



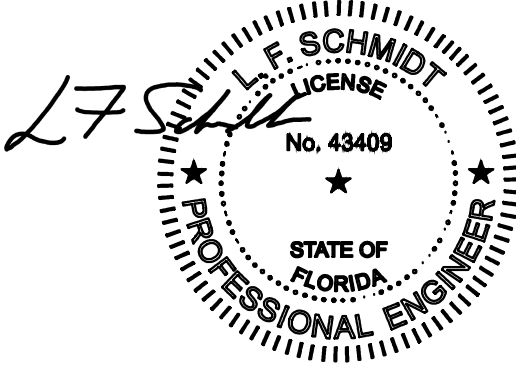
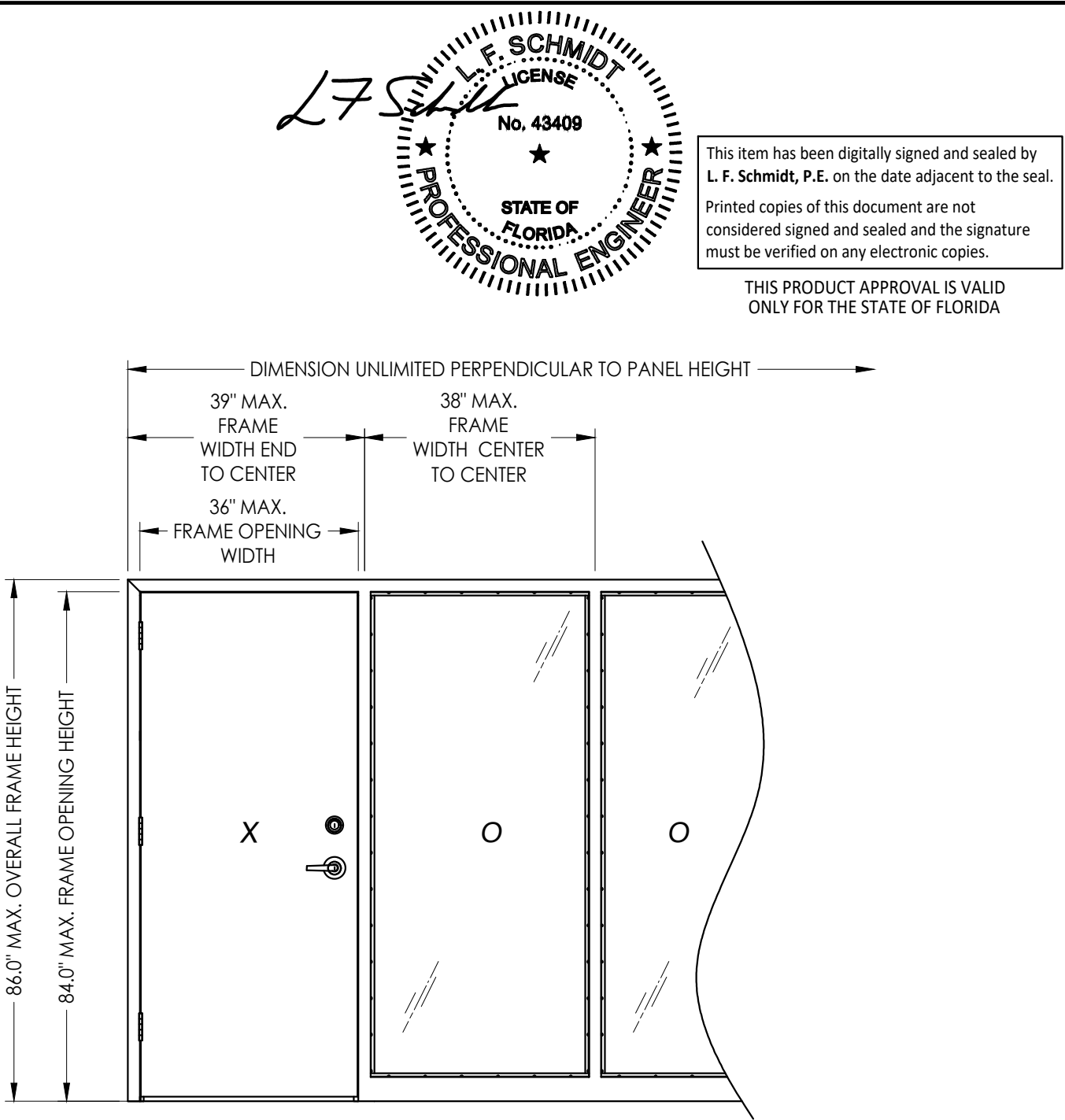
"D" SERIES
COMMERCIAL STEEL DOOR
w/ SIDELITE
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

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 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).

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7	Anchoring details
8	Glazing detail & components
9	Bill of materials & components

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	39.0" x 86.0"	34.75" x 78.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	39.0" x 86.0"	34.75" x 78.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0
OUTSWING	39.0" x 86.0"	34.75" x 78.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	39.0" x 86.0"	34.75" x 78.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0



