

# PREMIER PRODUCTS, Inc.

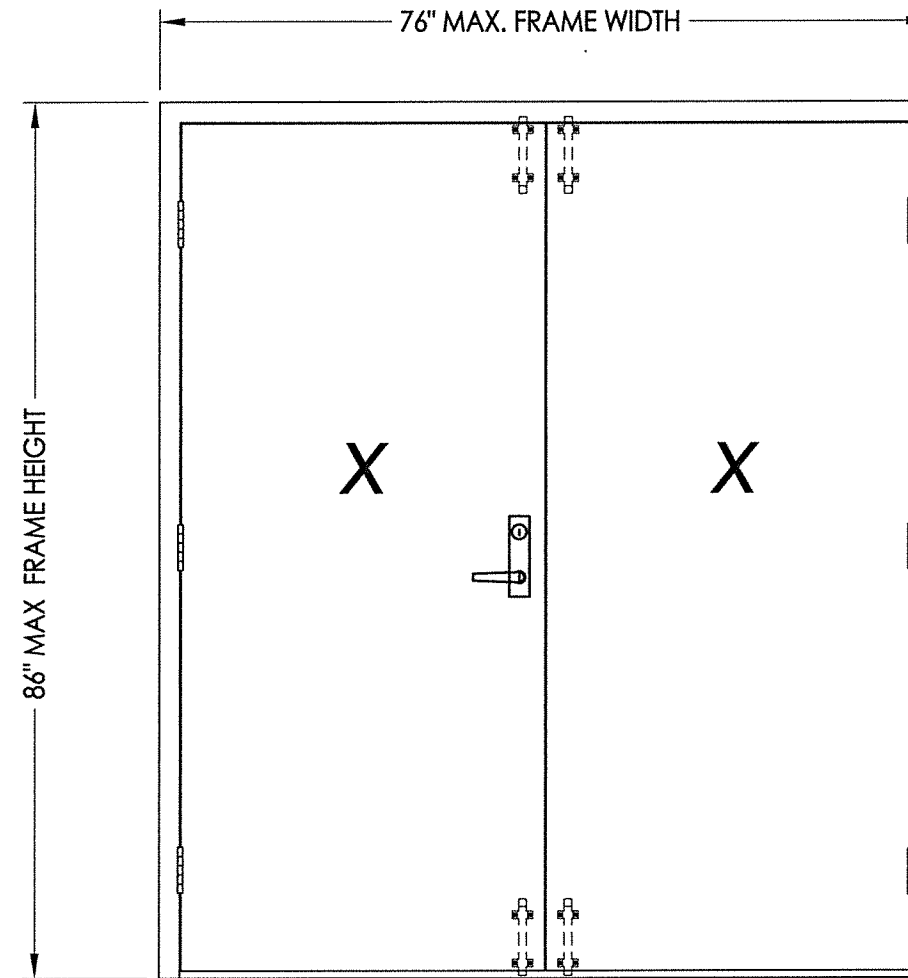
2840 Sterlington Road  
Monroe, LA 71203

## "SWR-S18-4" SEVERE WINDSTORM RATED STEEL DOOR OUTSWING "NON-IMPACT"

### GENERAL NOTES

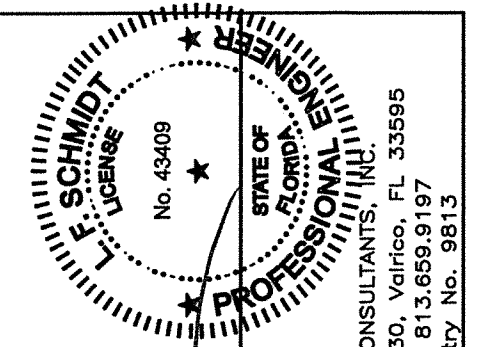
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. 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 & vertical cross sections
4	Horizontal cross sections
5	Frame anchoring
6	Bill of materials and components



**MORTISE LOCK/DEADBOLT (shown)  
or  
CYLINDRICAL LOCK**

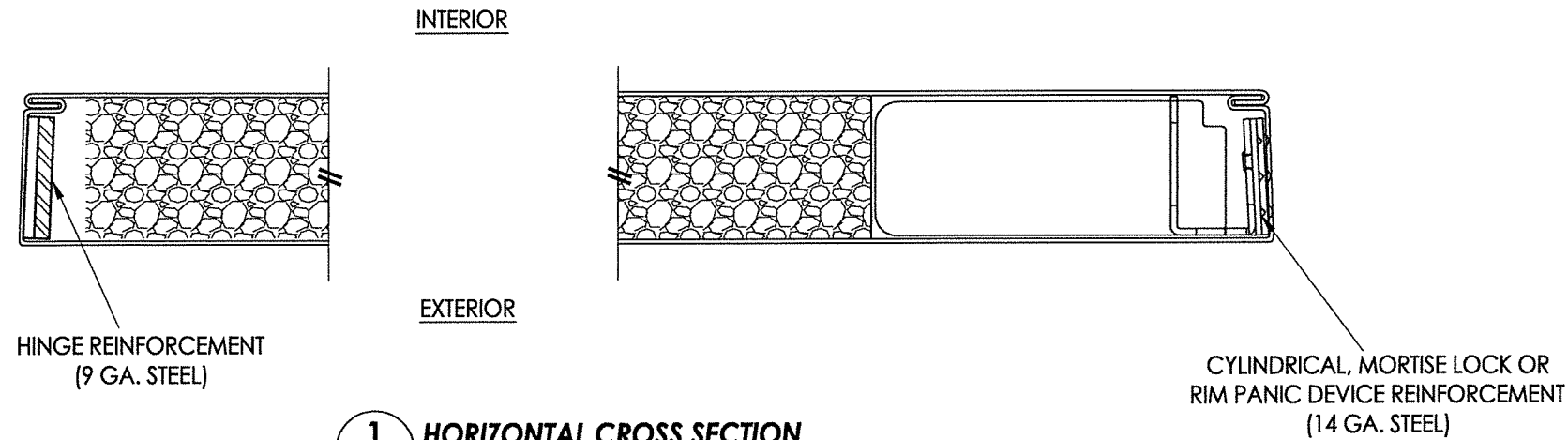
MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
76.0" X 86.0"	+65.0	-65.0



