

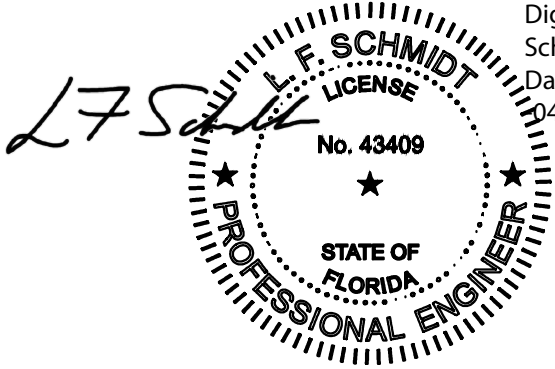


"D" SERIES
COMMERCIAL STEEL DOOR
w/ TRANSOM
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 Section 1609.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. The "D" door achieves a Class I stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

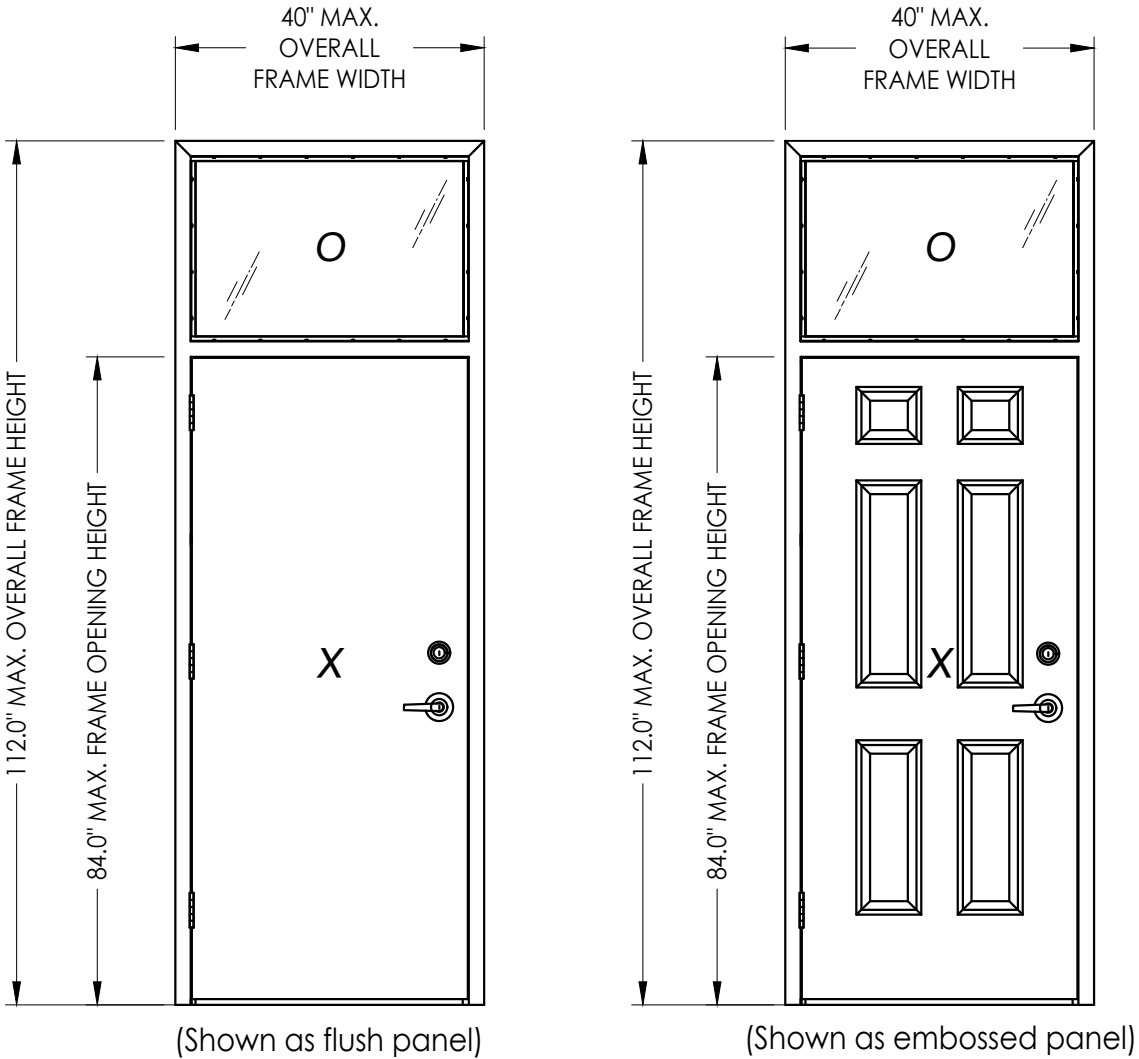
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel sections 161 lock prep
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical cross sections
6	Anchoring details
7	Glazing detail & components
8	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2026.07.05 11:20:48
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



SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	40.0" x 112.0"	34.75" x 22.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	40.0" x 112.0"	34.75" x 22.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0
OUTSWING	40.0" x 112.0"	34.75" x 22.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	40.0" x 112.0"	34.75" x 22.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0