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

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

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

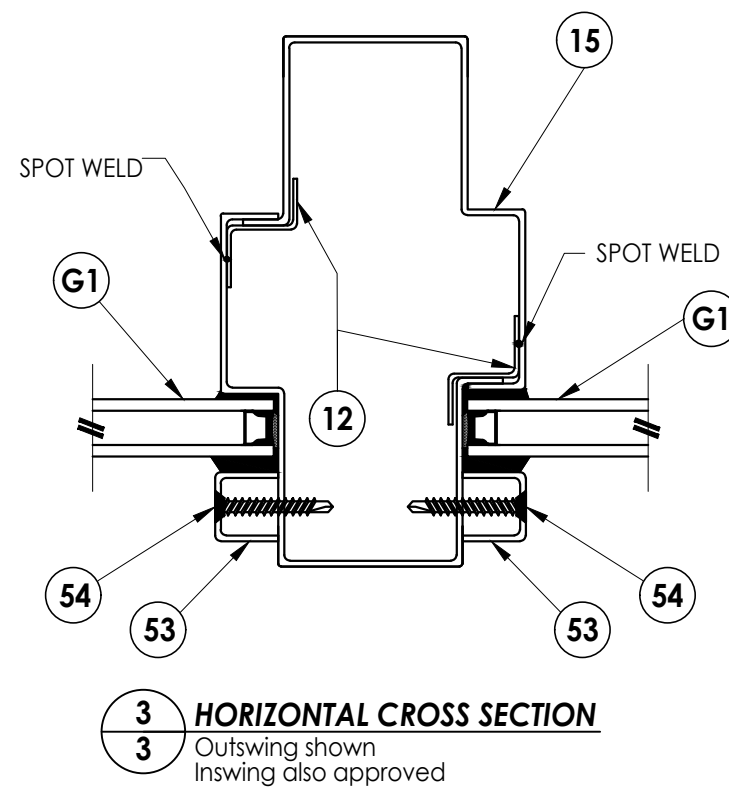
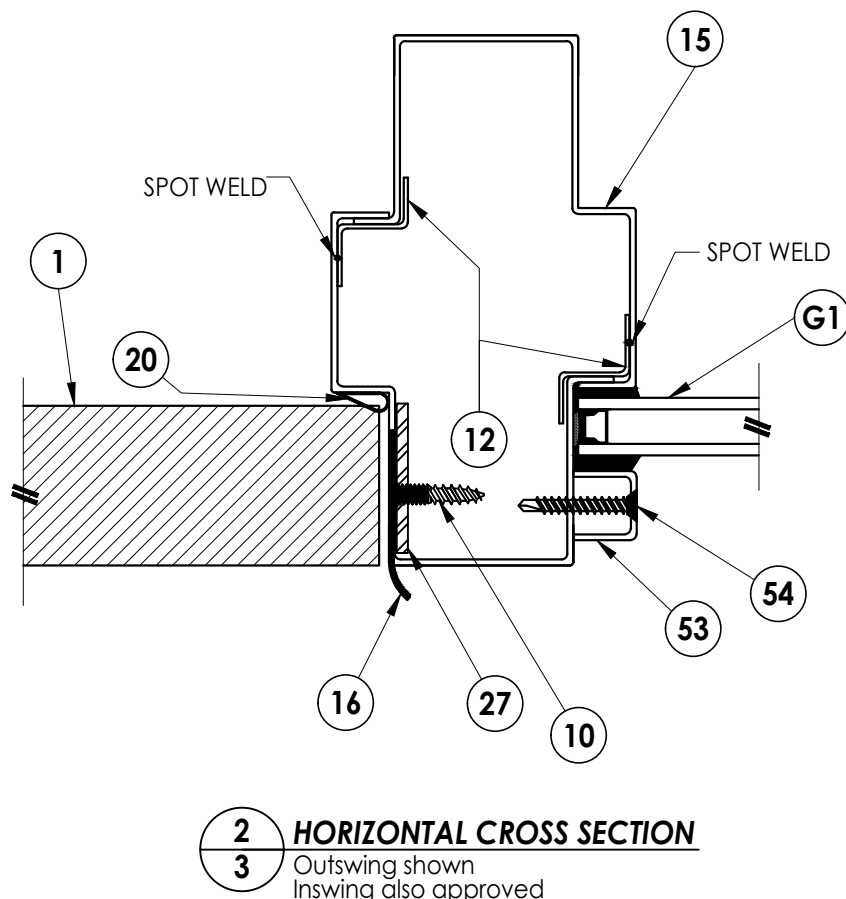
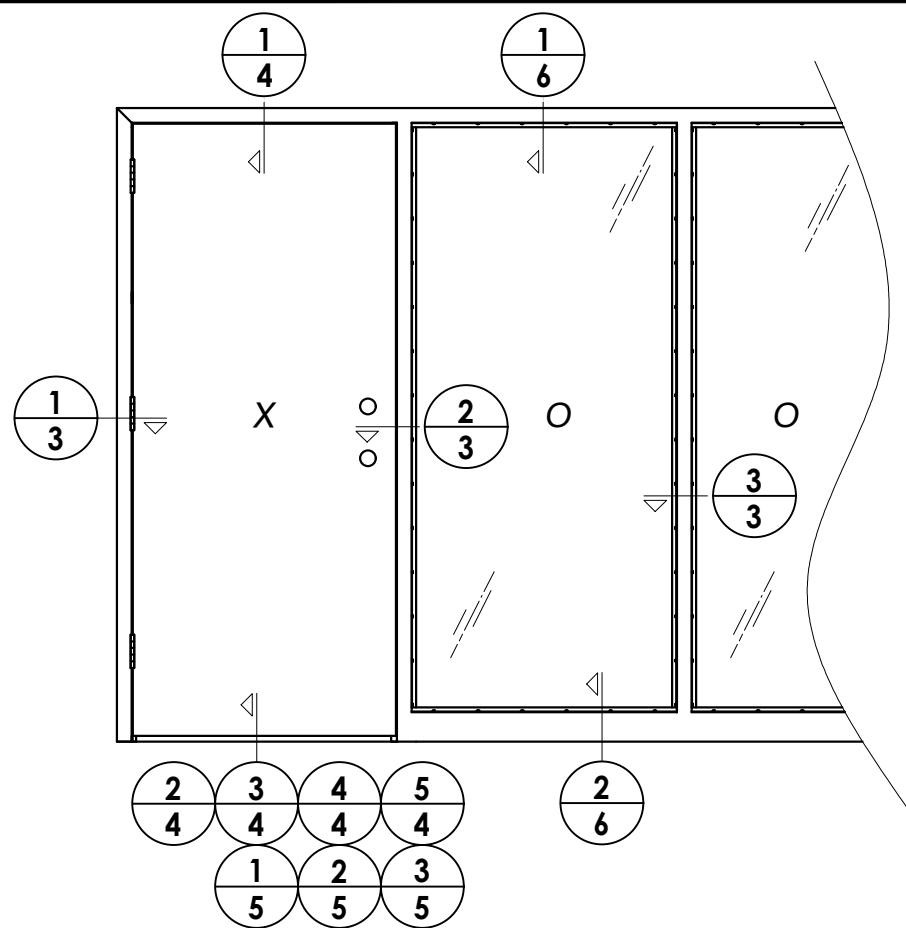
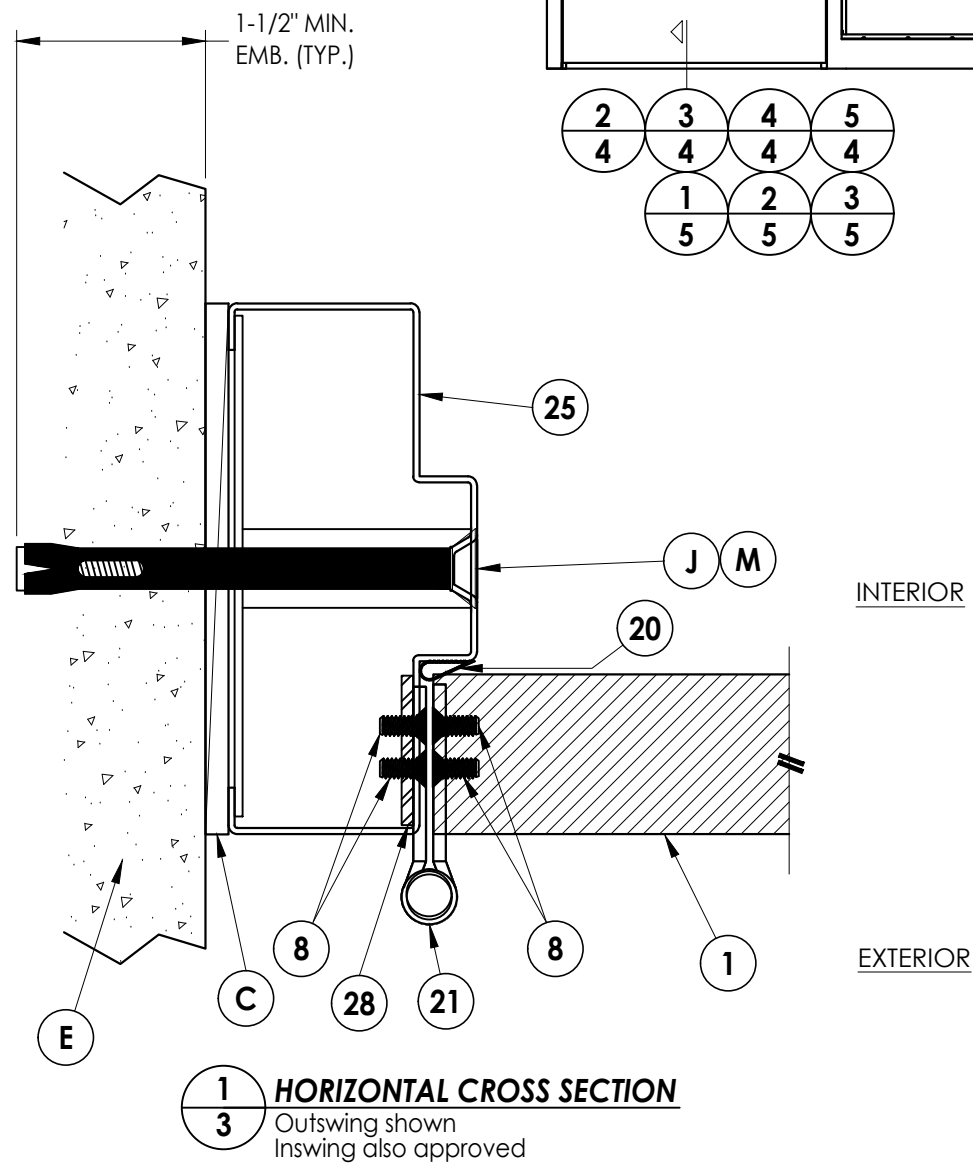
DRAWING NO.: FL-41788.6