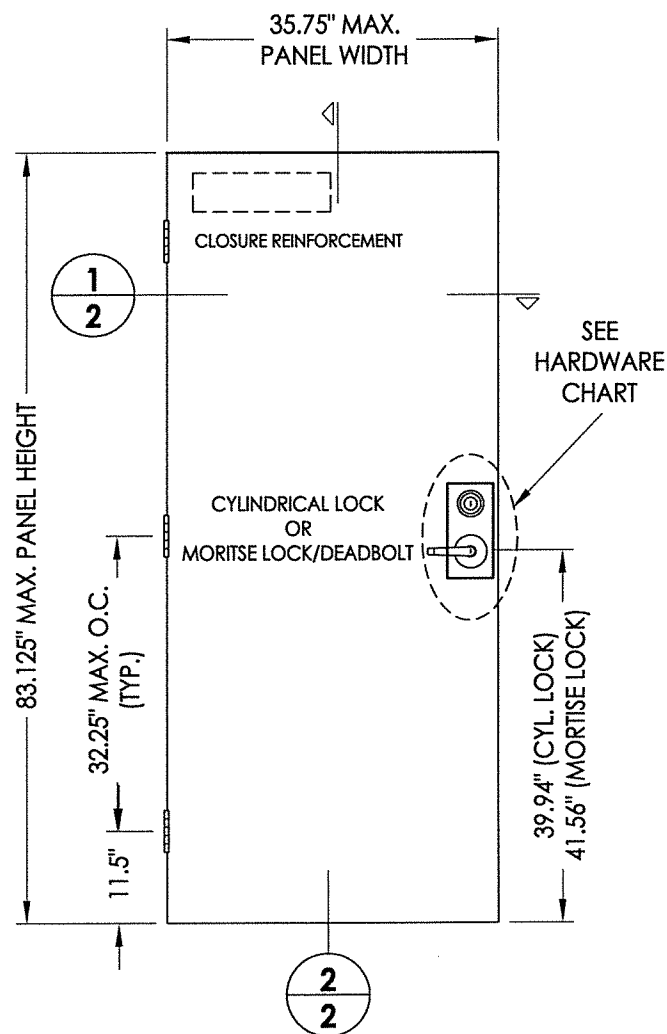
September 9, 2020  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409  
*LFS*  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813  
*RW*

PRODUCT:	PREMIER PRODUCTS, INC.
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
DATE:	12/11/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17460.2
SHEET	1 OF 6

R:\Clients\Premier Products PERMANENTVA - Florida Product Approvals\FL-17460\C - Drawings\FL-17460 (2020)\FL-17460.1-4.dwg, 2.2



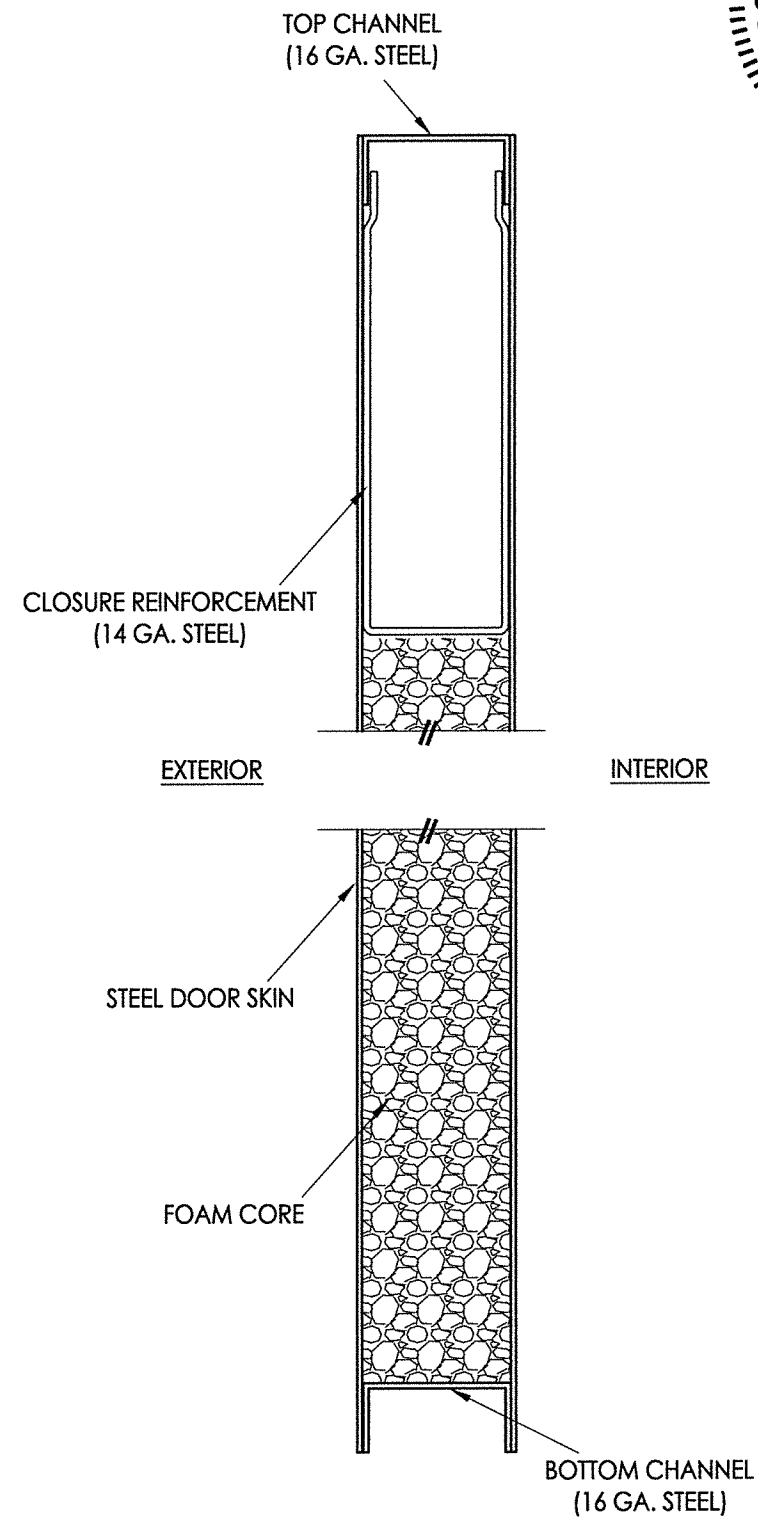
**1**  
**2** HORIZONTAL CROSS SECTION



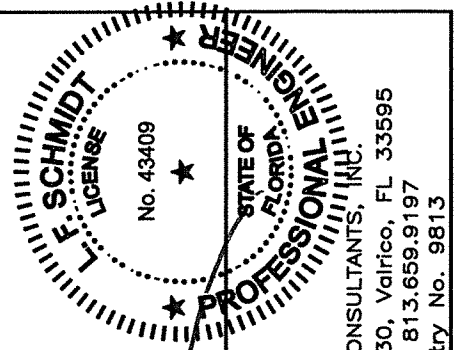
**1** OPAQUE STEEL DOOR PANEL

STEEL DOOR SKIN: 18 GA. A60 GALV. (min. 0.042" THK.)  
CORE MATERIAL: EPS Foam (Polystyrene - 1.0 PCF Min. Density)

HARDWARE CHART	
MANUFACTURER	MODEL
SARGENT	CYLINDRICAL LOCK: 10 LINE (G05)
FALCON	MORTISE LOCK/DEADBOLT : MA SERIES (571)
ROCKWOOD	SURFACE BOLT : 580 SERIES



