

## "D" SERIES SINGLE OPAQUE DOOR "IMPACT" OUTSWING

### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. The "D" door achieves a Class I stiffness classification per Section 8.2.2 of ANSI A250.13.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

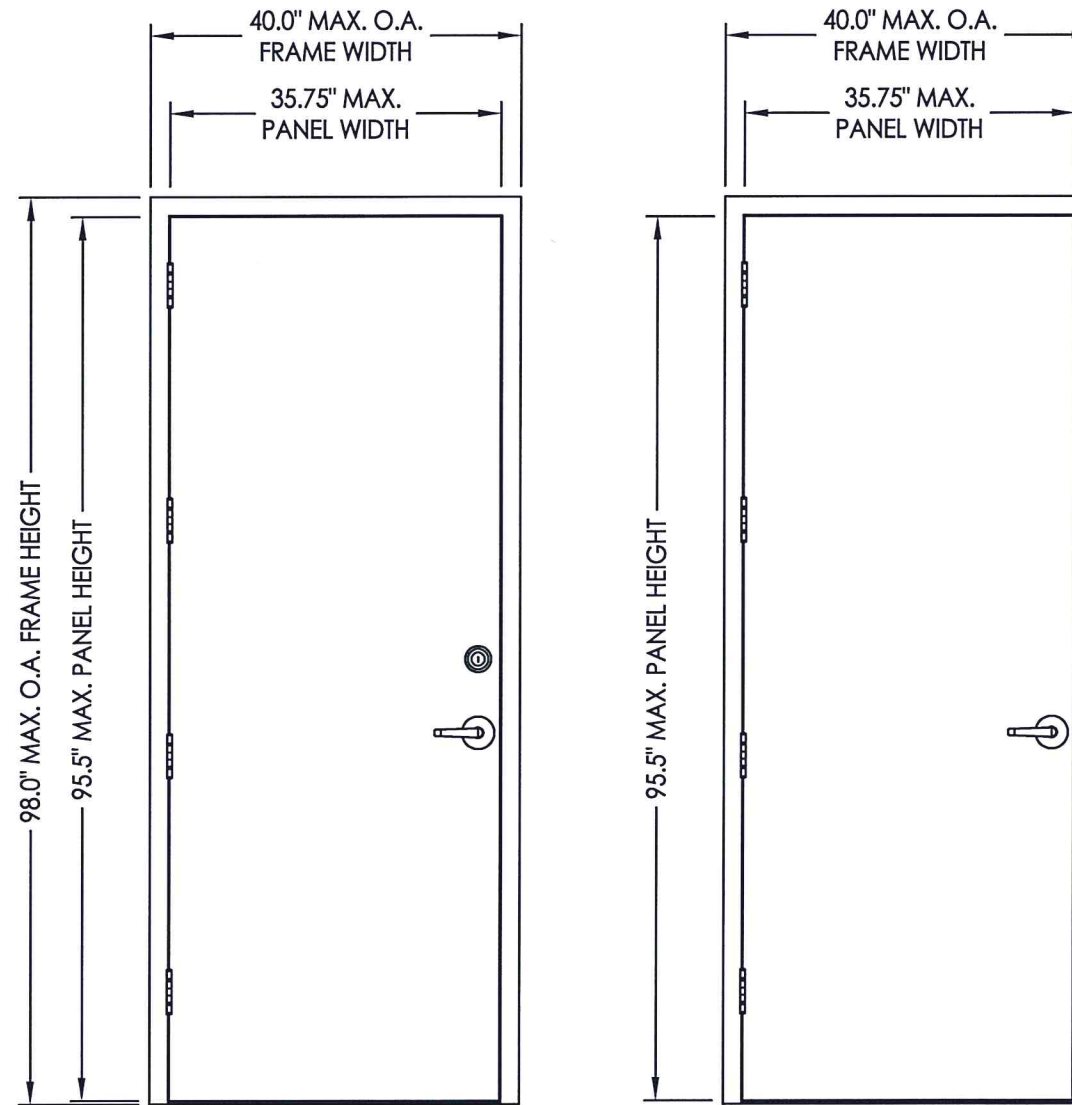


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2	Door panel details
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6	Vertical cross sections
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8	Anchoring details
9	Components
10	Bill of materials and components

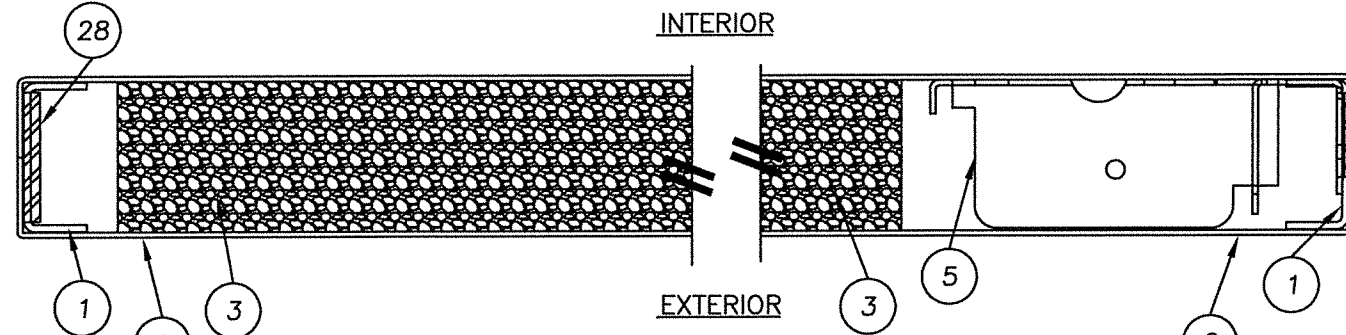
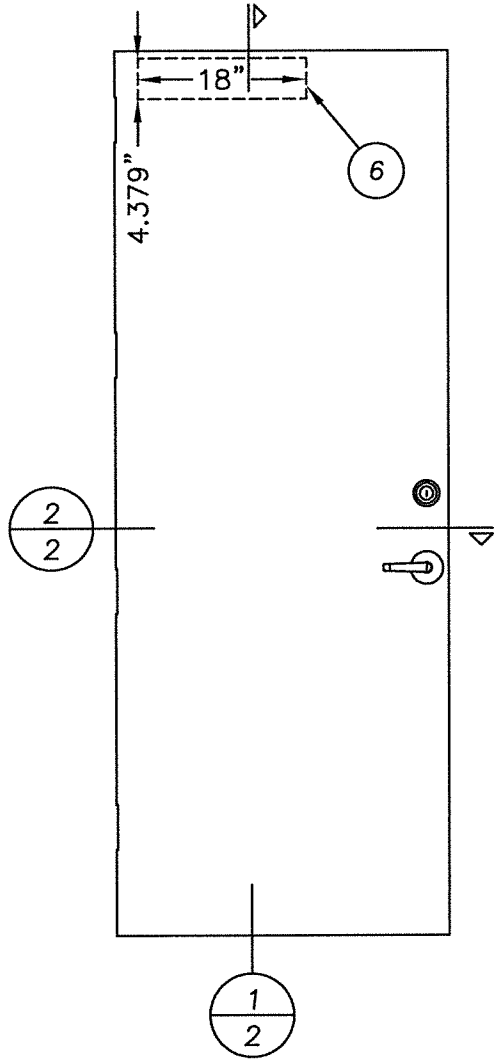
OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
40.0" x 98.0"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+80.0	-80.0
	161 LATCH & DEADBOLT (SCHLAGE)	+80.0	-80.0
	161 LATCH (SCHLAGE)	+55.0	-55.0