SHEET 1 OF 9

Building Consultants, Inc.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

REVISIONS

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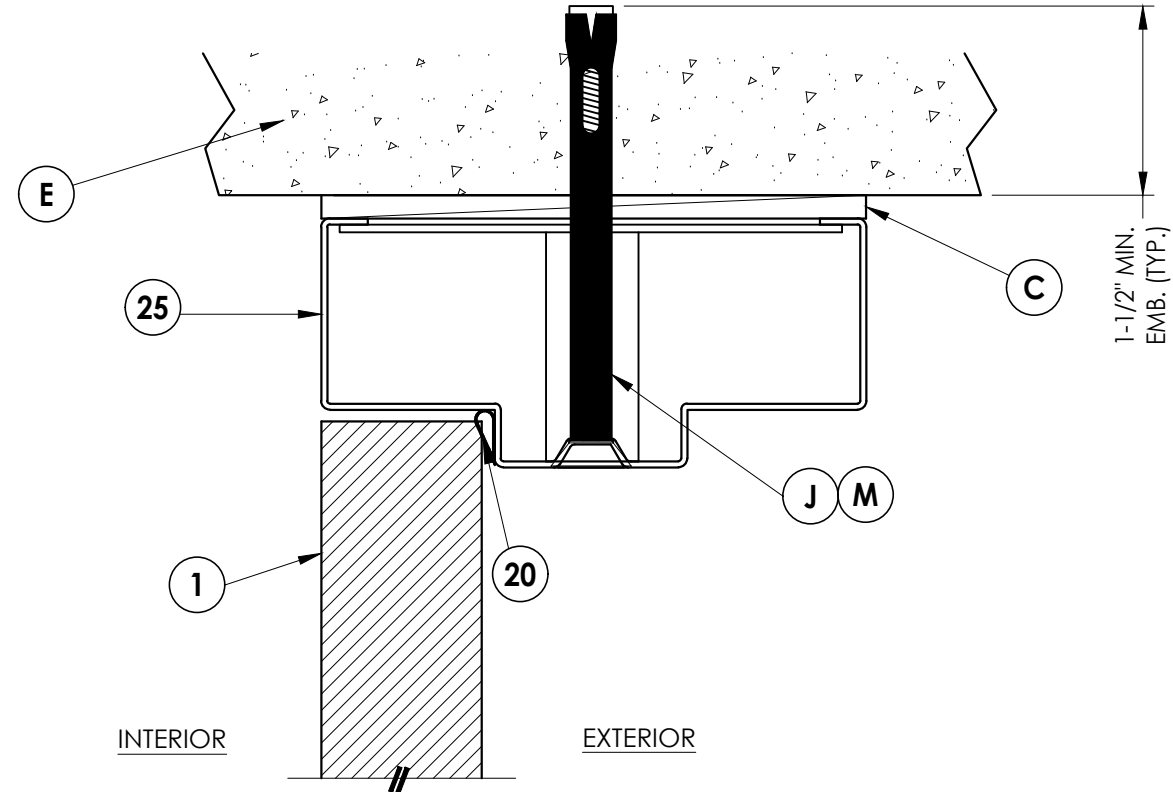
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"D" STEEL DOOR

