



plastpro

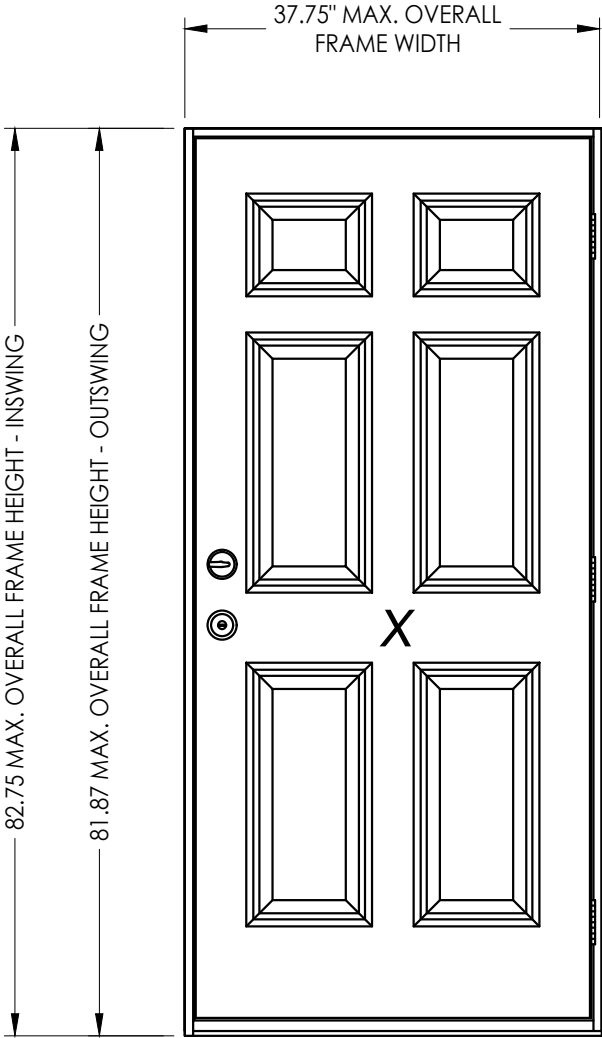
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

TRIMMABLE
OPAQUE FIBERGLASS DOOR
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

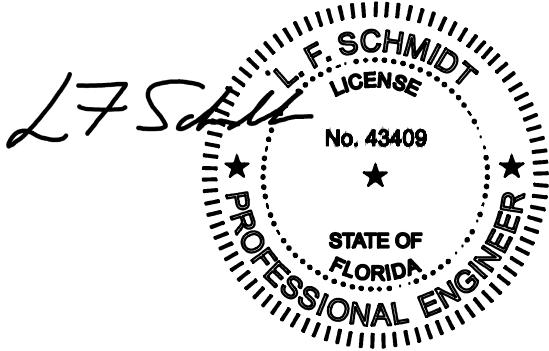
- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall 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 details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Bill of materials and components



SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	37.75" x 82.75"	+75.0	-75.0
OUTSWING	37.75" x 81.87"	+75.0	-75.0

See Hardware Table, sheet 2



Digitally signed by Lyndon F Schmidt
Date: 2023.08.14 15:24:49 -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.

THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

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

OPAQUE FIBERGLASS DOOR

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

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15219.1

SHEET 1 OF 6

REVISIONS

NO.	DATE	BY	JK	JK	JK	LFS	LFS
1	04/14/15						
2	7/24/17						
3	7/23/20						
4	8/14/23						

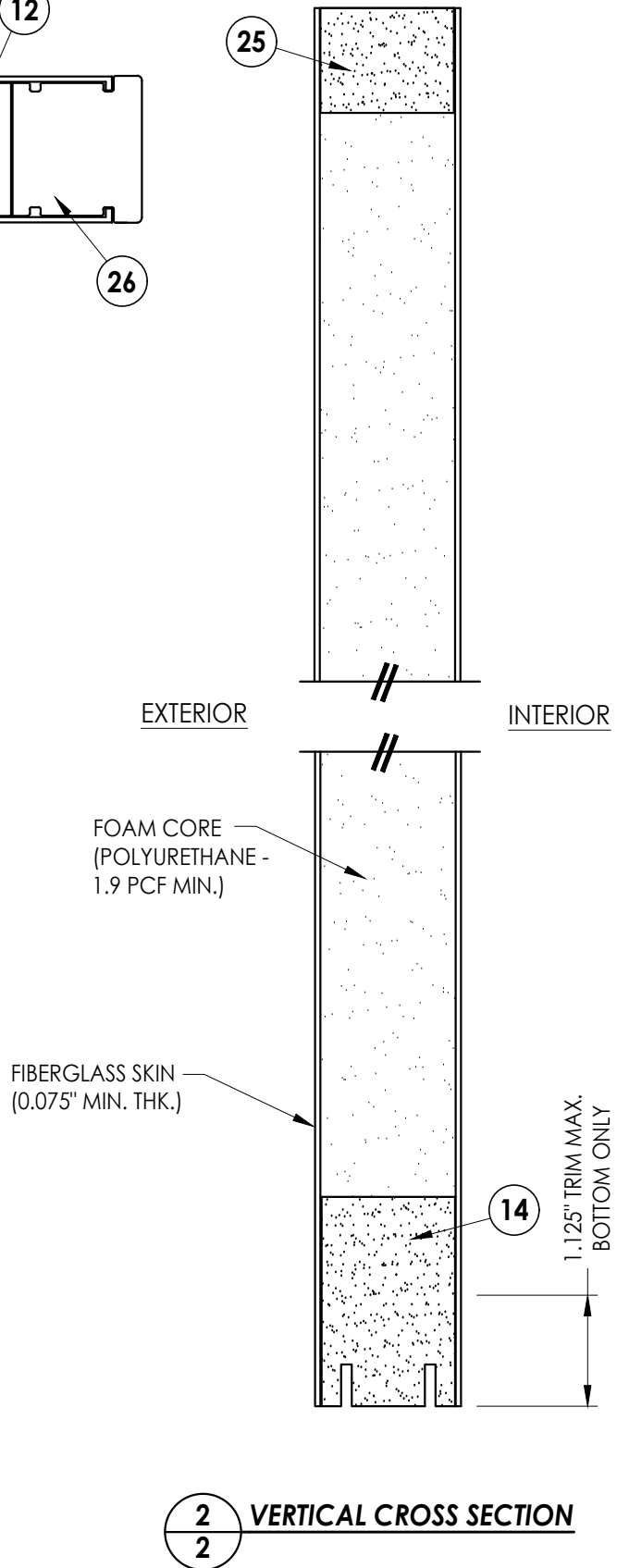
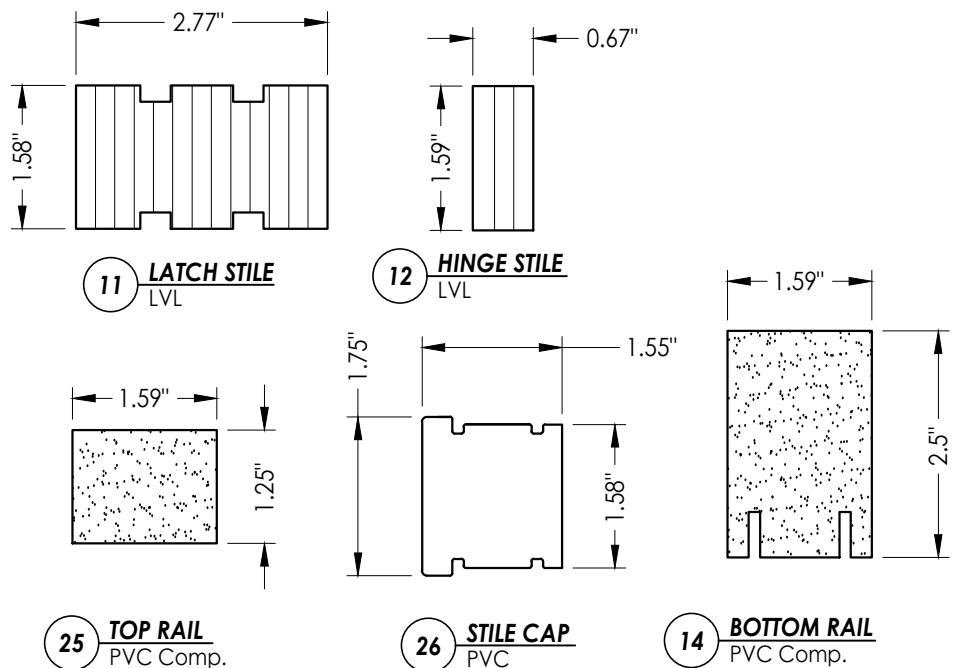
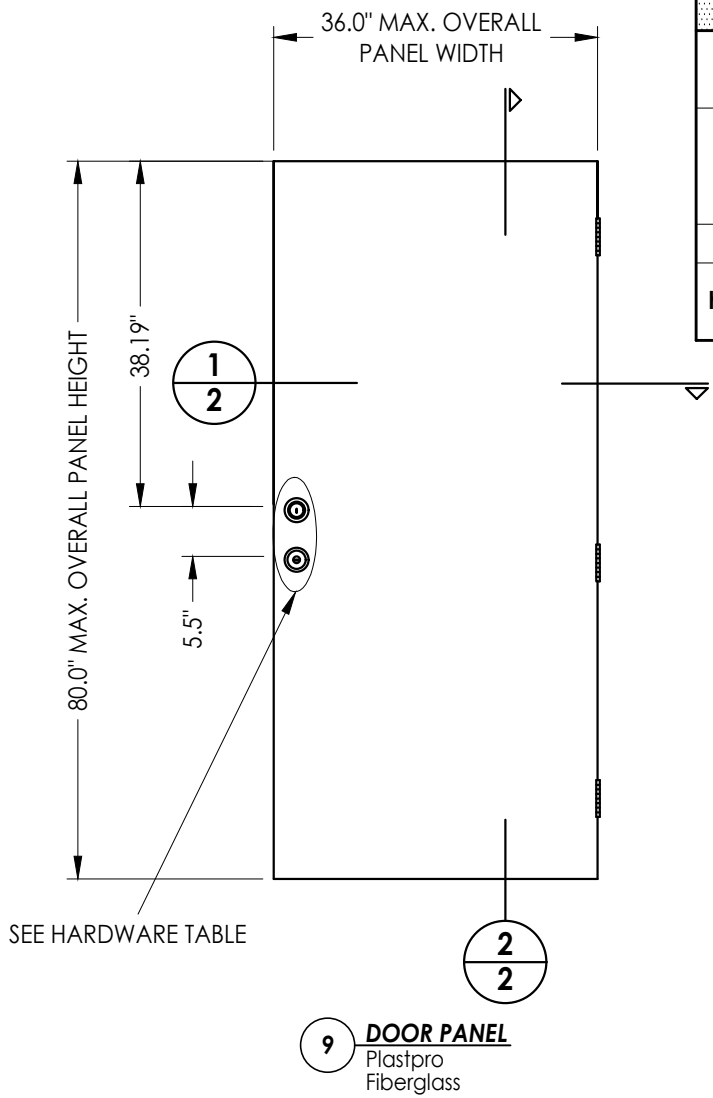
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

