

"D" SERIES SINGLE OPAQUE DOOR 1/2 LOUVER "NON-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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. The "D" door achieves a Class I stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

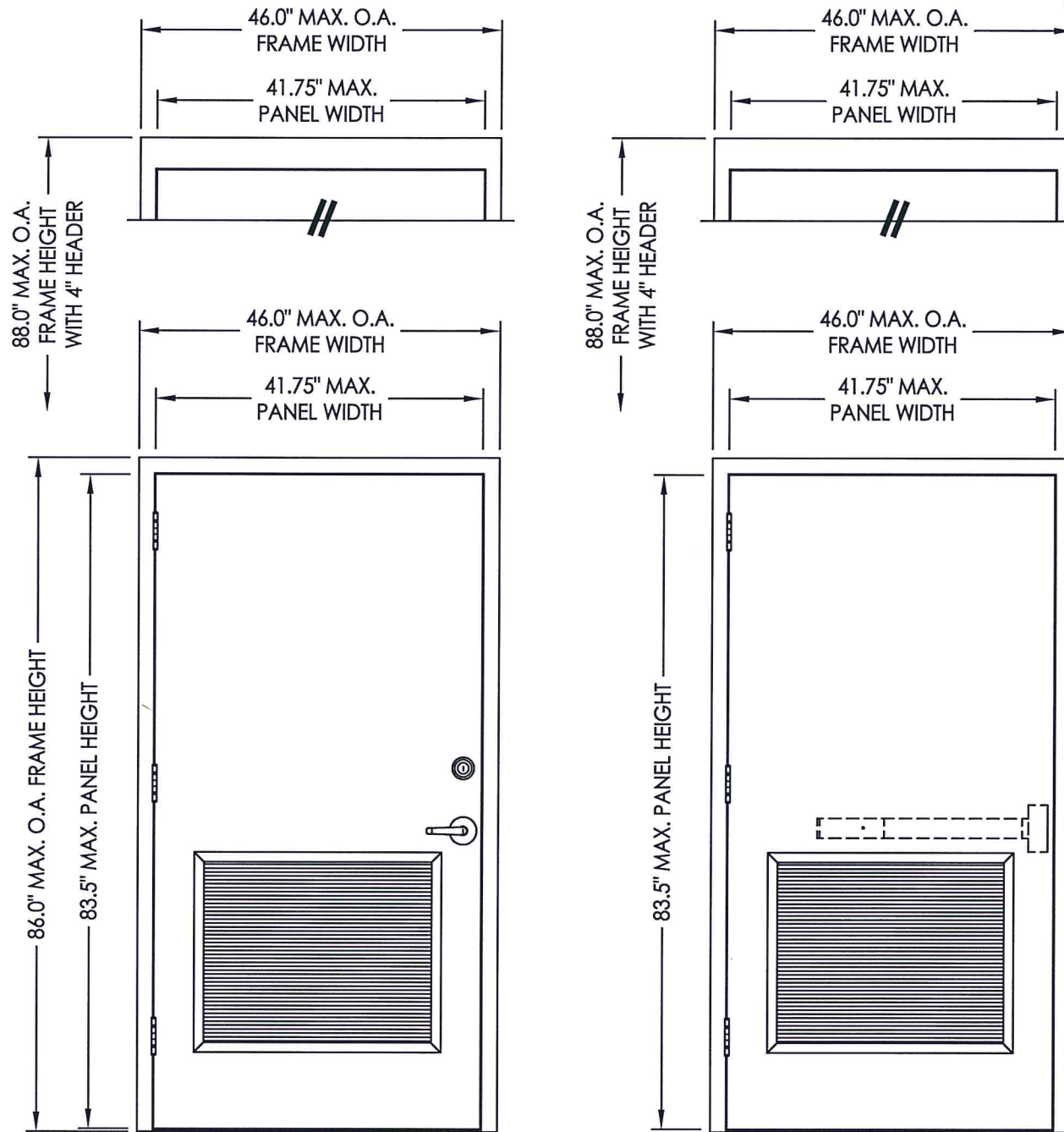


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6	Vertical cross sections
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8	Anchoring details
9	Components
10	Bill of materials and components

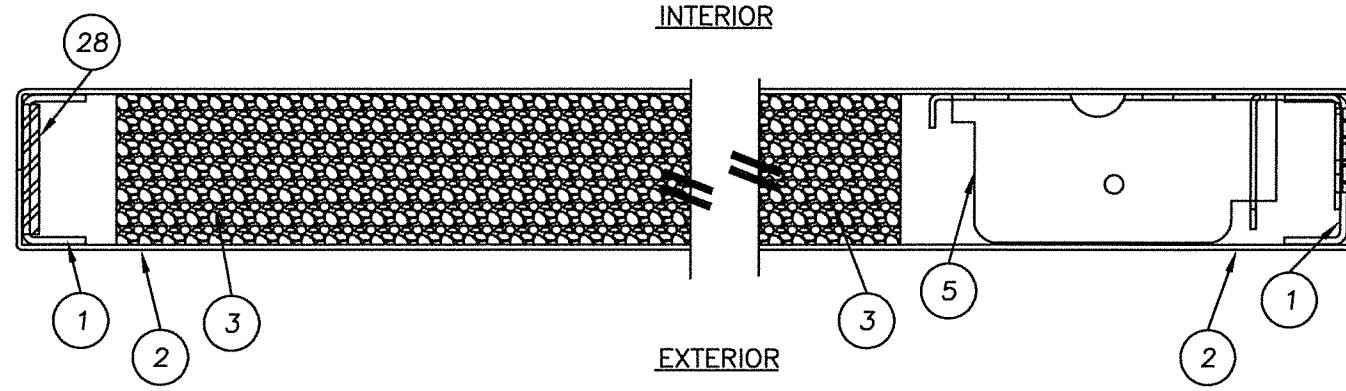
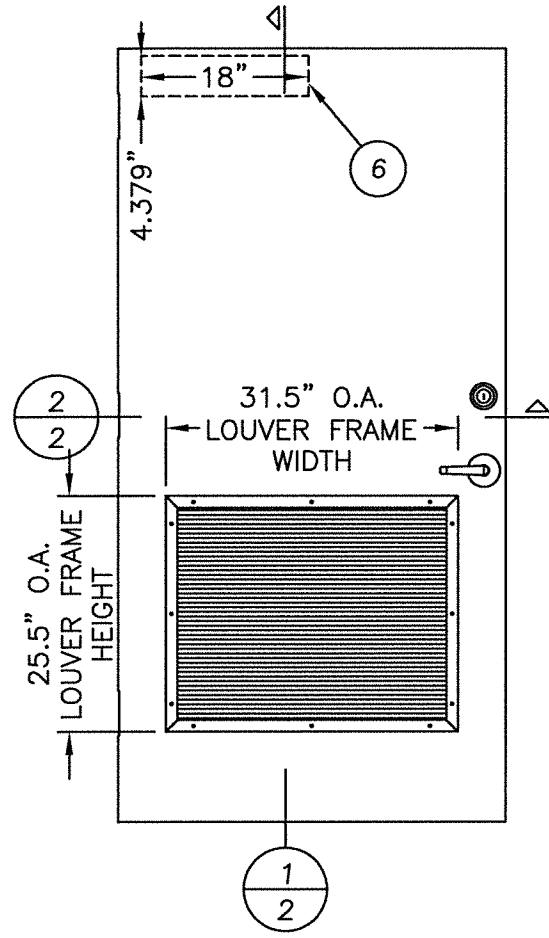
FRAME TYPE	OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
2" HEAD	46.0" x 86.0"	161 LATCH & DEADBOLT (DESIGN HARDWARE) OR PANIC EXIT DEVICE (VON DUPRIN)	+40.0	-40.0
4" HEAD	46.0" x 88.0"			

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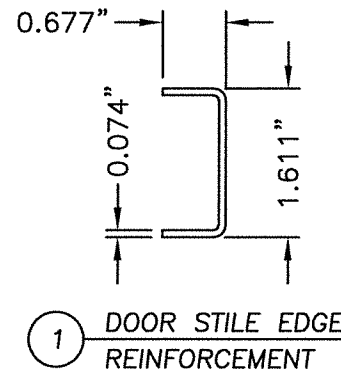
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