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

PREMIER PRODUCTS, INC.
"D" STEEL DOOR

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

27/02/26
UPDATE TO 9TH ED. (2026) FBC

18/21/23
UPDATE TO 8TH ED. (2023) FBC

NO. DATE

REVISIONS

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

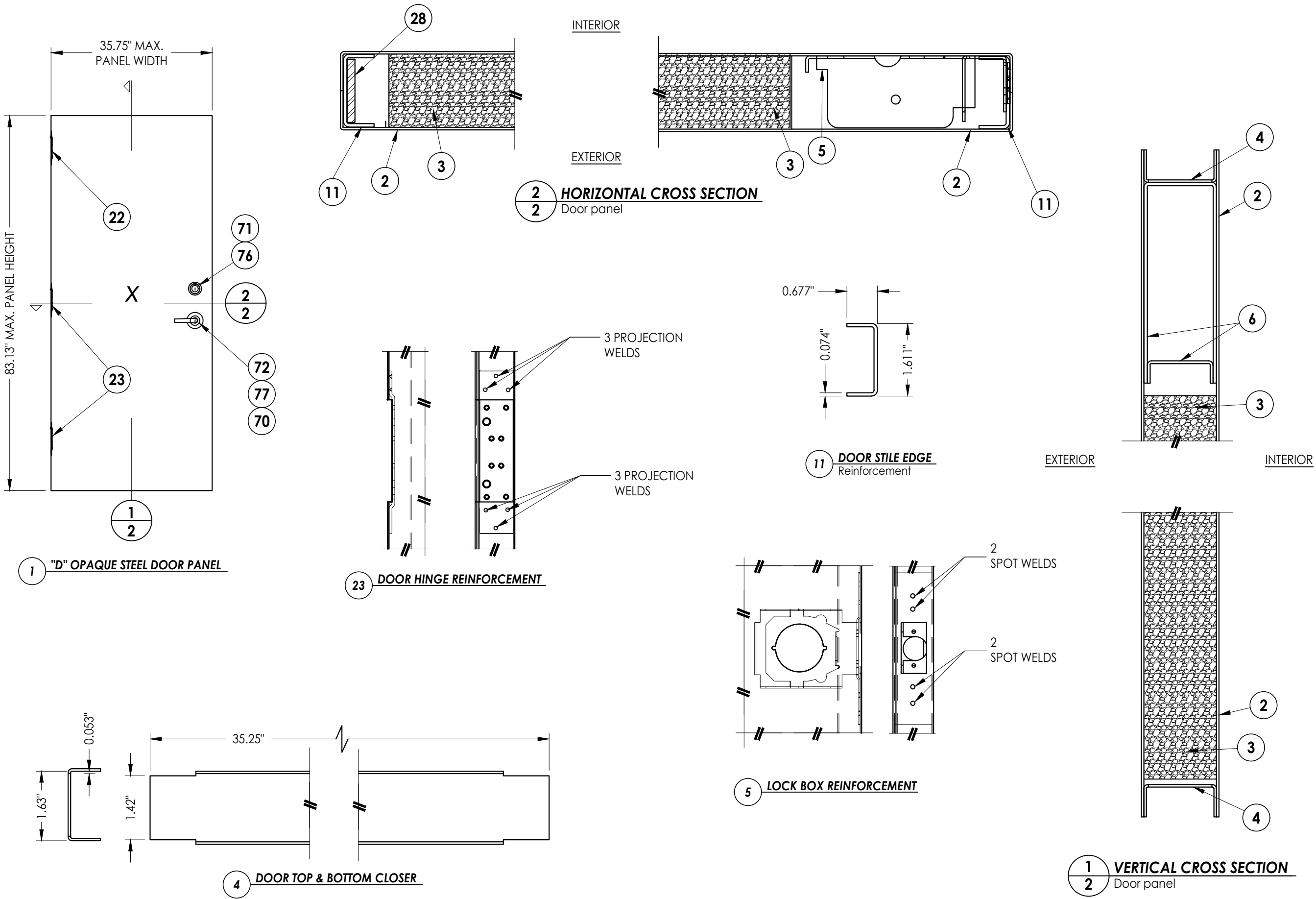
DRAWING NO.: FL-41788.5

SHEET 1 OF 8

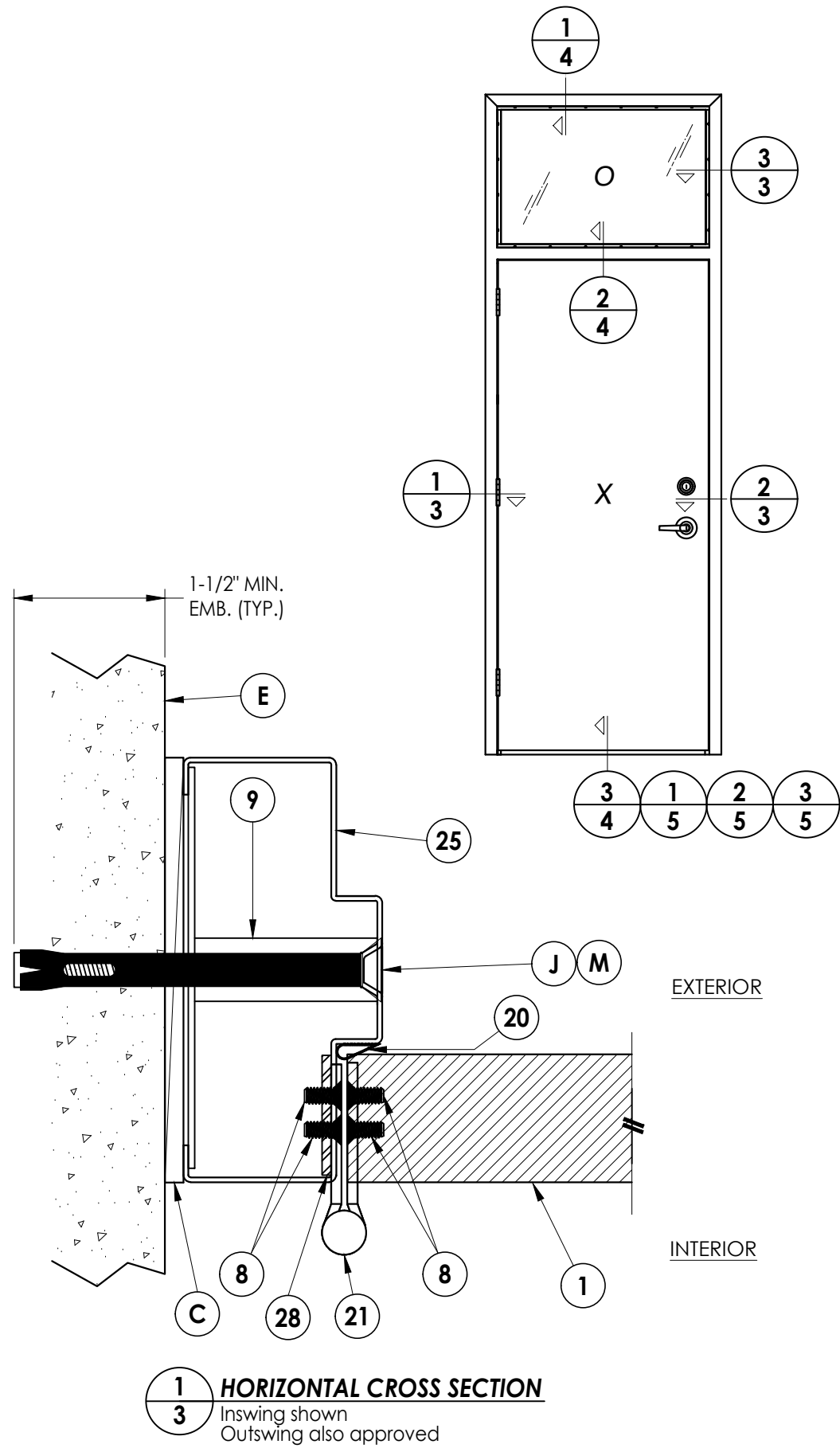
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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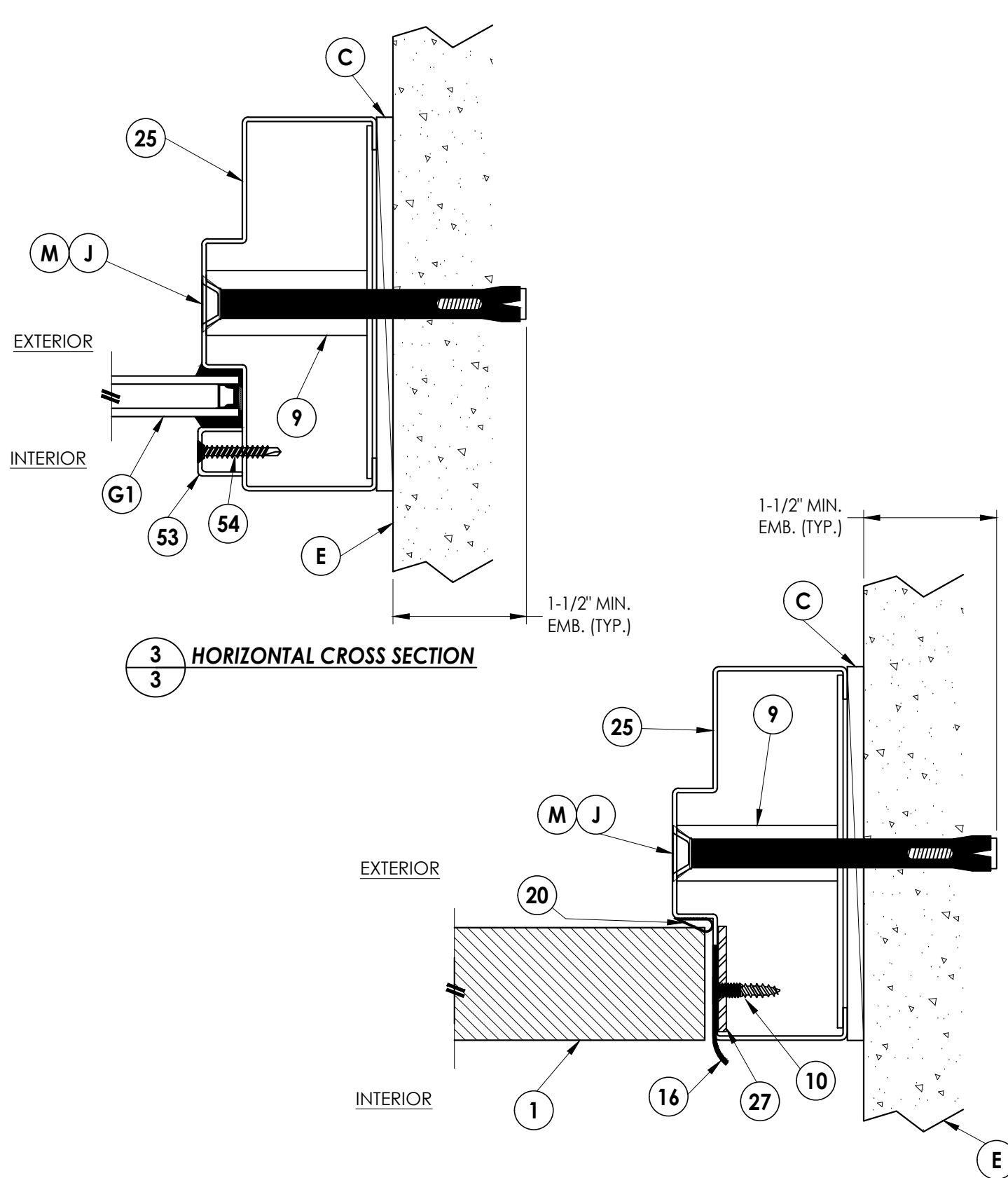


