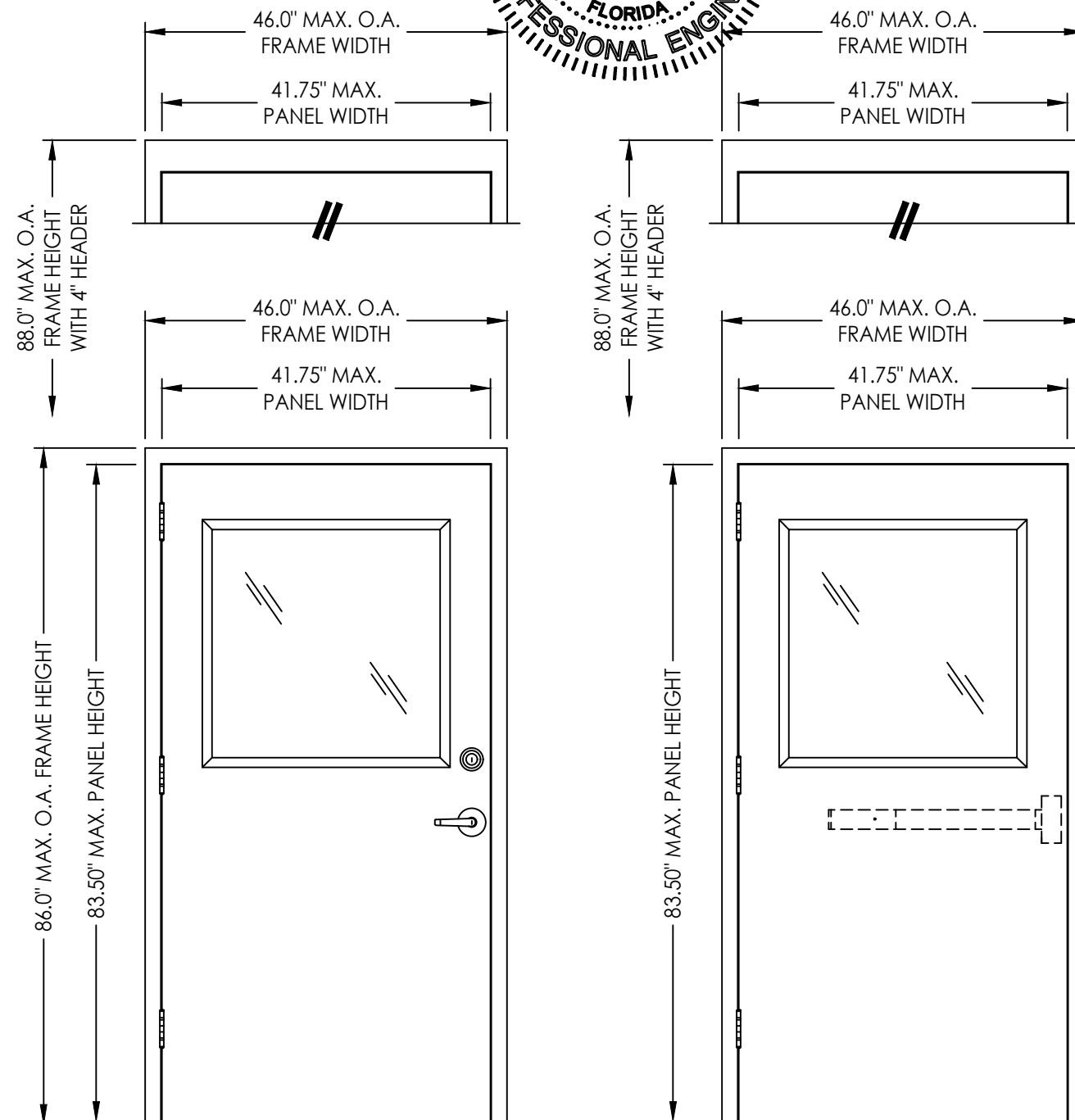




1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Frame anchoring
8	Anchoring details
9	Components
10	Bill of materials, glazing detail & components



FRAME TYPE	OVERALL FRAME DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	LOCK TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
2" HEAD	46.0" x 86.0"	29.0" X 29.0"	G1	161 LATCH & DEADBOLT (DESIGN HARDWARE) OR PANIC EXIT DEVICE (VON DUPRIN)	+40.0	-40.0
4" HEAD	46.0" x 88.0"					

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

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

[illegible]

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: *LFS*

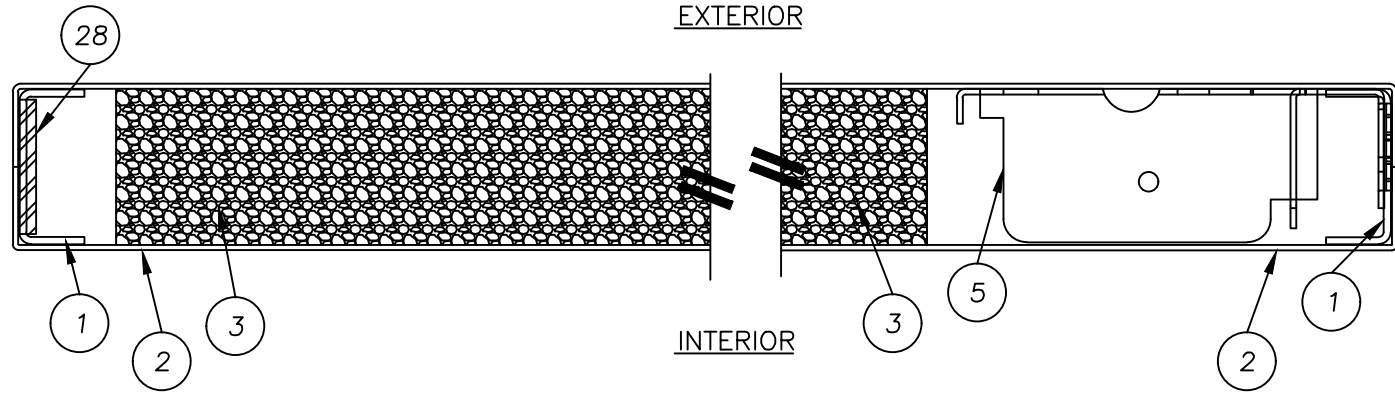
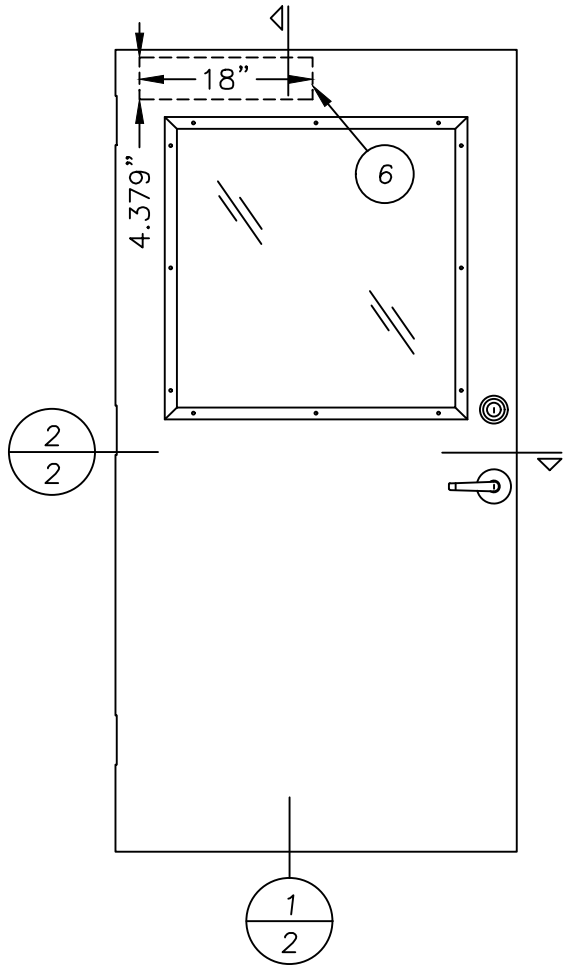
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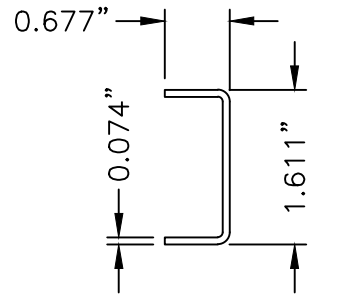
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SHEET 1 OF 10

