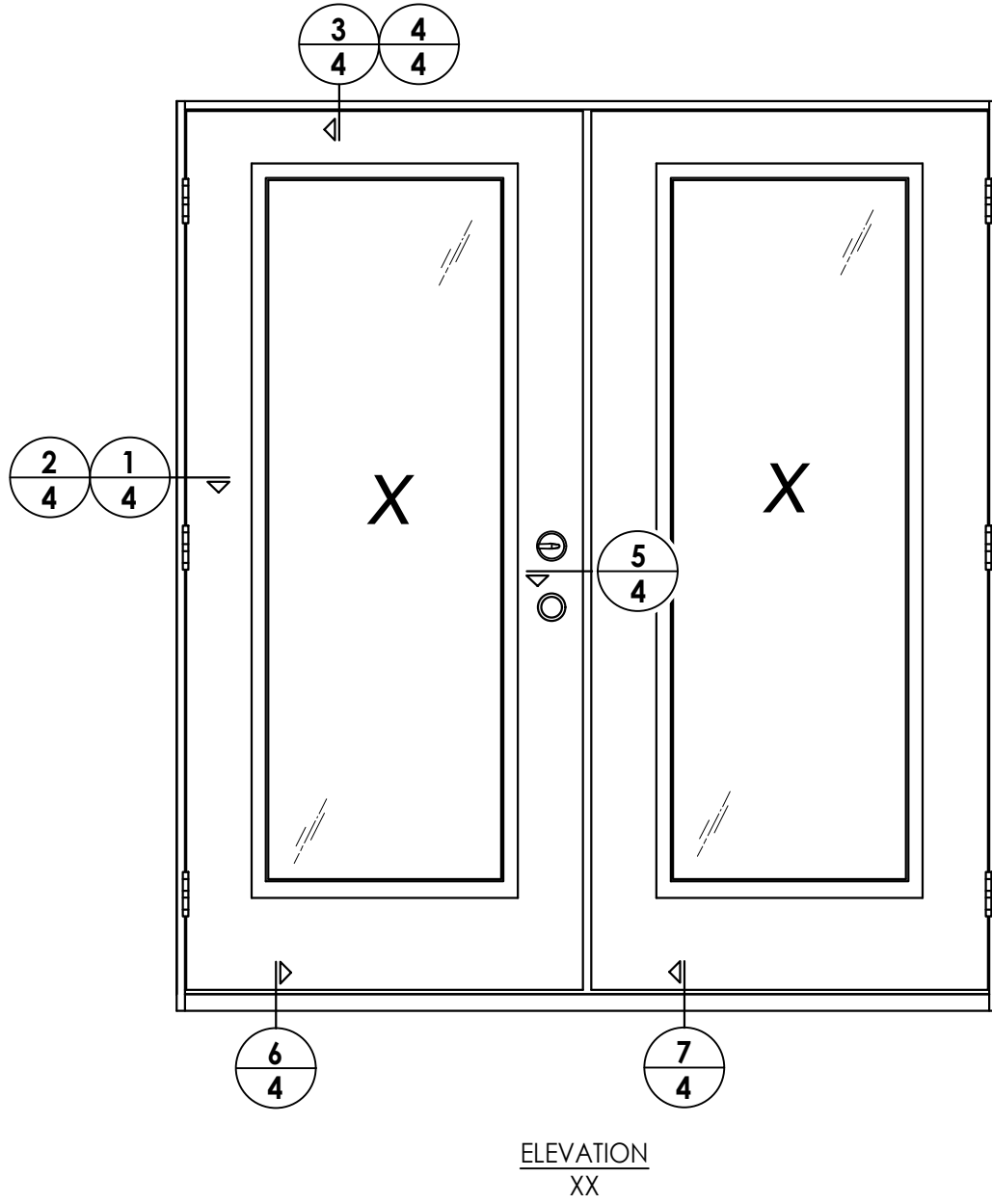
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14094.2