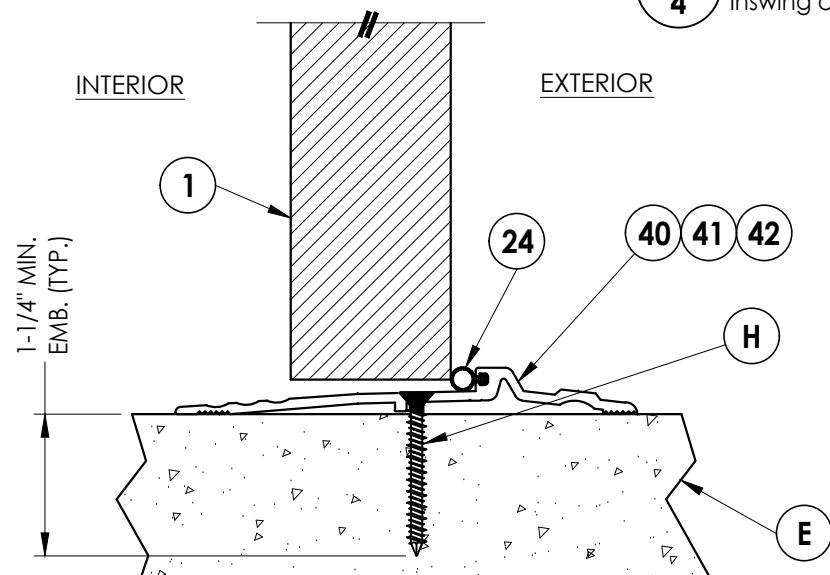
PART OR ASSEMBLY:

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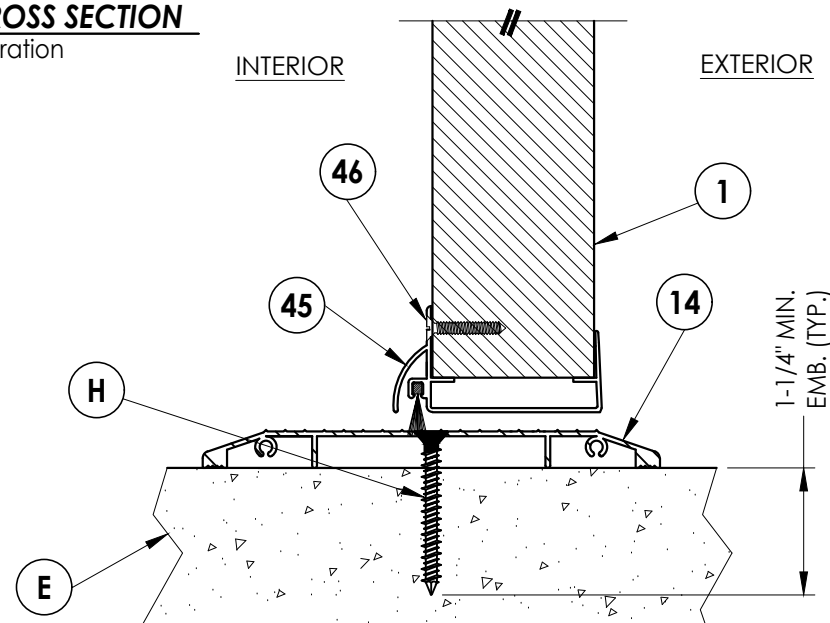
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FBPE Registry No. 9813



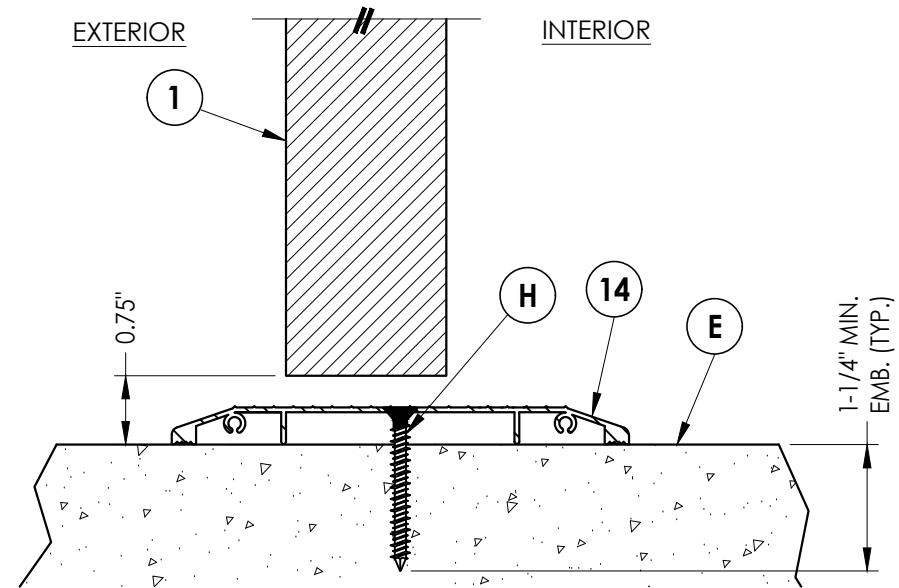
1 **VERTICAL CROSS SECTION**
4 Inswing configuration