HARDWARE TABLE			
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)	+75.0	-75.0
SCHLAGE	KNOB: "F" SERIES (F10) LEVER: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)	+45.0	-45.0
SCHLAGE	HANDLE SET w/ DEADBOLT: "F" SERIES (F60)	+45.0	-45.0
KWIKSET / KABA	KNOB: KWIKSET (SIGNATURE SERIES) DEADBOLT: KABA "InSync™ D" RFID LOCK	+60.0	-60.0



2 **VERTICAL CROSS SECTION**

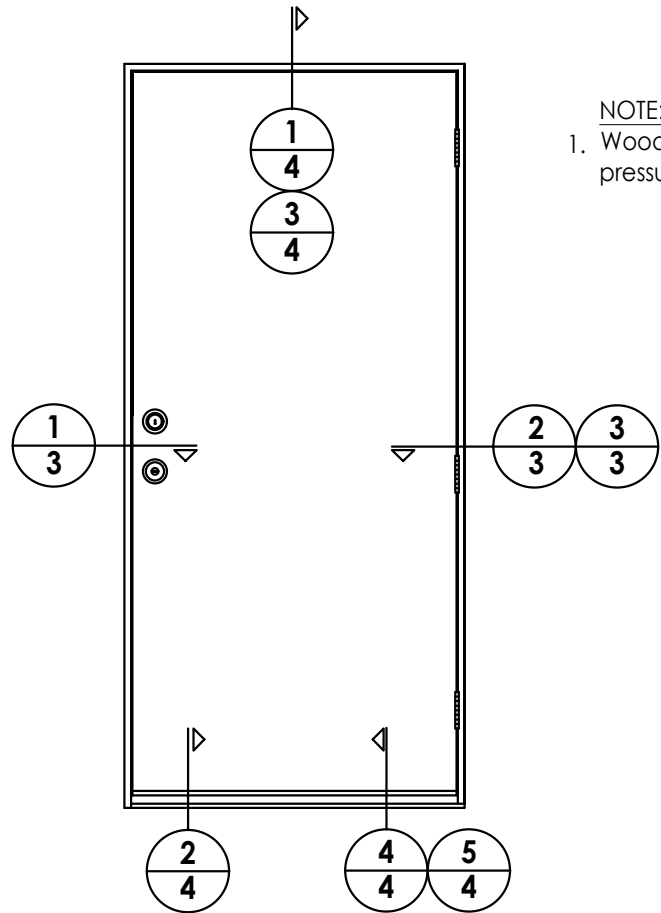
[illegible]

PRODUCT:	OPAQUE FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

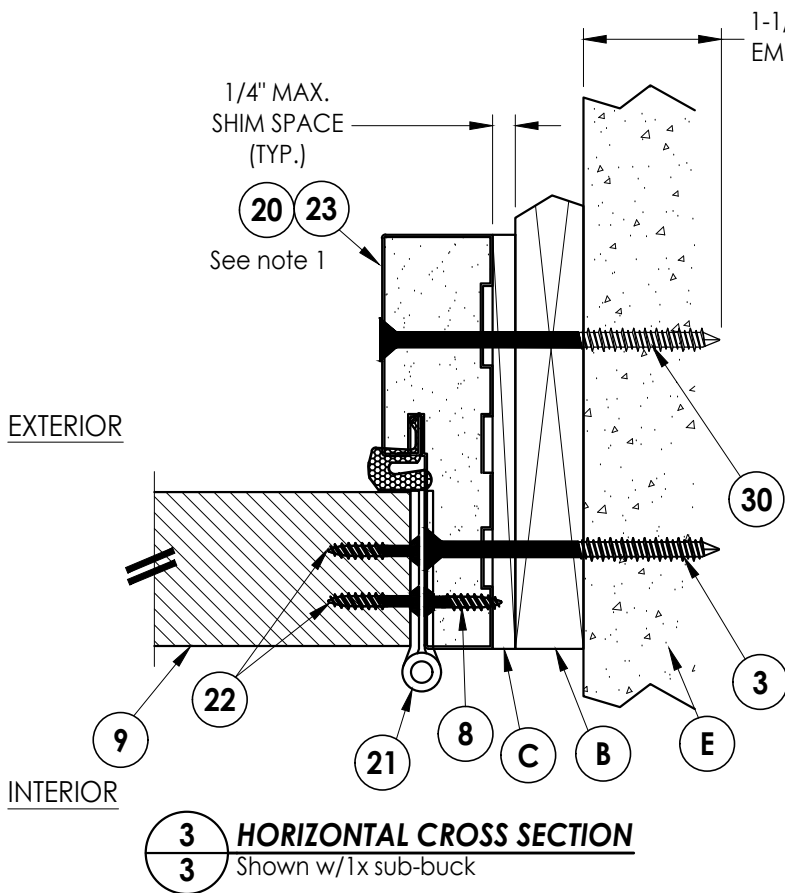
Documents Prepared By:
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P.E. No. 43409