November 15, 2022  
 Documents Prepared By:  
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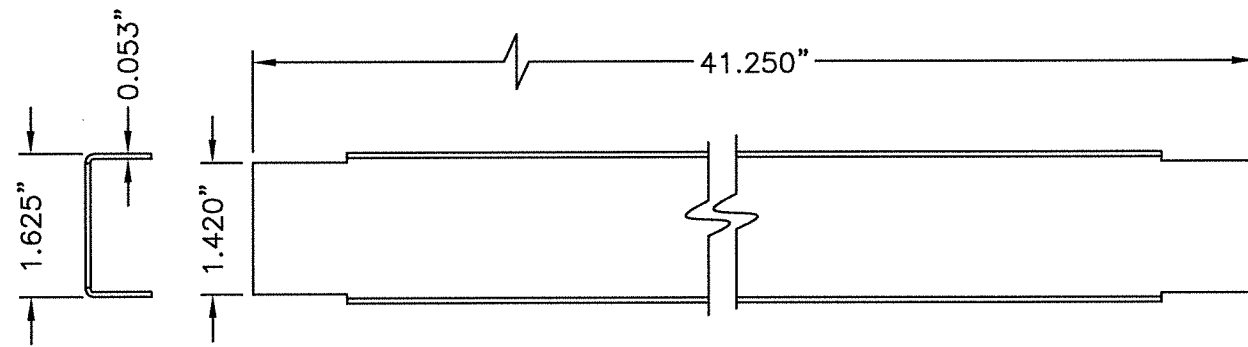
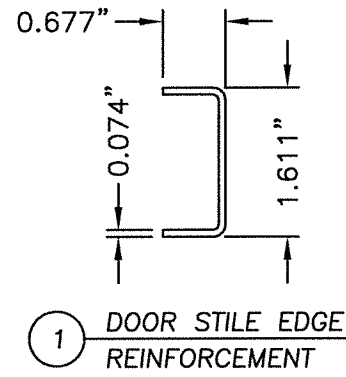
**R.W.** BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE Registry No. 9813

PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"	PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
NO.	DATE
	BY
	REVISIONS

DATE: 11/10/22  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-41788.10  
 SHEET 1 OF 10

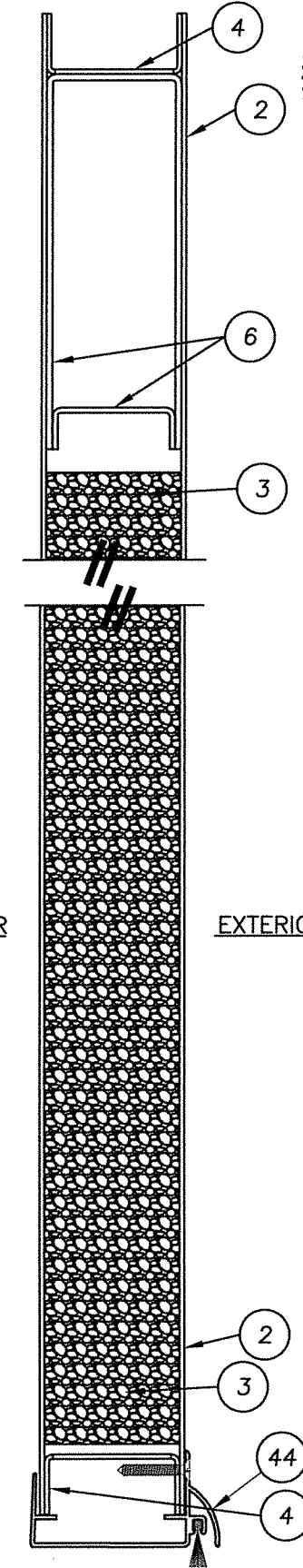


$\frac{2}{2}$  HORIZONTAL CROSS SECTION



$\frac{4}{4}$  DOOR TOP & BOTTOM CLOSER  
16GA. (.053) C.R.S.

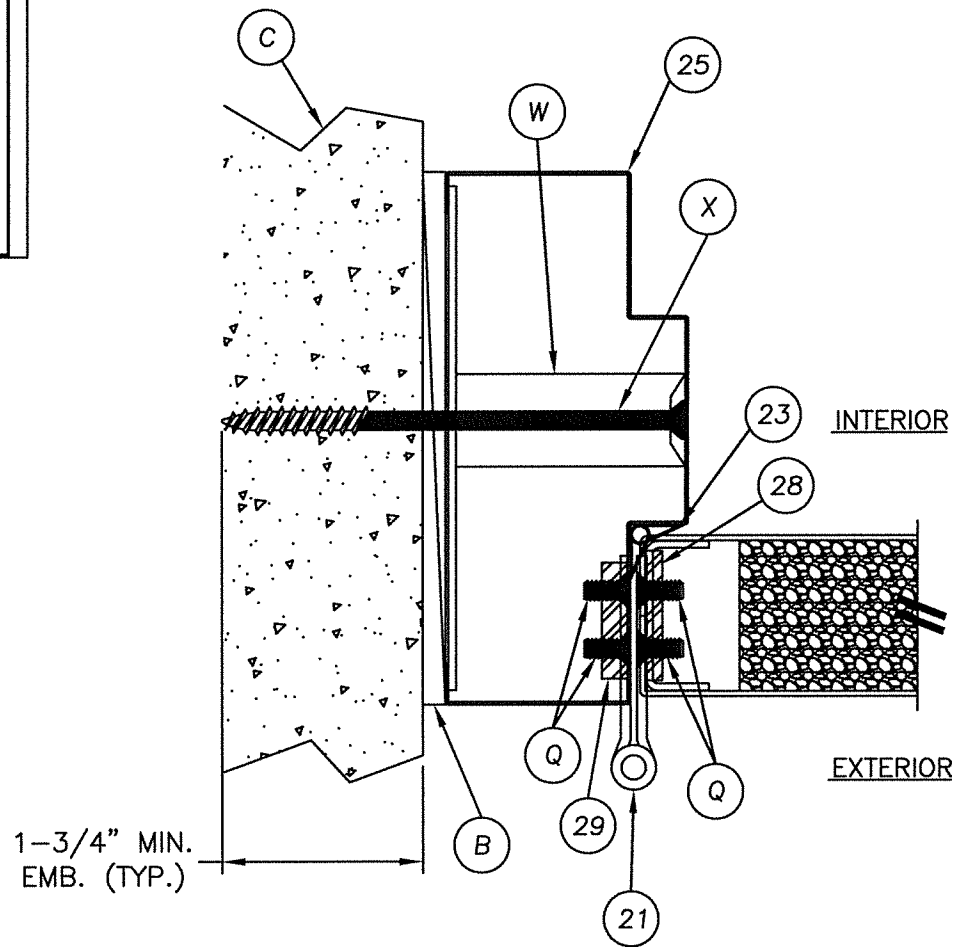
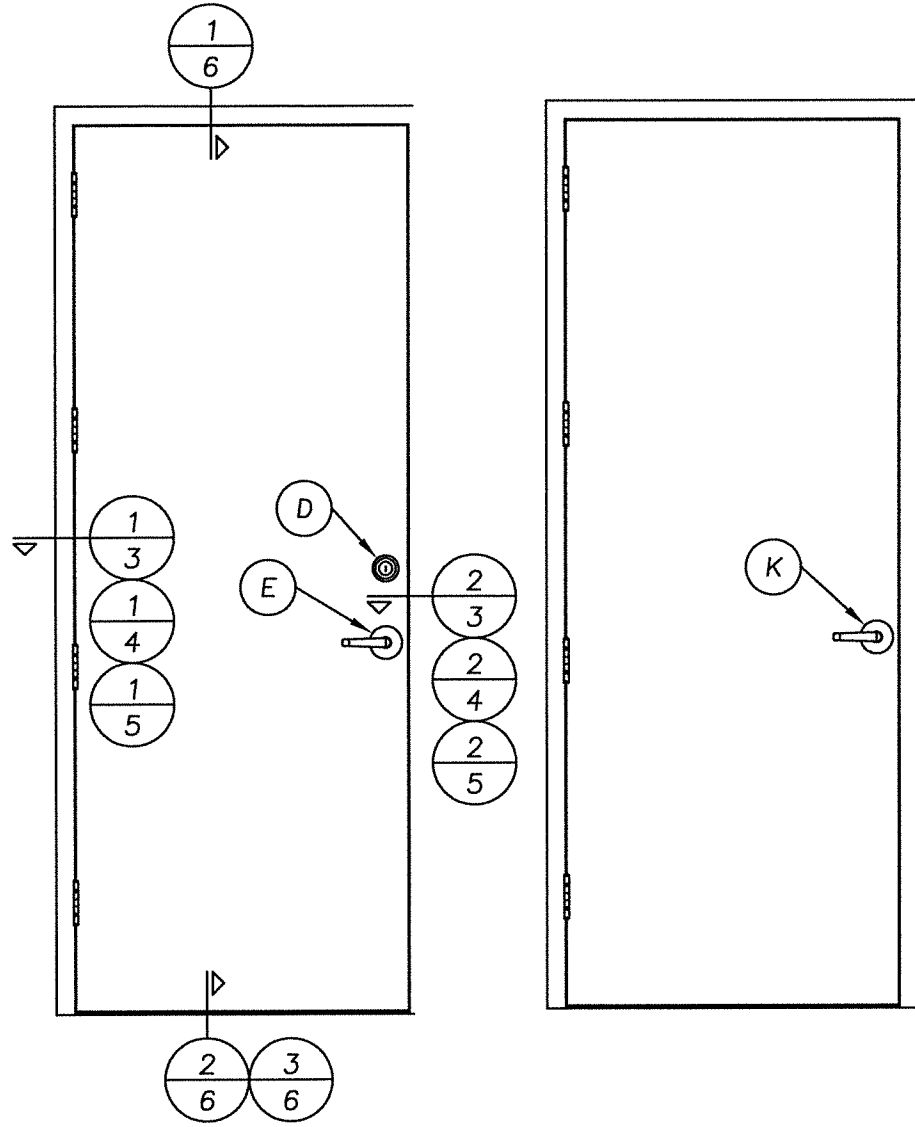
INTERIOR EXTERIOR