NO.	DATE	BY	REVISIONS

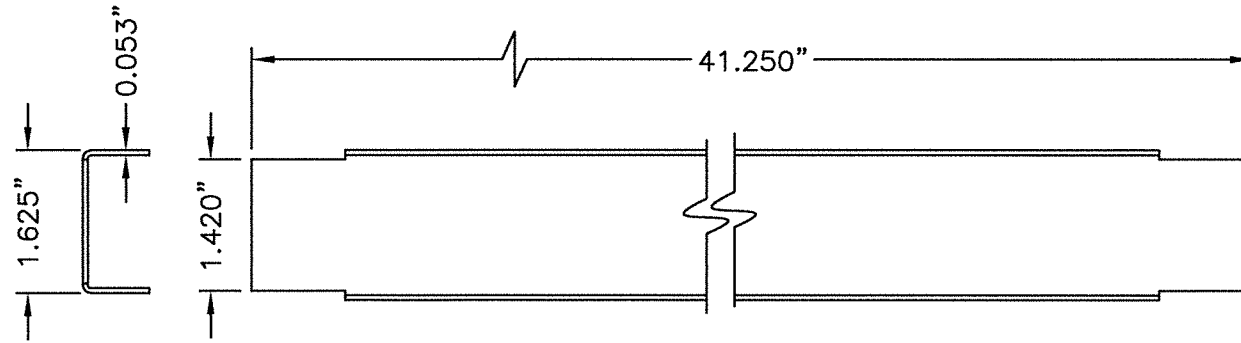
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 PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
 DATE: 11/10/22
 SCALE: N.T.S.
 DWG. BY: LFS
 CHK. BY: RW
 DRAWING NO.: FL-41788.15
 SHEET 1 OF 10



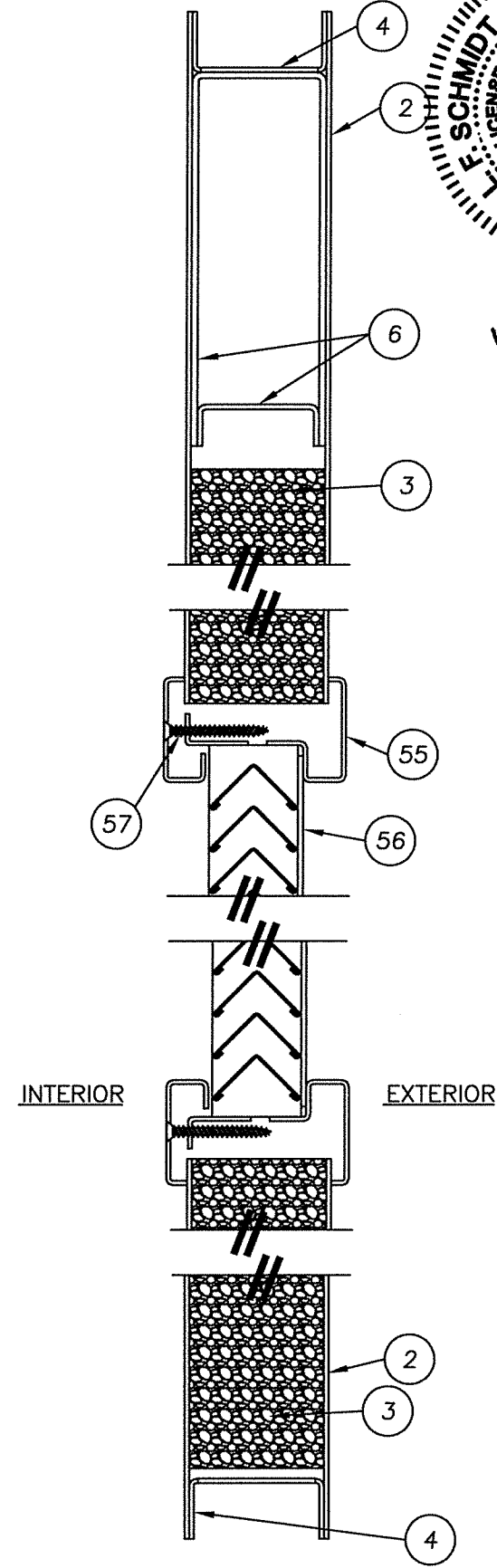
2/2 HORIZONTAL CROSS SECTION



4 DOOR TOP & BOTTOM CLOSER
16GA. (.053) C.R.S.

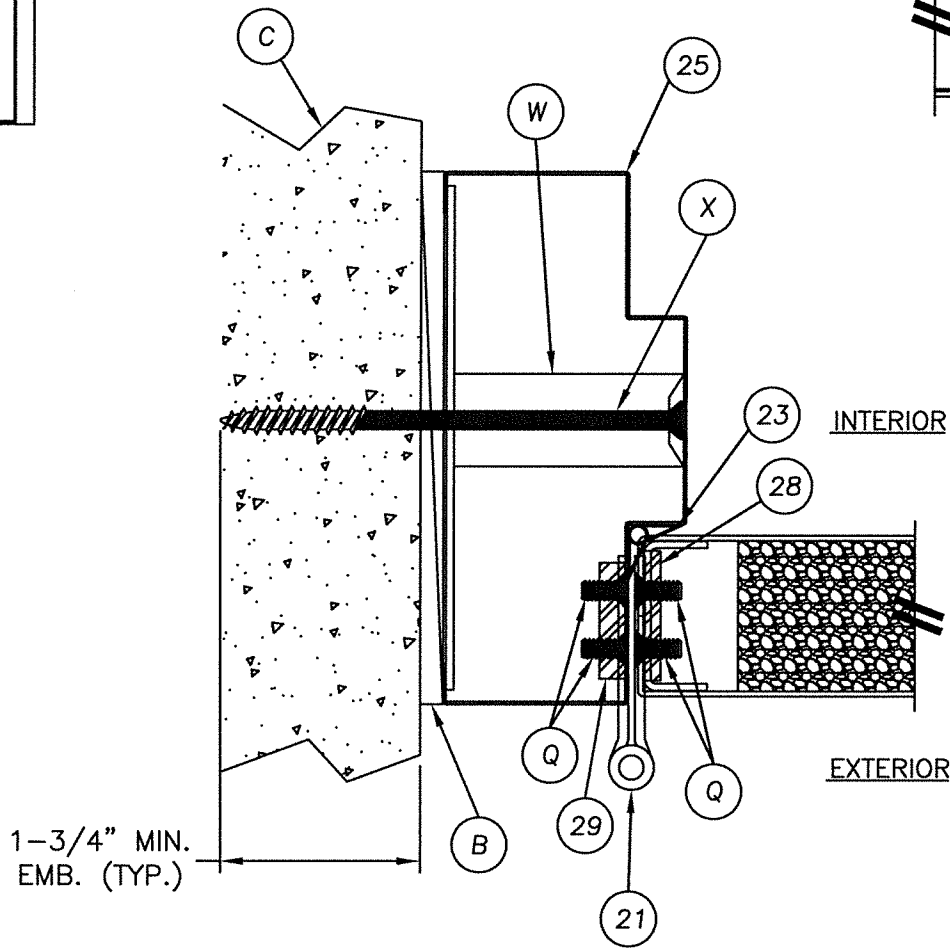
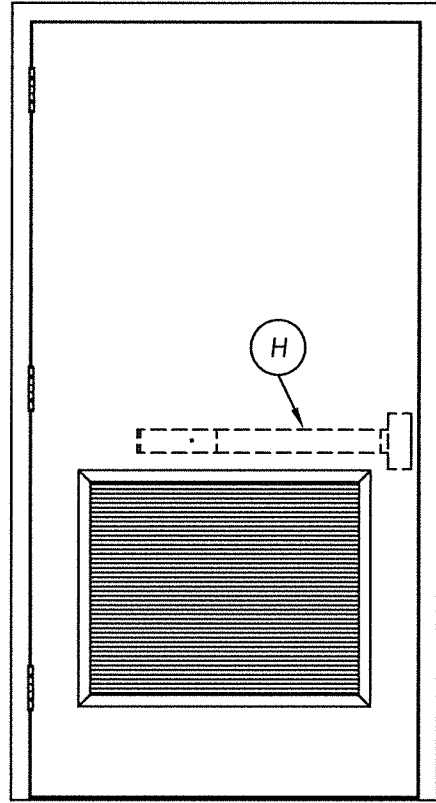
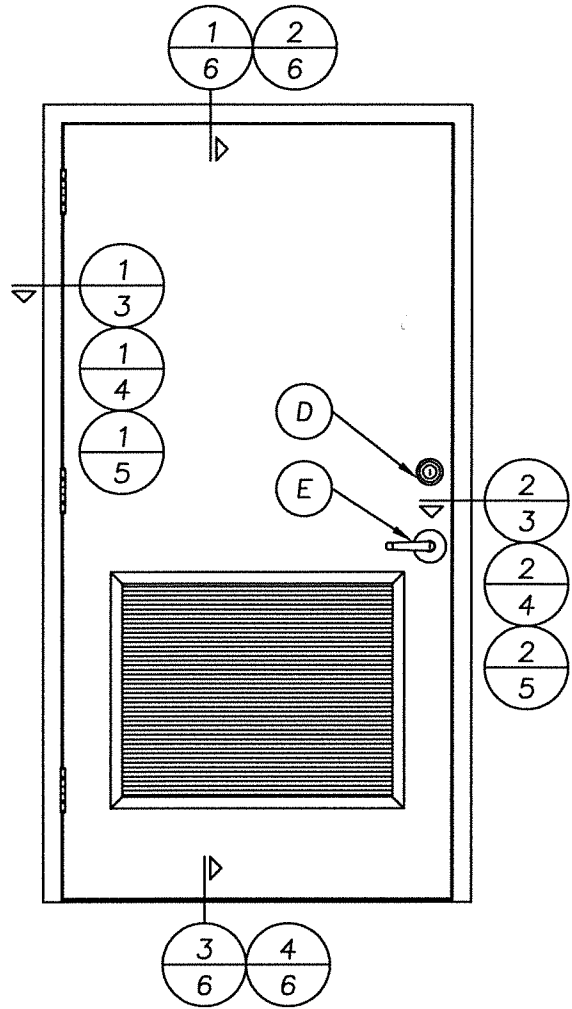