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL SECTIONS 161 LOCK PREP					
				2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
				1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
				NO	DATE		BY
				REVISIONS			
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.5							
SHEET 2 OF 8							



1 **HORIZONTAL CROSS SECTION**

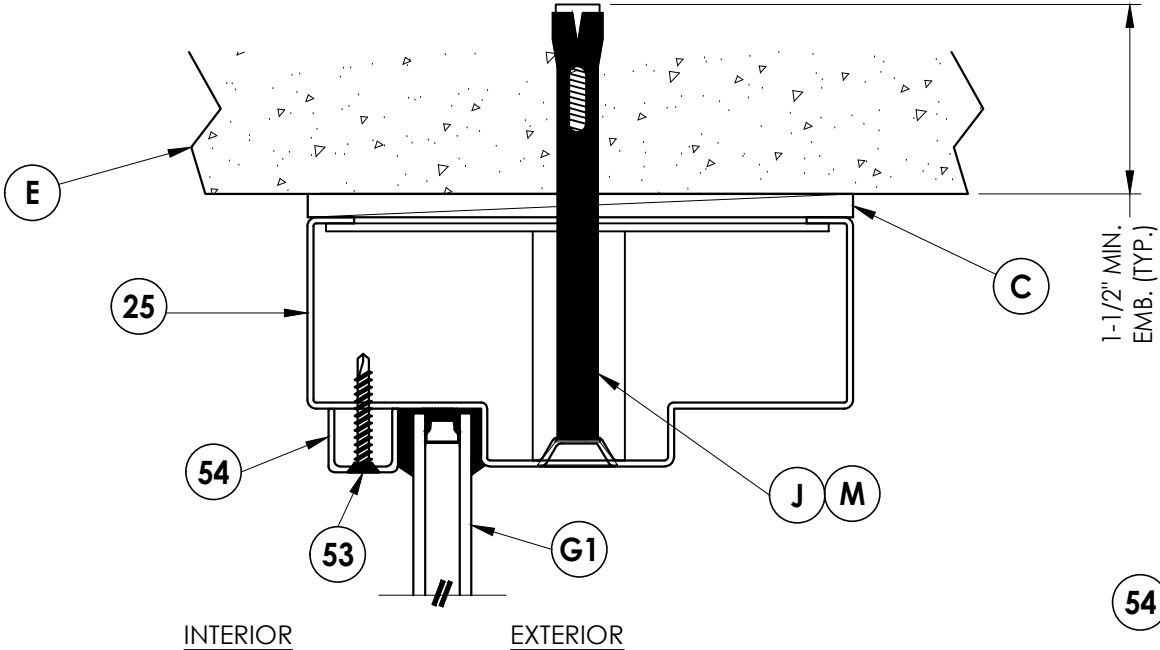
3 Inswing shown
Outswing also approved



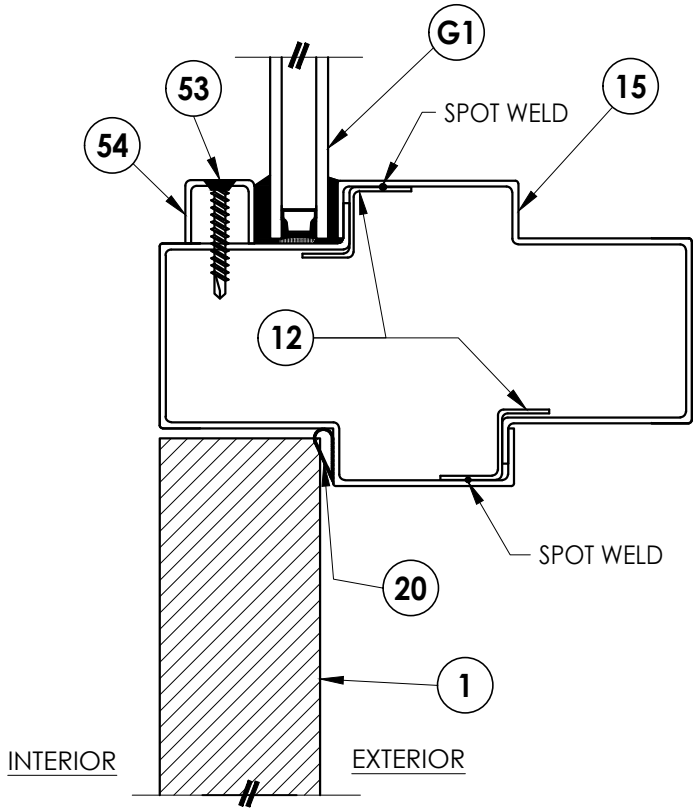
2 HORIZONTAL CROSS SECTION
3 Inswing shown
 Outswing also approved

DATE: 11/10/22		SHEET 3 OF 8	
DRAWING NO.: FL-41788.5		CHK. BY: RW	
DWG. BY: LFS		SCALE: N.T.S.	
NO. DATE		REVISIONS	
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
			BY
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
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	

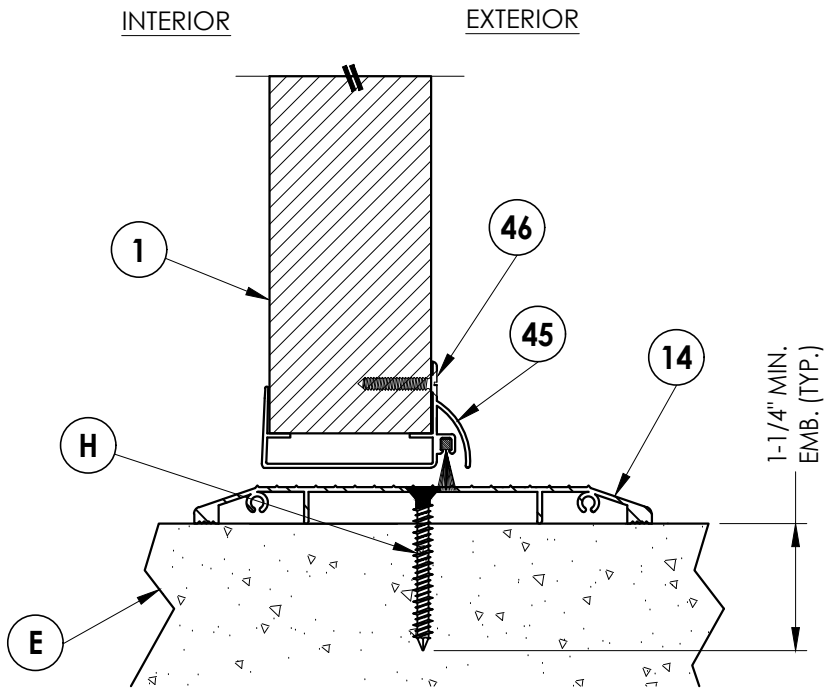
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1 VERTICAL CROSS SECTION
4 Inswing shown
Outswing also approved



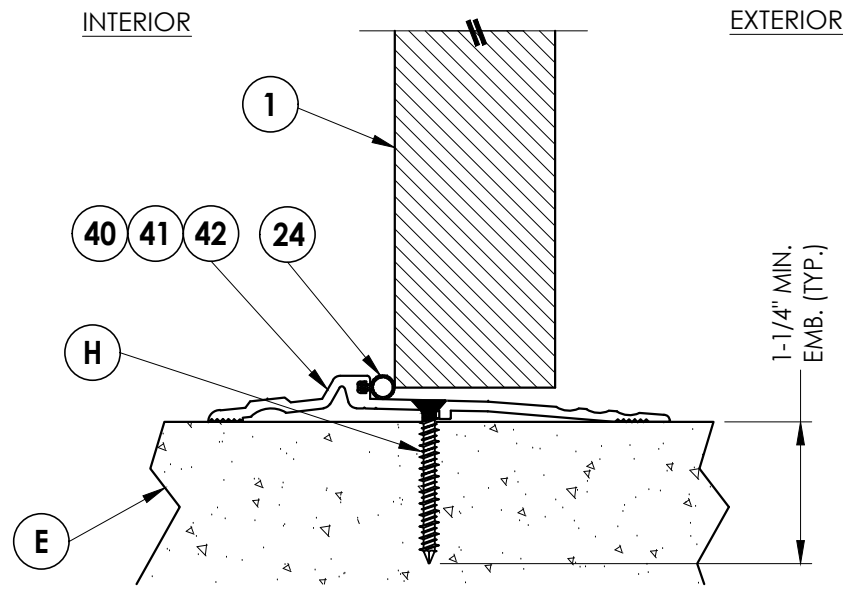
2 VERTICAL CROSS SECTION
4 Inswing shown
Outswing also approved