SHEET 2 OF 6

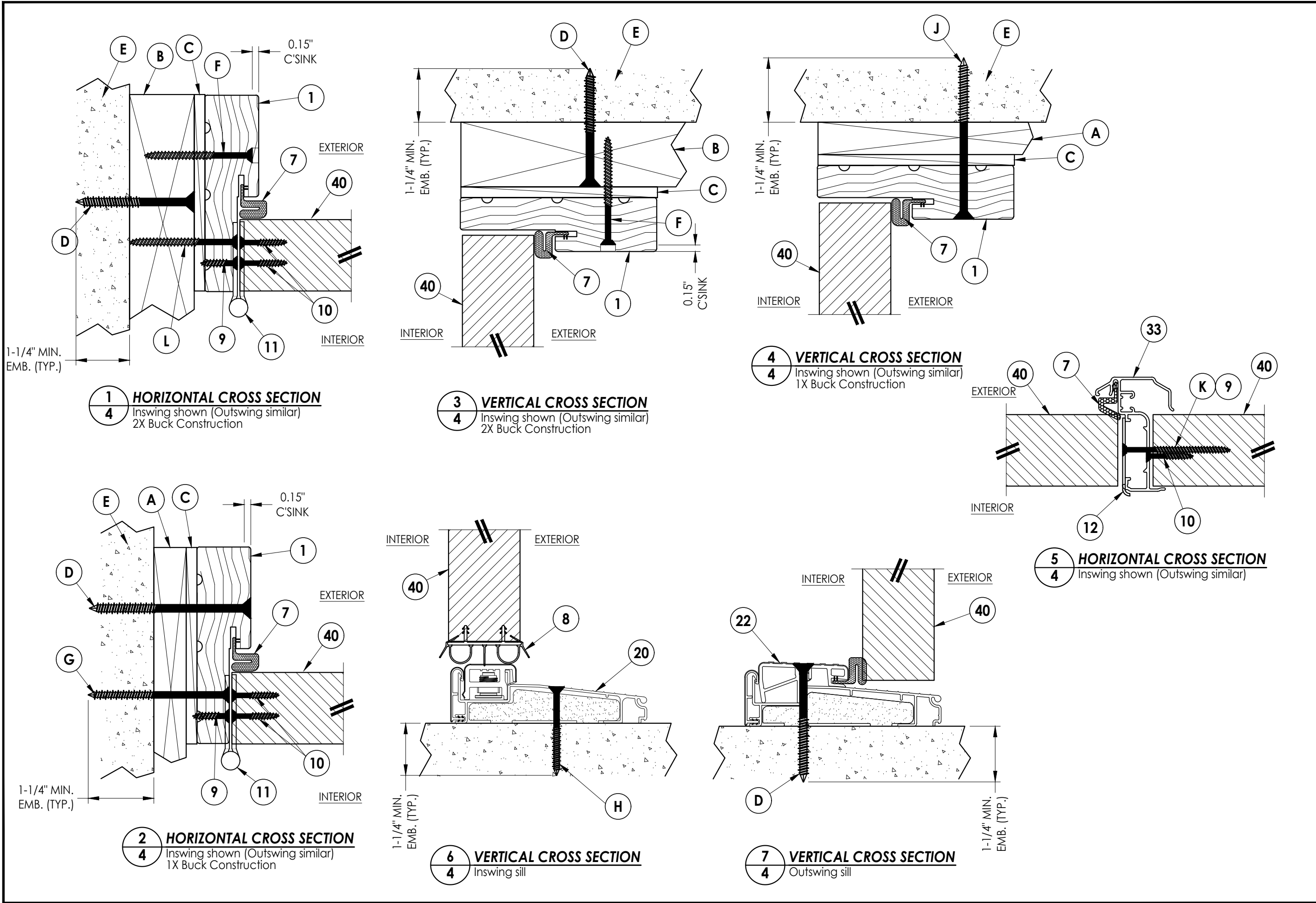
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PRODUCT: WINCORE FIBERGLASS DOOR	PART OR ASSEMBLY: ELEVATIONS
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. BUILDING CONSULTANTS, INC.
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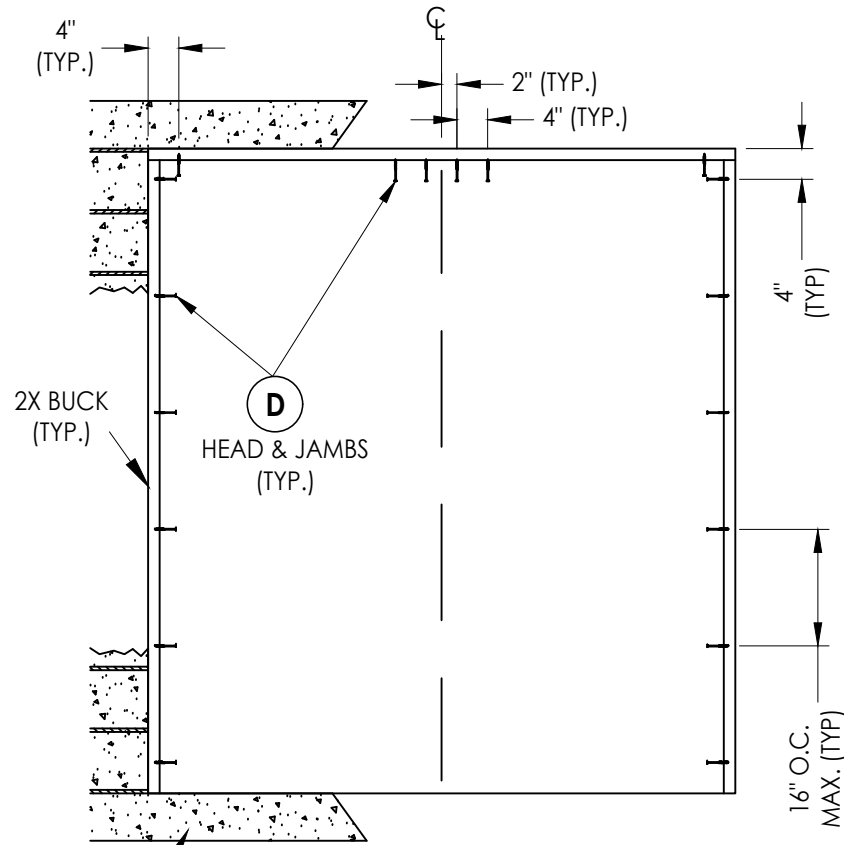