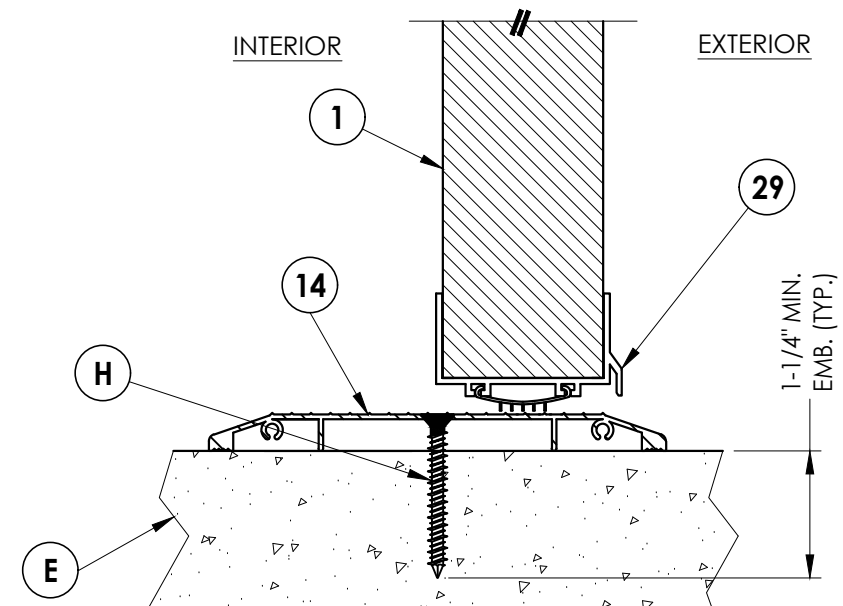
2 **VERTICAL CROSS SECTION**
4 Inswing configuration



3 VERTICAL CROSS SECTION
4 Inswing configuration



5 4 VERTICAL CROSS SECTION



4 **VERTICAL CROSS SECTION**
4 Inswing configuration

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

DATE: 11/10/22

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CHK. BY: *RW*

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SHEET 4 OF 9

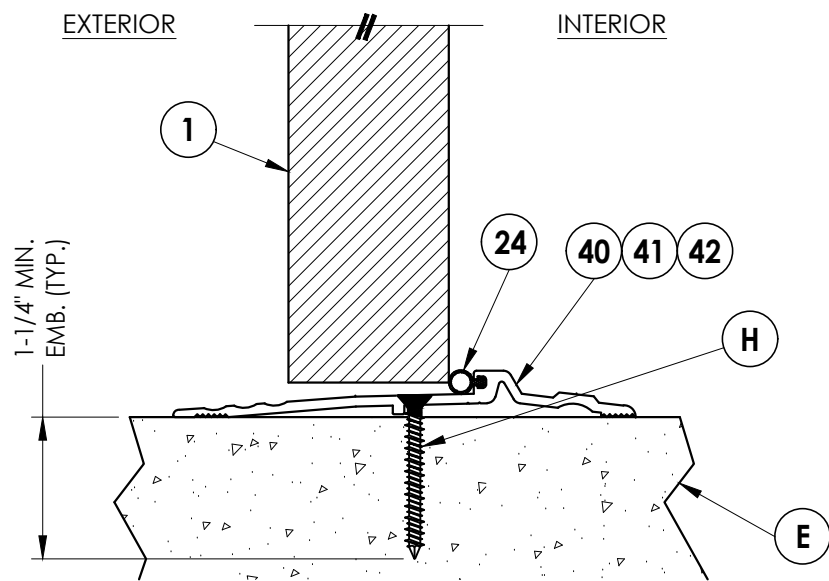
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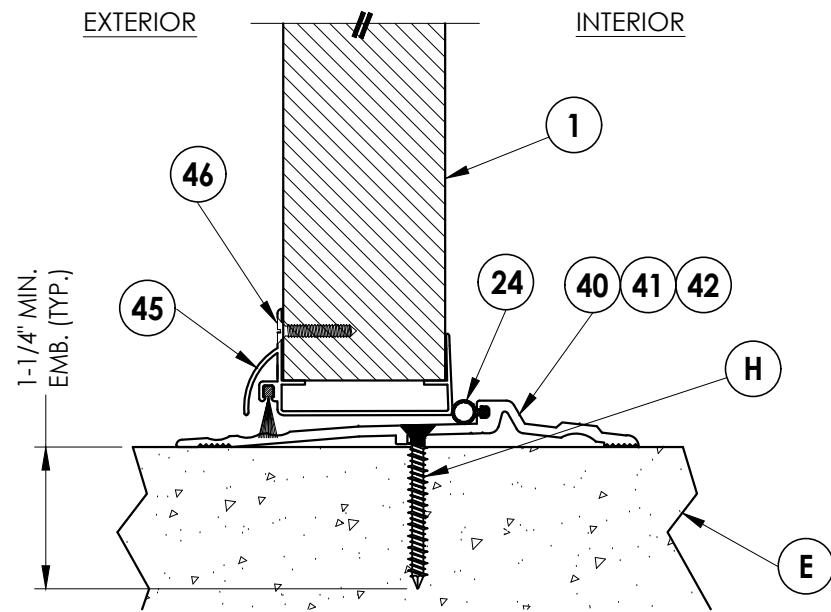
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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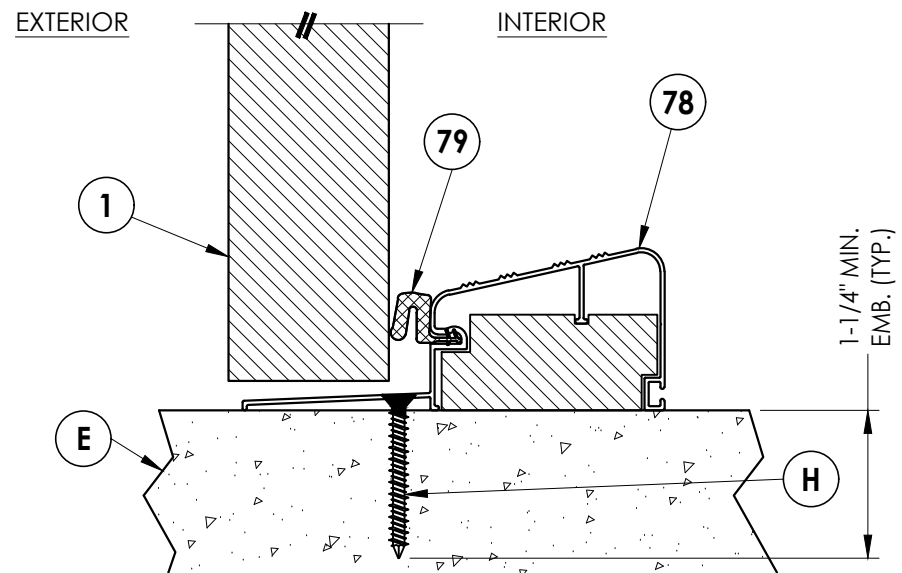
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2 **VERTICAL CROSS SECTION**
5 Outswing shown