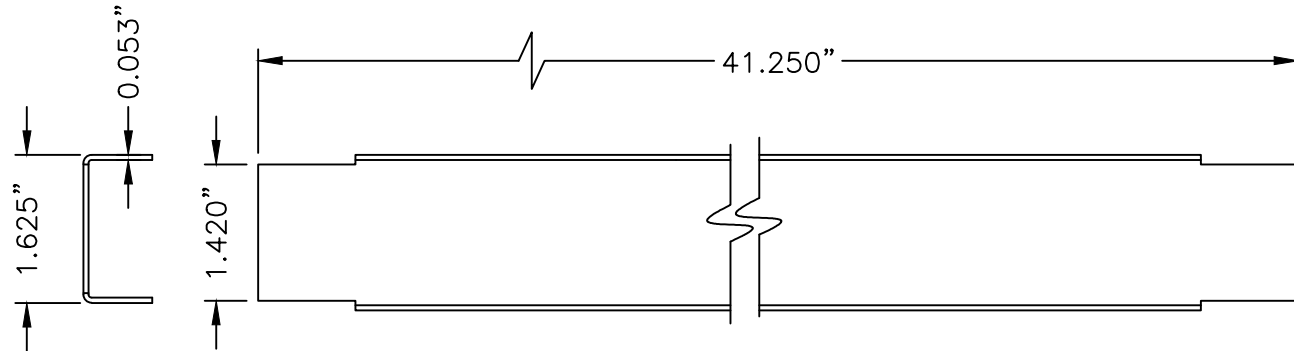
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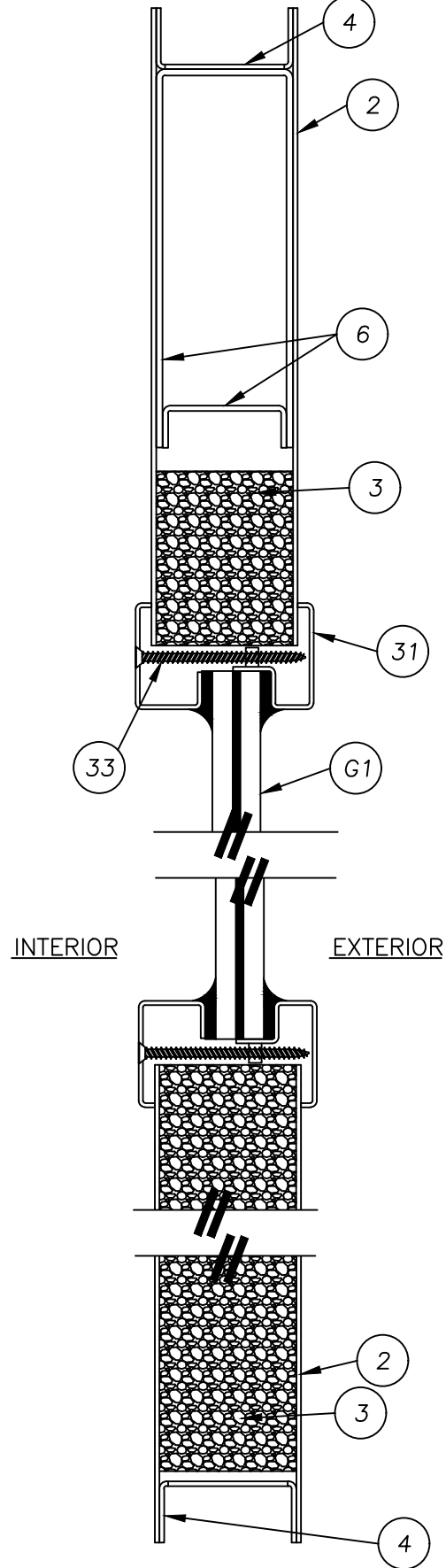
2
2 HORIZONTAL CROSS SECTION



1 DOOR STILE EDGE REINFORCEMENT



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



1
2 VERTICAL CROSS SECTION

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

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

NO.	DATE	REVISIONS
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

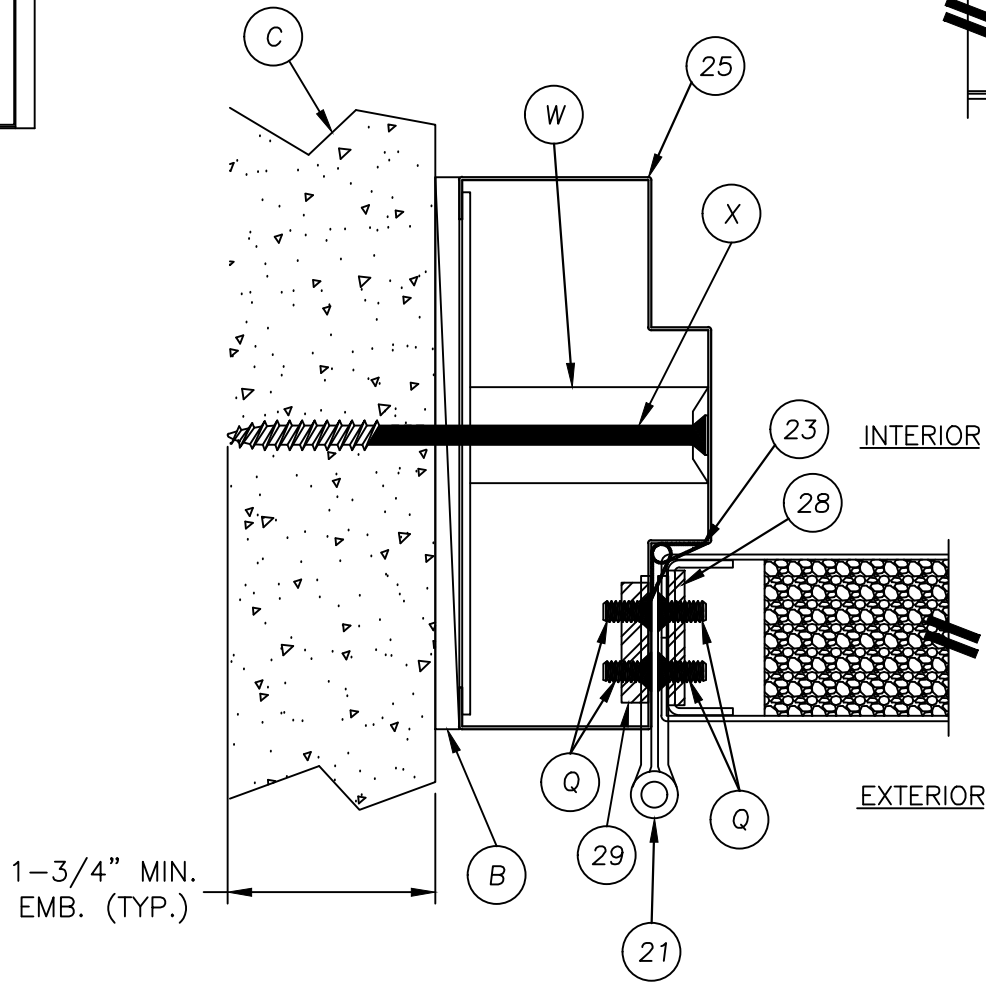
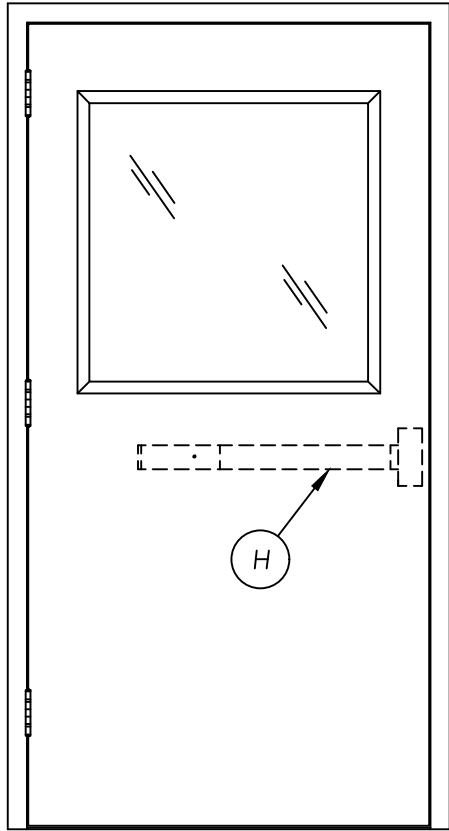
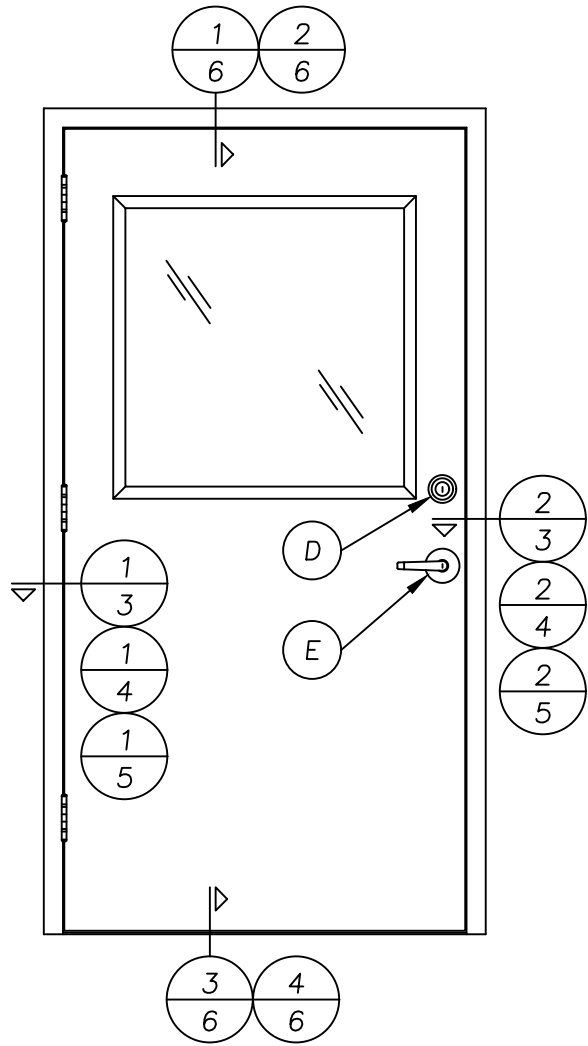
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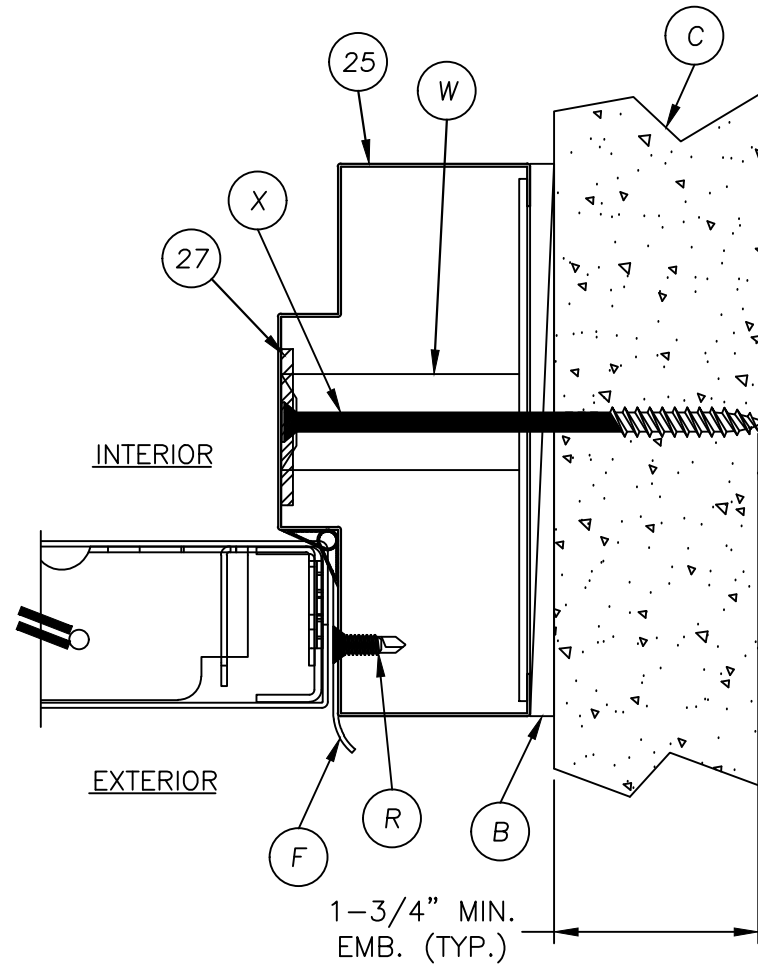
SHEET 2 OF 10