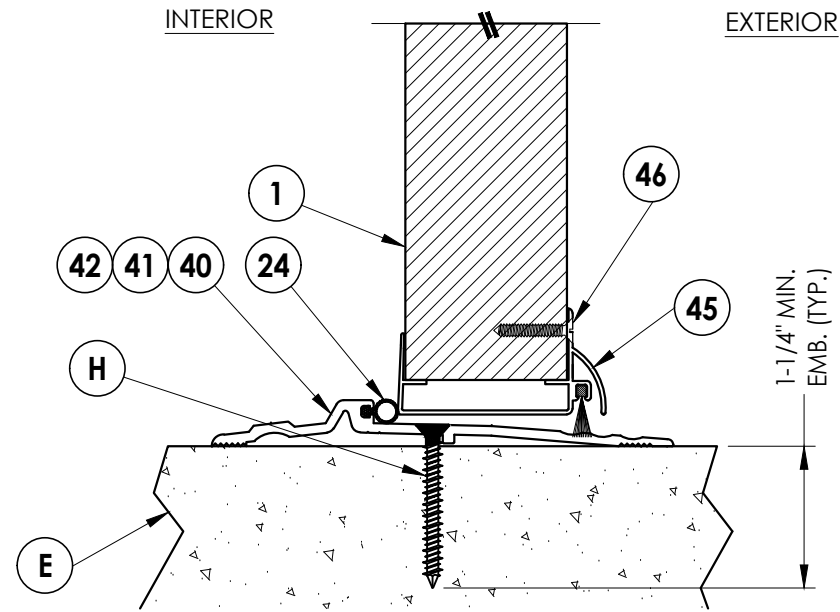
3 VERTICAL CROSS SECTION
4 Optional inswing shown

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS					
				LFS	FBC	UPDATE TO 9TH ED. (2026)	2
				LFS	FBC	UPDATE TO 8TH ED. (2023)	1
				BY	DATE	NO.	
REVISIONS							
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.5							
SHEET 4 OF 8							

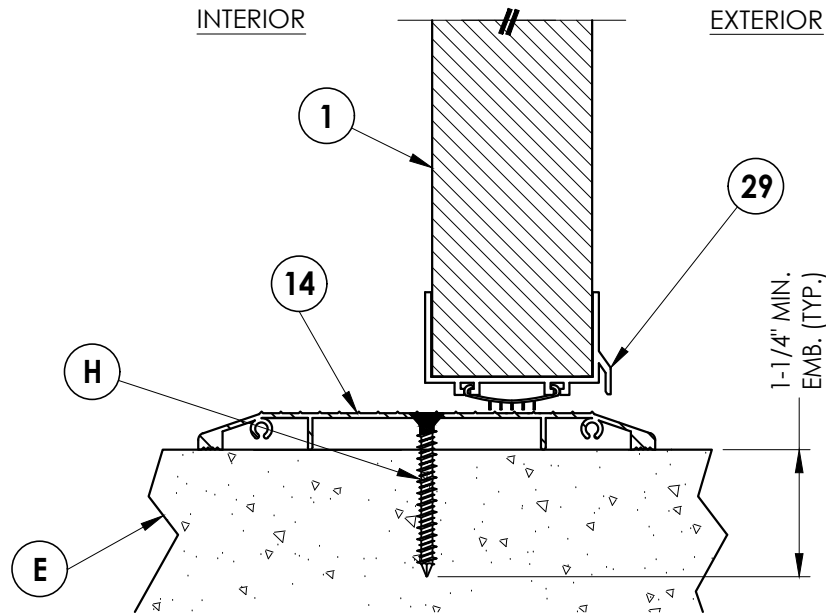
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1
5 **VERTICAL CROSS SECTION**
Optional outswing shown



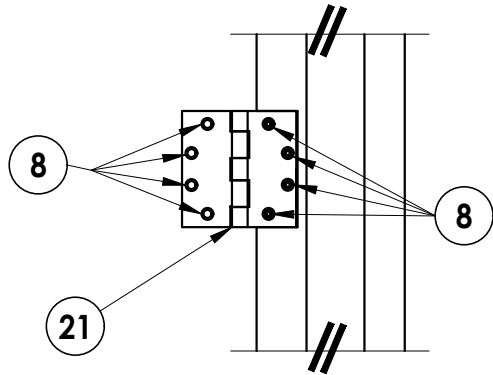
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5 **VERTICAL CROSS SECTION**
Optional Outswing shown



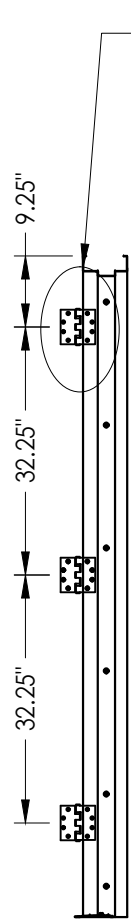
3
5 **VERTICAL CROSS SECTION**
Optional Outswing shown

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" STEEL DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS					
				LFS	FBC	LFS	
				UPDATE TO 9TH ED. (2026)	UPDATE TO 8TH ED. (2023)		
				NO.	DATE	BY	
				2	7/02/26	1	
				1	8/21/23		
DATE: 11/10/22				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.5							
SHEET 5 OF 8							

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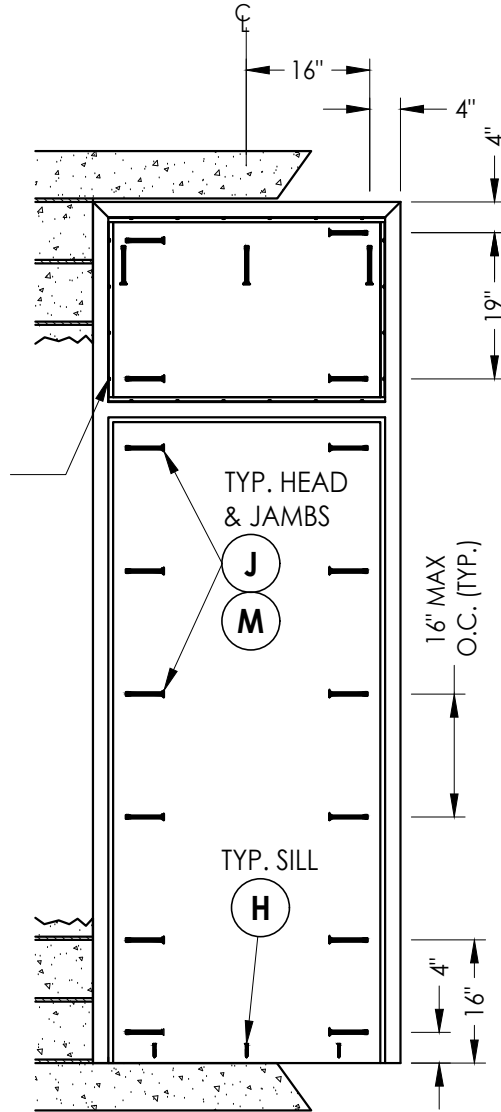