1 **VERTICAL CROSS SECTION**
5 Outswing shown



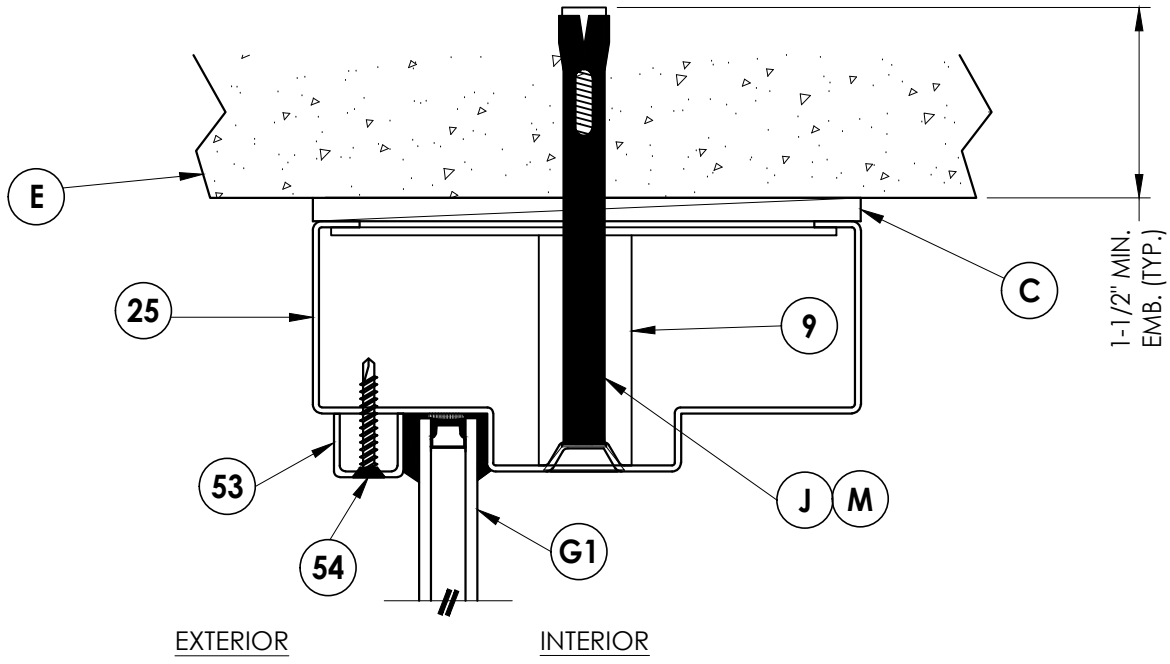
3 VERTICAL CROSS SECTION
5 Outswing shown

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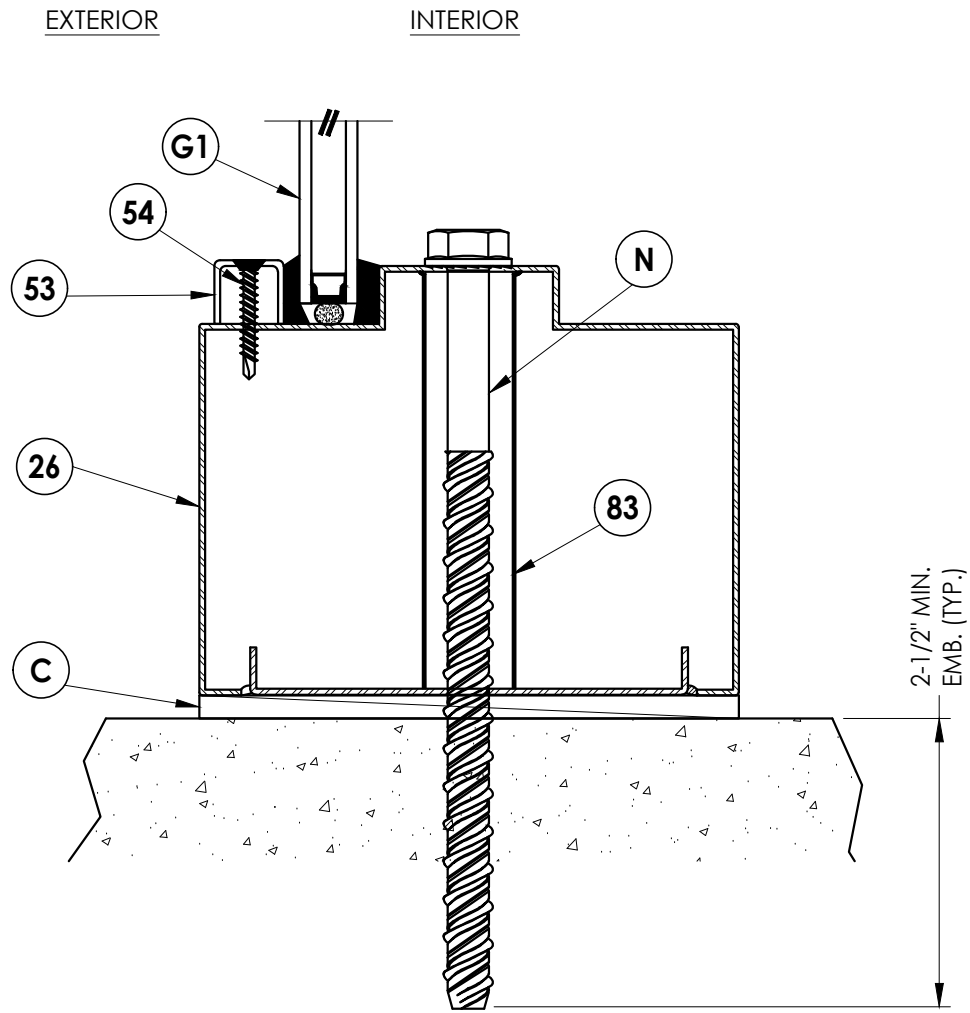
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Lyndon F. Schmidt
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PRODUCT: PREMIER PRODUCTS, INC.
"D" STEEL DOOR

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1
6 **VERTICAL CROSS SECTION**



2 VERTICAL CROSS SECTION
6

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DATE:	11/10/22
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CHK. BY:	RW
DRAWING NO.:	FL-41788.6
SHEET	6 OF 9