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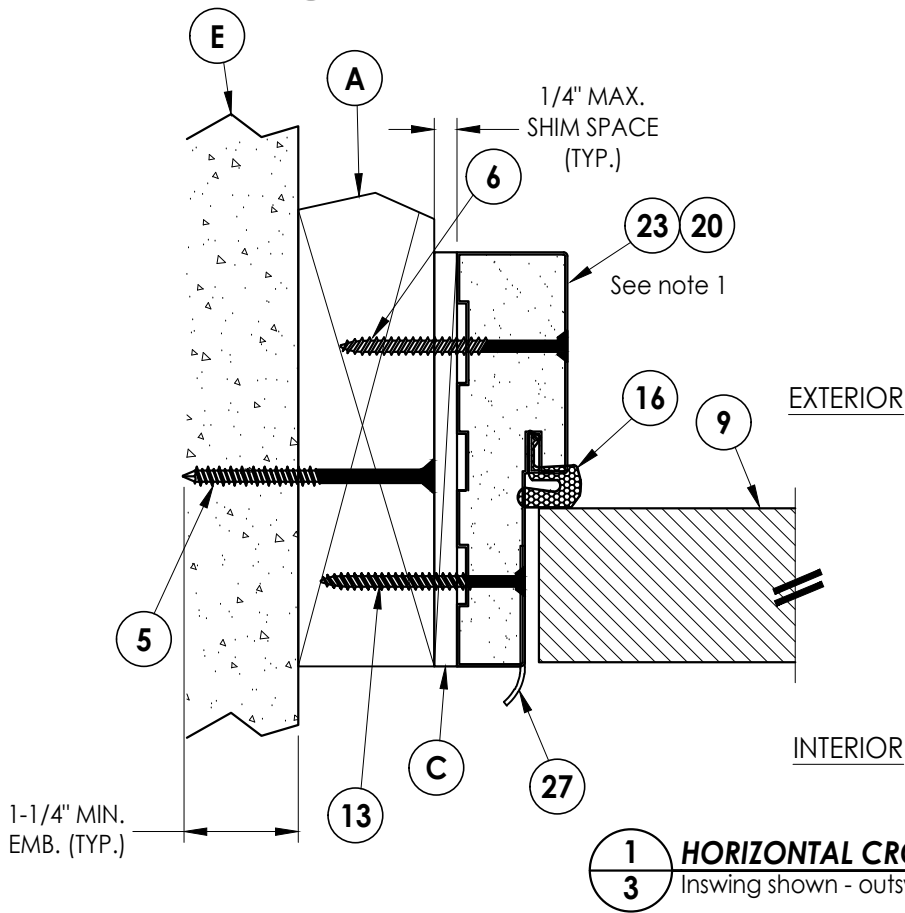
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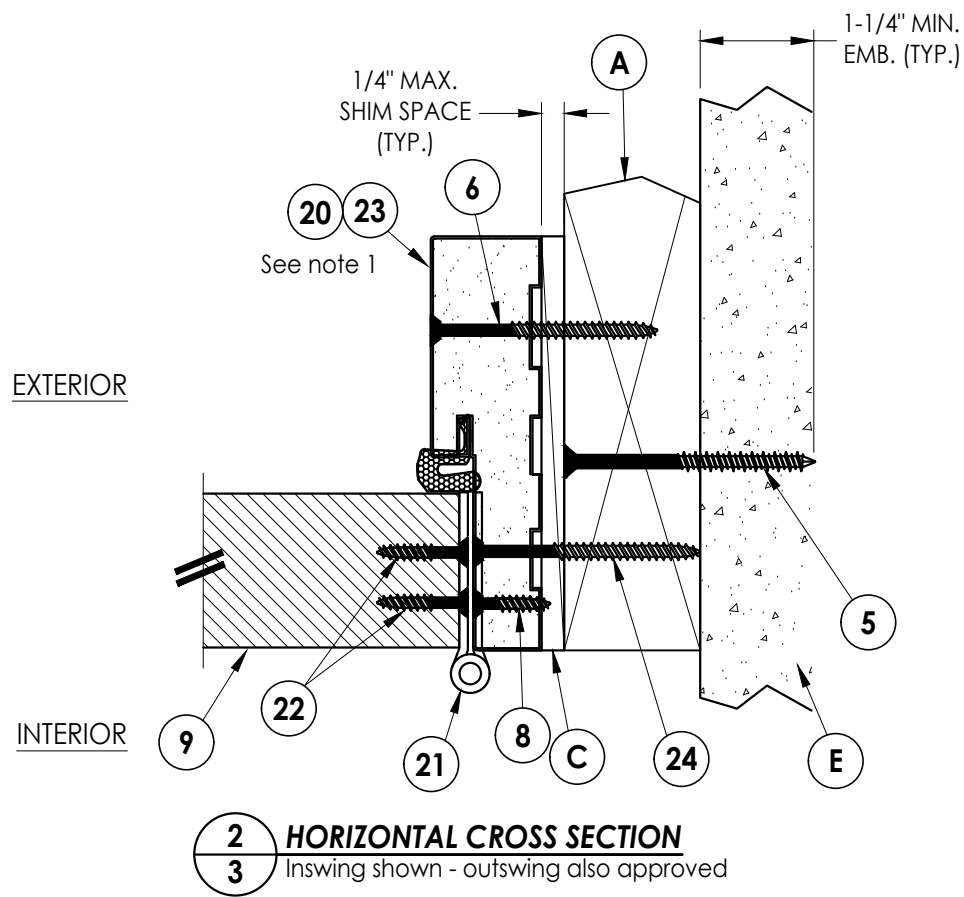
NOTE:
1. Wood Jamb max. allowable design
pressure is: + 65 / -70 psf.



3
3 **HORIZONTAL CROSS SECTION**
Shown w/1x sub-buck



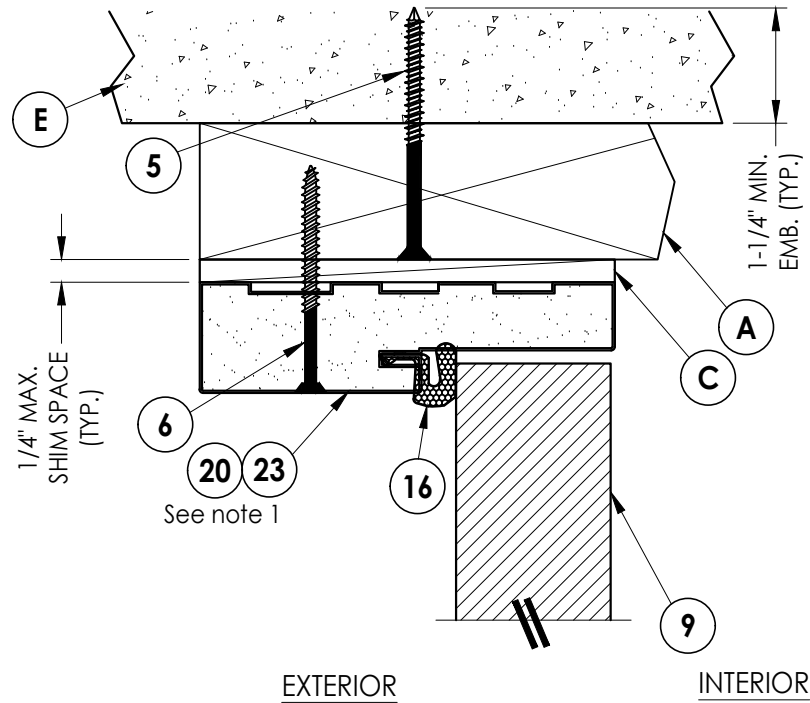
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3 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