DETAIL 1

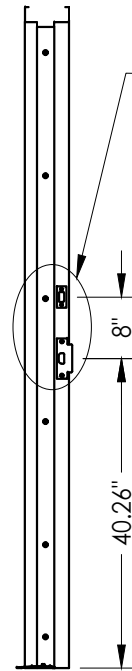


HINGE JAMB

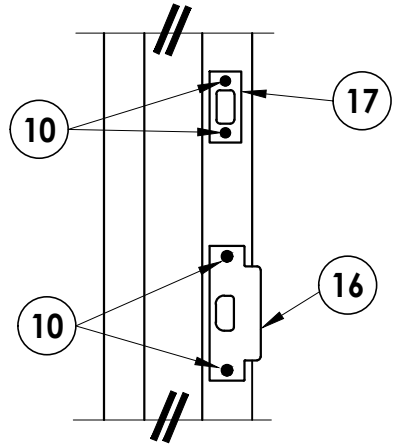
ITEM #44 GLASS STOP
RETAINING SCREW
3" FROM CORNER
6" MAX ON CENTER



FRAME ANCHORING



STRIKE JAMB



DETAIL 2

ANCHOR NOTES:

1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" 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.
3. Concrete Anchor Table:

ANCHOR TYPE	ANCHOR SIZE	MINIMUM EMBEDMENT	MINIMUM CLEARANCE TO MASONRY EDGE	MINIMUM CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
POWERS TAPPER	3/8"	1-1/2"	4"	3-3/4"

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:
PREMIER PRODUCTS, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
ANCHORING DETAILS

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

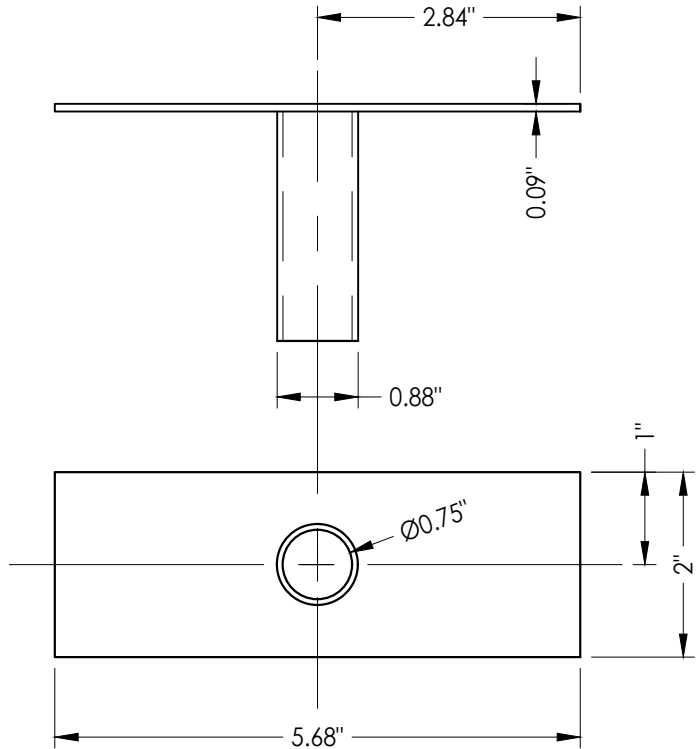
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DRAWING NO.:

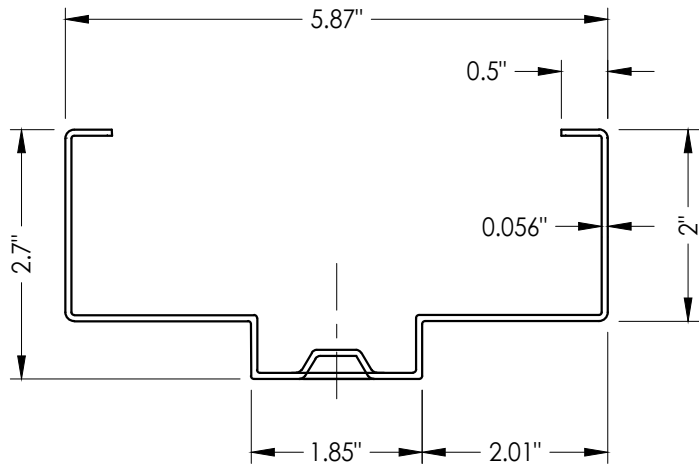
FL-41788.5

SHEET 6 OF 8

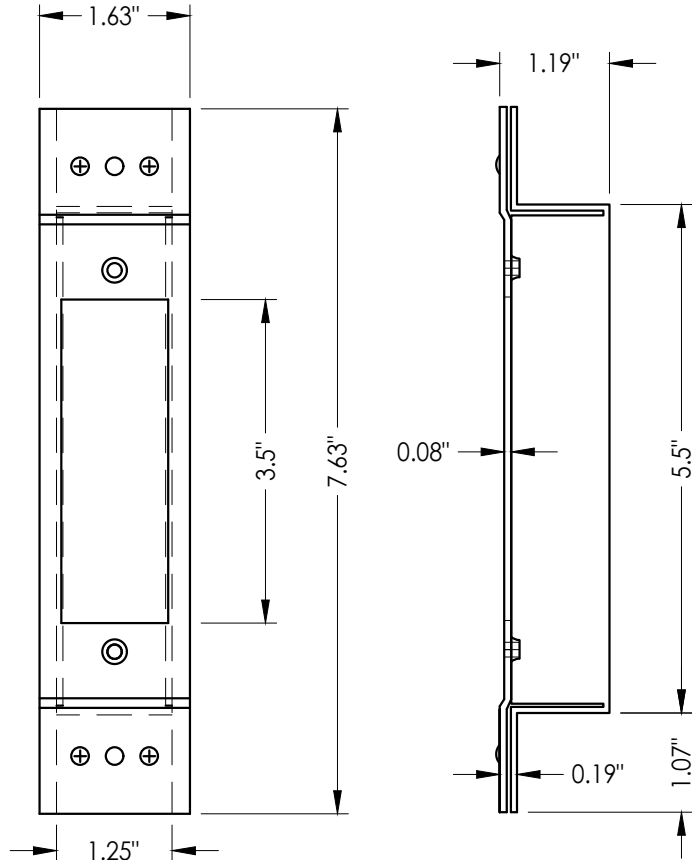
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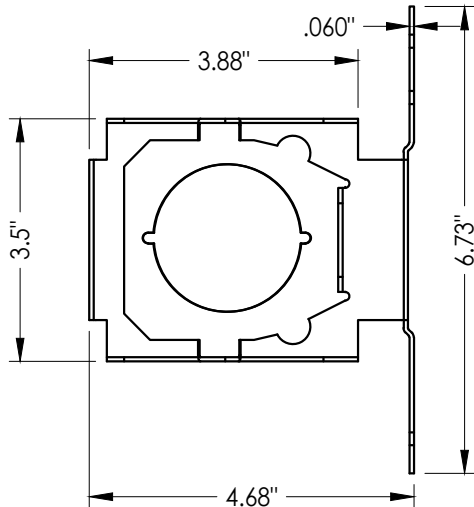
9 TUBE ANCHOR