1/2 VERTICAL CROSS SECTION

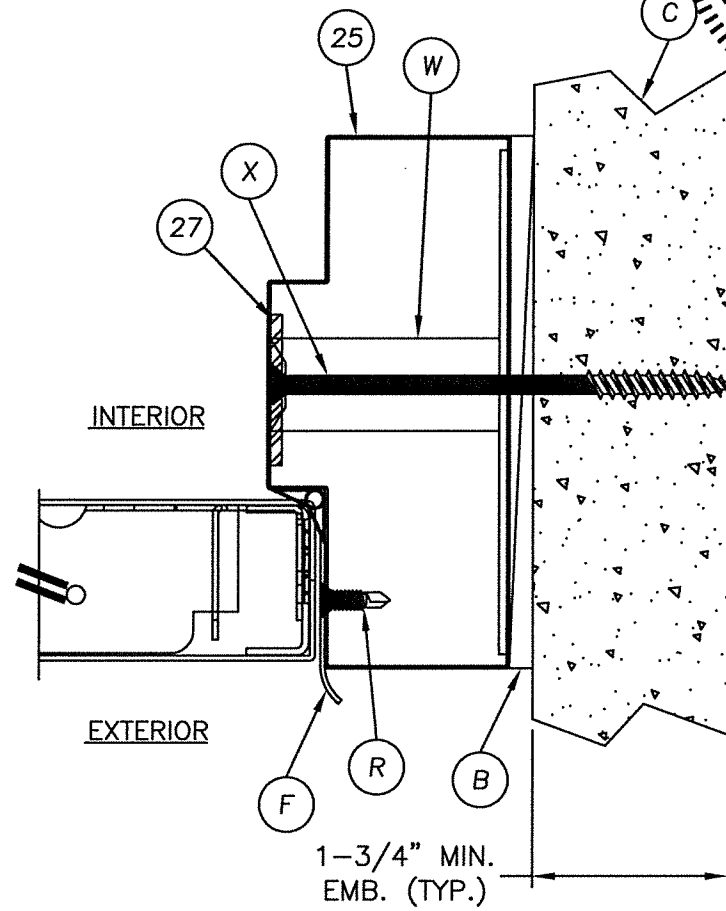


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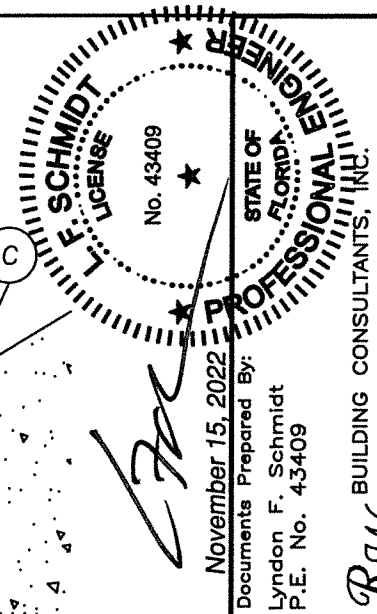
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PART OR ASSEMBLY: DOOR PANEL DETAILS			
NO.	DATE	REVISIONS	BY
DATE: 11/10/22		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-41788.15		SHEET 2 OF 10	



1 HORIZONTAL CROSS SECTION
3 @ HINGE SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ HINGE SHOWN WITH TUBE ANCHOR



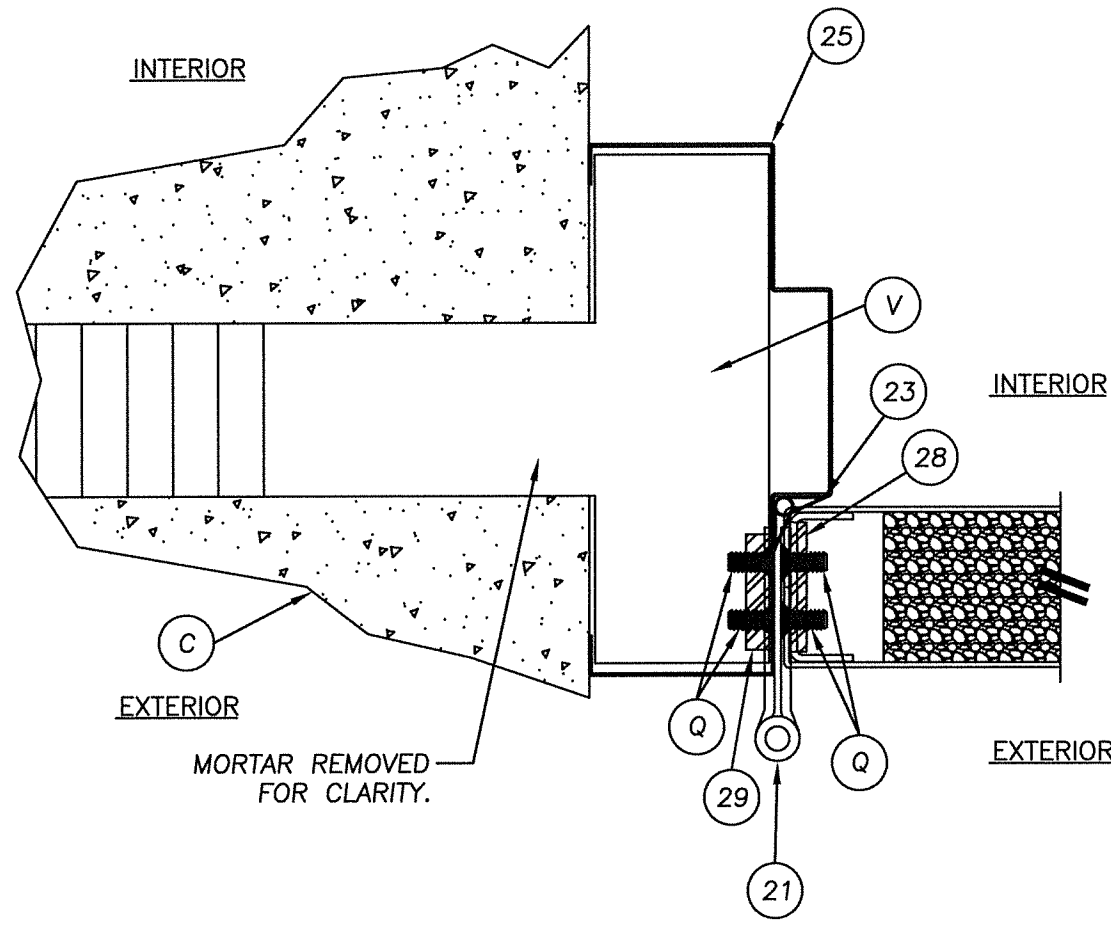
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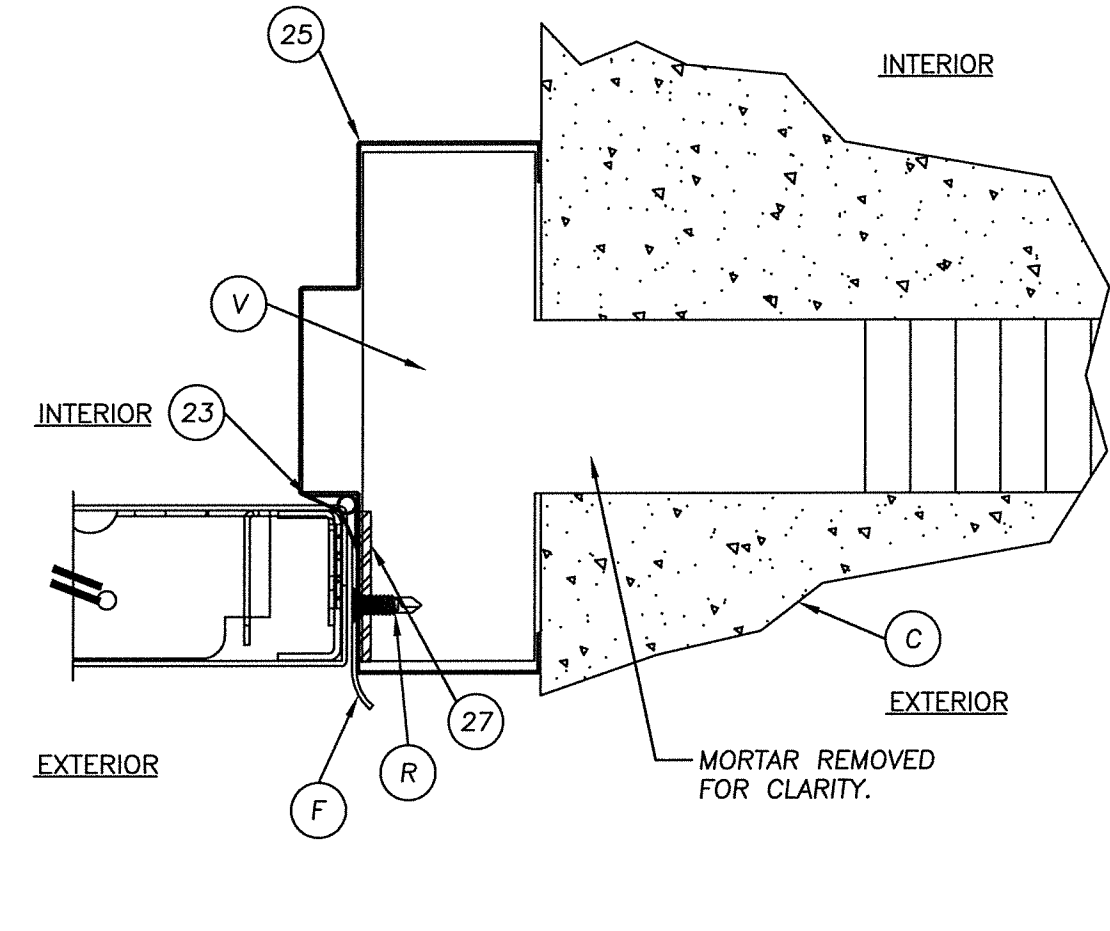
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"D" PANELS "NON-IMPACT"
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