2
3 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved

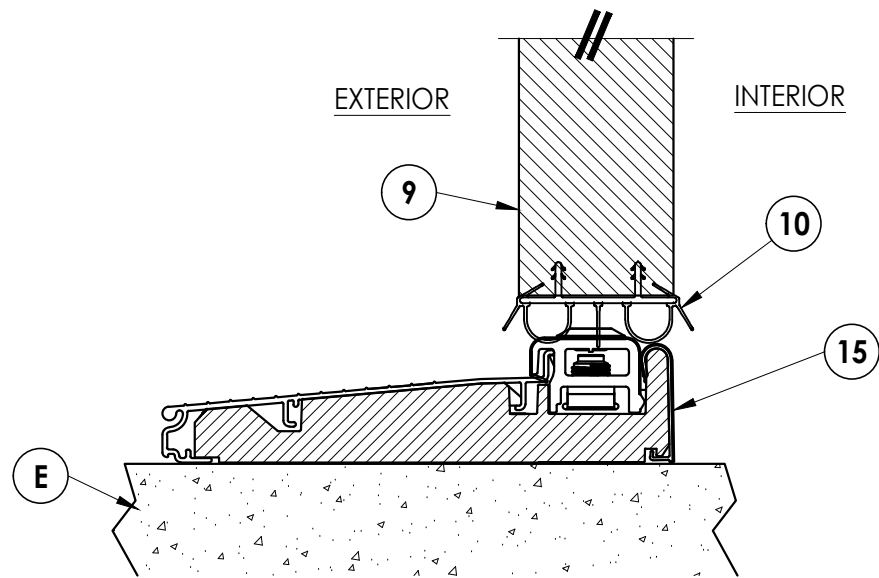
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: OPAQUE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
4	8/14/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC JK
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC JK
NO. DATE		REVISIONS	
DATE: 02/20/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15219.1			
SHEET 3 OF 6			

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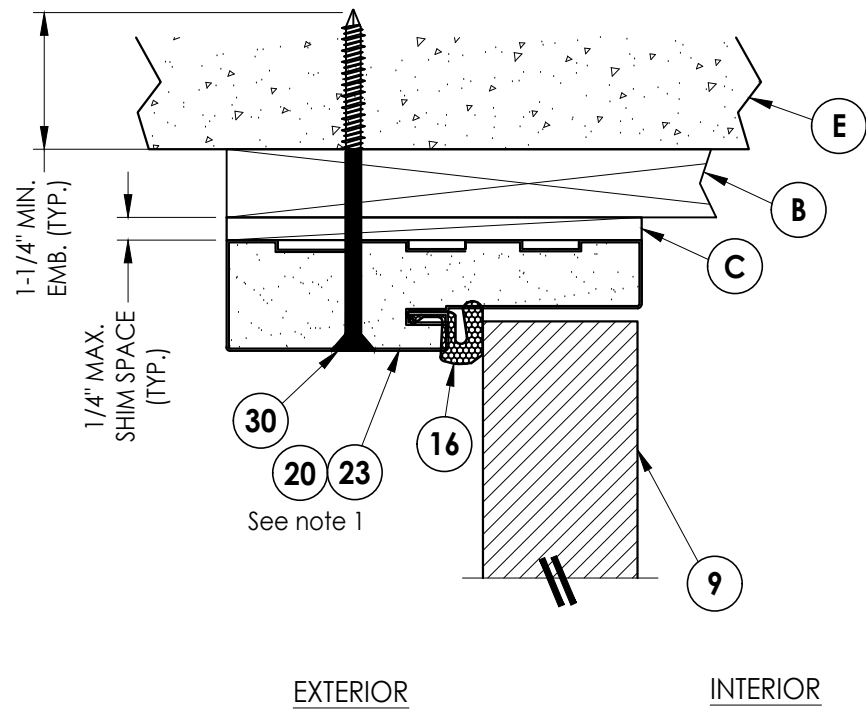


1
4 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved

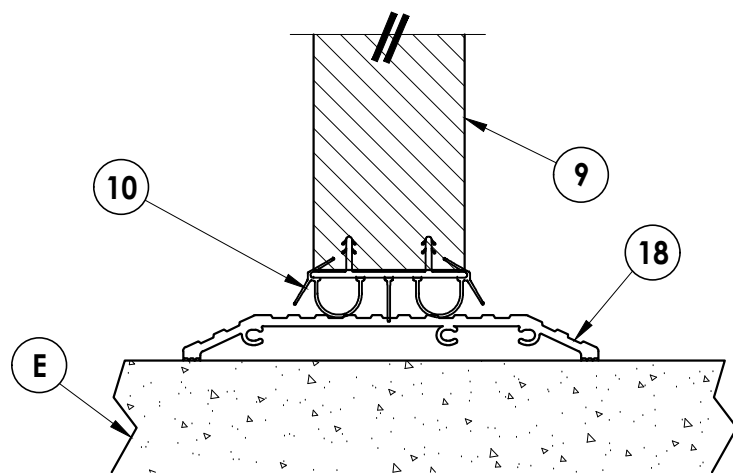
NOTE:
1. Wood Jamb max. allowable design pressure is: + 65 / -70 psf.