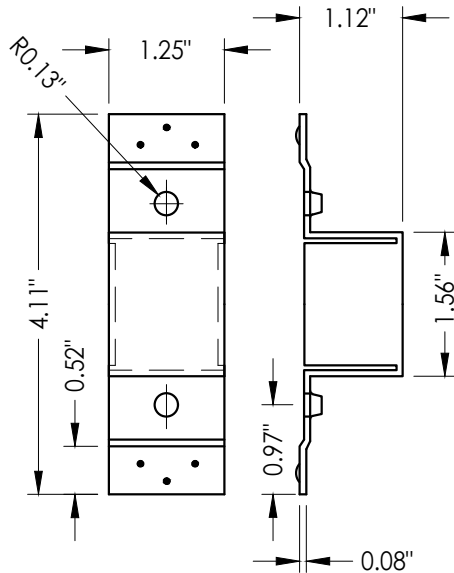
25 HOLLOW METAL FRAME



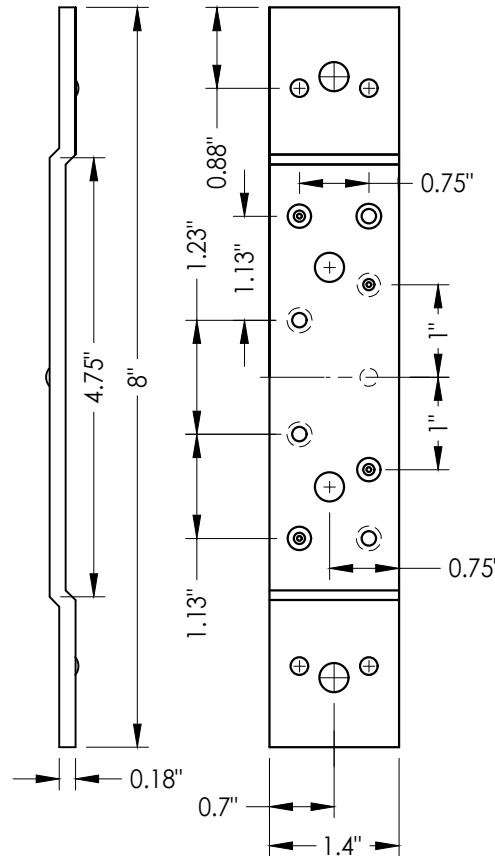
27 LATCH STRIKE REINFORCEMENT



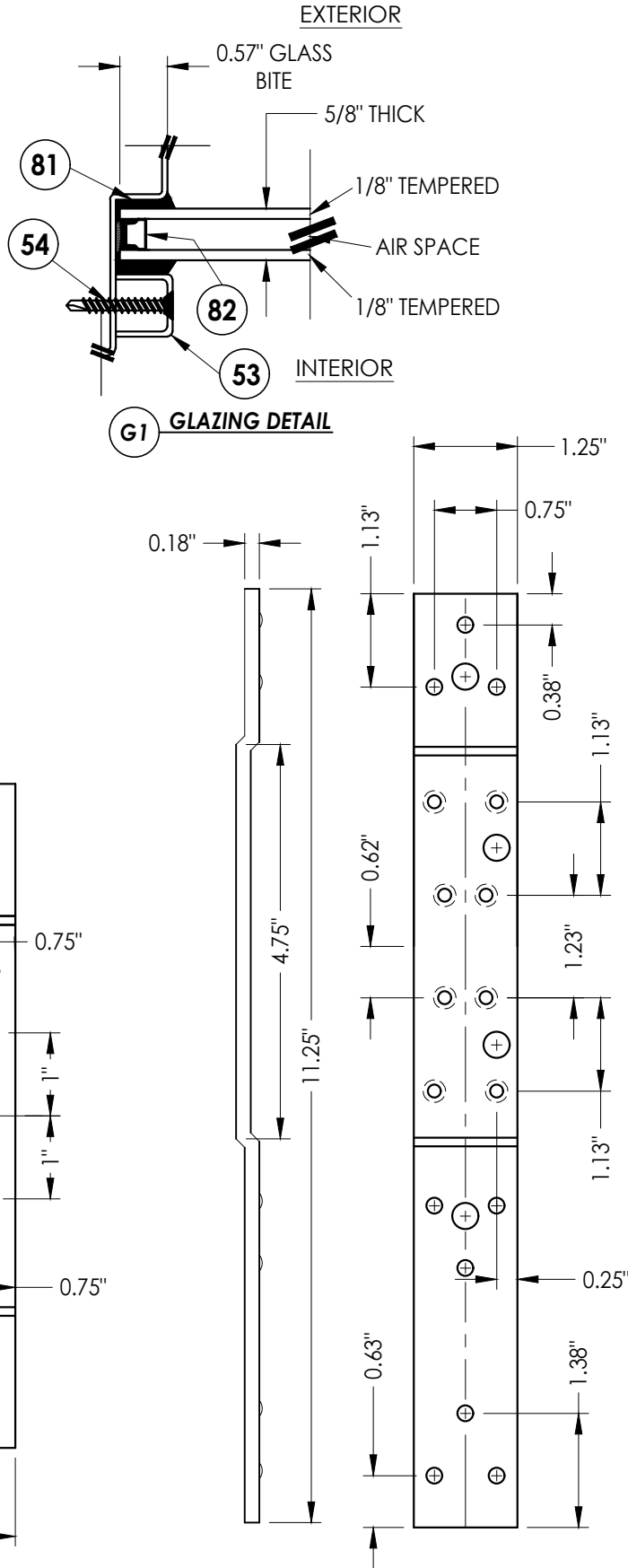
5 LOCK BOX REINFORCEMENT



19 DEADBOLT STRIKE REINFORCEMENT



23 STANDARD (SHORT) DOOR HINGE
Reinforcement middle and bottom hinge



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge

REVISIONS			
NO.	DATE	BY	
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-41788.5

SHEET 7 OF 8

PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR

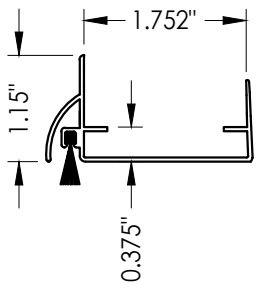
PART OR ASSEMBLY: GLAZING DETAIL & COMPONENTS

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

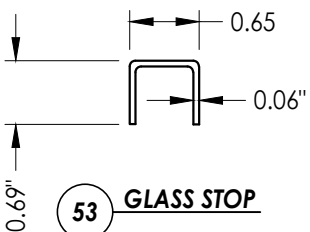
RW BUILDING CONSULTANTS, INC.