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

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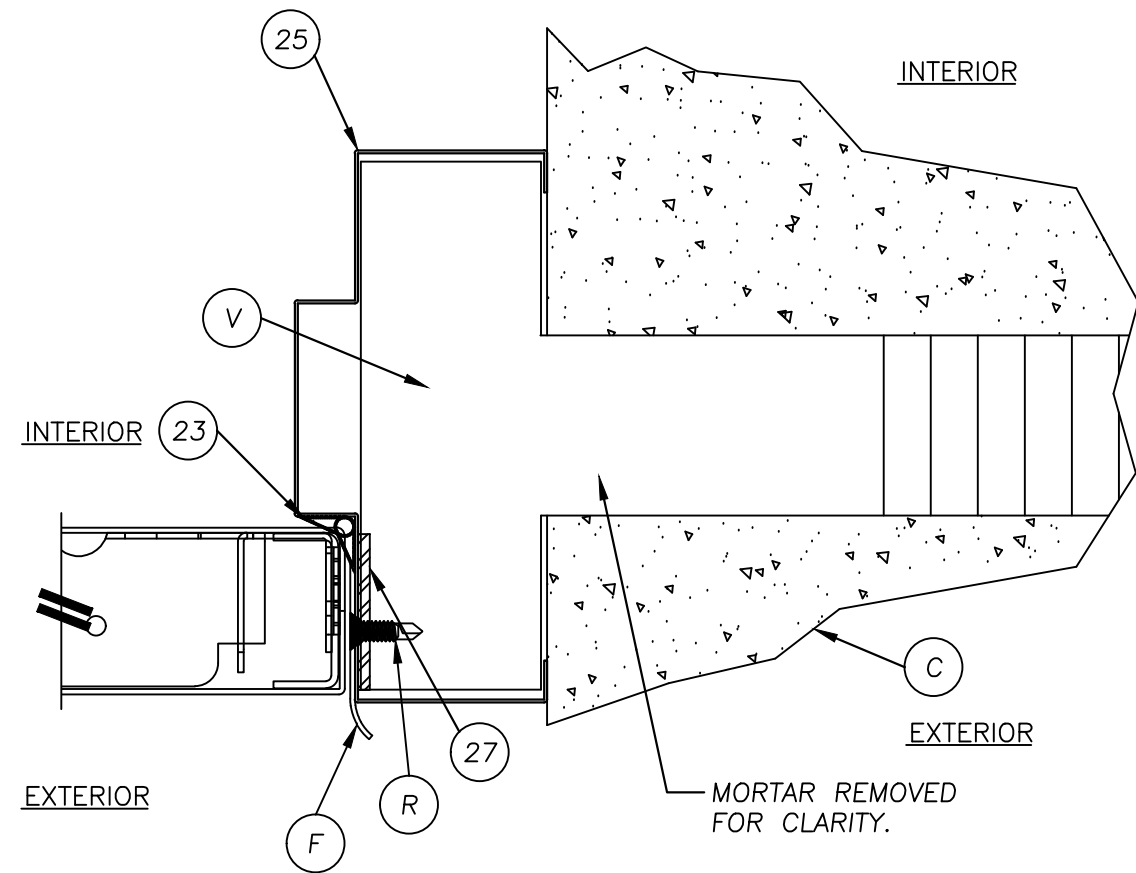
1 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR

DATE: 11/10/22				PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.				PREMIER PRODUCTS, INC.		Lyndon F. Schmidt	
DWG. BY: LFS				"D" PANELS "IMPACT"		P.E. No. 43409	
CHK. BY: RW							
DRAWING NO.: FL-41788.14							
SHEET 3 OF 10							
				PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
				HORIZONTAL CROSS SECTIONS			
NO.		DATE		8/21/23		UPDATE TO 8TH ED. (2023)	
1						LFS	
						BY	
				REVISIONS			