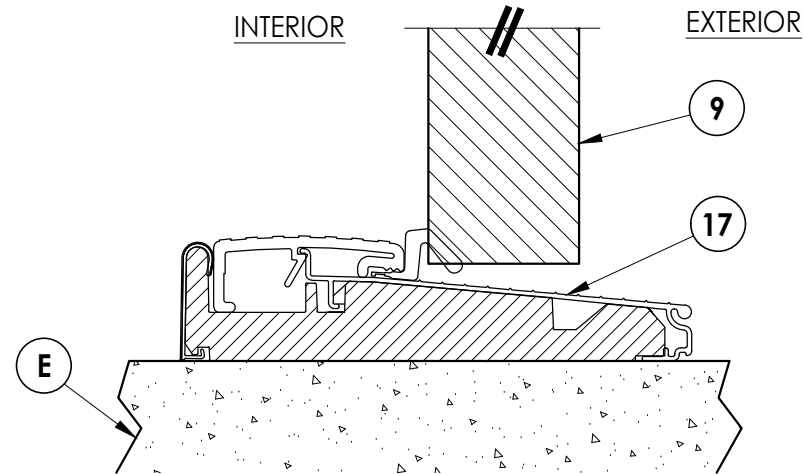
2
4 **VERTICAL CROSS SECTION**
Inswing threshold



3
4 **VERTICAL CROSS SECTION**
Shown w/1x sub-buck



5
4 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



4
4 **VERTICAL CROSS SECTION**
Outswing threshold

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PRODUCT:
OPAQUE FIBERGLASS DOOR

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
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DATE: 02/20/12

SCALE: N.T.S.

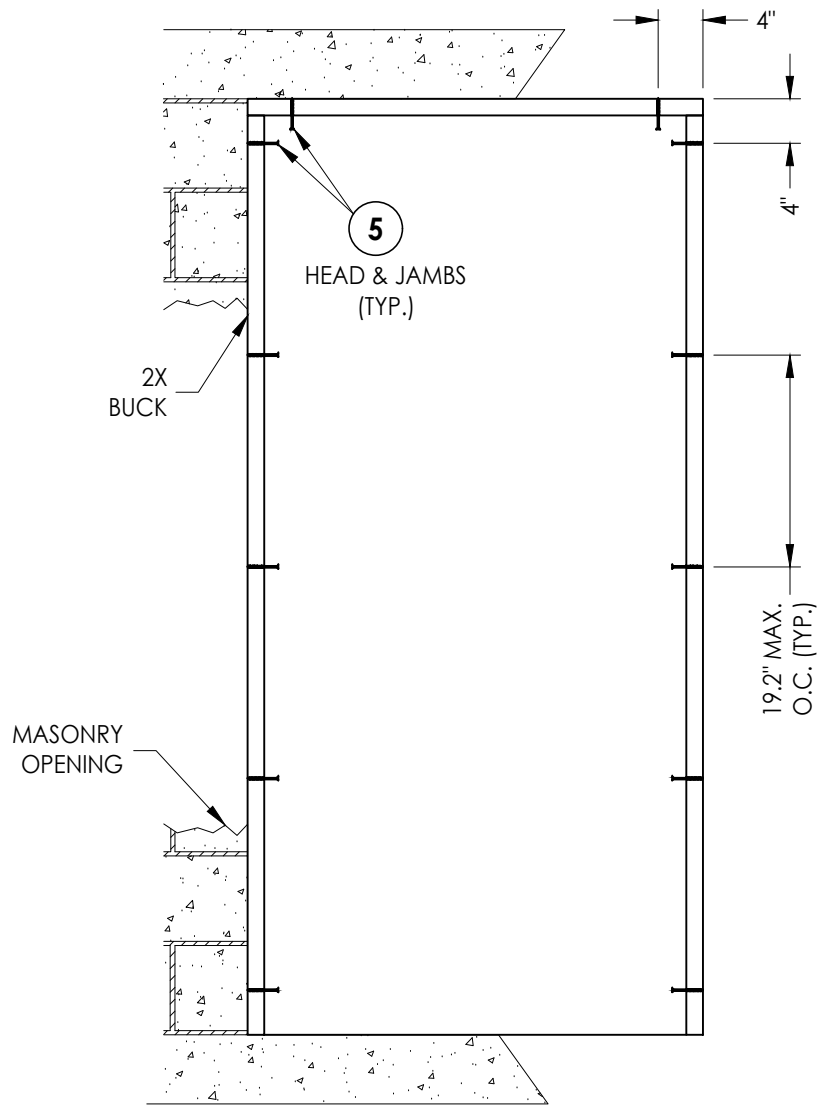
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CHK. BY: LFS