**2**  
**2** VERTICAL CROSS SECTION



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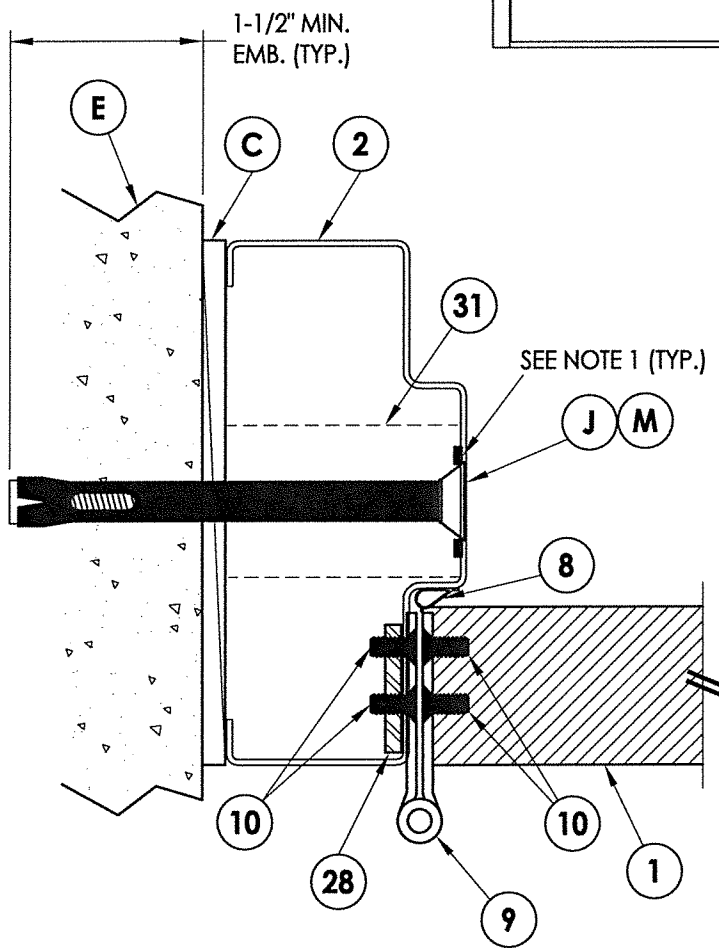
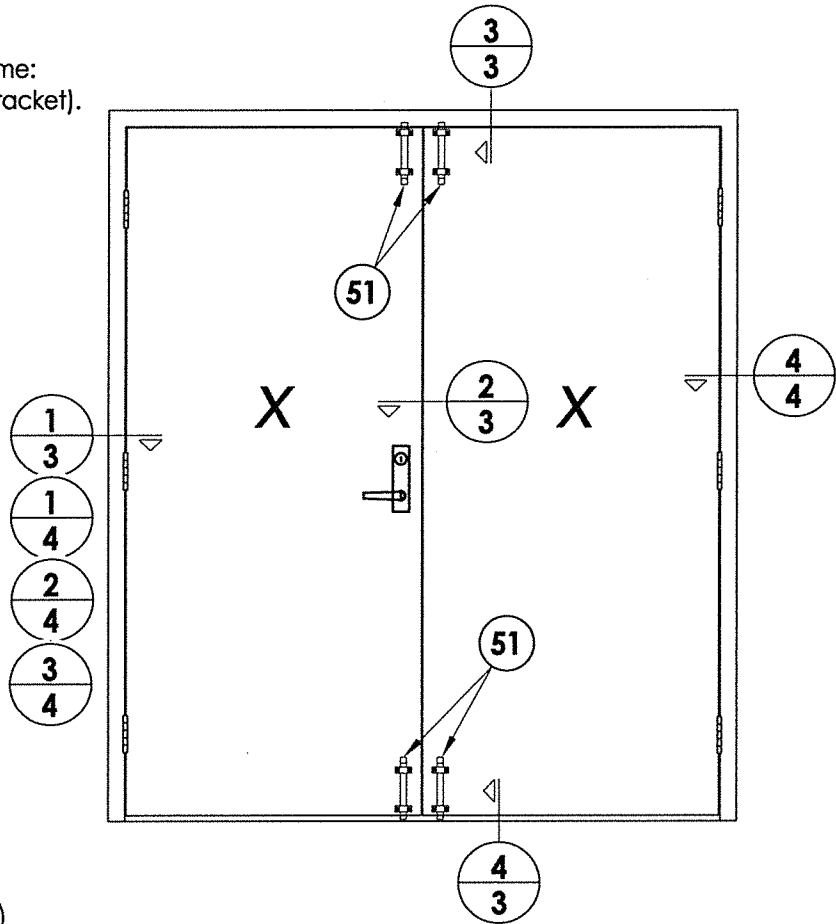
PRODUCT:	PREMIER PRODUCTS, INC.
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	REVISIONS
2	9/08/20	UPDATE TO 7TH ED. (2020) FBC
1	9/20/17	UPDATE TO 6TH ED. (2017) FBC

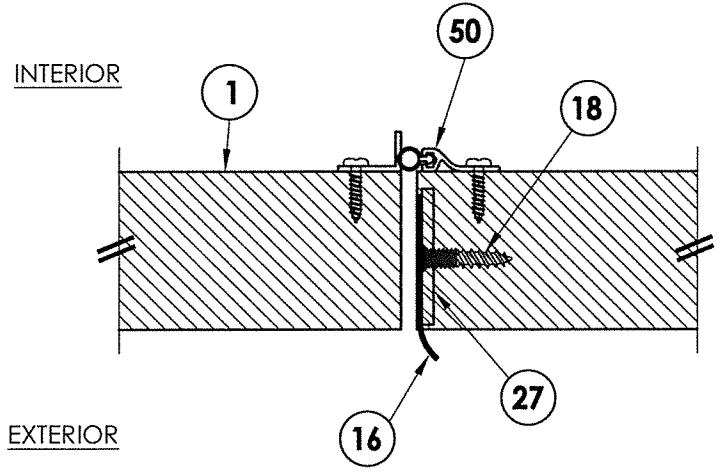
DATE:	12/11/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17460.2
SHEET	2 OF 6

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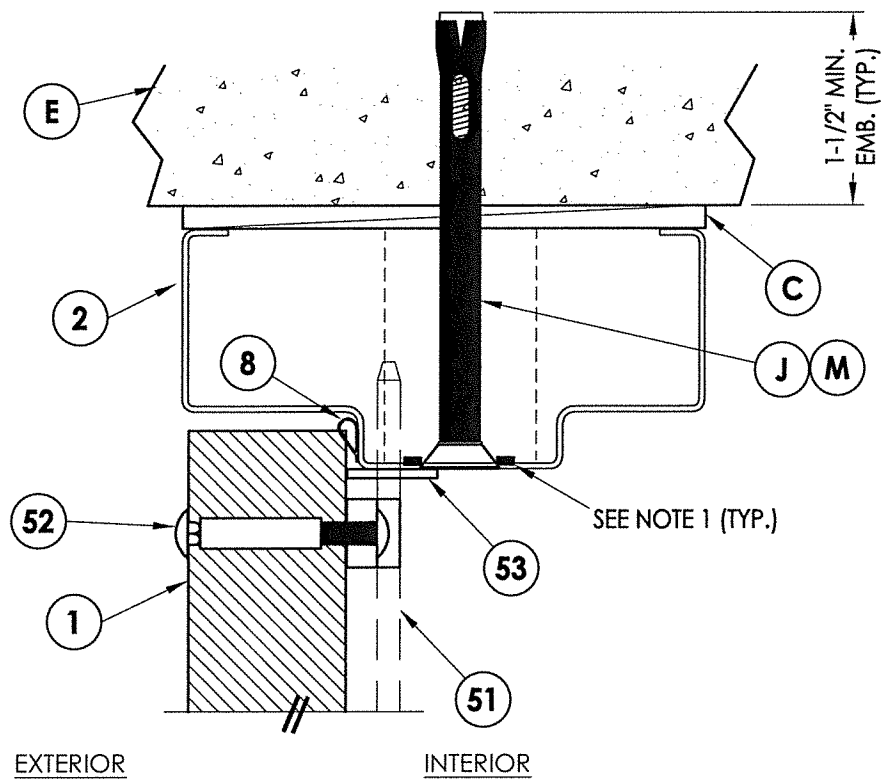
NOTES:  
 1. Spot weld anchor bracket to frame:  
 2 welds per flange (4 total per bracket).