1 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR



2 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR

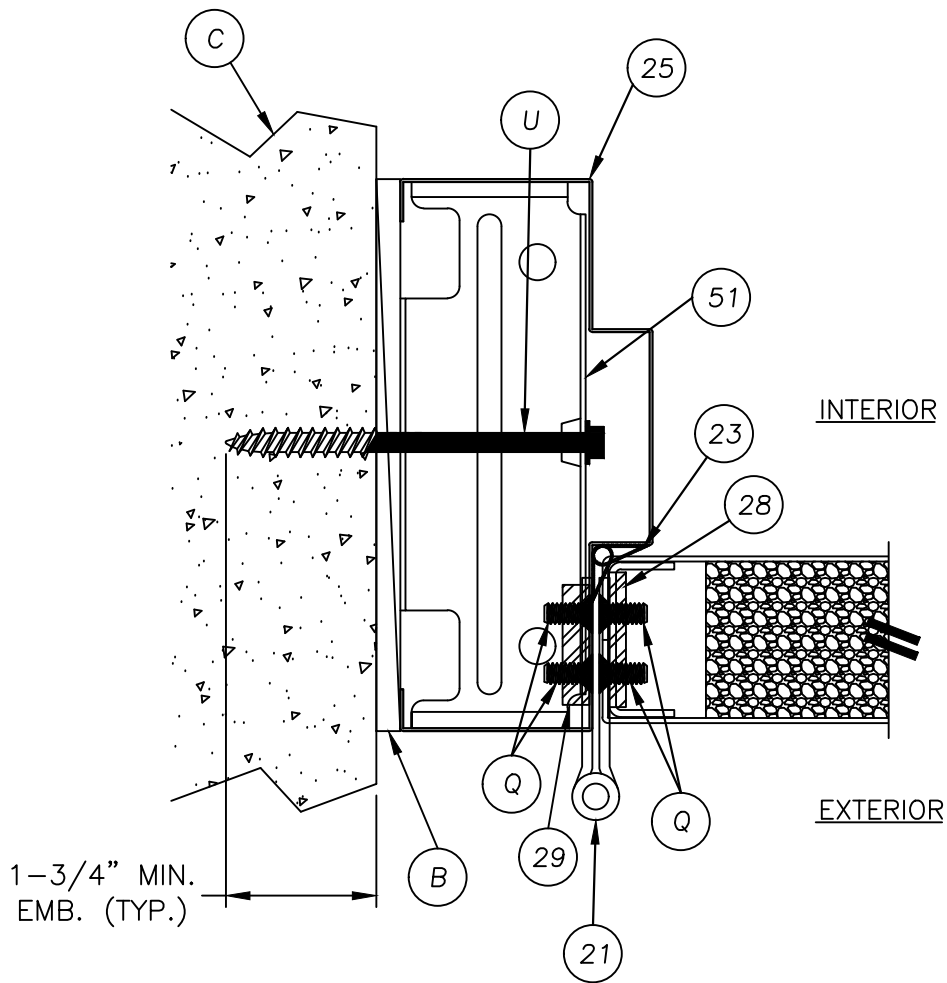
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NO.	DATE			BY
				REVISIONS

SHEET 4 OF 10

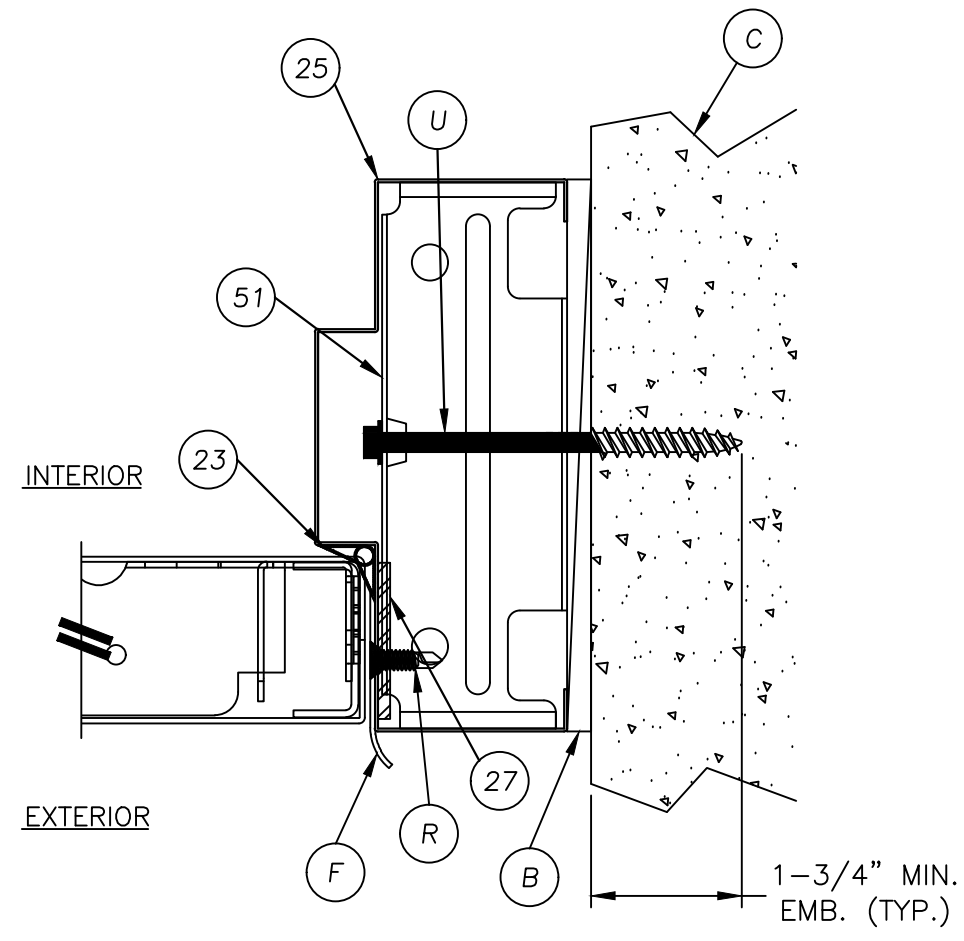
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FBPE Registry No. 9813

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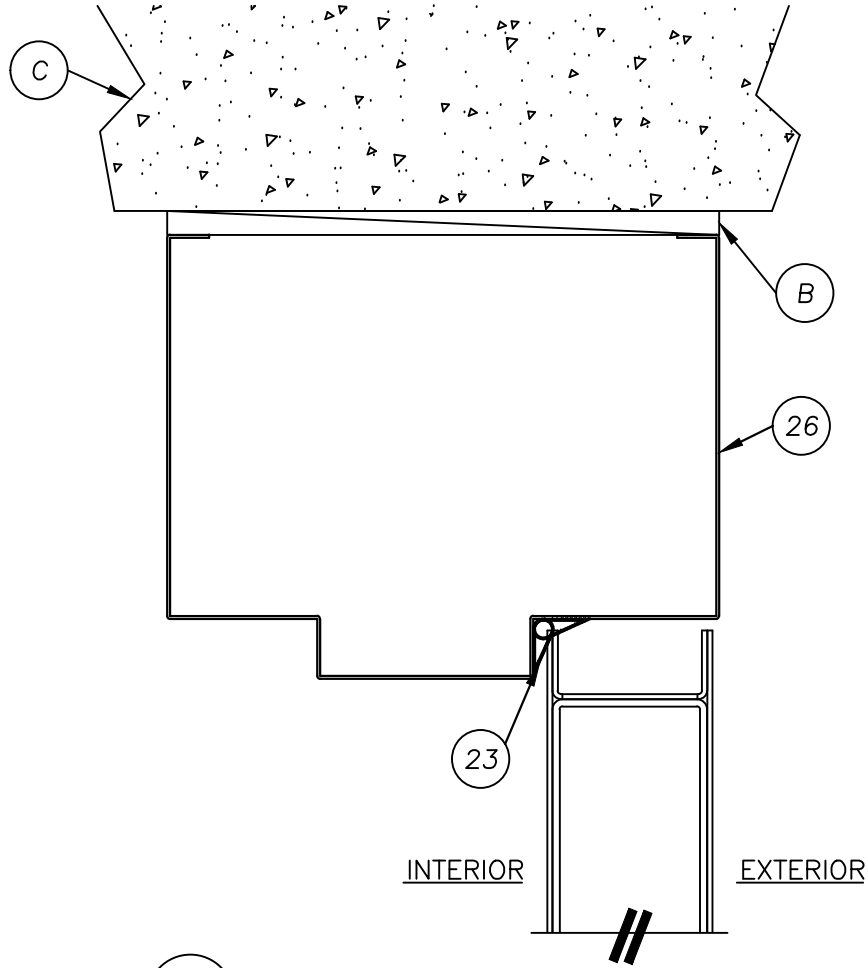
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5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