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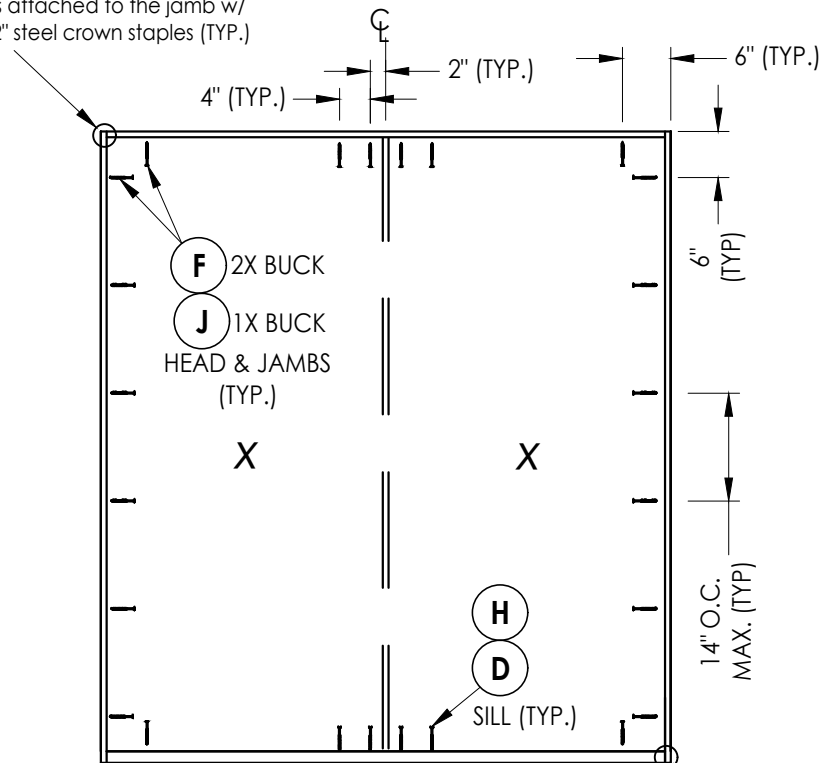
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MASONRY (TYP.)