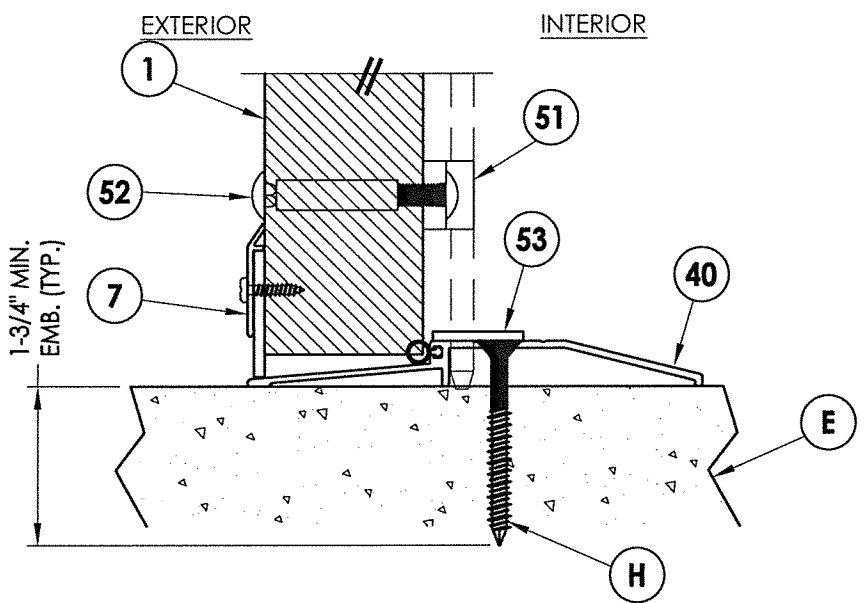
**1** HORIZONTAL CROSS SECTION  
**3** Shown w/ Concrete Jamb Anchor



**2** HORIZONTAL CROSS SECTION



**3** VERTICAL CROSS SECTION



**4** VERTICAL CROSS SECTION

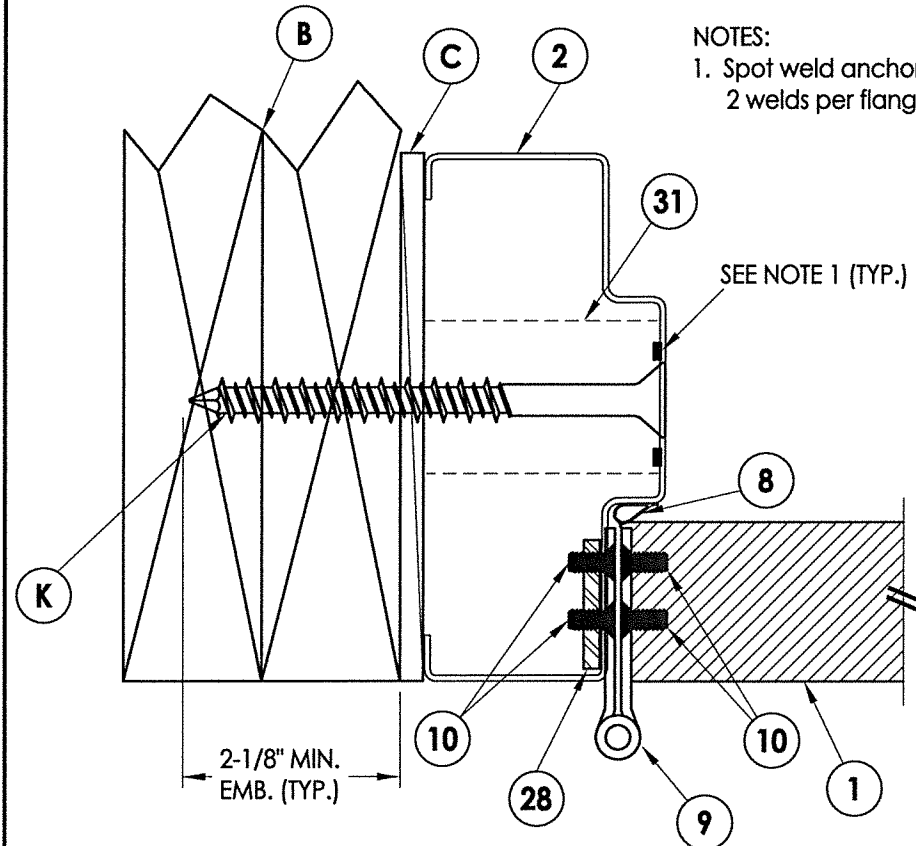
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**L. E. SCHMIDT**  
 LICENSE  
 No. 43409  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER