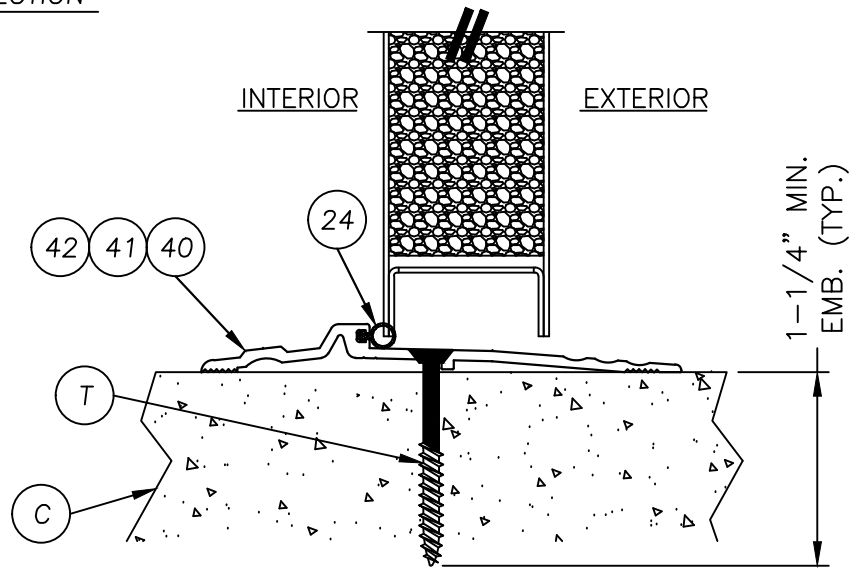
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DATE: 11/10/22		Documents Prepared By:	
SCALE: N.T.S.		Lyndon F. Schmidt	
DWG. BY: LFS		P.E. No. 43409	
CHK. BY: RW		BUILDING CONSULTANTS, INC.	
DRAWING NO.: FL-41788.14		P.O. Box 230, Valrico, FL 33595	
SHEET 5 OF 10		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	
		R.W.	
		PREMIER PRODUCTS, INC.	
		"D" PANELS "IMPACT"	
		PART OR ASSEMBLY:	
		HORIZONTAL CROSS SECTIONS	
		REVISONS	
		NO. DATE	
		1 8/21/23 UPDATE TO 8TH ED. (2023) FBC LFS	
		BY	

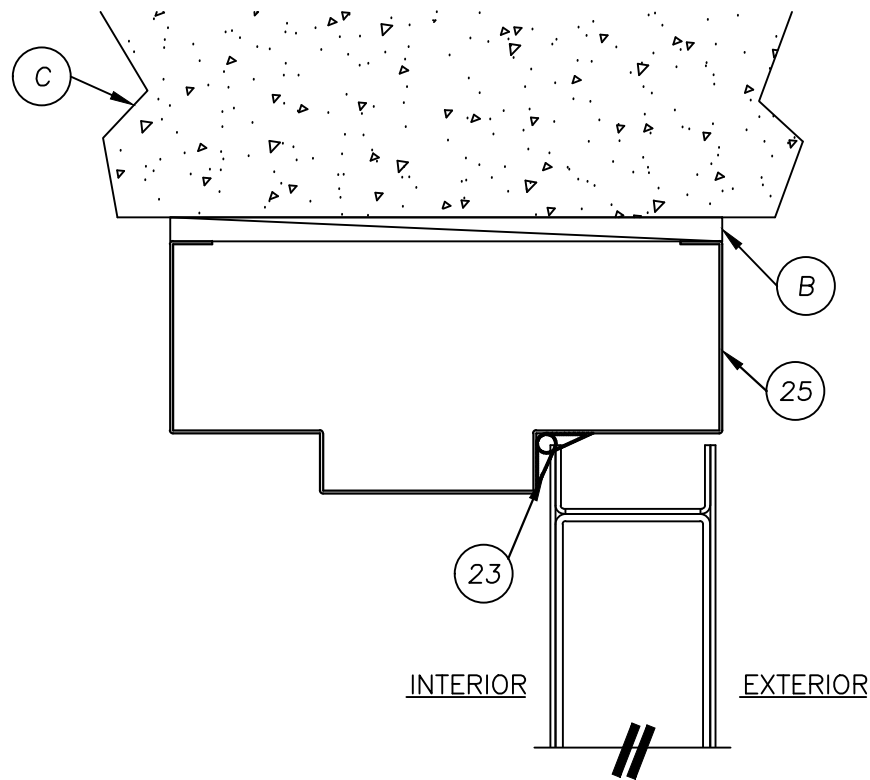
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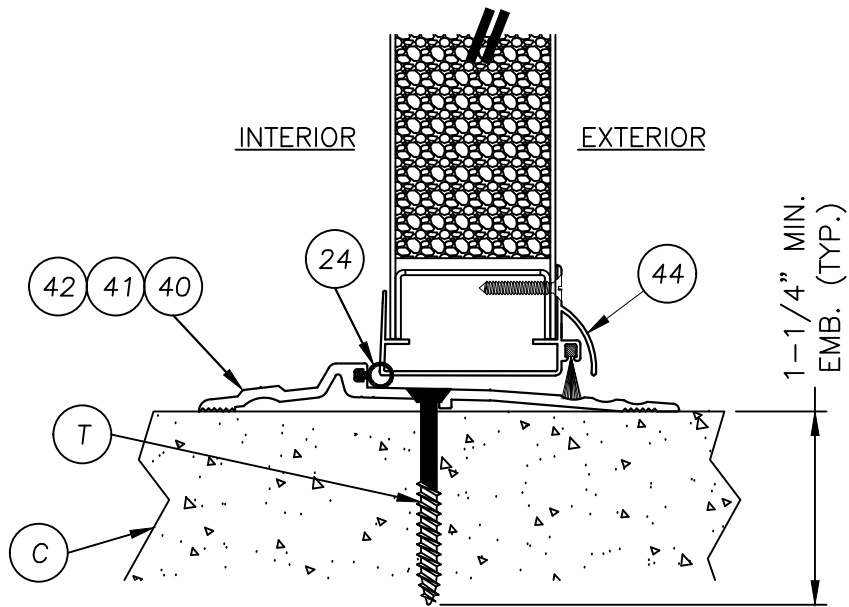
1
6 VERTICAL CROSS SECTION
@ HEAD



3
6 VERTICAL CROSS SECTION
@ THRESHOLD



2
6 VERTICAL CROSS SECTION
@ HEAD



4
6 VERTICAL CROSS SECTION
@ THRESHOLD

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

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

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

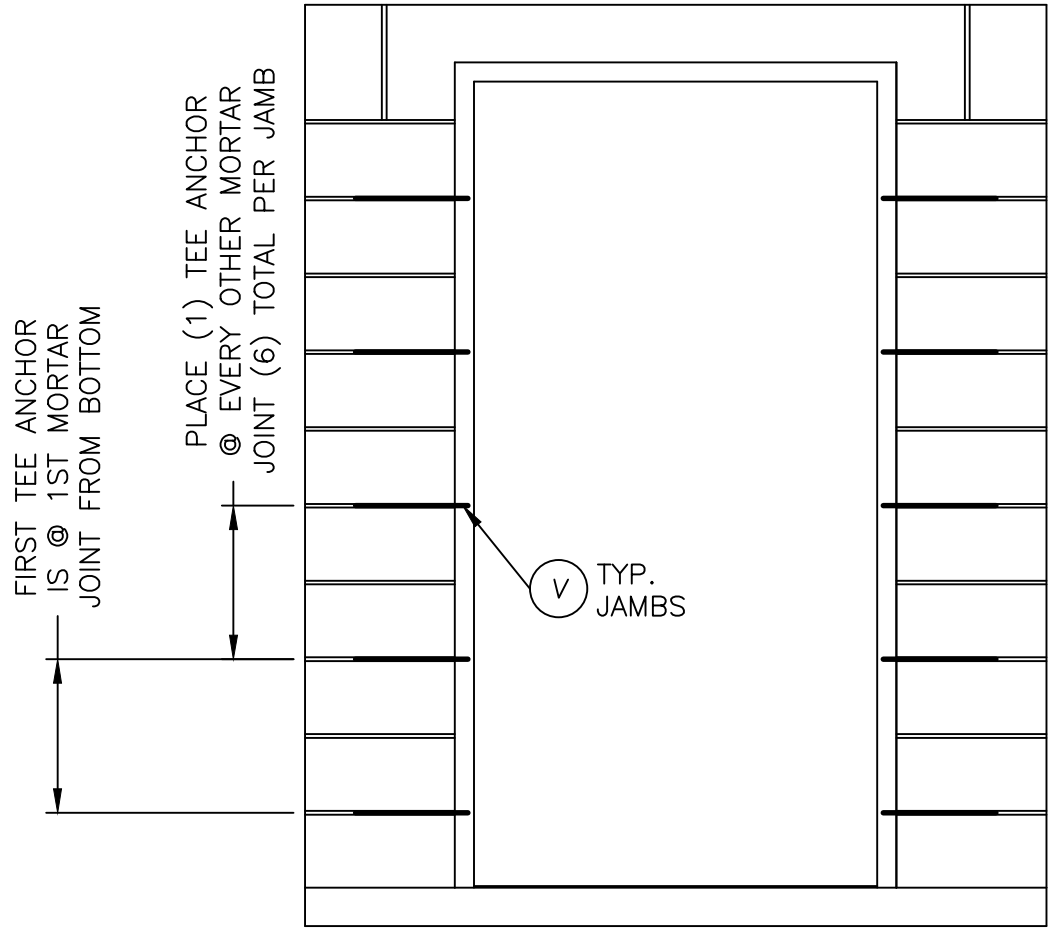
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DRAWING NO.: FL-41788.14