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

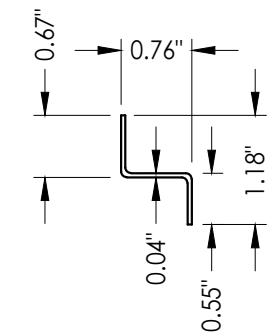
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
			23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	24	WEATHER STRIP (THRESHOLD)	NEOPRENE
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	27	LATCH STRIKE REINFORCEMENT	STEEL
1	"D" OPAQUE STEEL DOOR PANEL	-	28	FRAME HINGE REINFORCEMENT	STEEL
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	42	THRESHOLD PEMKO #2005 V	ALUMINUM
6	CLOSER REINFORCEMENT	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
8	#12-24 x 1/2" SELF TAPPER	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
9	TUBE ANCHOR	STEEL	53	U-CHANNEL GLASS STOP	STEEL
10	#12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW	STEEL	54	#8 X 1.25" PFH SMS	STEEL
11	DOOR STILE EDGE REINFORCEMENT	STEEL	70	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
12	MULLION Z BRACKET	STEEL	71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
14	COLUMBIA ADA THRESHOLD #6510	ALUMINUM	72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
15	MULLION MIN. (0.056" THK)	STEEL	76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
16	ANSI LATCH STRIKE	STEEL	77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
17	DEADBOLT STRIKE	STEEL	81	DOW 995 STRUCTURAL SILICONE	SILICONE
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	82	GLASS SPACER	ALUM
20	WEATHER-STRIP	NEOPRENE			



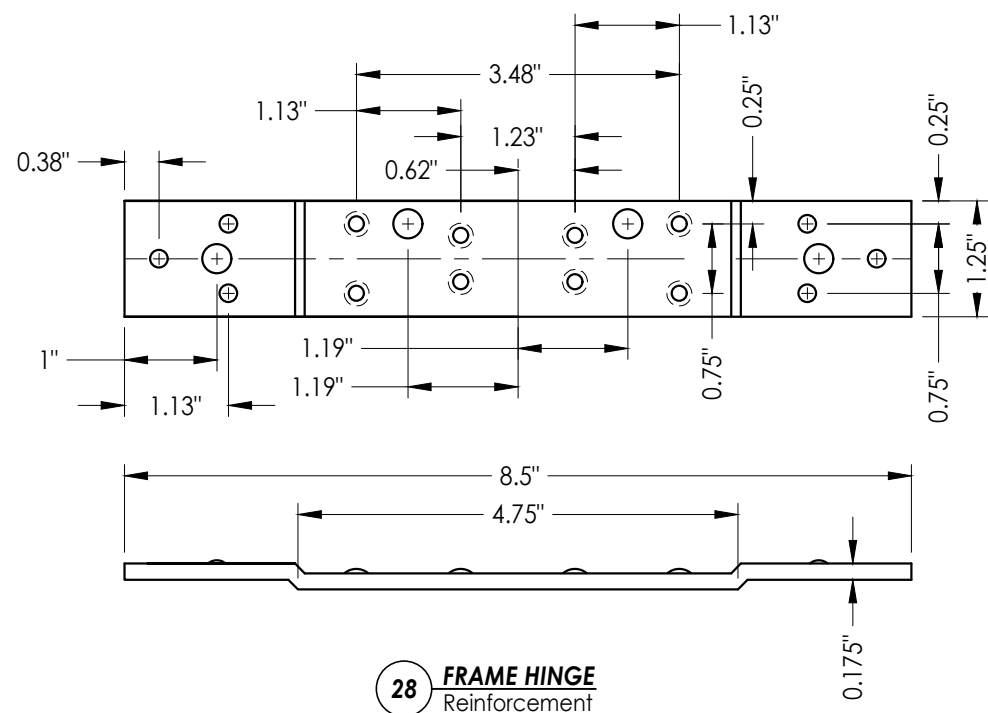
45 DOOR SWEEP



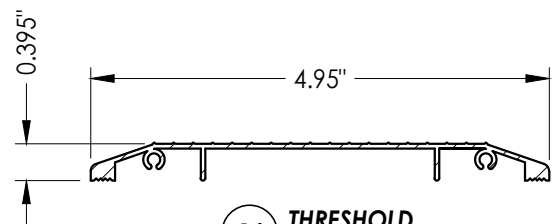
53 GLASS STOP



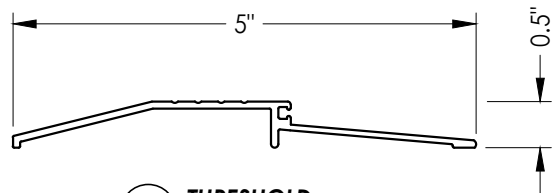
12 MULLION Z BRACKET



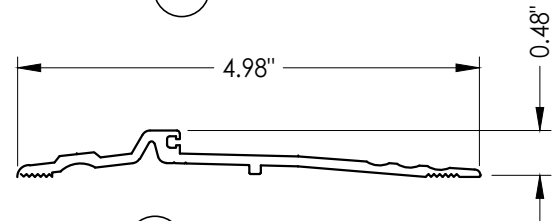
28 **FRAME HINGE**
Reinforcement



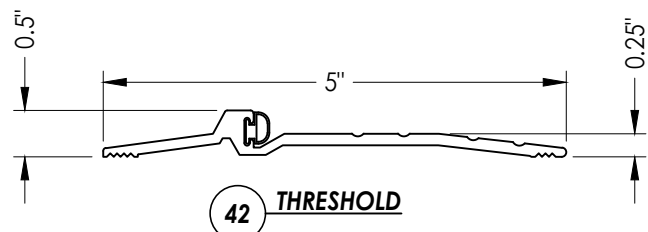
14 THRESHOLD



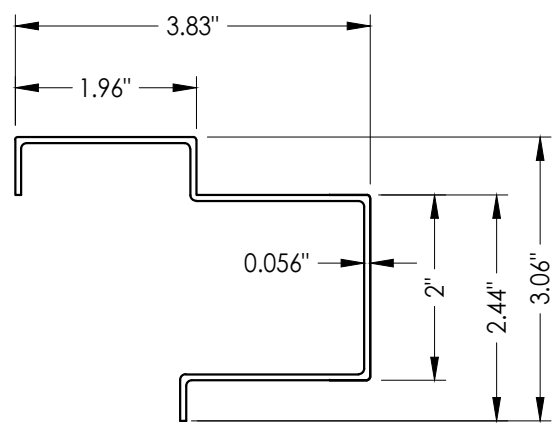
41 THRESHOLD



40 THRESHOLD



42 THRESHOLD



15 **MULLION**

[illegible]