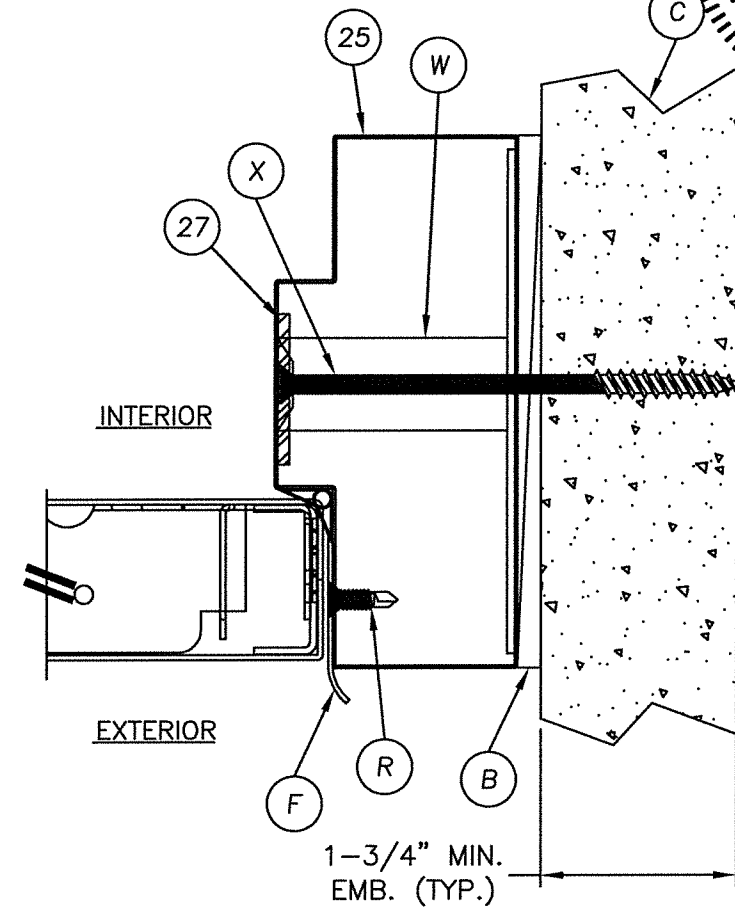
$\frac{1}{2}$  VERTICAL CROSS SECTION

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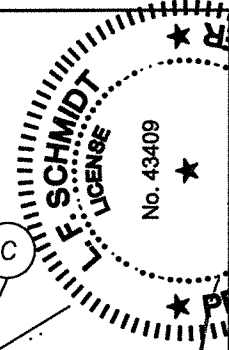
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NO.	DATE	BY	REVISIONS
DATE: 11/10/22		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-41788.10		SHEET 2 OF 10	