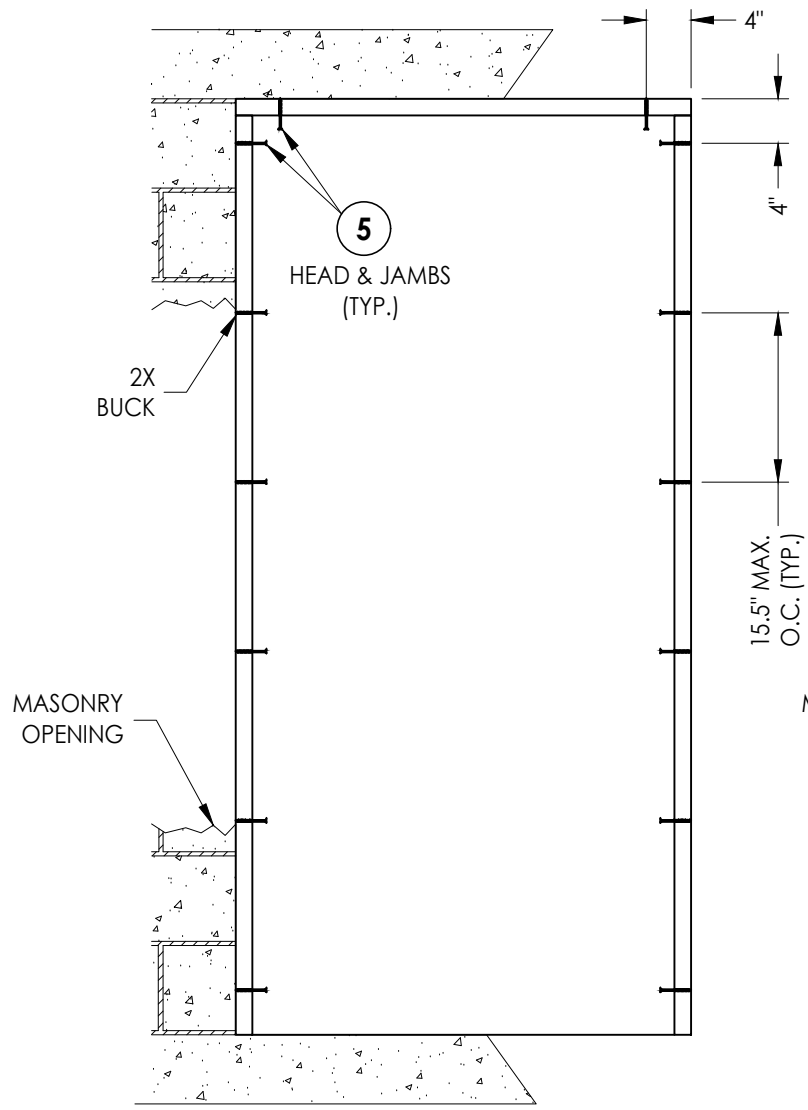
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FL-15219.1

SHEET 4 OF 6

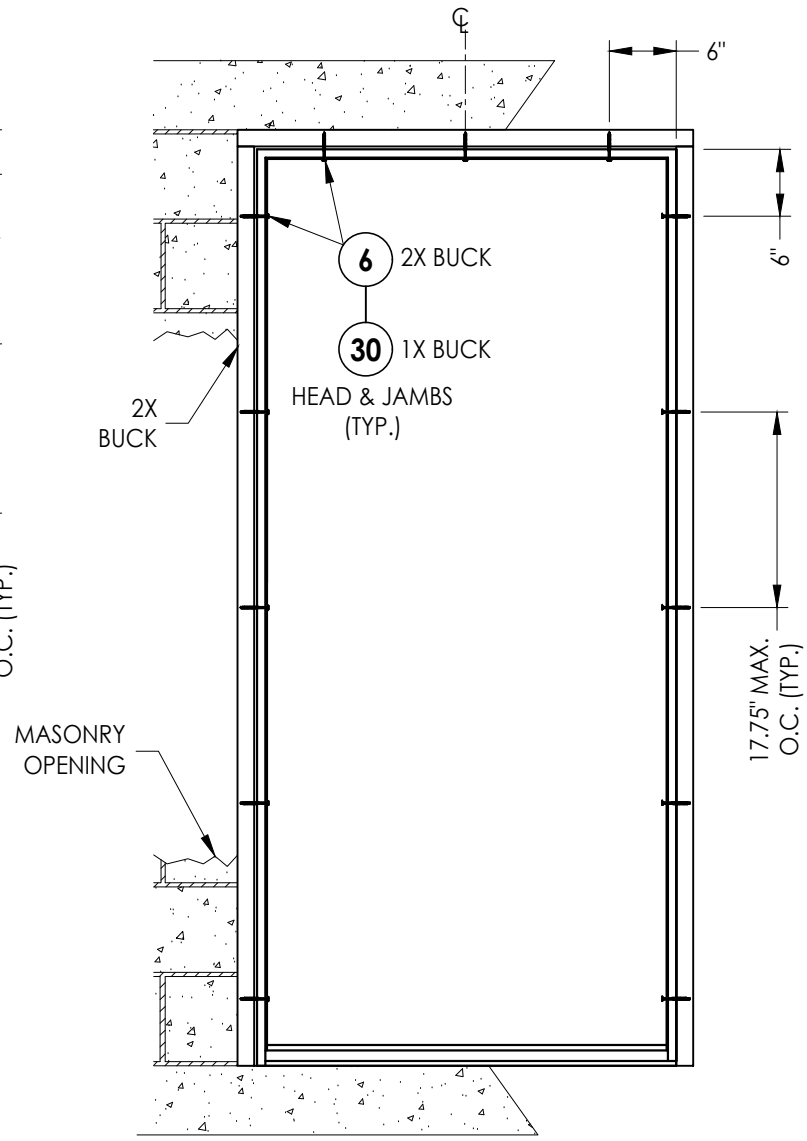
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BUCK ANCHORING
(MAX DP ≤ 50 PSF)



BUCK ANCHORING
(MAX DP ≤ 75 PSF)



FRAME ANCHORING

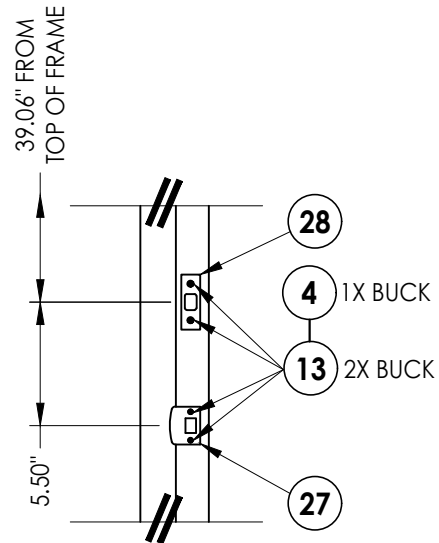
CONCRETE ANCHOR NOTES:

- 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:

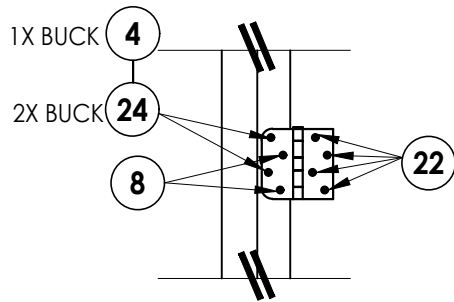
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.