**R.W. BUILDING CONSULTANTS, INC.**  
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 Phone No.: 813.659.9197  
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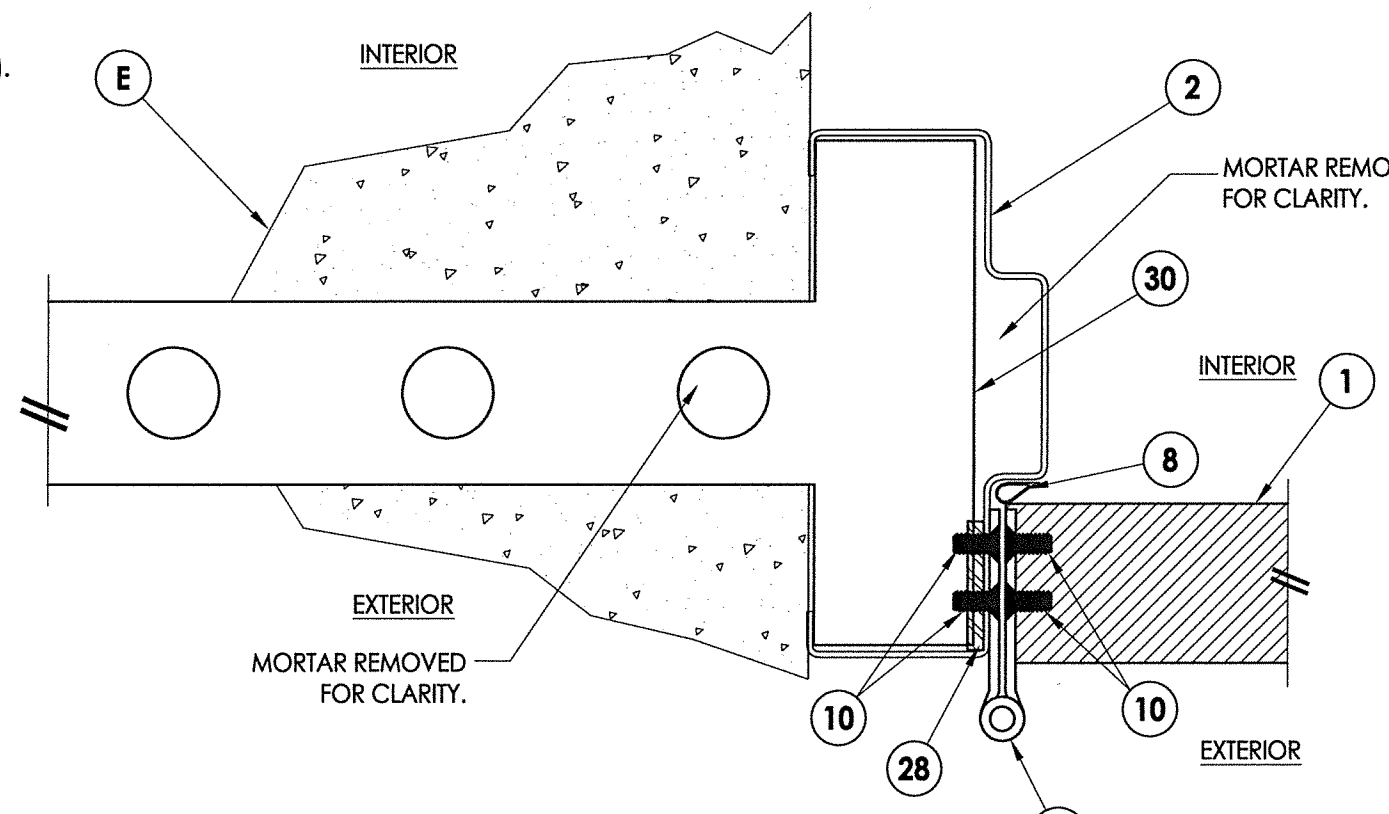
PRODUCT:		PREMIER PRODUCTS, INC.	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
DATE:	12/11/15	LFS	BY
SCALE:	N.T.S.	LFS	BY
DWG. BY:	JK	LFS	BY
CHK. BY:	LFS		
DRAWING NO.:	FL-17460.2		
SHEET	3		OF 6

R:\Clients\Premier Products PERMANENTVA - Florida Product Approvals\FL-17460\C - Drawings\FL-17460 (2020)\FL-17460.1-4.dwg, 4.2