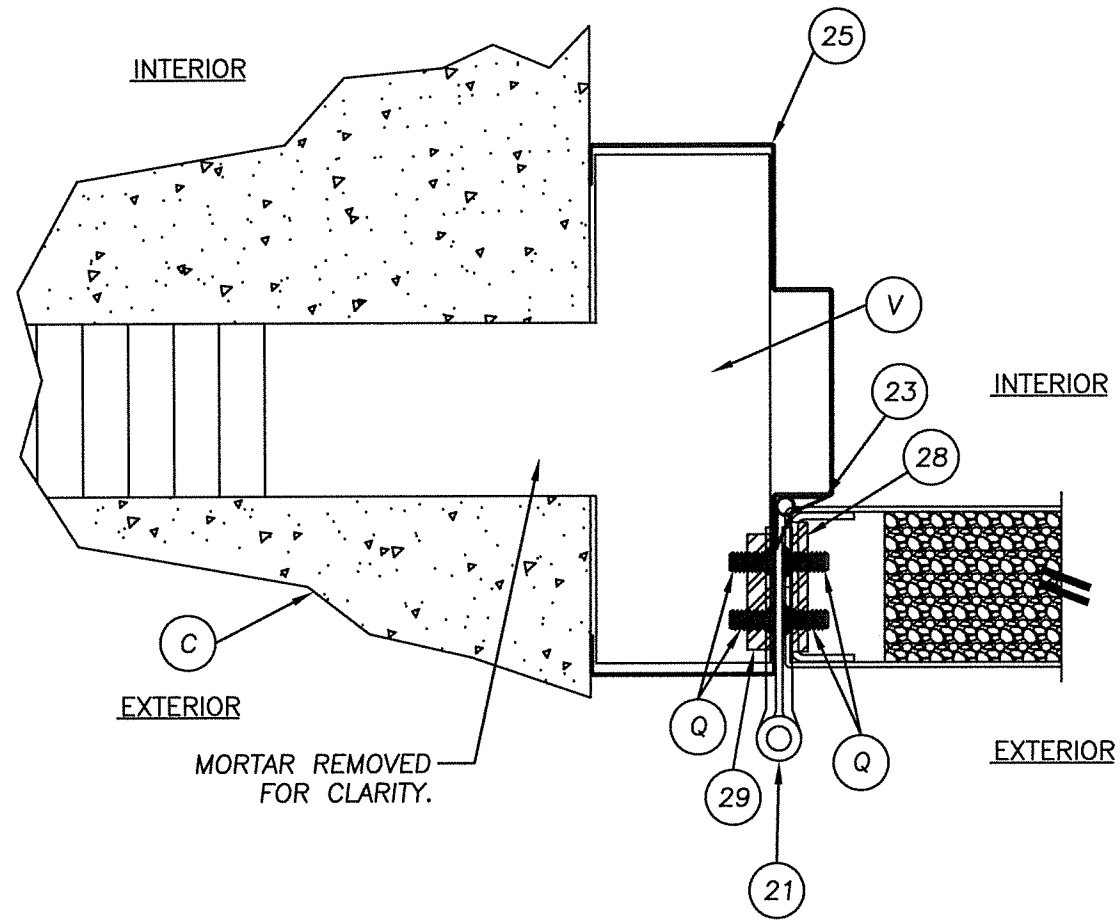
1 HORIZONTAL CROSS SECTION  
3 @ HINGE  
SHOWN WITH TUBE ANCHOR



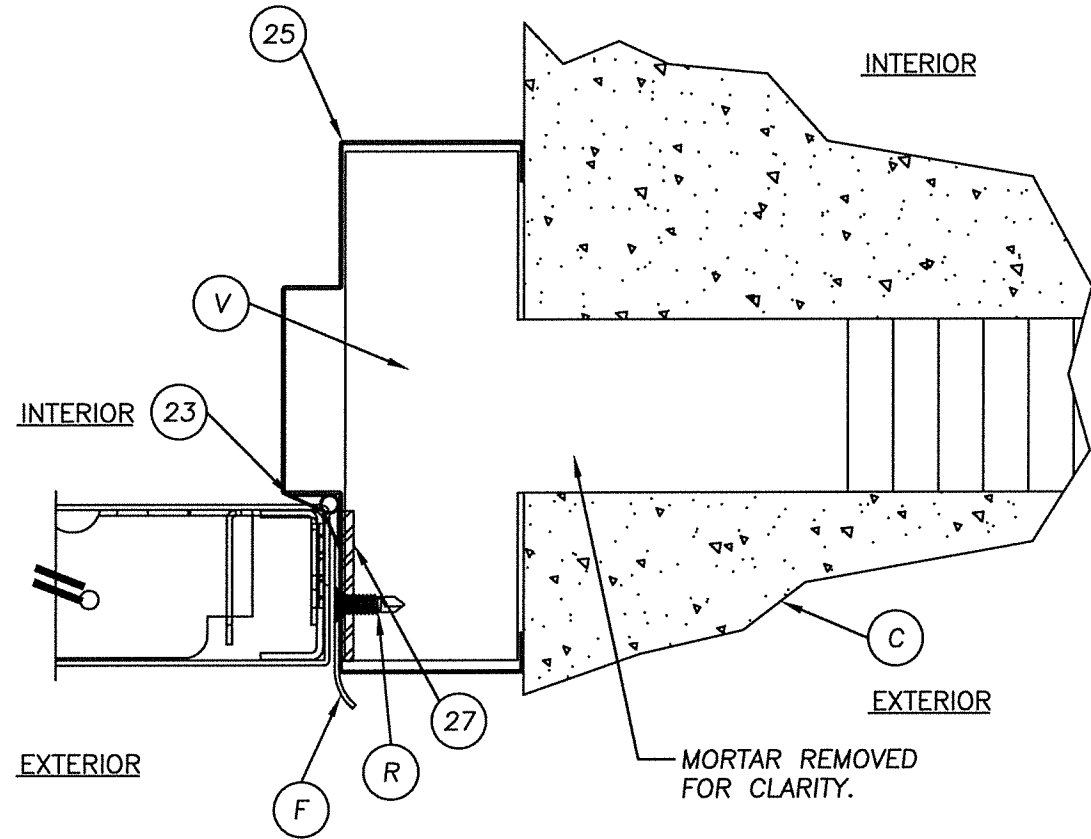
2 HORIZONTAL CROSS SECTION  
3 @ HINGE  
SHOWN WITH TUBE ANCHOR

  
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PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		REVISIONS	
NO.	DATE	BY	
DATE: 11/10/22		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-41788.10		SHEET 3 OF 10	



1 HORIZONTAL CROSS SECTION  
 4 @ LATCH SHOWN WITH TEE ANCHOR



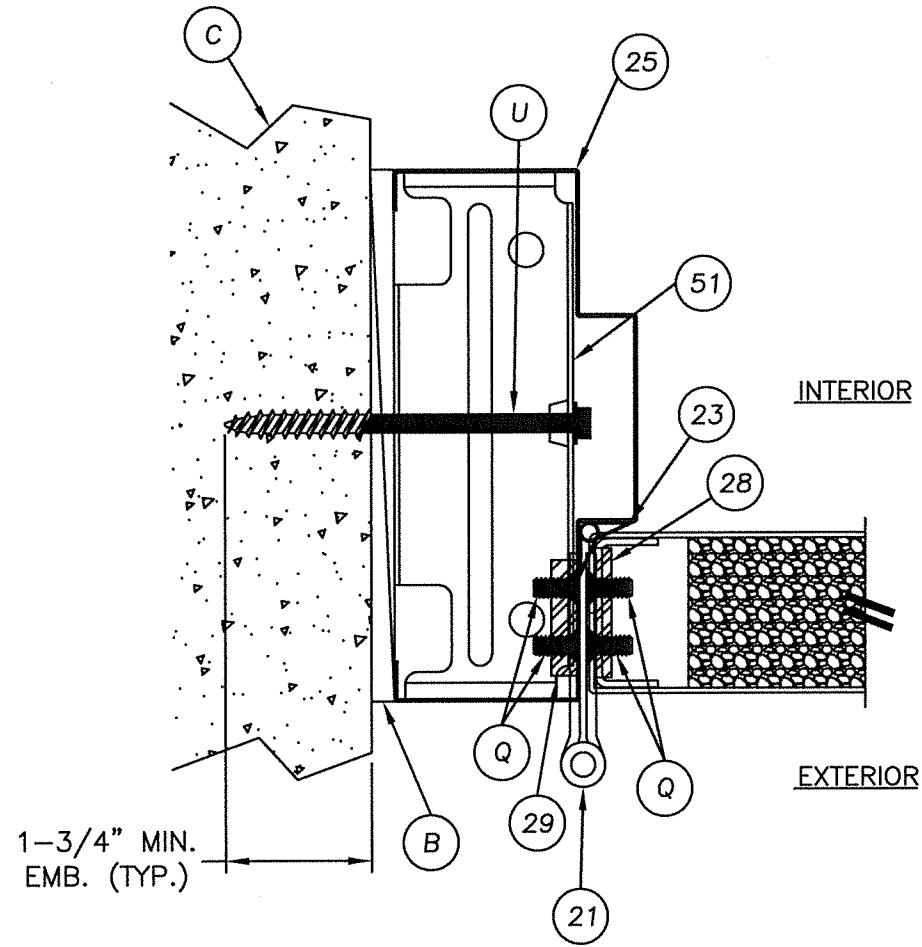
2 HORIZONTAL CROSS SECTION  
 4 @ LATCH SHOWN WITH TEE ANCHOR

L.F. SCHMIDT  
 LICENSE No. 43409  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

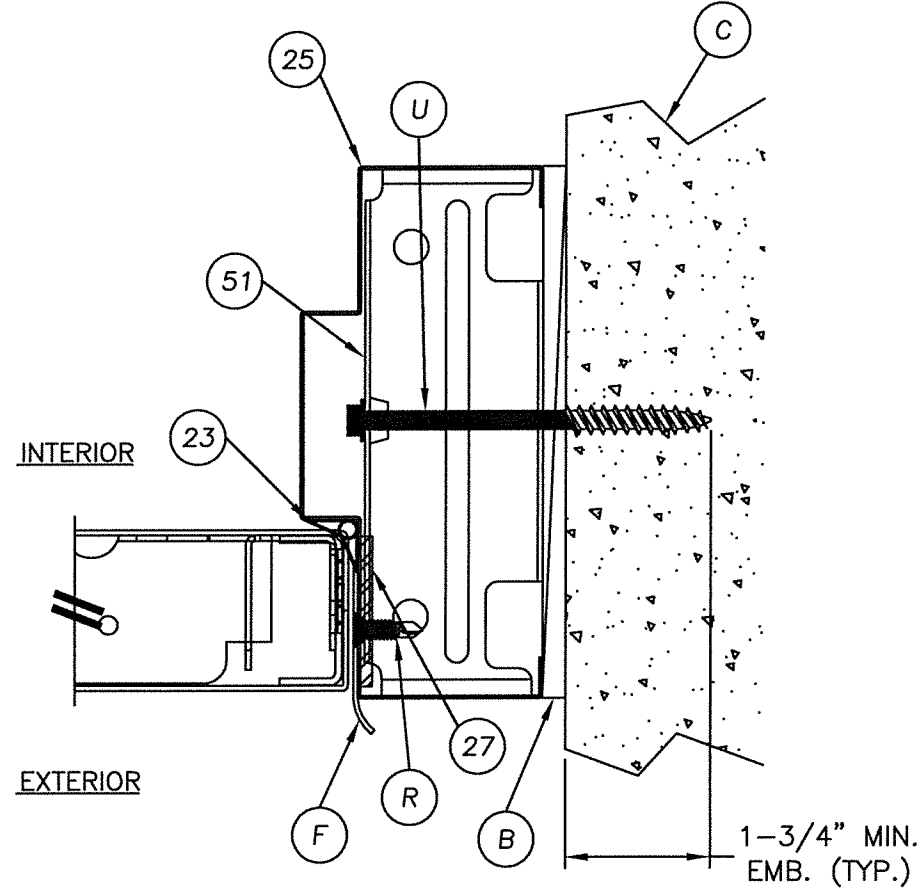
*RW*  
 November 15, 2022  
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PRODUCT:		PREMIER PRODUCTS, INC.	
		"D" PANELS "IMPACT"	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
DATE: 11/10/22		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.:		FL-41788.10	
SHEET 4 OF 10			