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

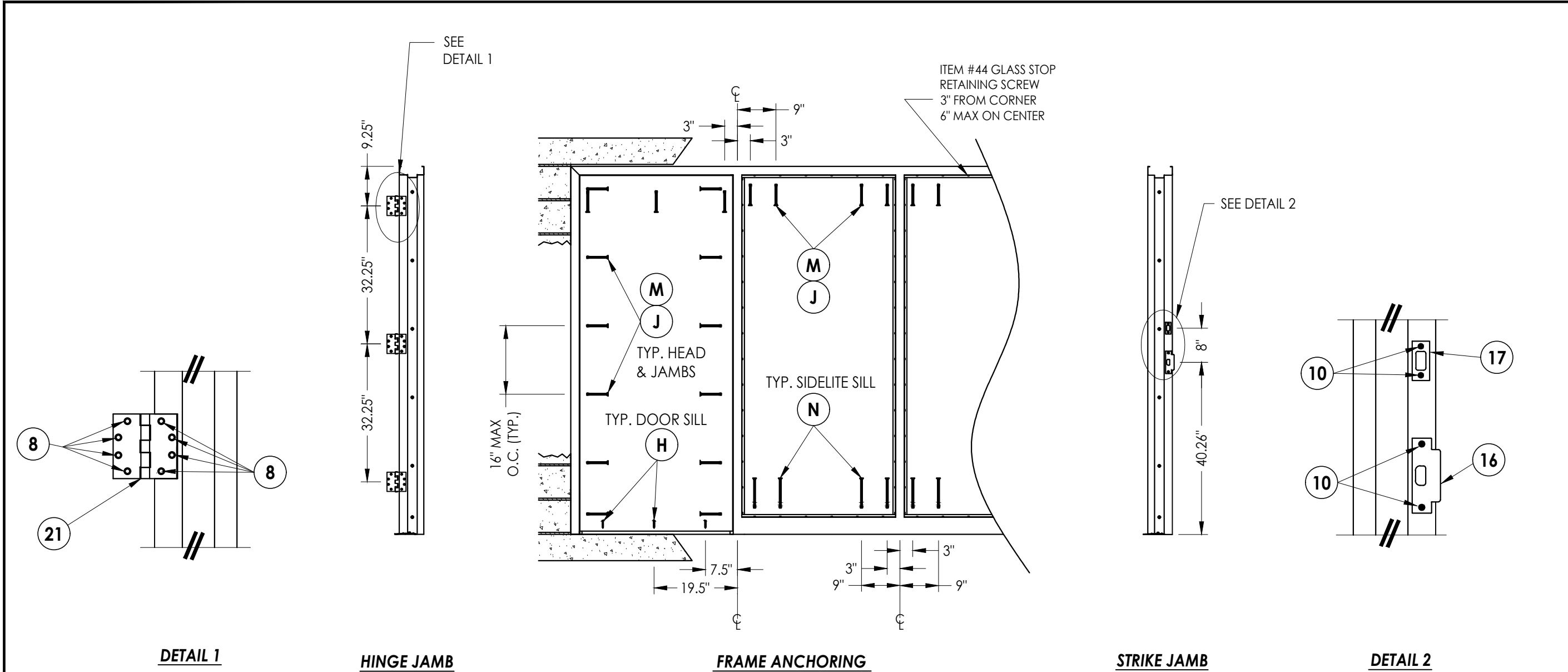
PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

Documents Prepared By:
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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"
SCREW-BOLT+™	1/2"	2-1/2"	6"	6"

Documents Prepared By:
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PREMIER PRODUCTS, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
ANCHORING DETAILS

REVISIONS

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

DATE: 11/10/22

SCALE: N.T.S.