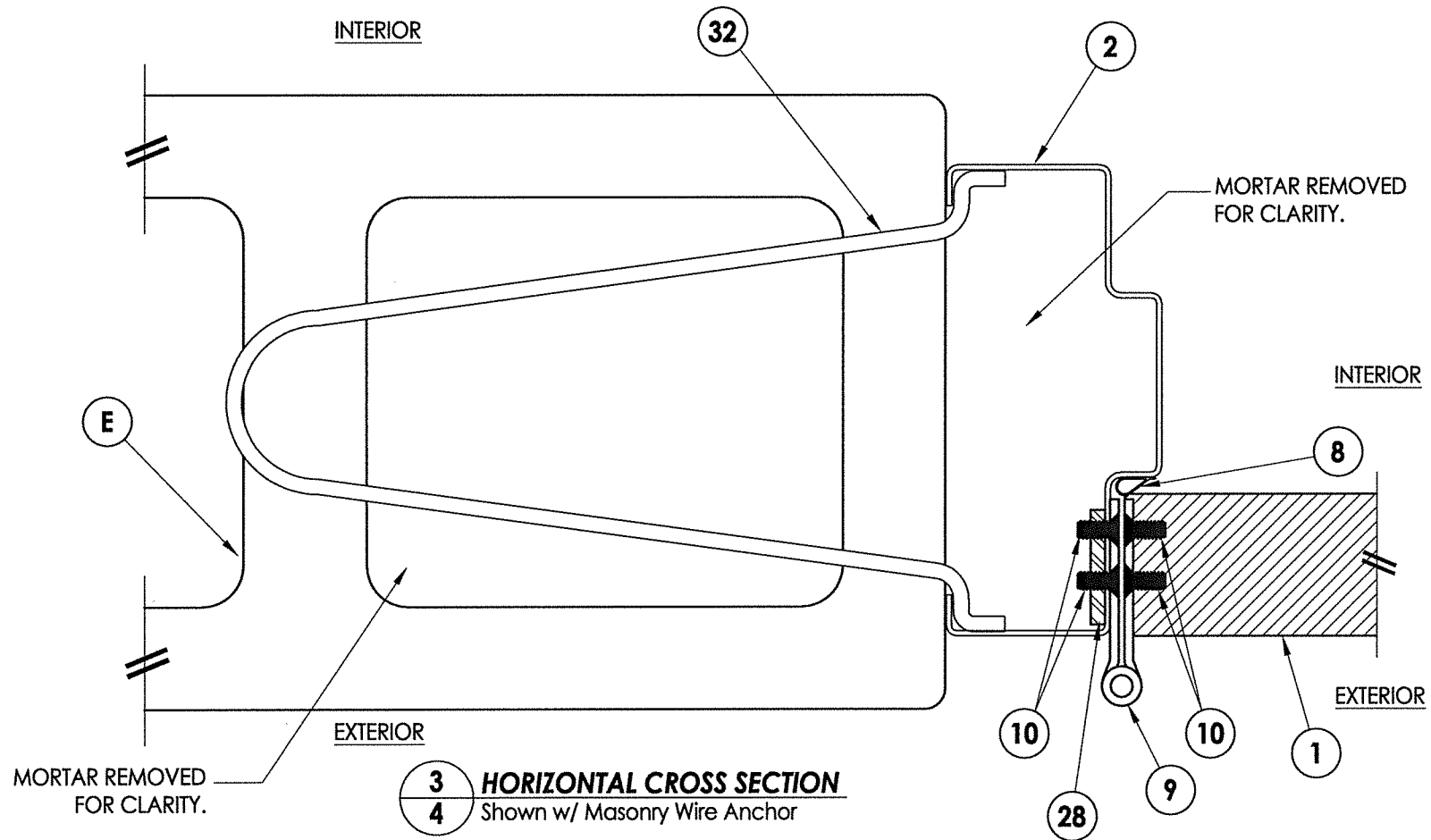


**1** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Concrete Jamb Anchor

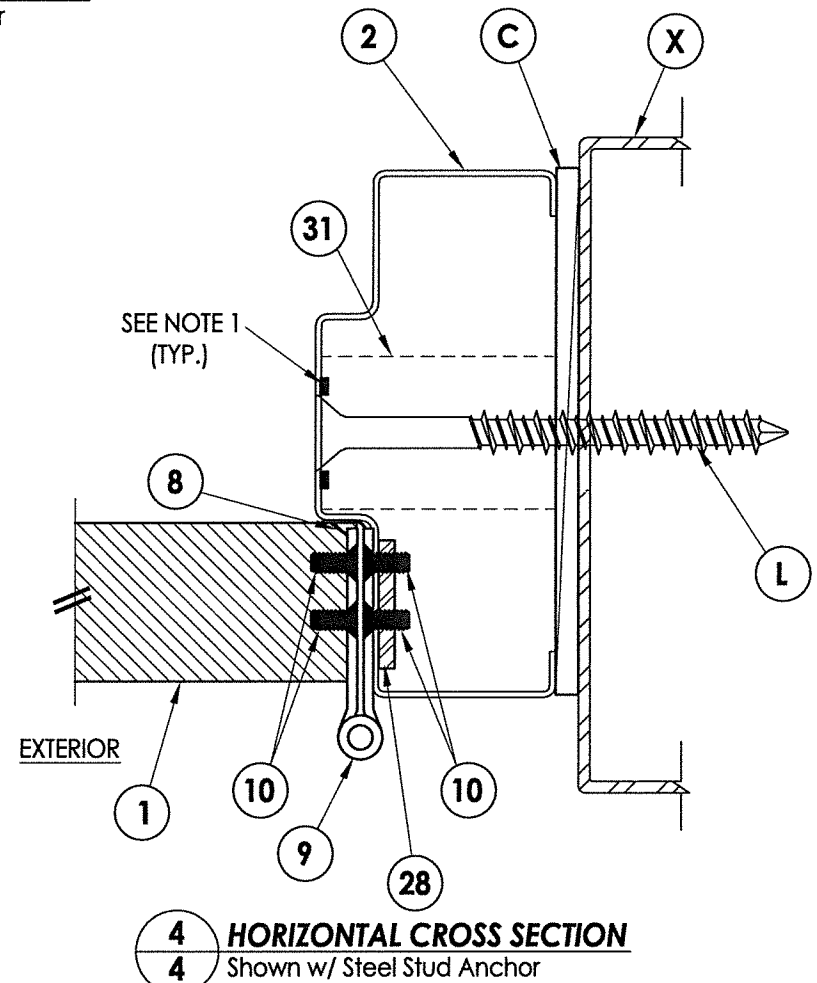
NOTES:  
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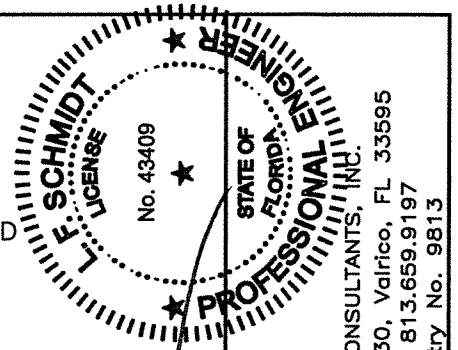
**2** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Masonry T Anchor



**3** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Masonry Wire Anchor



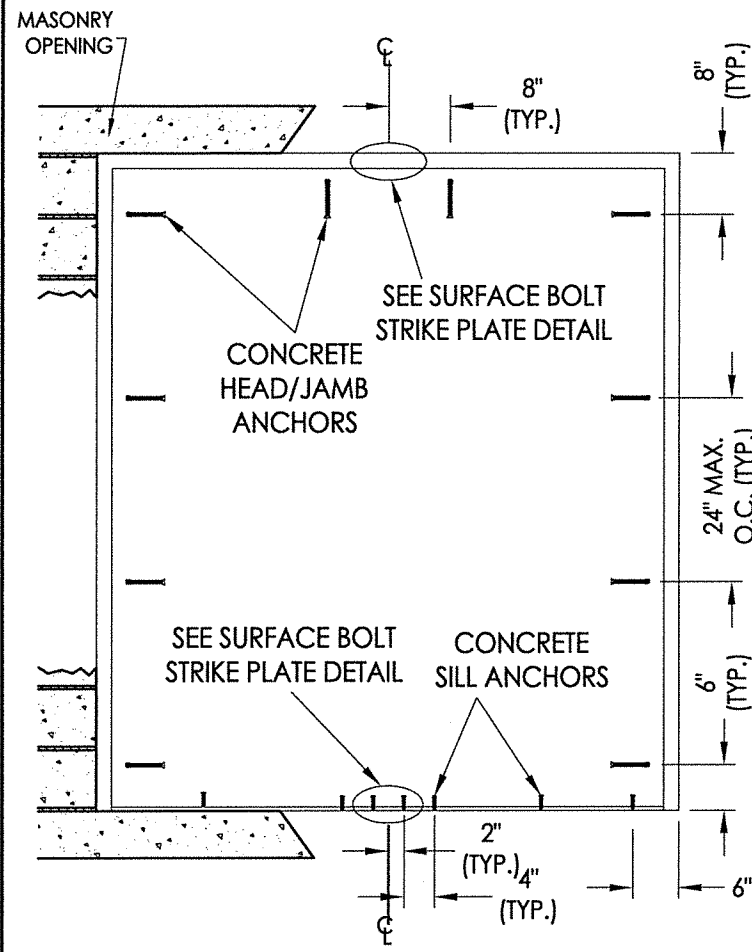
**4** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Steel Stud Anchor



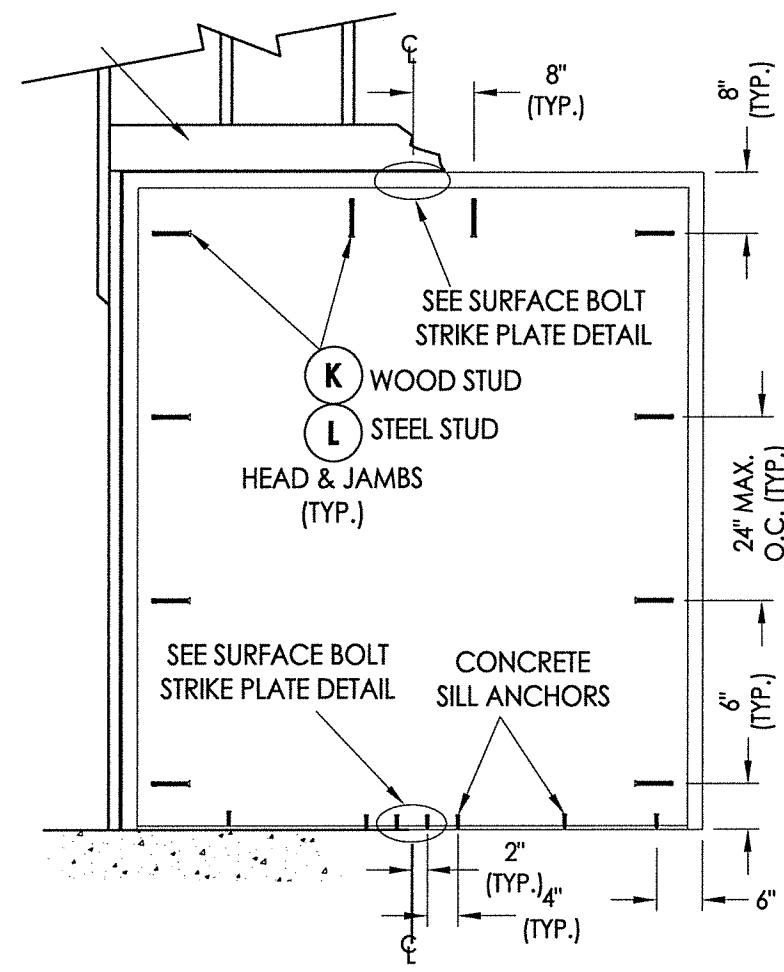
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PRODUCT:		PREMIER PRODUCTS, INC.	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	
2	9/08/20	UPDATE TO 7TH ED. (2020)	LFS
1	9/20/17	UPDATE TO 6TH ED. (2017)	LFS
			BY
DATE: 12/11/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17460.2			
SHEET 4 OF 6			