1 HORIZONTAL CROSS SECTION  
 5 @ LATCH SHOWN WITH UNIVERSAL ANCHOR

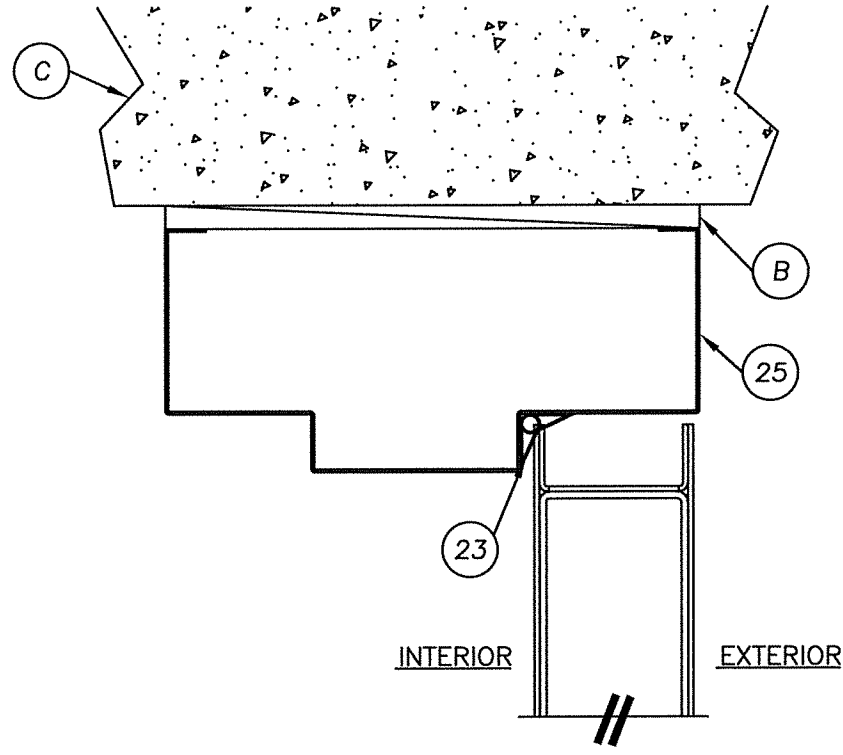


2 HORIZONTAL CROSS SECTION  
 5 @ LATCH SHOWN WITH UNIVERSAL ANCHOR

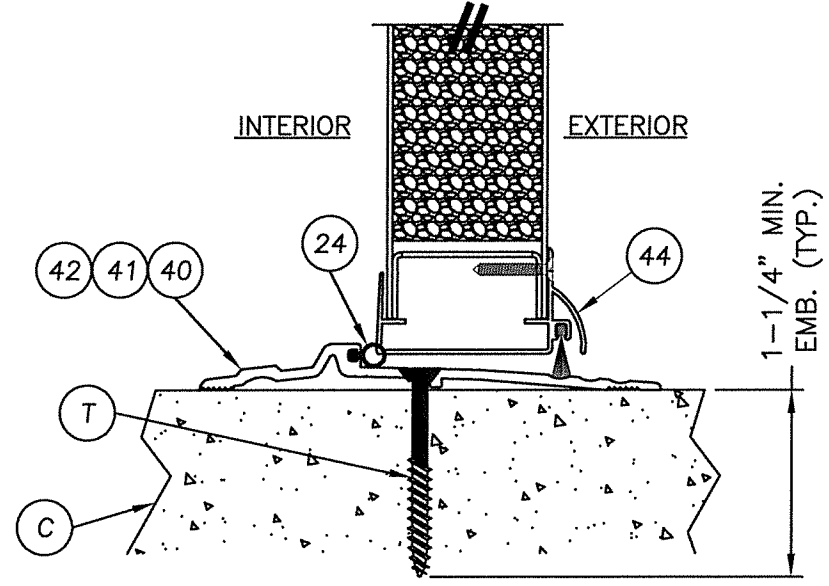
*LFS*  
 November 15, 2022  
 Documents Prepared By:  
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 P.E. No. 43409

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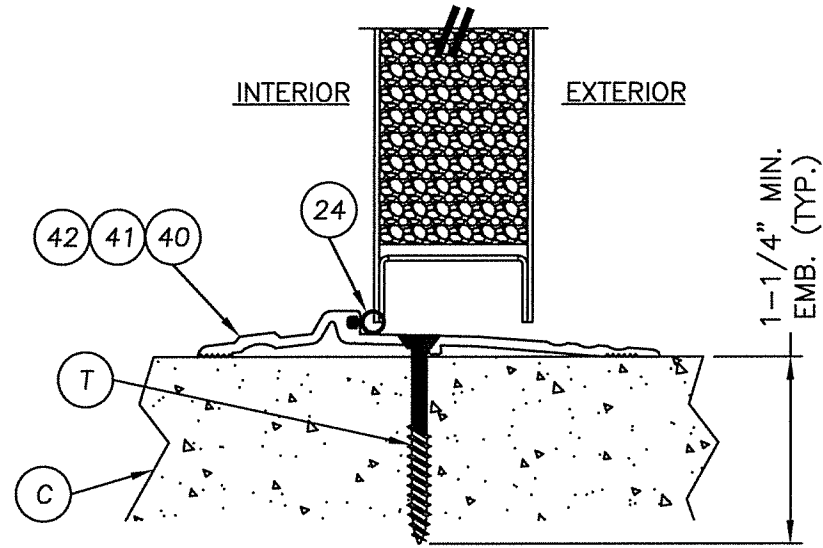
PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS
NO.	DATE
NO.	REVISIONS
BY	
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SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-41788.10	
SHEET 5 OF 10	