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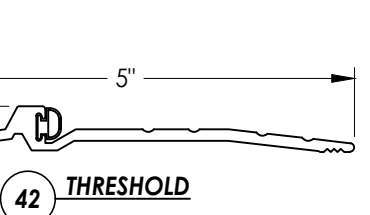
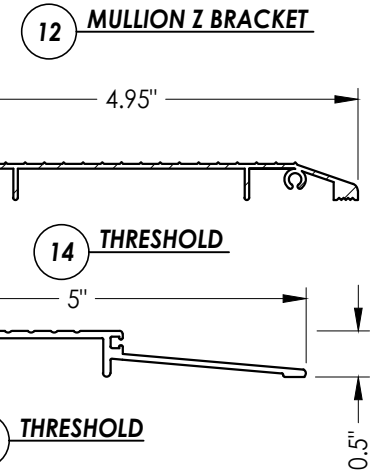
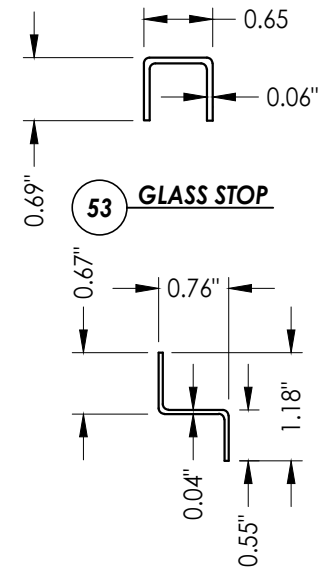
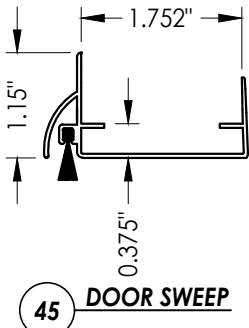
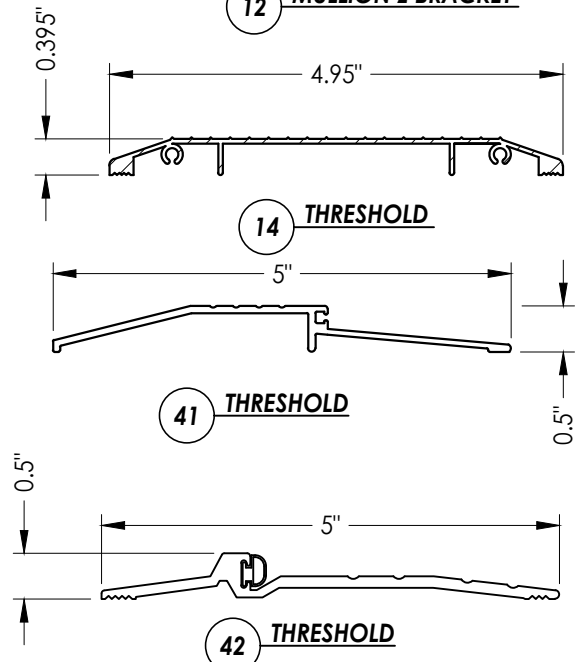
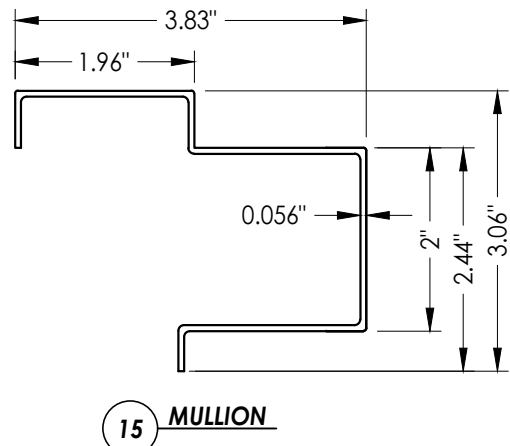
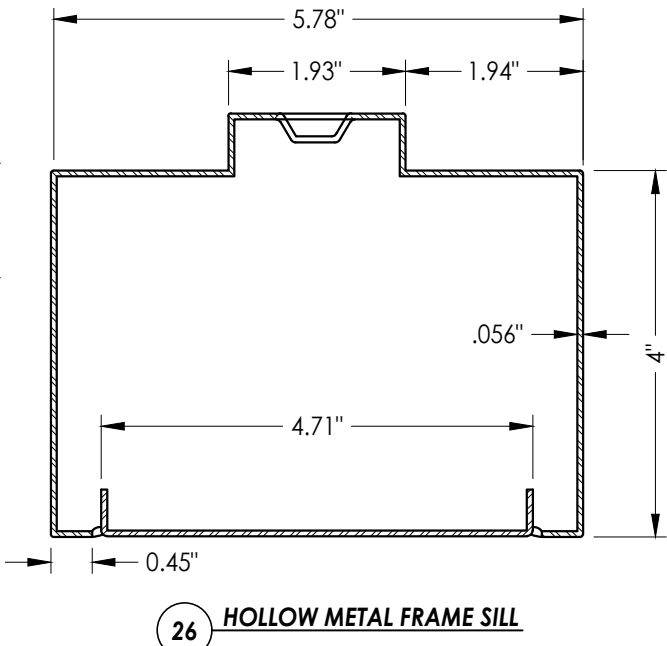
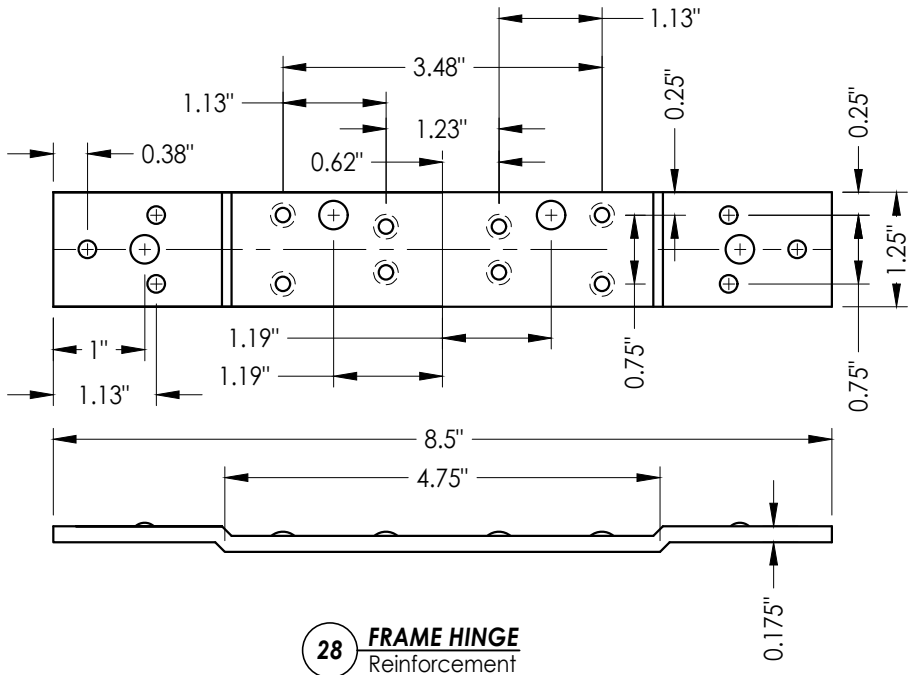
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SHEET 7 OF 9

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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	24	WEATHER STRIP (THRESHOLD)	NEOPRENE
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	26	FRAME SILL 5-3/4" X 4" MIN. (0.056" THK)	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	27	LATCH STRIKE REINFORCEMENT	STEEL
N	1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)	STEEL	28	FRAME HINGE REINFORCEMENT	STEEL
1	"D" OPAQUE STEEL DOOR PANEL	-	29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	42	THRESHOLD PEMKO #2005 V	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
6	CLOSER REINFORCEMENT	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL	53	U-CHANNEL GLASS STOP	STEEL
9	TUBE ANCHOR	STEEL	54	#8 X 1.25" PFH SMS	STEEL
10	#12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW	STEEL	70	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
11	DOOR STILE EDGE REINFORCEMENT	STEEL	71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
12	MULLION Z BRACKET	STEEL	72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
14	COLUMBIA ADA THRESHOLD #6510	ALUMINUM	76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
15	MULLION MIN. (0.056" THK)	STEEL	77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
16	ANSI LATCH STRIKE	STEEL	78	OUTSWING THRESHOLD QOSH BY DLP	ALUM/WOOD
17	DEADBOLT STRIKE	STEEL	79	WEATHER-STRIP	FOAM
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	81	DOW 995 STRUCTURAL SILICONE	SILICONE
20	WEATHER-STRIP	NEOPRENE	82	GLASS SPACER	ALUM
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL	83	SILL TUBE ANCHOR	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL			



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

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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

DATE: 11/10/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41788.6
SHEET 9 OF 9