SHEET 6 OF 10

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

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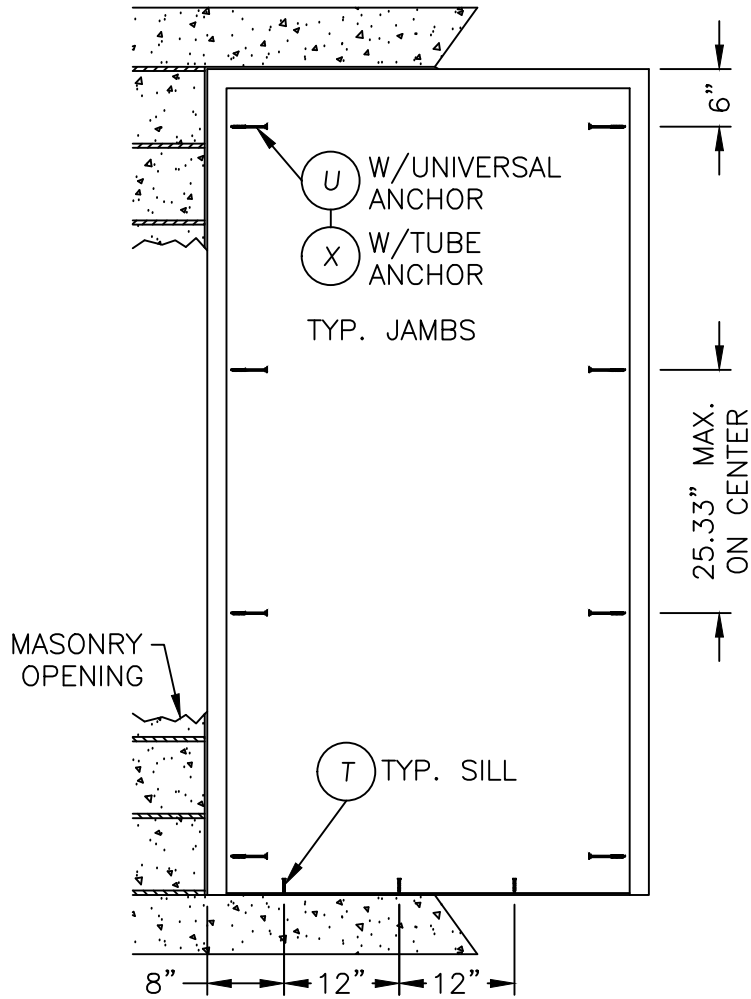


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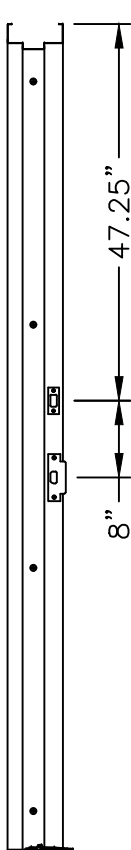
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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"

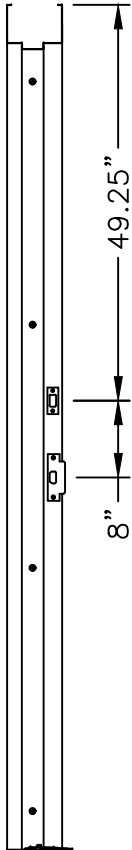
4. Embedment may be through 1-1/4" face shell of hollow block.



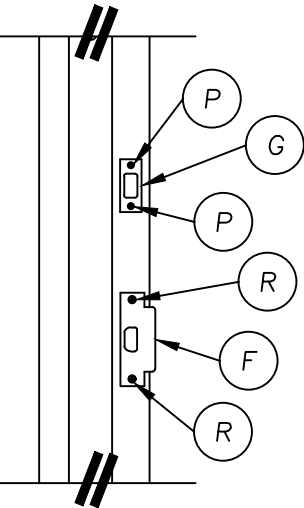
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PREMIER PRODUCTS, INC. "D" PANELS "IMPACT"		PART OR ASSEMBLY: FRAME ANCHORING	
		DATE: 11/10/22	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-41788.14	
		SHEET 7 OF 10	
		NO. DATE	REVISIONS
		1 8/21/23	UPDATE TO 8TH ED. (2023) FBC
			LFS
			BY



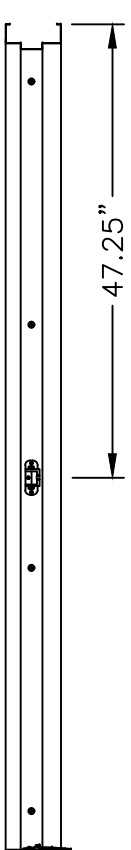
STRIKE PLATE
LOCATIONS 2" HEAD



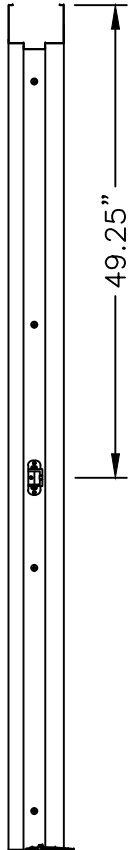
STRIKE PLATE
LOCATIONS 4" HEAD



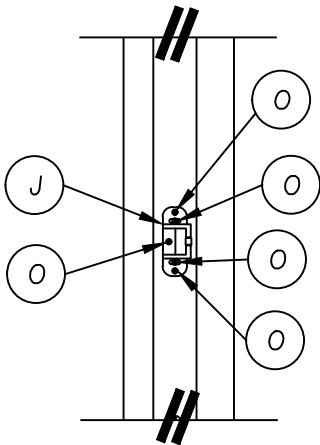
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT