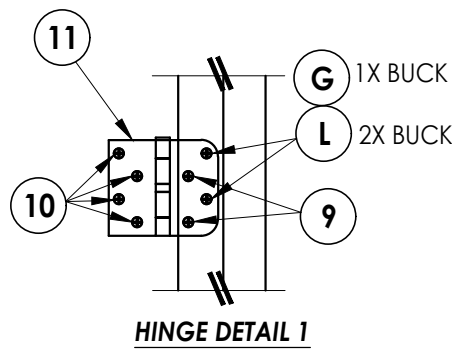
2X BUCK ANCHORING

The head is attached to the jamb w/
(3) 7/16" x 2" steel crown staples (TYP.)

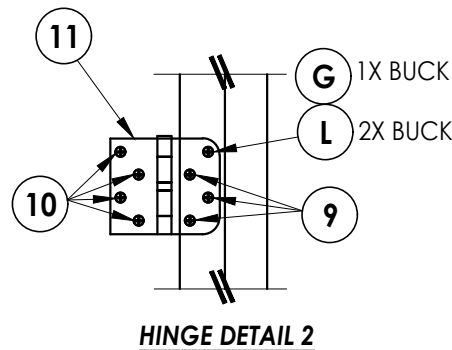


FRAME ANCHORING

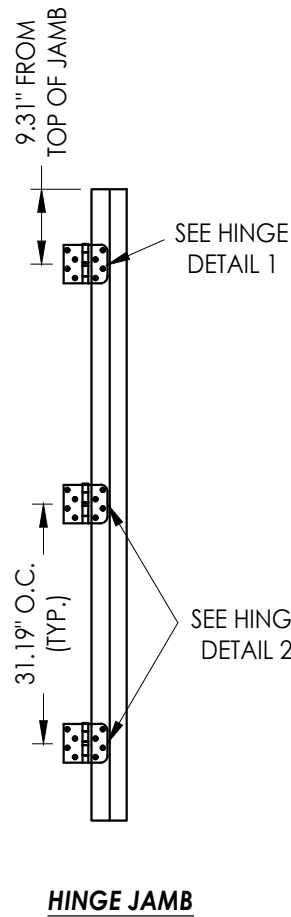
The threshold is attached to the jamb
w/ (3) 7/16" x 2" steel crown staples &
(1) #8 x 1-5/8" wood screw (TYP.)



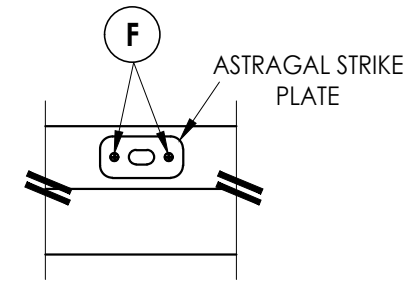
HINGE DETAIL 1



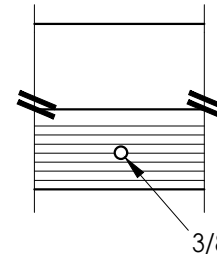
HINGE DETAIL 2



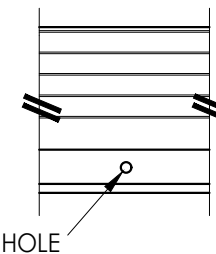
HINGE JAMB



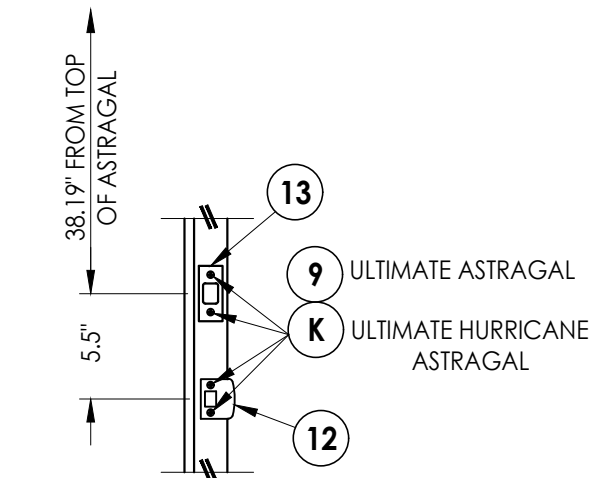
ASTRAGAL BOLT DETAIL
Strike Plate @ Head



ASTRAGAL BOLT DETAIL
Outswing Threshold



ASTRAGAL BOLT DETAIL
Inswing Threshold



LATCH AND DEADBOLT STRIKE DETAILS

HARDWARE DETAILS

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PRODUCT:
WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING
& HARDWARE DETAILS