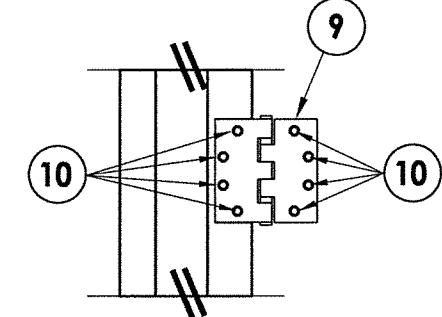
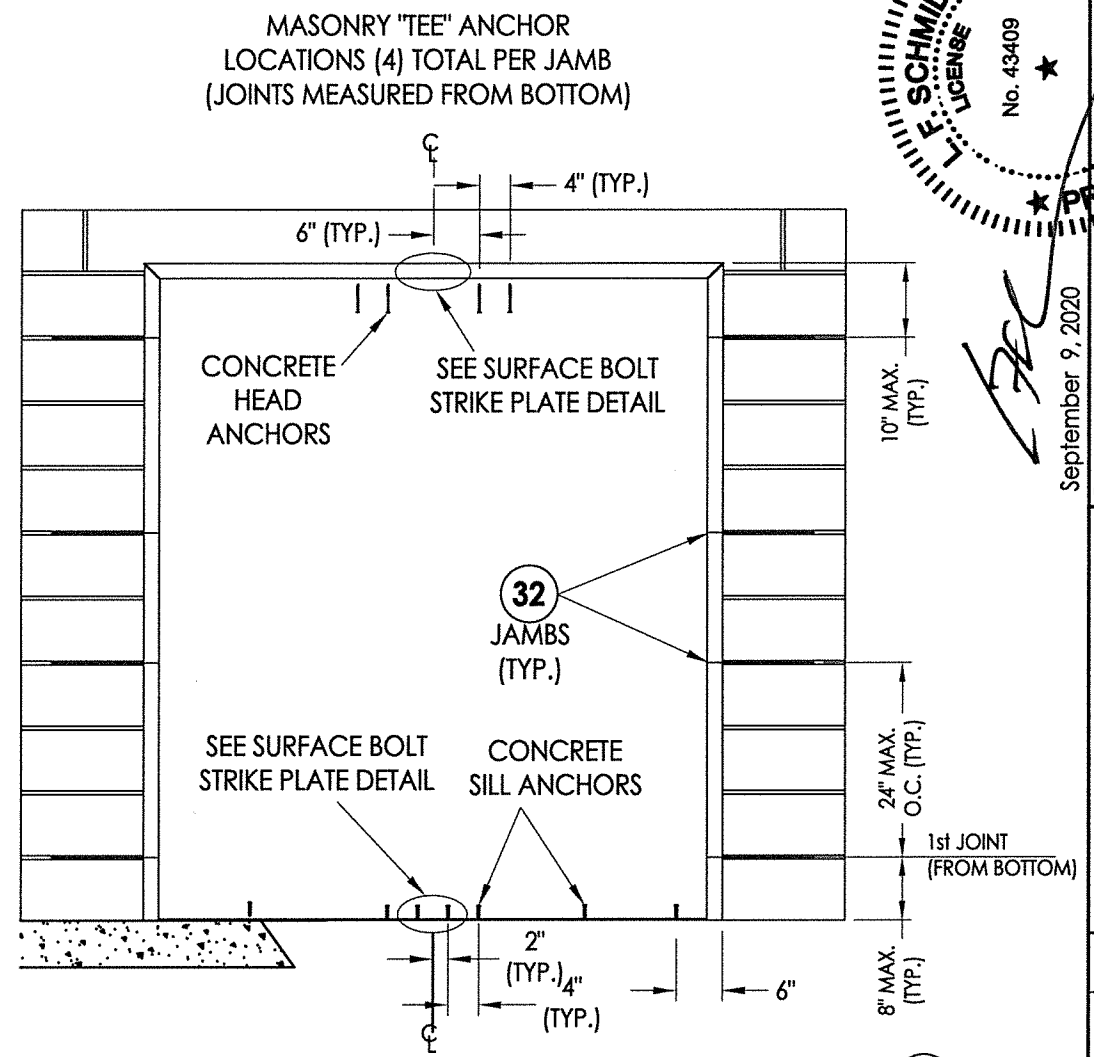
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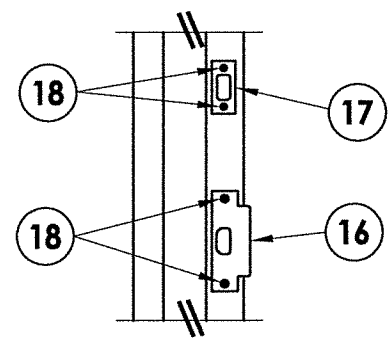
**FRAME ANCHORING**  
Direct to Masonry