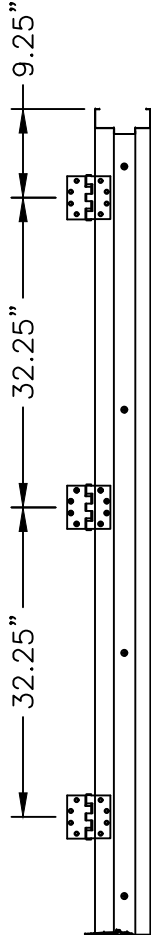
STRIKE PLATE
LOCATION 2" HEAD



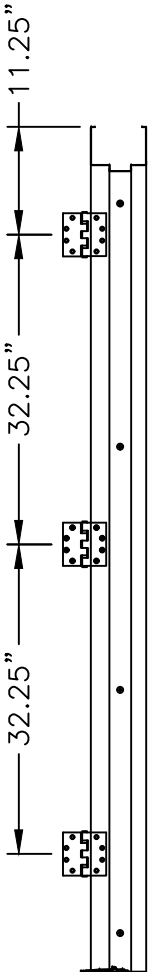
STRIKE PLATE
LOCATION 4" HEAD



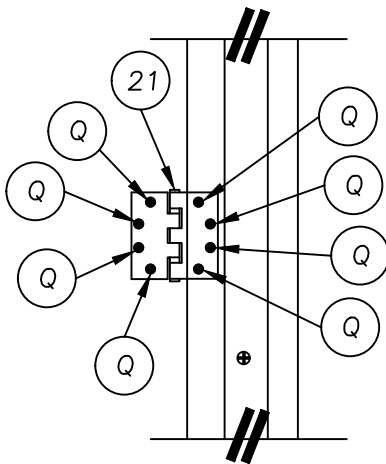
RIM STRIKE DETAIL



HINGE LOCATIONS
2" HEAD



HINGE LOCATIONS
4" HEAD



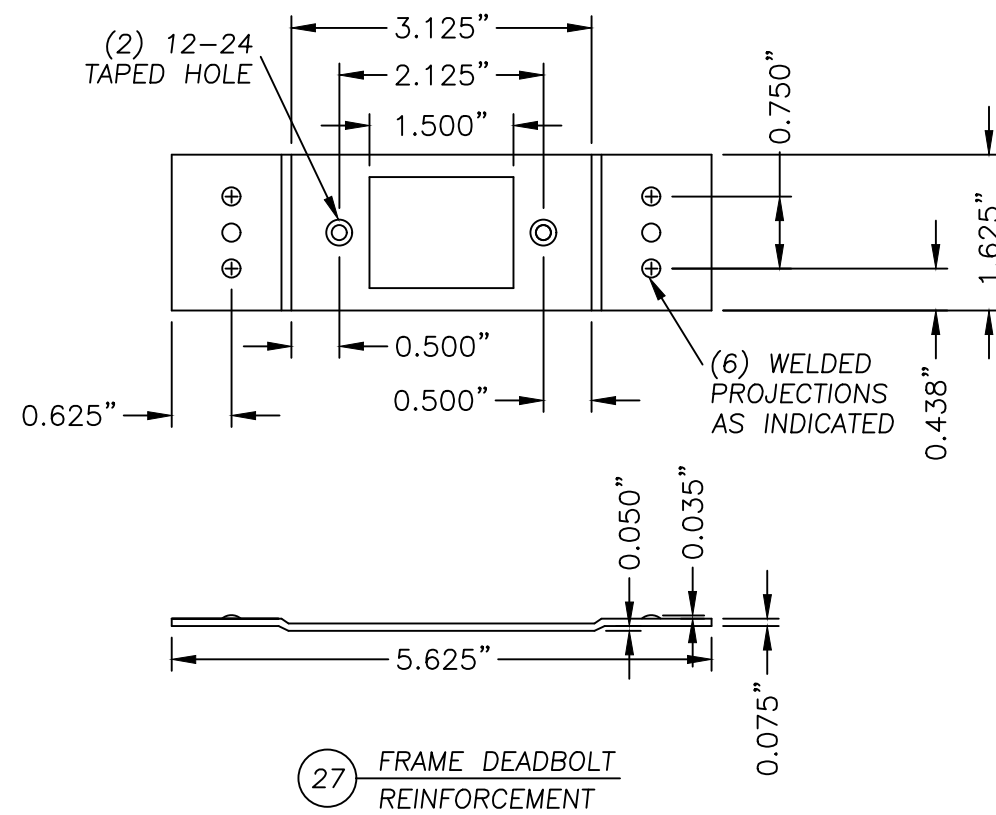
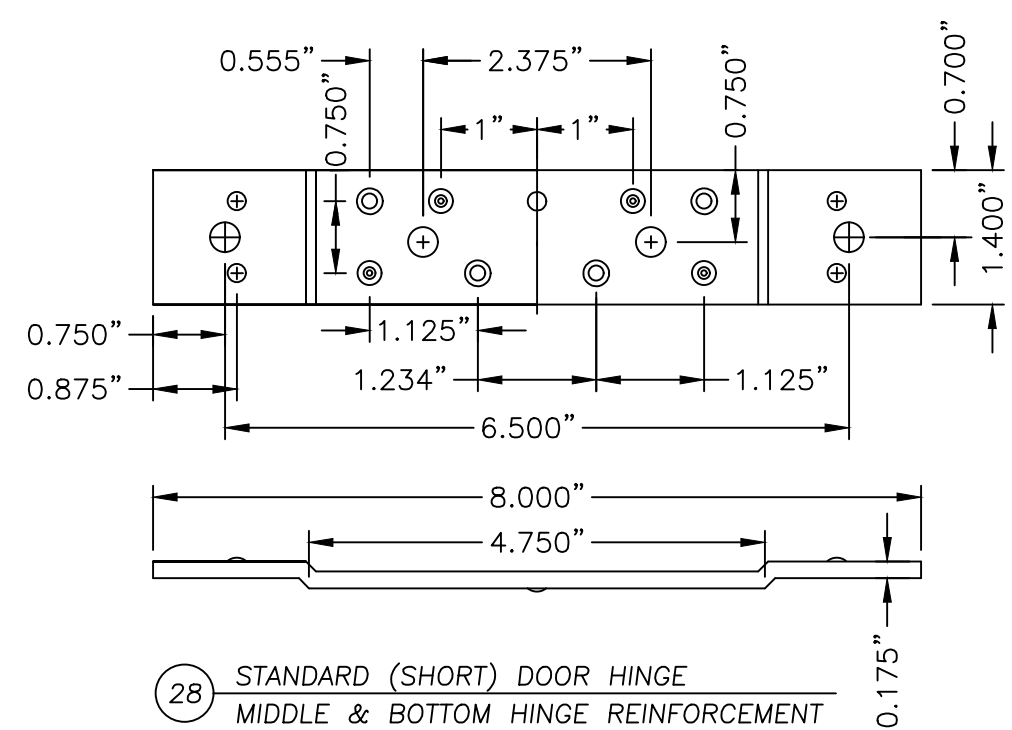
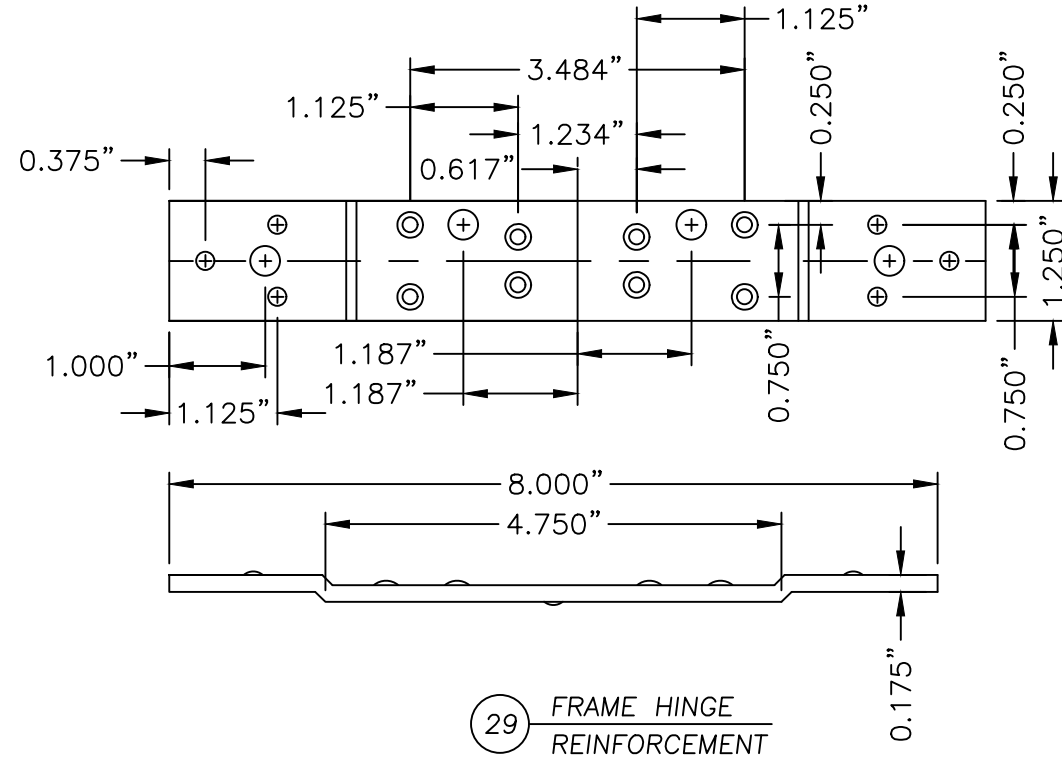
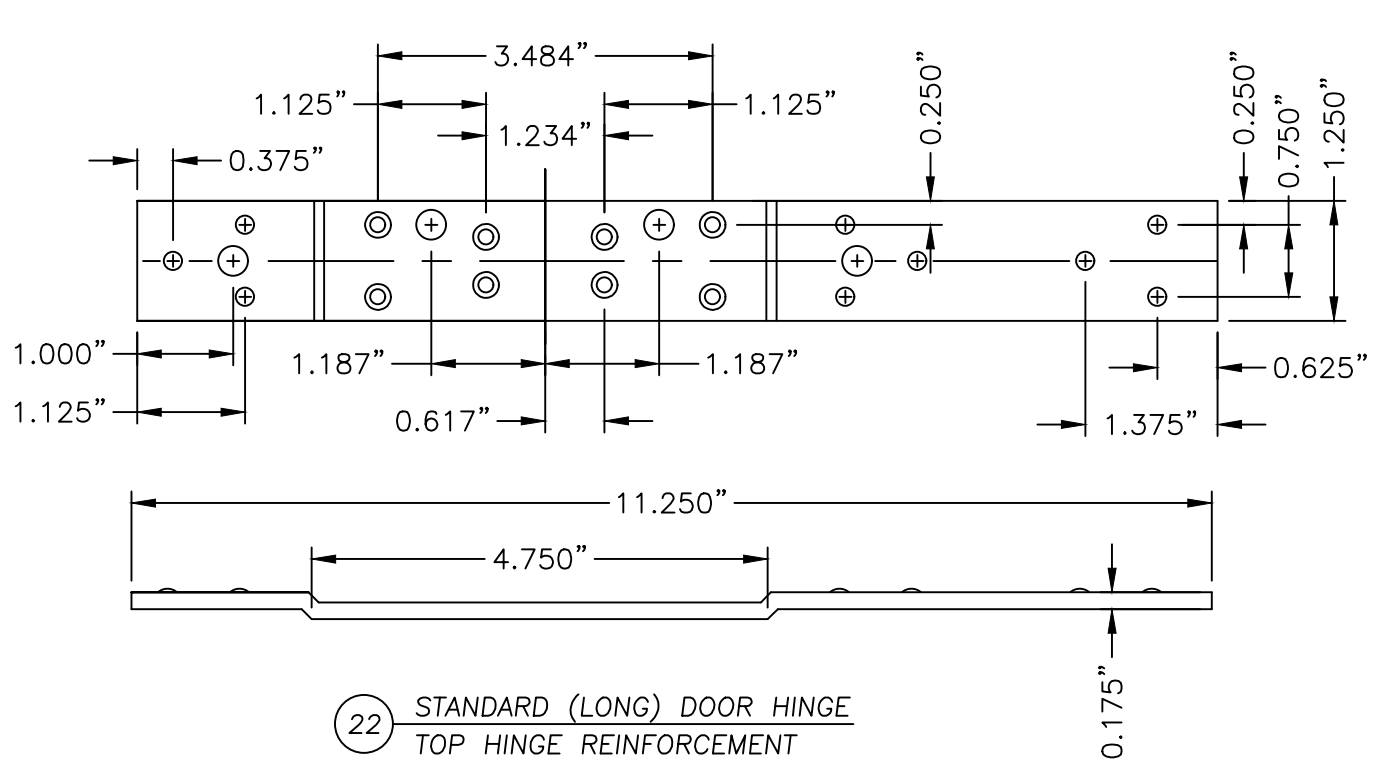
HINGE DETAIL