REVISIONS		
NO.	DATE	BY

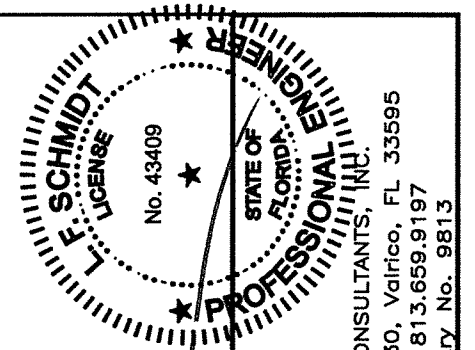
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DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41788.15
SHEET 3 OF 10



1 HORIZONTAL CROSS SECTION
 4 @ LATCH SHOWN WITH TEE ANCHOR



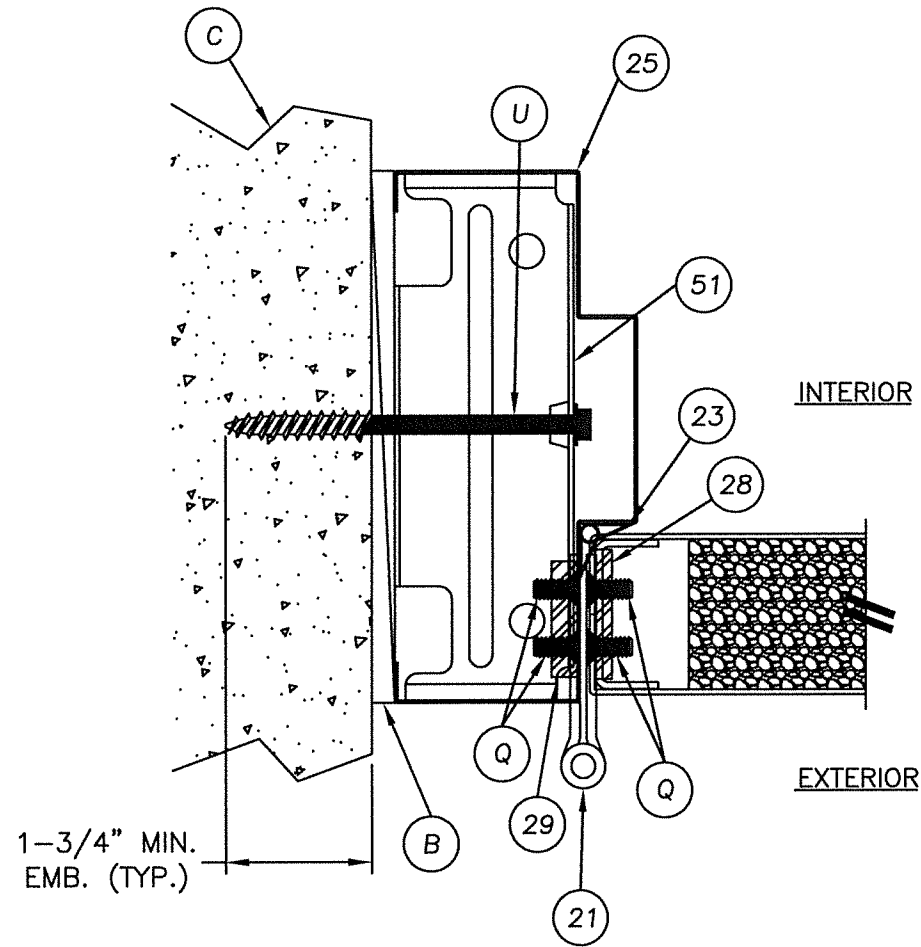
2 HORIZONTAL CROSS SECTION
 4 @ LATCH SHOWN WITH TEE ANCHOR



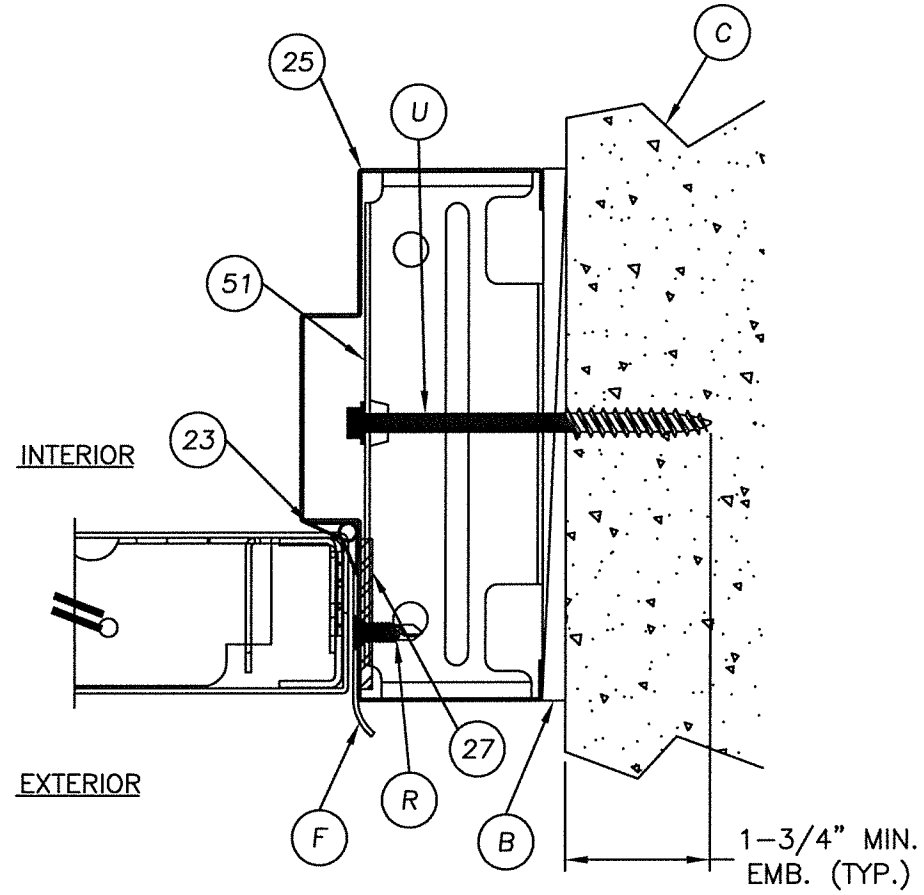
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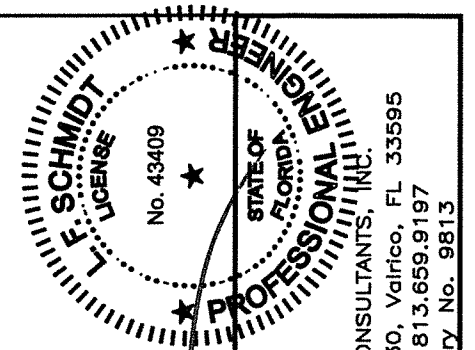
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PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		
NO.	DATE	BY
REVISIONS		
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CHK. BY: RW		
DRAWING NO.: FL-41788.15		
SHEET 4 OF 10		