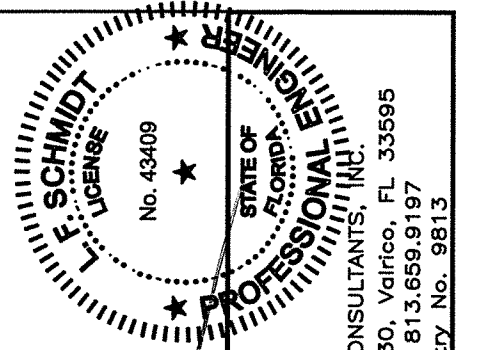
1 VERTICAL CROSS SECTION  
6 @ HEAD



3 VERTICAL CROSS SECTION  
6 @ THRESHOLD



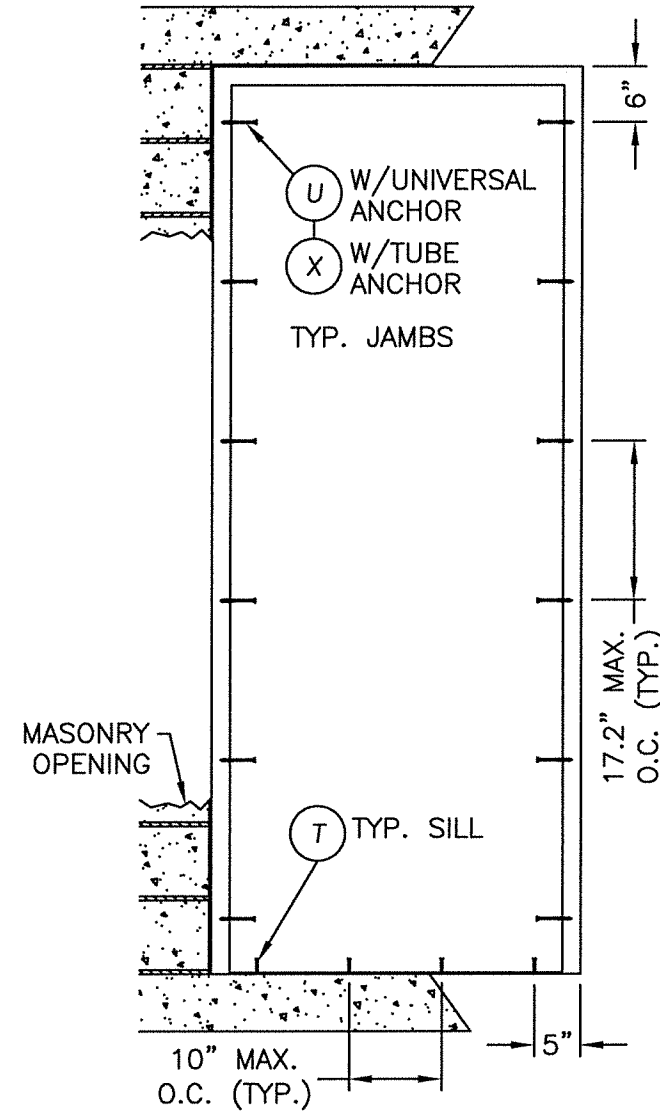
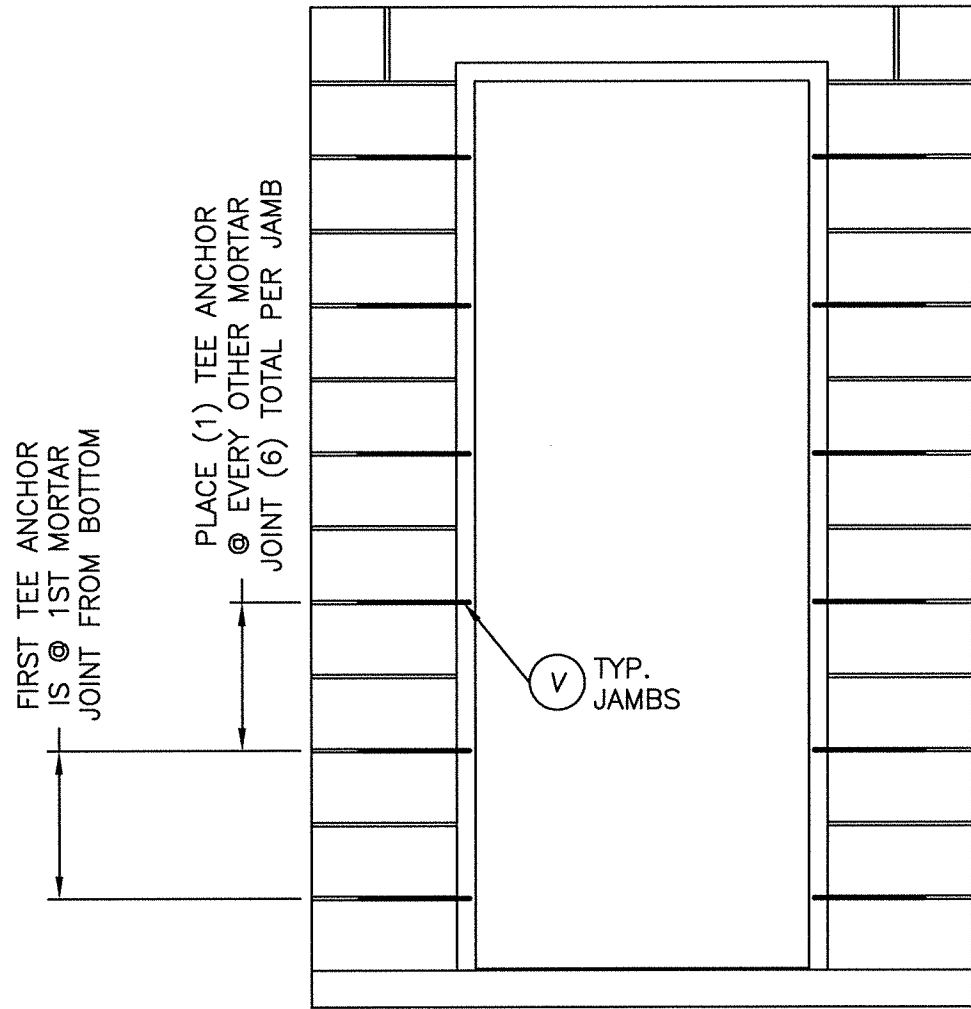
2 VERTICAL CROSS SECTION  
6 @ THRESHOLD



November 15, 2022  
 Documents Prepared By:  
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PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DATE: 11/10/22		NO. DATE	
SCALE: N.T.S.		REVISIONS	
DWG. BY: LFS		BY	
CHK. BY: RW		NO. DATE	
DRAWING NO.: FL-41788.10		NO. DATE	
SHEET 6 of 10		NO. DATE	



**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:

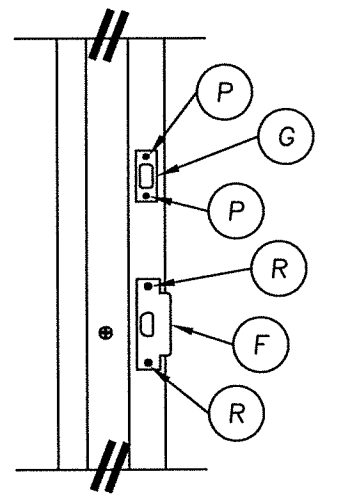
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
ITW TAPCON® XL	5/16"	1-3/4"	2-1/2"	5"
DeWALT ULTRACON®	5/16"	1-3/4"	3-1/8"	5"

4. Embedment may be through 1-1/4" face shell of hollow block.

*[Signature]*  
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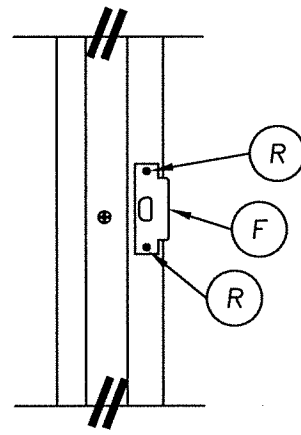
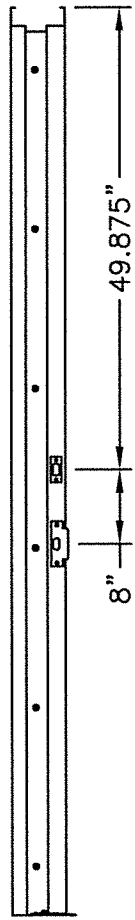
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PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"	PART OR ASSEMBLY: FRAME ANCHORING
REVISIONS	NO. DATE BY
DATE: 11/10/22	
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DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-41788.10	
SHEET 7 OF 10	



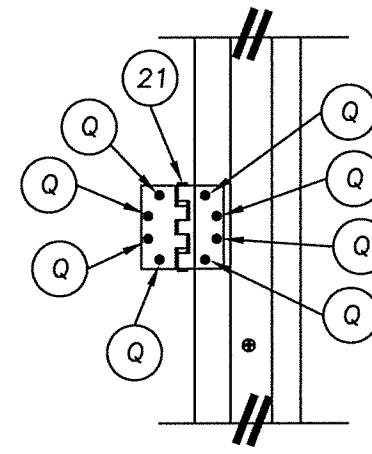
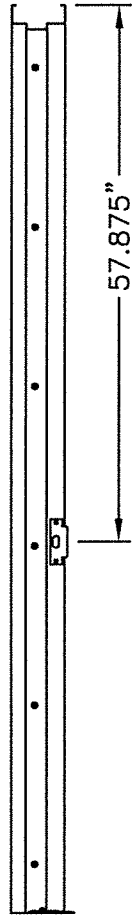
STRIKE PLATE DETAIL  
ANSI STRIKE & DEADBOLT

STRIKE PLATE  
LOCATIONS 2" HEAD



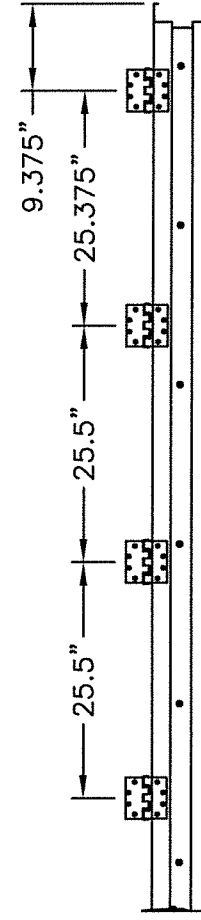
STRIKE PLATE DETAIL  
ANSI STRIKE

STRIKE PLATE  
LOCATION 2" HEAD



HINGE DETAIL

HINGE LOCATIONS  
2" HEAD



DATE:	11/10/22
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41788.10
SHEET	8 OF 10