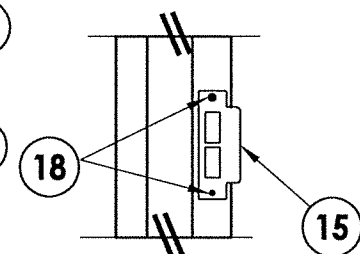
**FRAME ANCHORING**  
Steel Stud



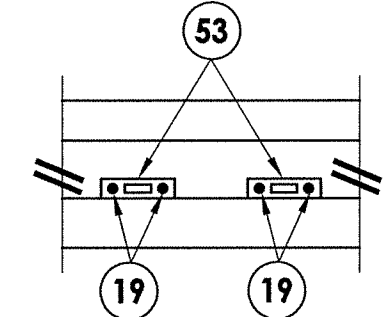
**HINGE DETAIL**



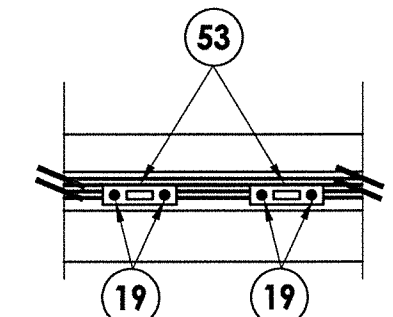
**STRIKE DETAIL**  
Latch & Deadbolt



**STRIKE DETAIL**  
Mortise Lock



**SURFACE BOLT STRIKE PLATE @ HEAD**

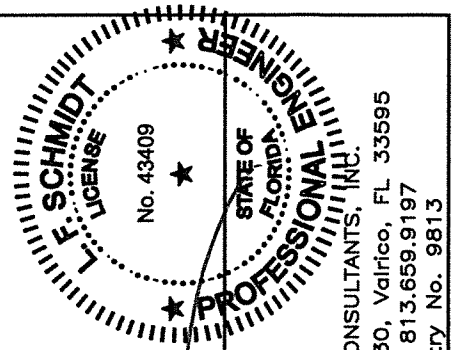


**SURFACE BOLT STRIKE PLATE @ SILL**

**CONCRETE ANCHOR NOTES:**

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

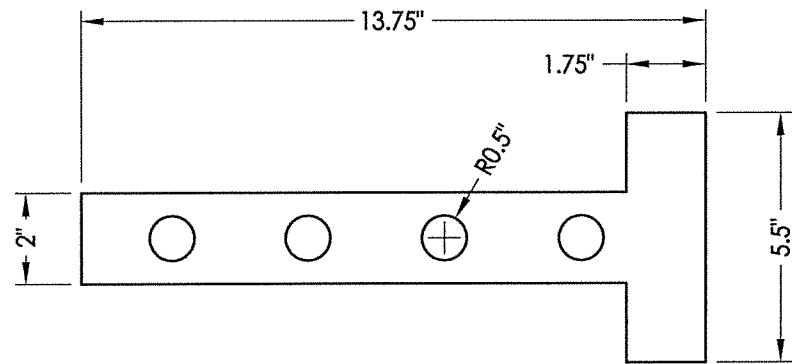
ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	JAMBS	3/8"	LDT TAPCON® (ITW BUILDEX)	3"	1-1/2"
	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"



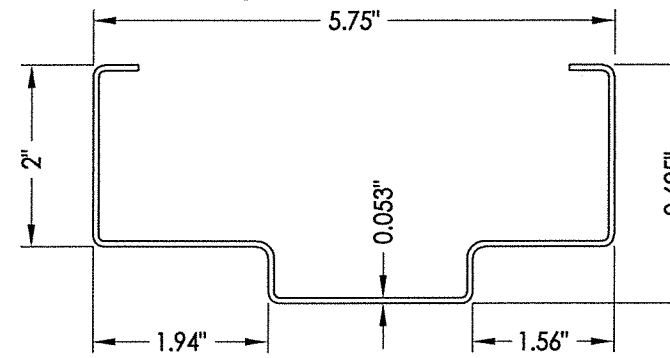
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 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE Registry No. 9813

PRODUCT:	PREMIER PRODUCTS, INC.	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
2	9/08/20	LFS
1	9/20/17	FBC
REVISIONS		
DATE:	12/11/15	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-17460.2	
SHEET	5 OF 6	

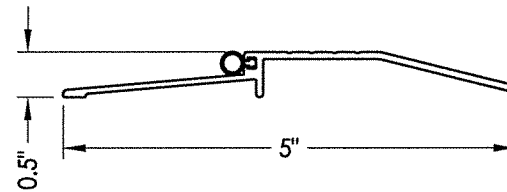
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 2-1/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" X 5" PFH DYNABOLT SLEEVE ANCHOR (SEE CONCRETE ANCHOR TABLE)	STEEL
K	3/8" X 5" FH LAG SCREW (2-1/8" MIN. EMBEDMENT)	STEEL
L	3/8" Ø SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
M	3/8" X 5" LDT TAPCON CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
X	STEEL STUD (0.125" MIN. THK, Fu = 50 ksi, Fy = 33 ksi)	STEEL
1	STEEL DOOR PANEL	-
2	HOLLOW METAL FRAME (16 GA)	STEEL
7	DOOR SWEEP (NGP 200 NA)	ALUM/VINYL
8	WEATHERSTRIP (PEMKO S88)	STEEL
9	4-1/2" X 4-1/2" HINGE	STEEL
10	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
15	MORTISE STRIKE PLATE	STEEL
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
18	#12 X 1" FH SCREW	STEEL
19	#12 X 5/8" FH SCREW	STEEL
27	FRAME STRIKE REINFORCEMENT (14 GA)	STEEL
28	FRAME HINGE REINFORCEMENT (9 GA)	STEEL
30	MASONRY 'T' ANCHOR	STEEL
31	EXISTING WALL ANCHOR	STEEL
32	WIRE ANCHOR	STEEL
40	THRESHOLD (NGP 950 V)	ALUMINUM
50	ASTRAGAL GASKET (NGP 12135)	ALUM/VINYL
51	ROCKWELL SURFACE BOLTS (580)	STEEL
52	1/4" X 2-1/2" PPH MS	STEEL
53	SURFACE BOLT STRIKE PLATE	STEEL



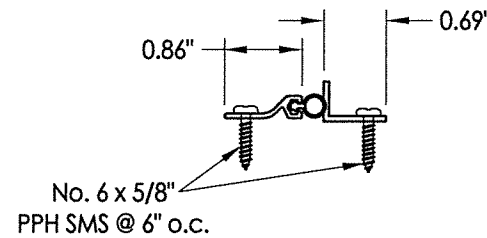
**30 MASONRY 'T' ANCHOR**  
16 GA STEEL



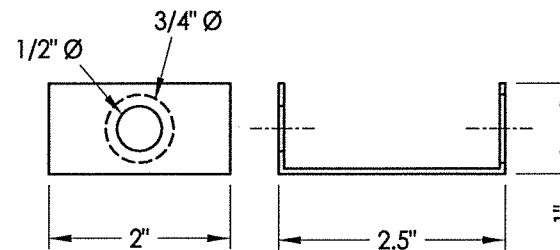
**2 HOLLOW METAL FRAME**



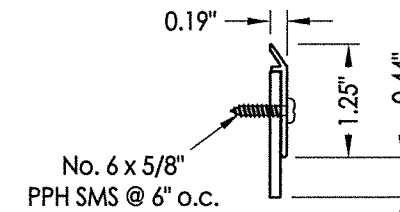
**40 THRESHOLD**



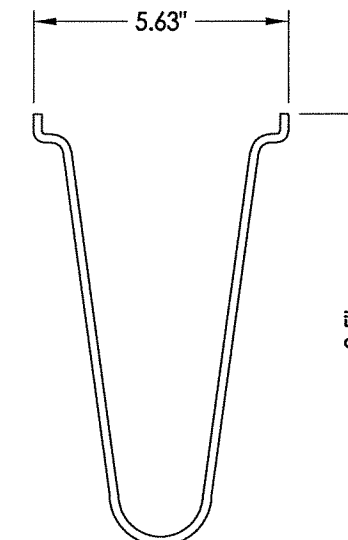
**50 ASTRAGAL GASKET**



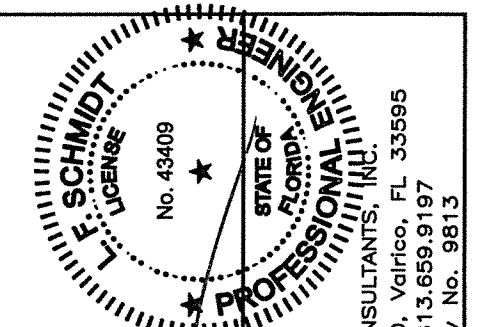
**31 EXISTING WALL ANCHOR**



**7 DOOR SWEEP**



**32 WIRE ANCHOR**  
9 GA STEEL



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SHEET 6 OF 6			