1 HORIZONTAL CROSS SECTION
5 @ LATCH SHOWN WITH UNIVERSAL ANCHOR



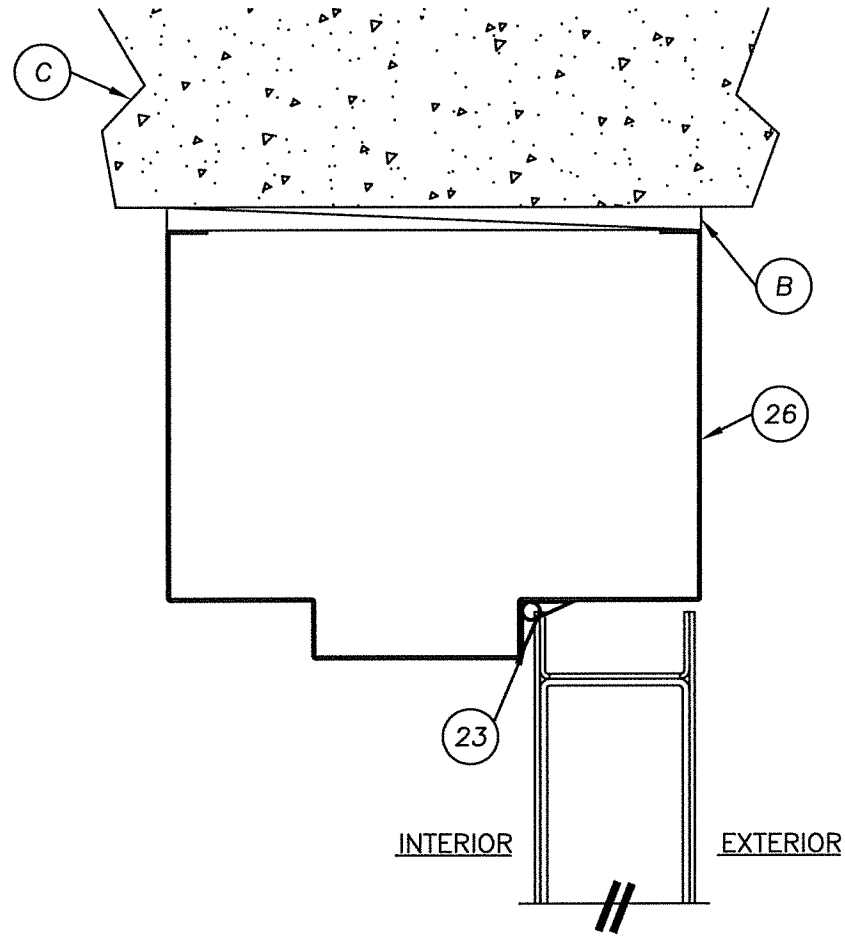
2 HORIZONTAL CROSS SECTION
5 @ LATCH SHOWN WITH UNIVERSAL ANCHOR



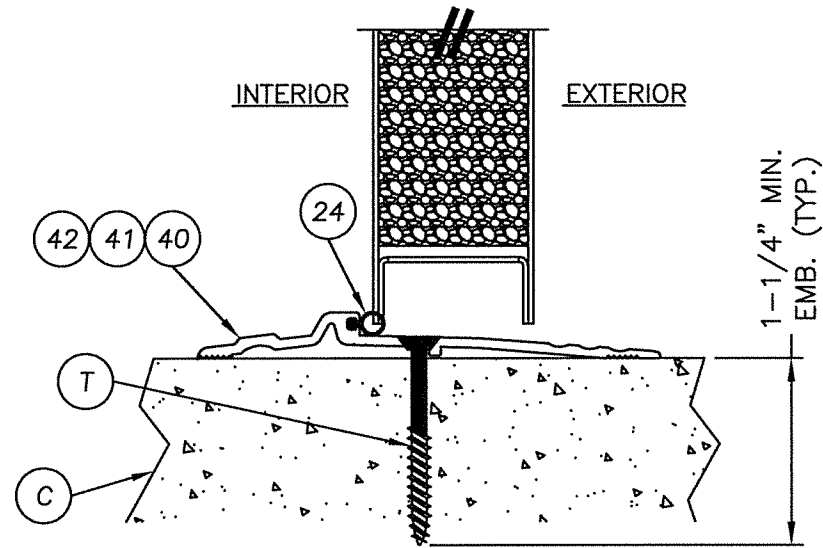
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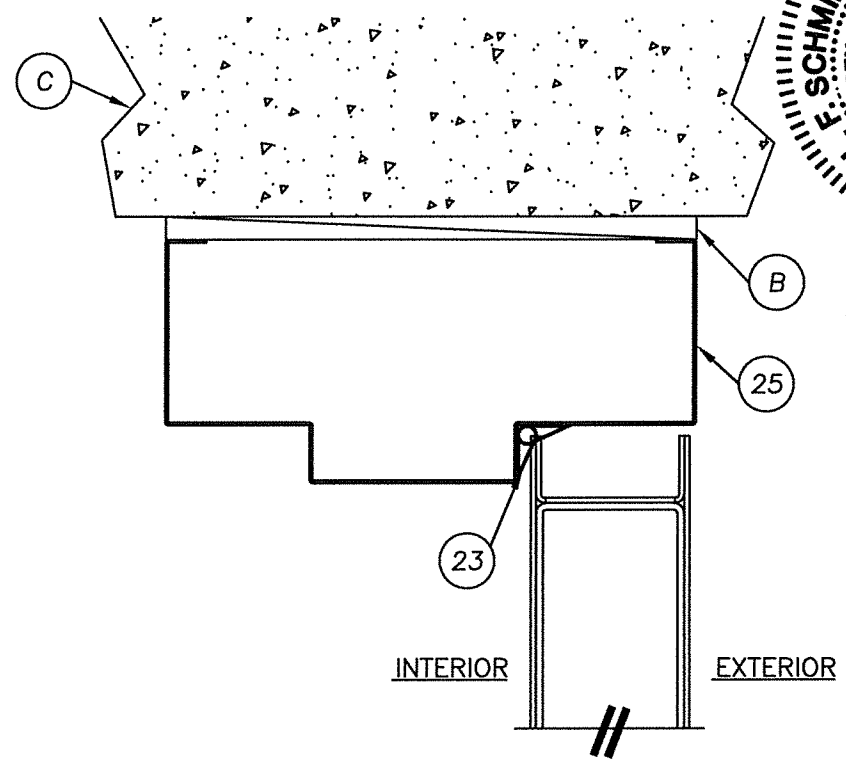
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NO.	DATE
BY	REVISIONS
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SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-41788.15	
SHEET 5 OF 10	