NO.	DATE	REVISIONS	BY

PRODUCT:  
PREMIER PRODUCTS, INC.  
"D" PANELS "IMPACT"

PART OR ASSEMBLY:  
ANCHORING DETAILS

November 15, 2022  
 Documents Prepared By:  
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 P.E. No. 43409

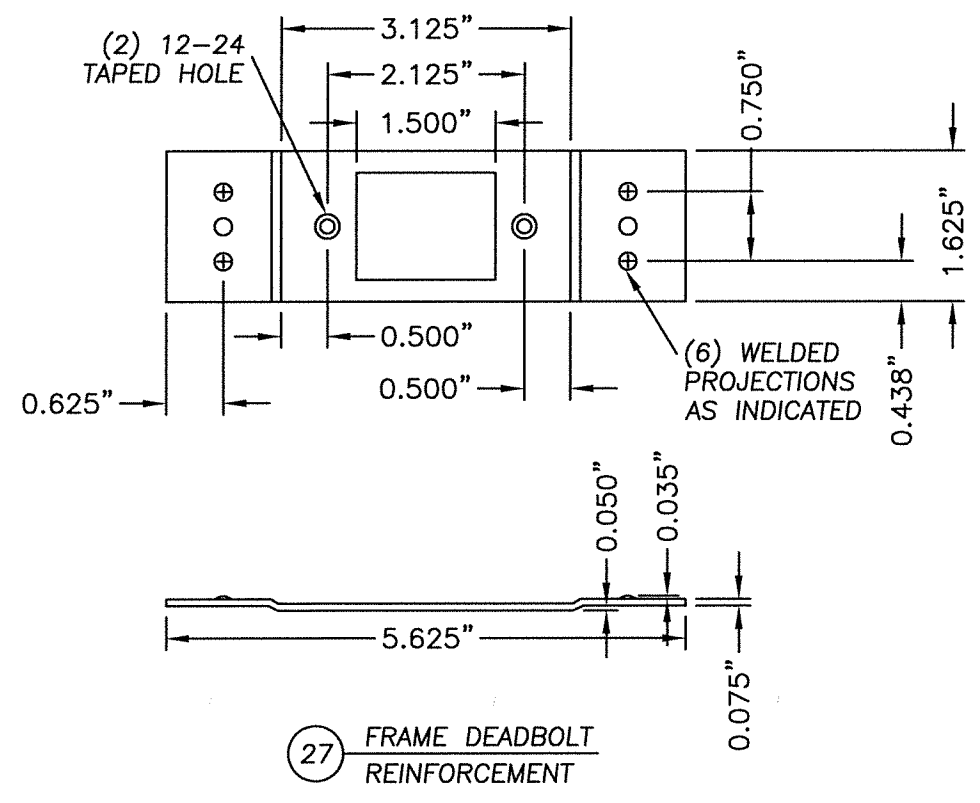
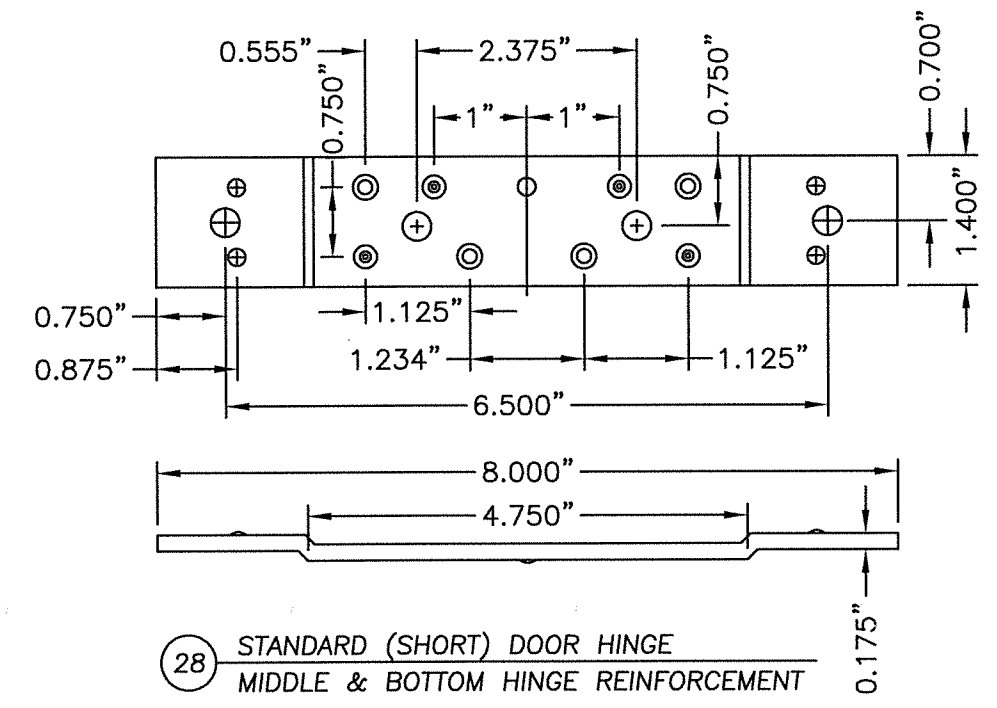
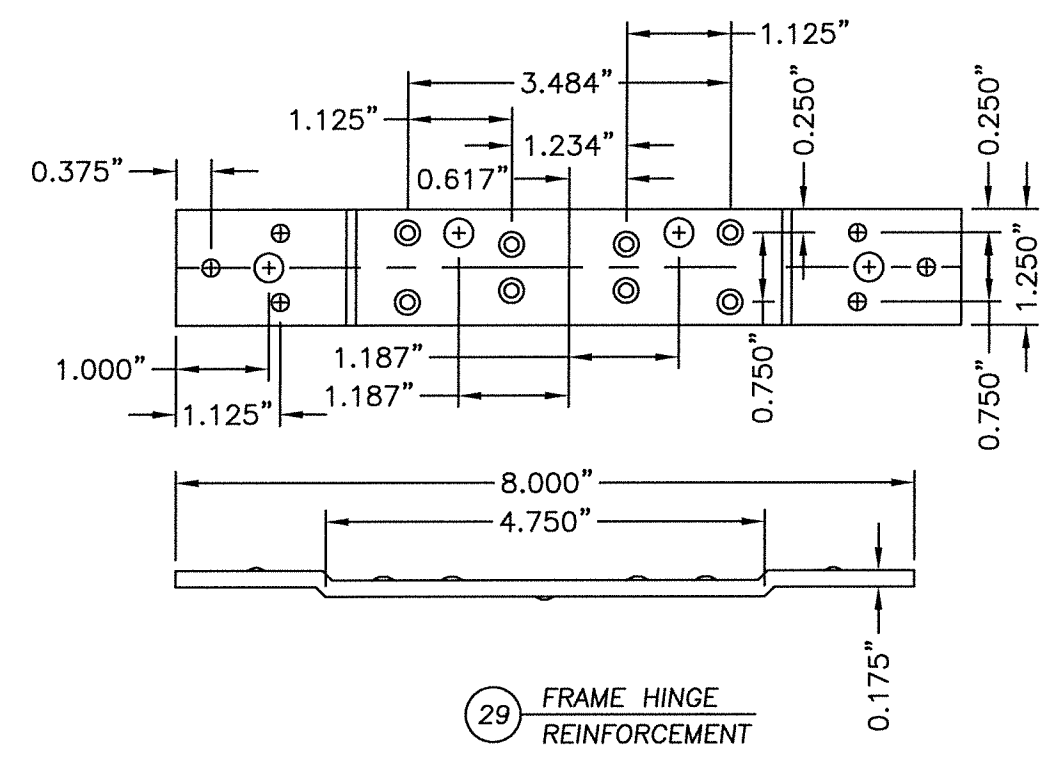
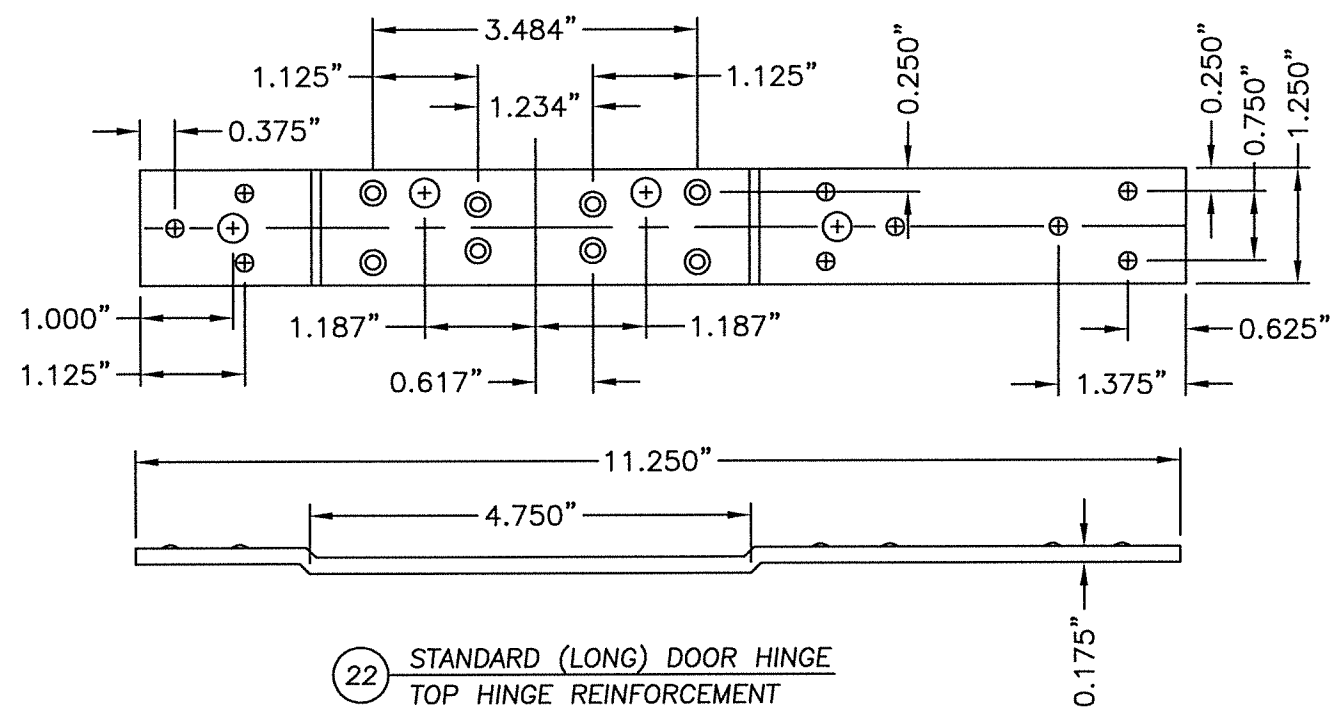
*LFS*