DATE: 6/15/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14094.2

SHEET 5 OF 6

BUILDING CONSULTANTS, INC.
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RW

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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 (1.15" MIN. EMBEDMENT)	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 OR ULTIMATE HURRICANE)	ALUM
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-

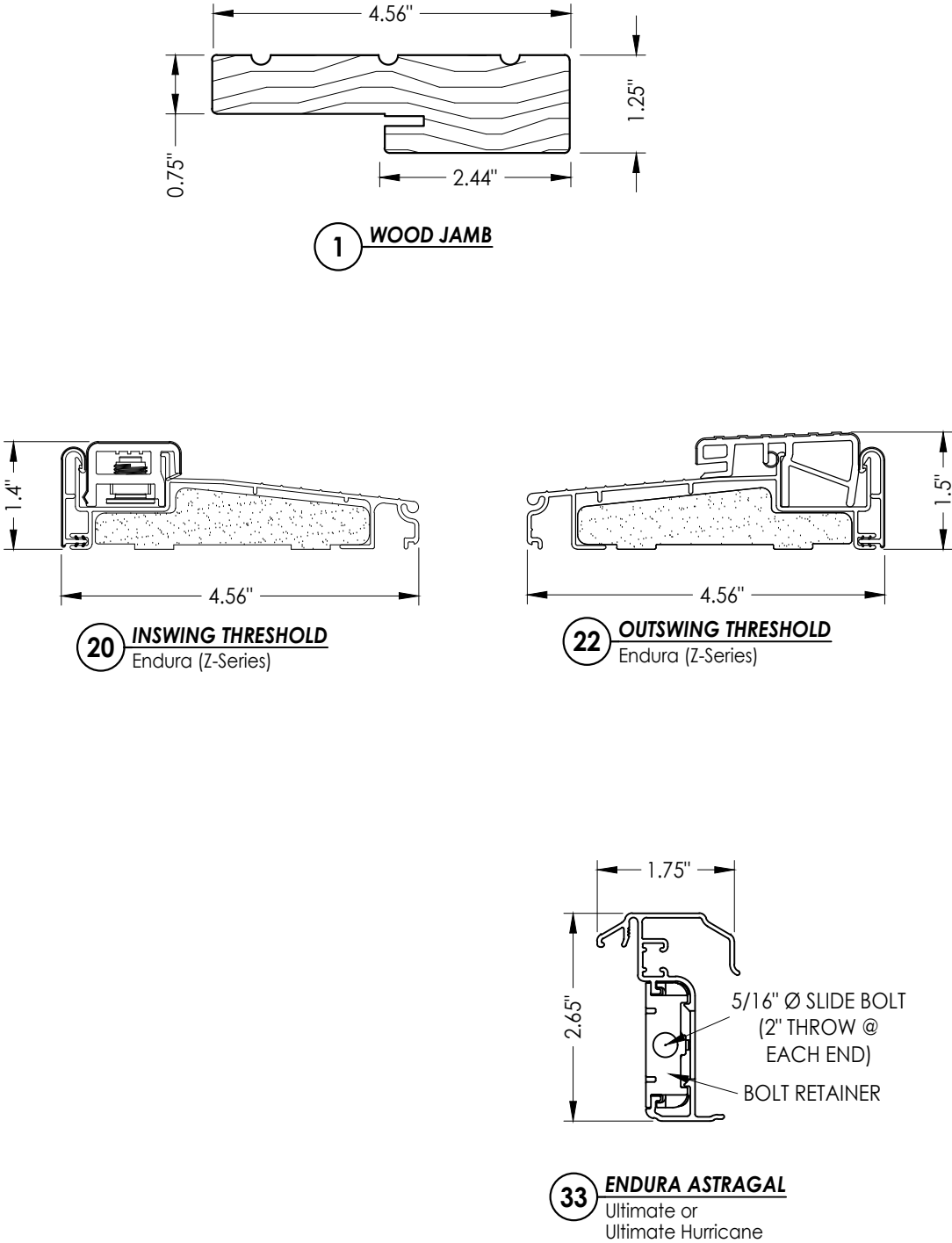
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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:

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



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FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS		
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SHEET 6 OF 6