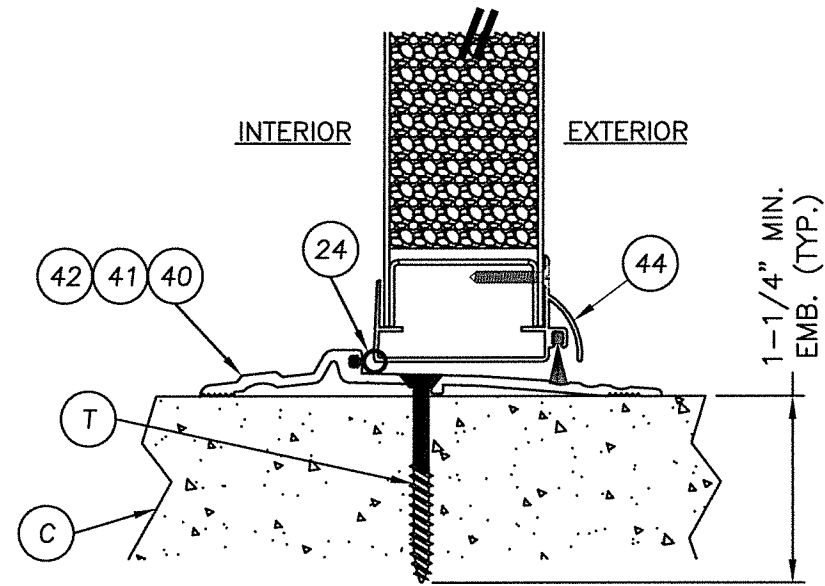
1 VERTICAL CROSS SECTION
6 @ HEAD



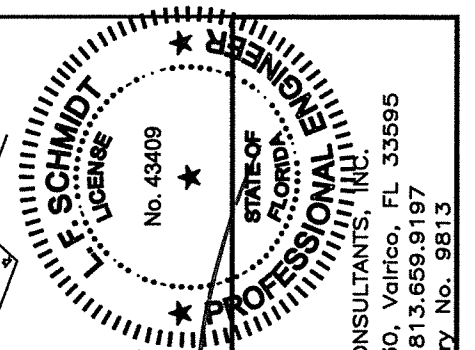
3 VERTICAL CROSS SECTION
6 @ THRESHOLD



2 VERTICAL CROSS SECTION
6 @ HEAD



4 VERTICAL CROSS SECTION
6 @ THRESHOLD



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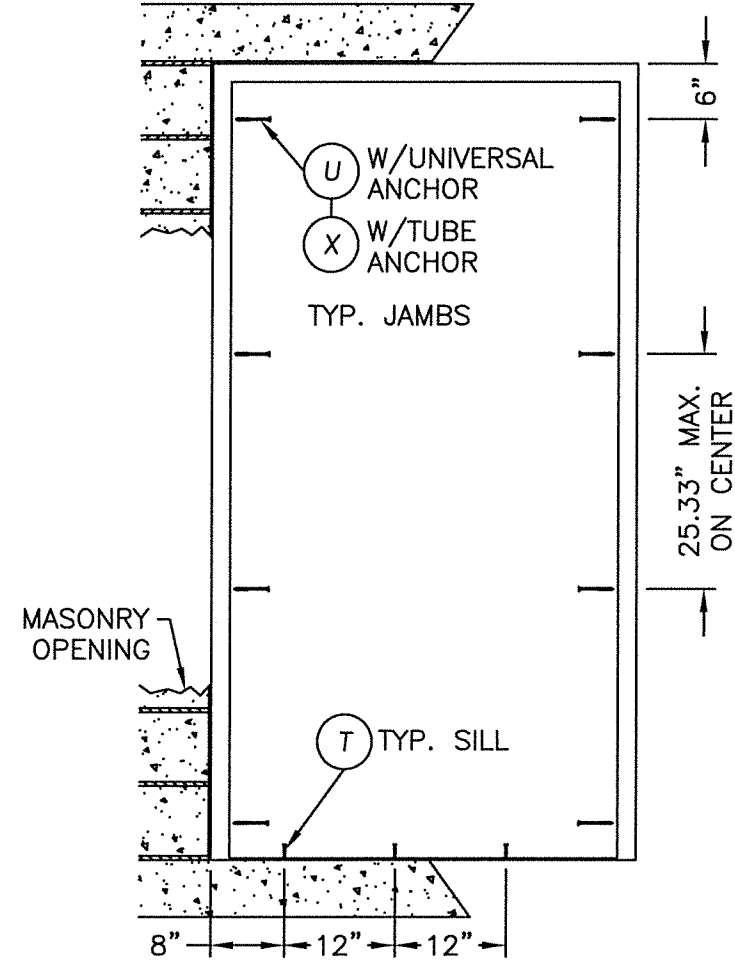
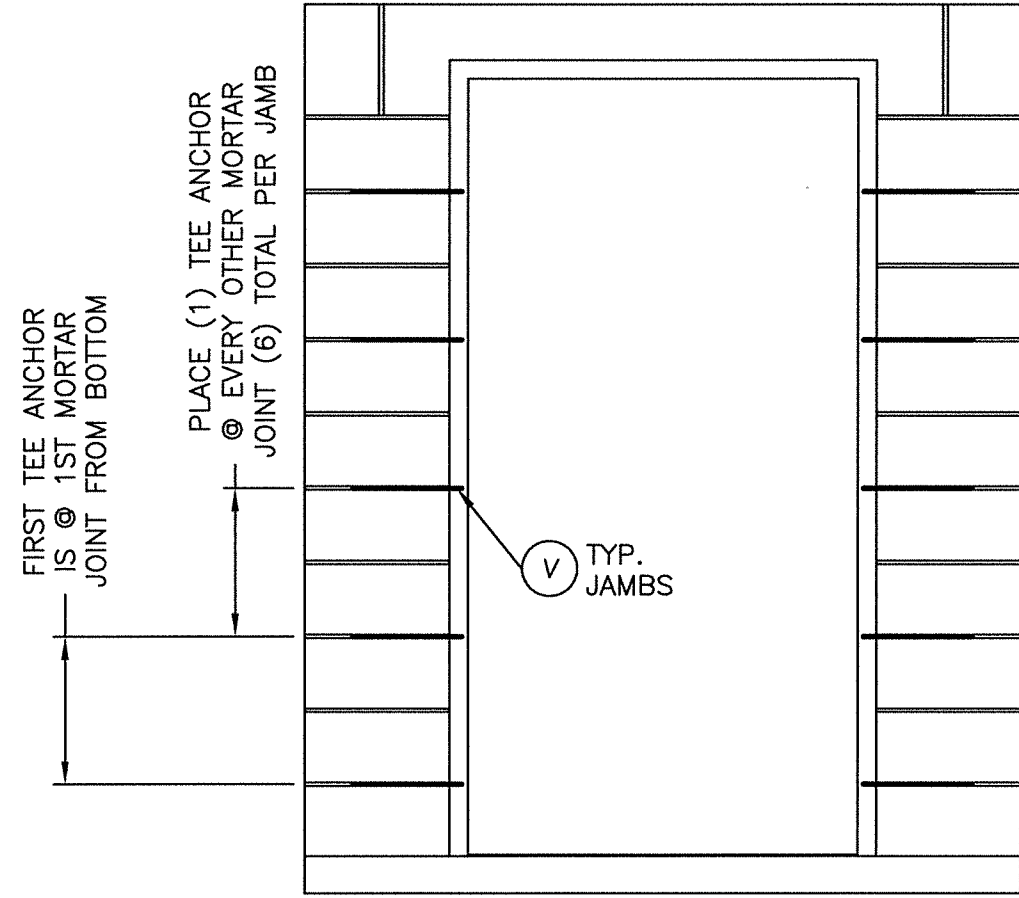
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 11/10/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41788.15
SHEET 6 OF 10

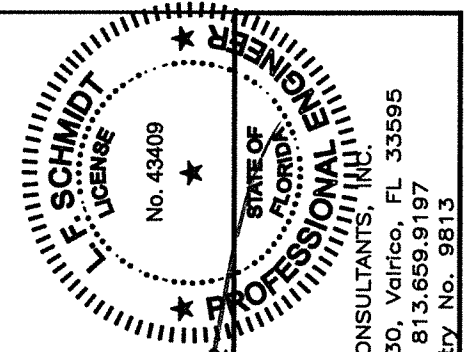


CONCRETE ANCHOR NOTES:

- 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"	2-1/2"	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.

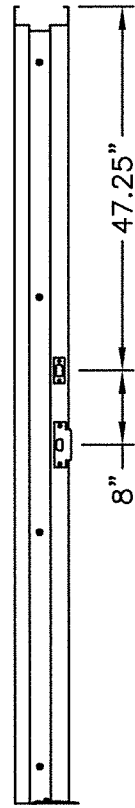


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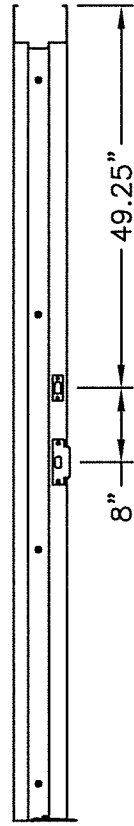
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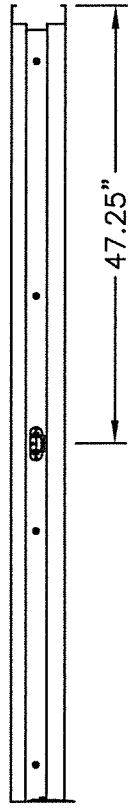
PRODUCT:		PREMIER PRODUCTS, INC.	
		"D" PANELS "NON-IMPACT"	
PART OR ASSEMBLY:		ANCHORING LOCATIONS	
NO.		DATE	
		BY	
		REVISIONS	
DATE: 11/10/22			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41788.15			
SHEET 7 OF 10			