**F. SCHMIDT**  
 LICENSE  
 No. 43409  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER

**RW**  
 BUILDING CONSULTANTS, INC.  
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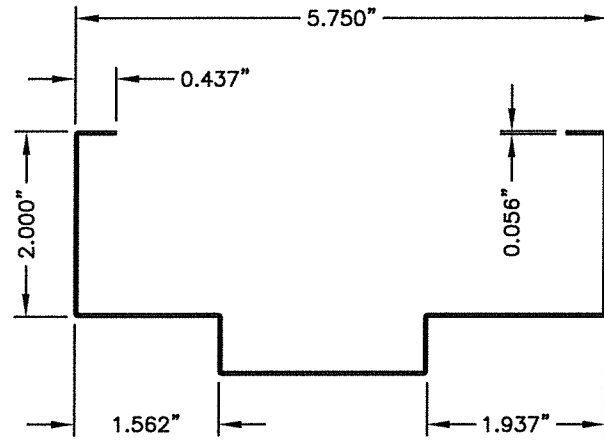
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BUILDING CONSULTANTS, INC.  
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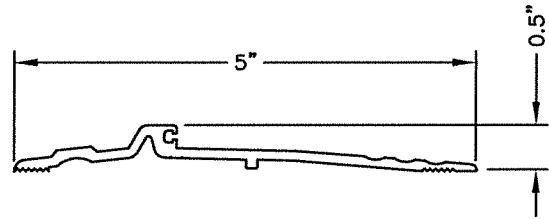
PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"		PART OR ASSEMBLY: COMPONENTS	
NO.	DATE	BY	REVISIONS
DATE: 11/10/22		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-41788.10		SHEET 9 OF 10	

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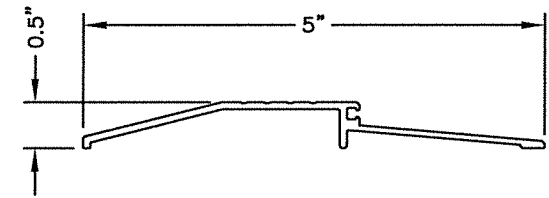
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
C	3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	DESIGN HARDWARE D2-SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
K	SCHLAGE LOCKSET ASSEMBLY ND53PD	STEEL
P	#8 X 3/4" PFH SCREW	STEEL
Q	#12 X 1/2" MACHINE SCREW	STEEL
R	#12 X 3/4" PFH SELF TAPPING MACHINE SCREW	STEEL
T	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
U	5/16" X 4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
V	MASONRY 'TEE' ANCHOR (PFMT5)	STEEL
W	TUBE ANCHOR	STEEL
X	5/16" X 5" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	DOOR STILE EDGE REINFORCEMENT	STEEL
2	DOOR SKIN 16GA (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL
3	FOAM (D DOOR) 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	CLOSER REINFORCEMENT	STEEL
21	HINGE	STEEL
22	STD. (LONG) DOOR HINGE REIN. (TOP HINGE PDNLHR 450)	STEEL
23	WEATHERSTRIP	FOAM
24	THRESHOLD WEATHERSTRIP (NATIONAL GUARD PRODUCTS, INC. ITEM #33)	VINYL
25	FRAME 5-3/4" MIN. WITH 2" HEAD	STEEL
27	14GA. (.075") C.R.S. 161 DEADBOLT FRAME REINFORCEMENT (PFDBR4)	STEEL
28	STD. (SHORT) DOOR HINGE REIN.(MIDDLE & BOTTOM) PDNHR450)	STEEL
29	STD. 4-1/2" FRAME HINGE REINFORCEMENT 7GA.(.175" PF4HR)	STEEL
40	OUTSWING THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
41	OUTSWING THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
42	OUTSWING THRESHOLD PEMKO #2005 V	ALUMINUM
44	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
51	FRAME REINFORCEMENT	STEEL



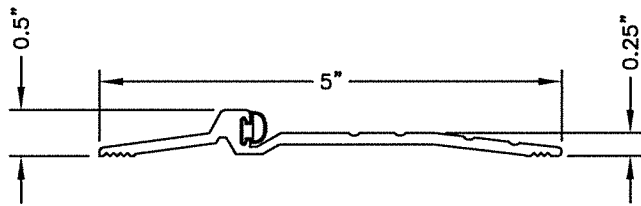
25 FRAME



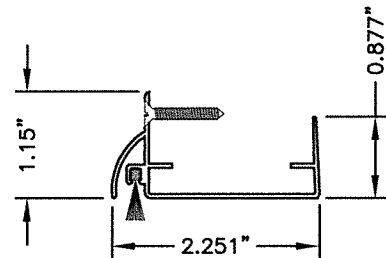
40 THRESHOLD



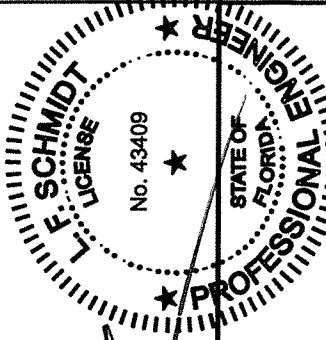
41 THRESHOLD



42 THRESHOLD



44 SWEEP


  
**F. SCHMIDT**  
 LICENSE No. 43409  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

November 15, 2022  
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NO.		DATE	
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SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41788.10			
SHEET 10 OF 10			