[illegible]

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

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

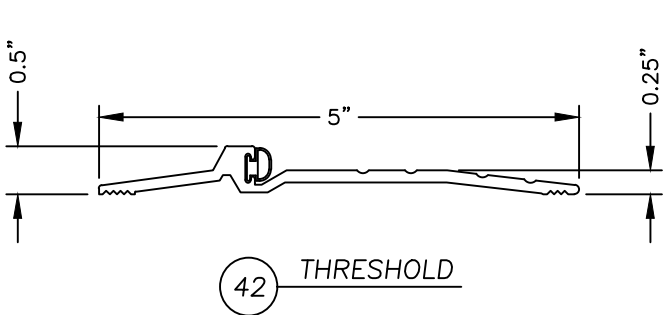
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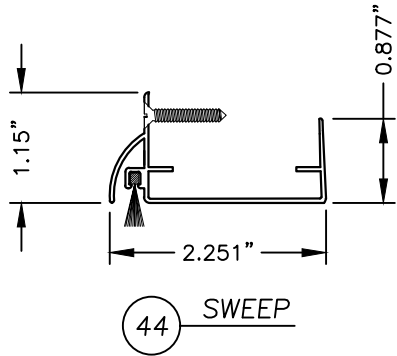
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PART OR ASSEMBLY:		COMPONENTS	
DOCUMENTS PREPARED BY:		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DATE:		11/10/22	
SCALE:		N.T.S.	
DWG. BY:		LFS	
CHK. BY:		RW	
DRAWING NO.:		FL-41788.14	
SHEET		9 OF 10	

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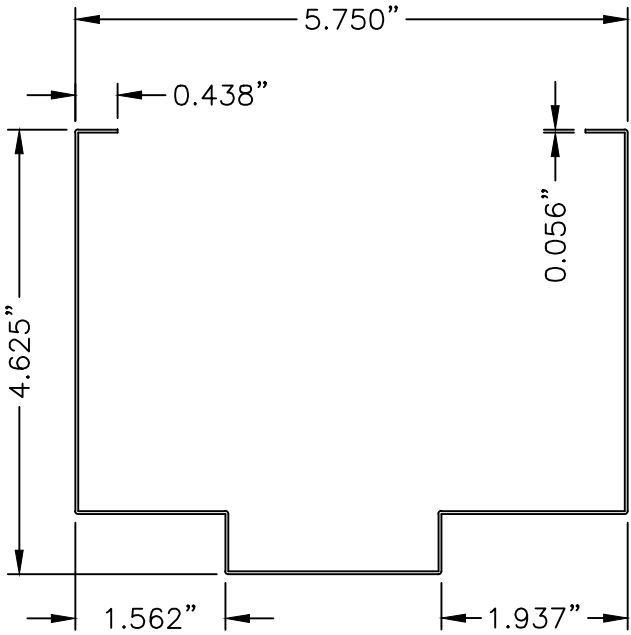
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
C	3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	DESIGN HARDWARE D2-SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
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 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
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
31	LITE FRAME	STEEL
33	#6 X 2" PFH SCREW	STEEL
34	TREMCO SPECTREM II GLAZING COMPOUND	SILICONE
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



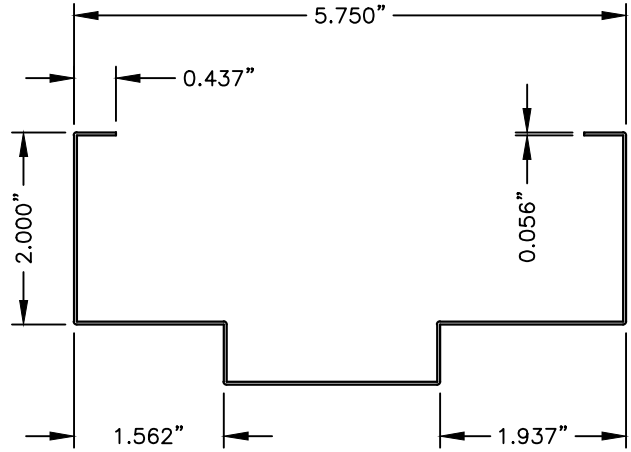
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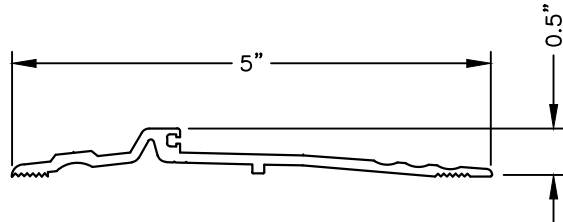
44 SWEEP



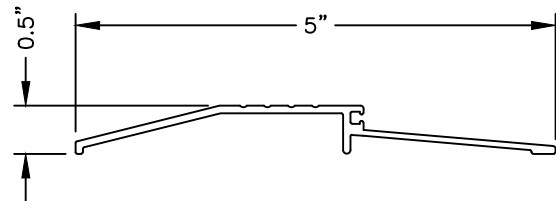
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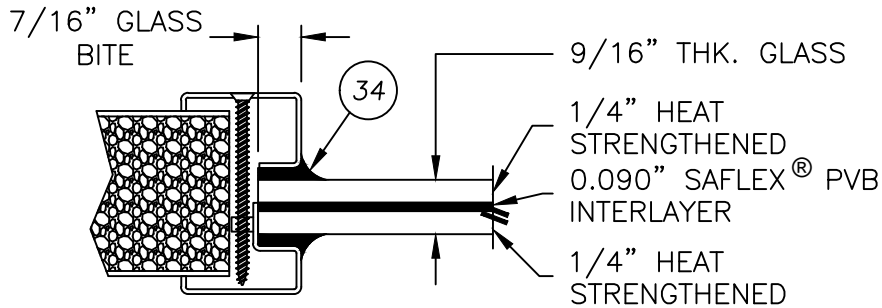
25 FRAME



40 THRESHOLD



41 THRESHOLD



G1 GLAZING DETAIL
9/16" MONOLITHIC GLASS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

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

PART OR ASSEMBLY:

BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-41788.14

SHEET 10 OF 10

REVISIONS

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

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