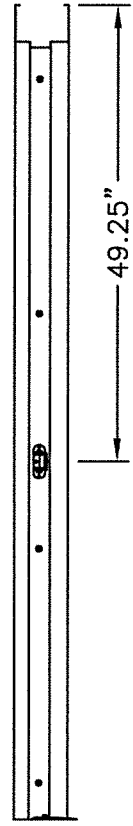
STRIKE PLATE
LOCATIONS 2" HEAD



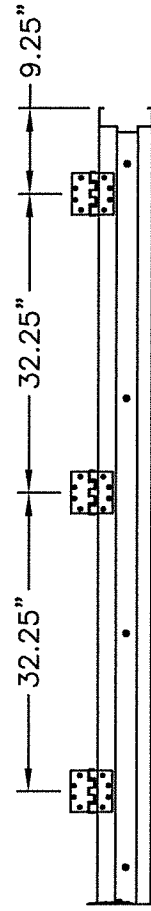
STRIKE PLATE
LOCATIONS 4" HEAD



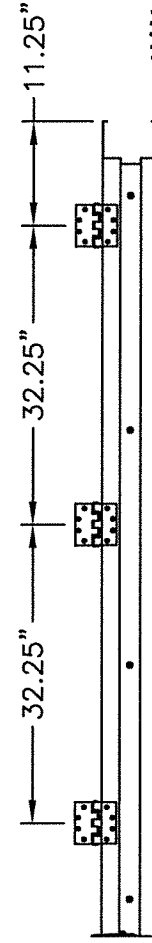
STRIKE PLATE
LOCATION 2" HEAD



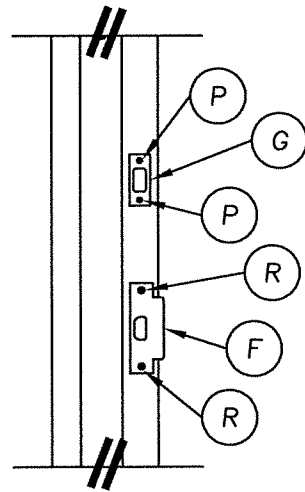
STRIKE PLATE
LOCATION 4" HEAD



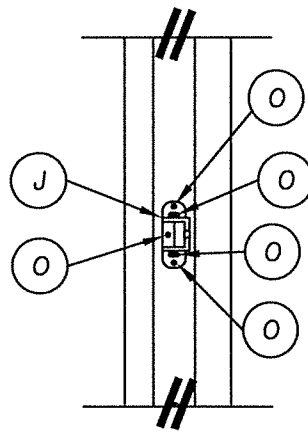
HINGE LOCATIONS
2" HEAD



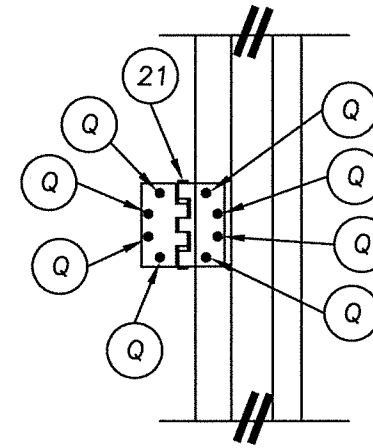
HINGE LOCATIONS
4" HEAD



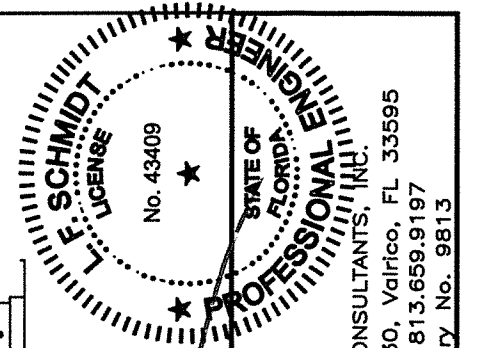
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT



RIM STRIKE DETAIL



HINGE DETAIL

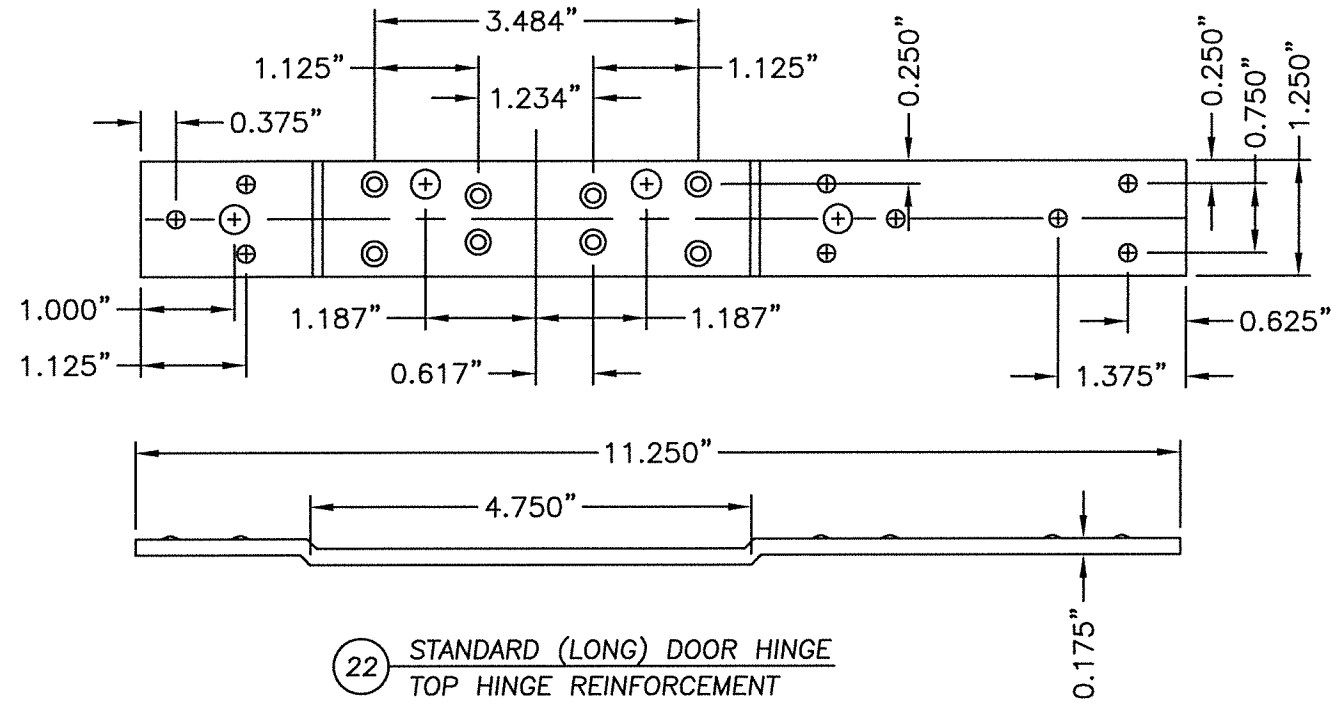


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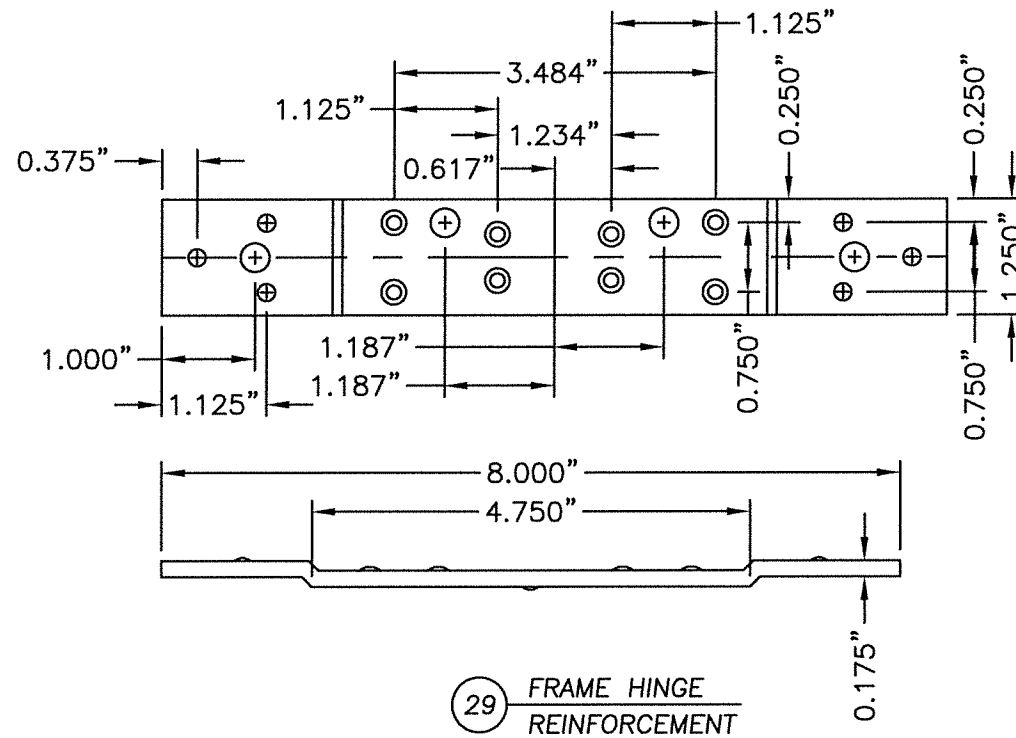
PRODUCT:	PREMIER PRODUCTS, INC. "D" PANELS "NON-IMPACT"
PART OR ASSEMBLY:	ANCHORING DETAILS