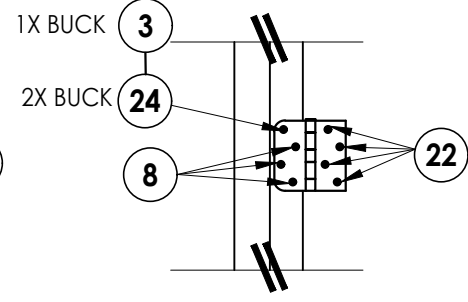


LATCH & DEADBOLT DETAIL



HINGE DETAIL 1

Hinge located @ 6-7/16" from top of door slab to top of hinge



HINGE DETAIL 2

Hinge (2) located @ 37-5/8" and 68-13/16" from top of door slab to top of hinge

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PRODUCT:
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DATE: 02/20/12

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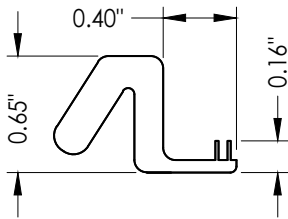
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SHEET 5 OF 6

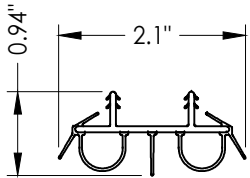
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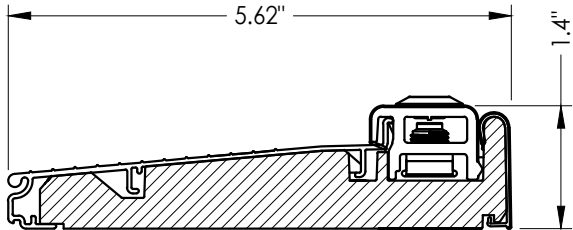
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	2X BUCK SG >= 0.55	WOOD
B	1X BUCK	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
3	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
4	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
5	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
6	#10 X 2-1/2" PFH SCREW (1.15" MIN. EMBEDMENT)	STEEL
7	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
8	#9 x 3/4" PFH WOOD SCREW	STEEL
9	FIBERGLASS DOOR PANEL	FIBERGLASS
10	DOOR BOTTOM SWEEP	VINYL
11	LATCH STILE	LVL
12	HINGE STILE	LVL
13	#9 x 2-1/4" PFH SCREW	STEEL
14	BOTTOM RAIL	PVC COMP
15	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
16	WEATHERSTRIP	FOAM
17	OUTSWING THRESHOLD	ALUM/COMP
18	ADA THRESHOLD	ALUM
20	FINGER JOINTED PINE JAMB	WOOD
21	4" x 4" BUTT HINGE	STEEL
22	#9 x 1" PFH WOOD SCREW	STEEL
23	POLY FIBER JAMB	COMP
24	#10 X 2-1/2" PFH WOOD	STEEL
25	TOP RAIL	PVC COMP
26	STILE CAP	PVC
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	1/4" x 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL



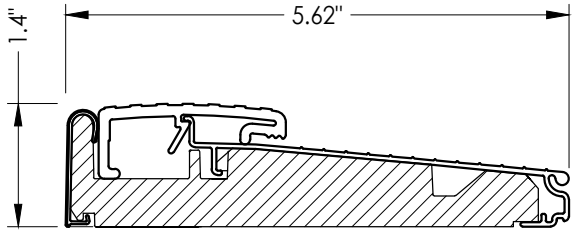
16 WEATHERSTRIP
Endura Force 5



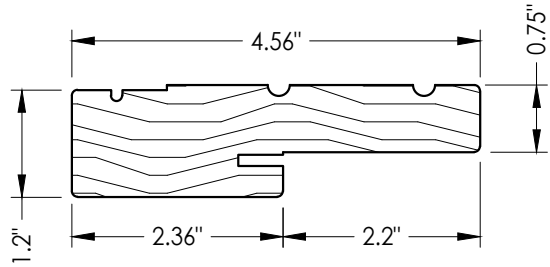
10 DOOR BOTTOM SWEEP



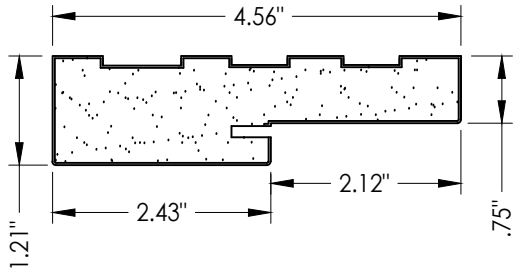
15 ADJUSTABLE INSWING THRESHOLD
Endura



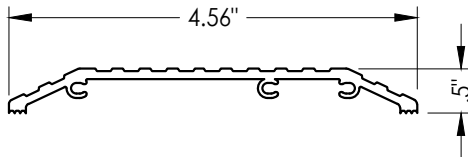
17 OUTSWING THRESHOLD
Endura



20 WOOD JAMB



23 POLY FIBER JAMB



18 ADA THRESHOLD
DLP

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PRODUCT:
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PART OR ASSEMBLY:
BILL OF MATERIALS
AND COMPONENTS

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SHEET 6 OF 6