NO.	DATE	BY	REVISIONS

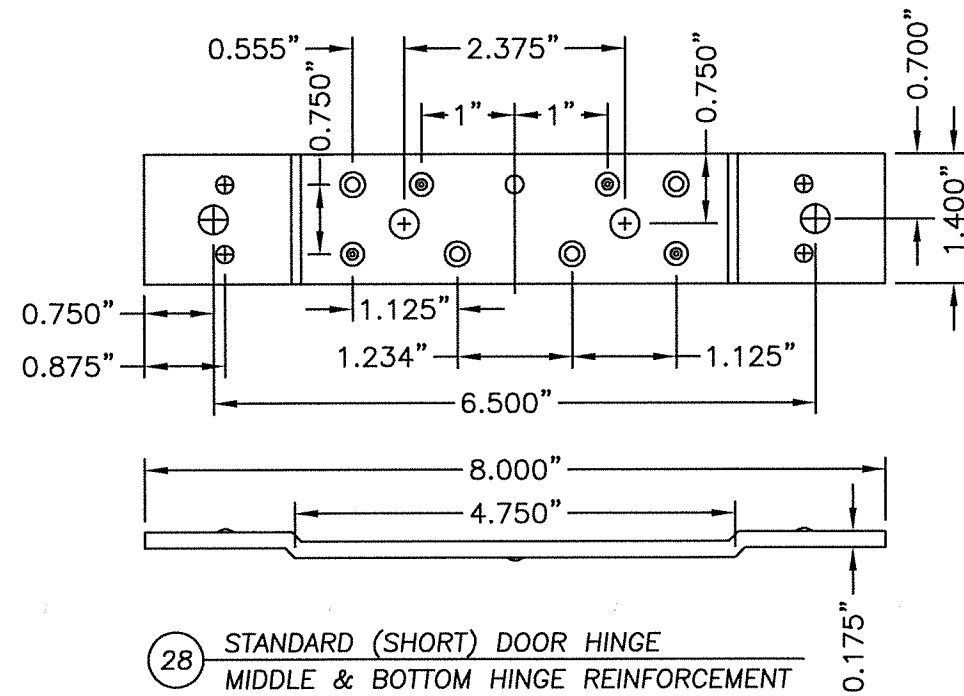
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 SCALE: N.T.S.
 DWG. BY: LFS
 CHK. BY: RW
 DRAWING NO.: FL-41788.15
 SHEET 8 OF 10



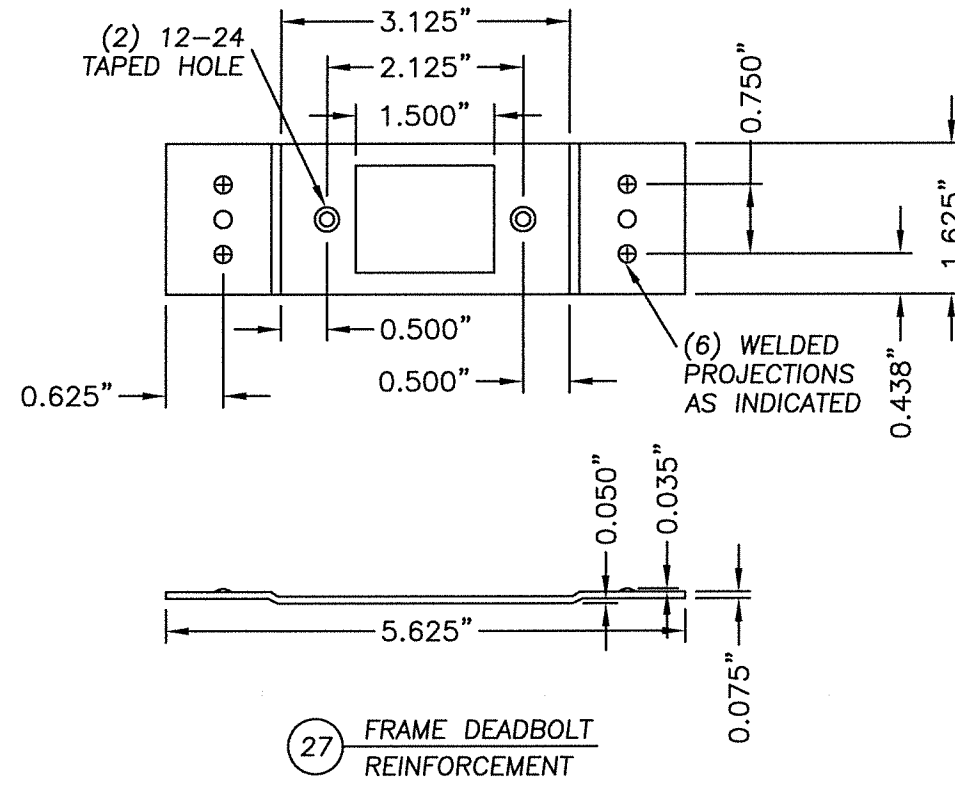
22 STANDARD (LONG) DOOR HINGE
TOP HINGE REINFORCEMENT



29 FRAME HINGE
REINFORCEMENT



28 STANDARD (SHORT) DOOR HINGE
MIDDLE & BOTTOM HINGE REINFORCEMENT



27 FRAME DEADBOLT
REINFORCEMENT

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

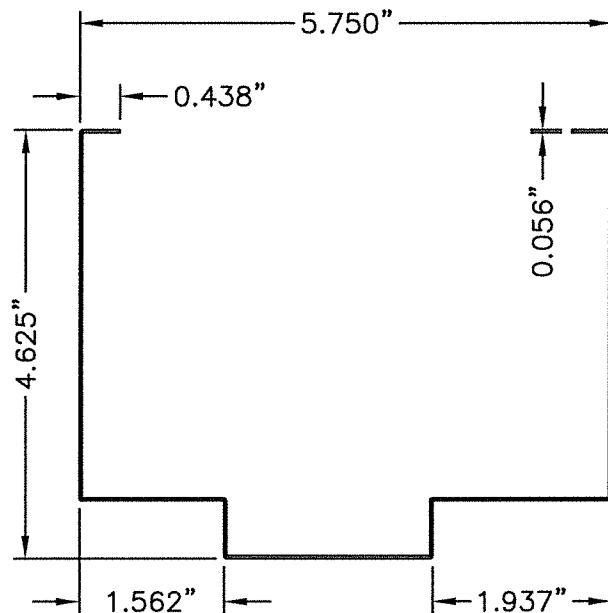
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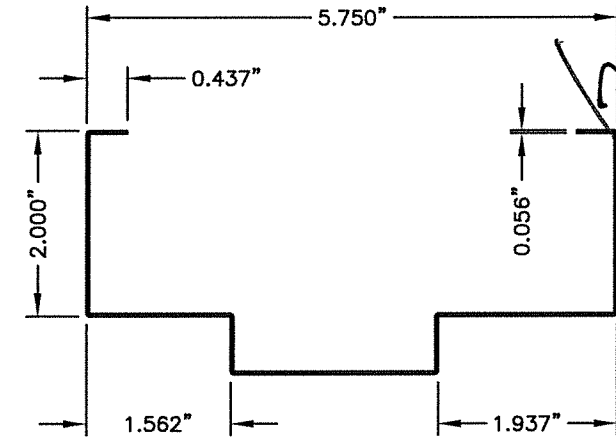
PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "NON-IMPACT"	
PART OR ASSEMBLY: COMPONENTS	
NO.	REVISIONS
DATE	BY
DATE: 11/10/22	
SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-41788.15	
SHEET 9 of 10	

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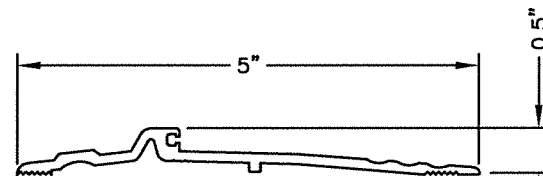
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
C	3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	DESIGN HARDWARE D-2 SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
H	VON DUPRIN 99 SERIES RIM PANIC HARDWARE	STEEL
J	RIM PANIC STRIKE PLATE	STEEL
O	#12 X 1" H.H. SELF TAPPING SCREW	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 PDLHR 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
26	FRAME 5-3/4" MIN. WITH 4" 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
55	LOUVER FRAME	STEEL
56	LOUVER PANEL	STEEL
57	#6 X 1-1/4" PFH SCREW	STEEL



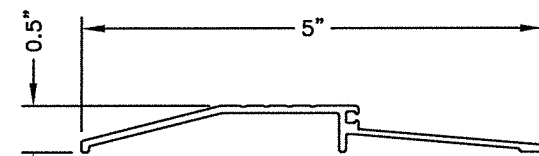
26 FRAME



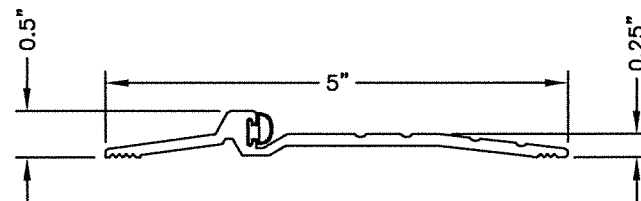
25 FRAME



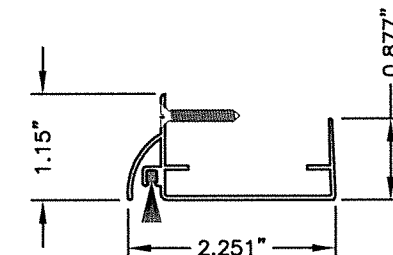
40 THRESHOLD



41 THRESHOLD



42 THRESHOLD



44 SWEEP

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PRODUCT:	PREMIER PRODUCTS, INC. "D" PANELS "NON-IMPACT"
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

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CHK. BY:	RW
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