

Z:\2023 FBC Drawings\Premier Products, Inc\FL-41788 R2\FL-41788.5-9.dwg

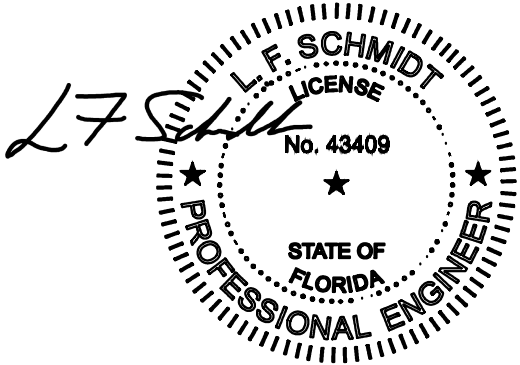


"D" SERIES
COMMERCIAL STEEL DOOR
w/ SIDELITE & TRANSOM
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

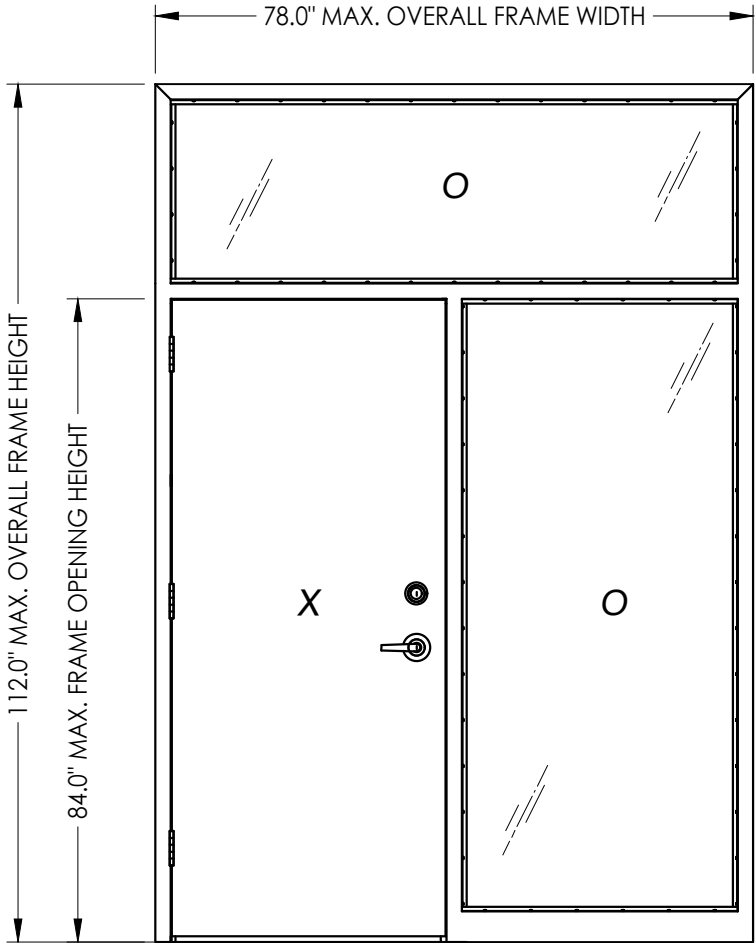
1.
- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.
- When used in areas requiring wind borne debris protection this product complies with FBC Section 1609.1.2 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 Section 1609.1.2.2.
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	Vertical cross sections
7	Anchoring details
8	Glazing detail & components
9	Bill of materials & components



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	78.0" x 112.0"	34.75" x 78.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	78.0" x 112.0"	34.75" x 78.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0
OUTSWING	78.0" x 112.0"	34.75" x 78.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	78.0" x 112.0"	34.75" x 78.75"	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

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-41788.9

SHEET 1 OF 9

1 8/21/23
NO. DATE

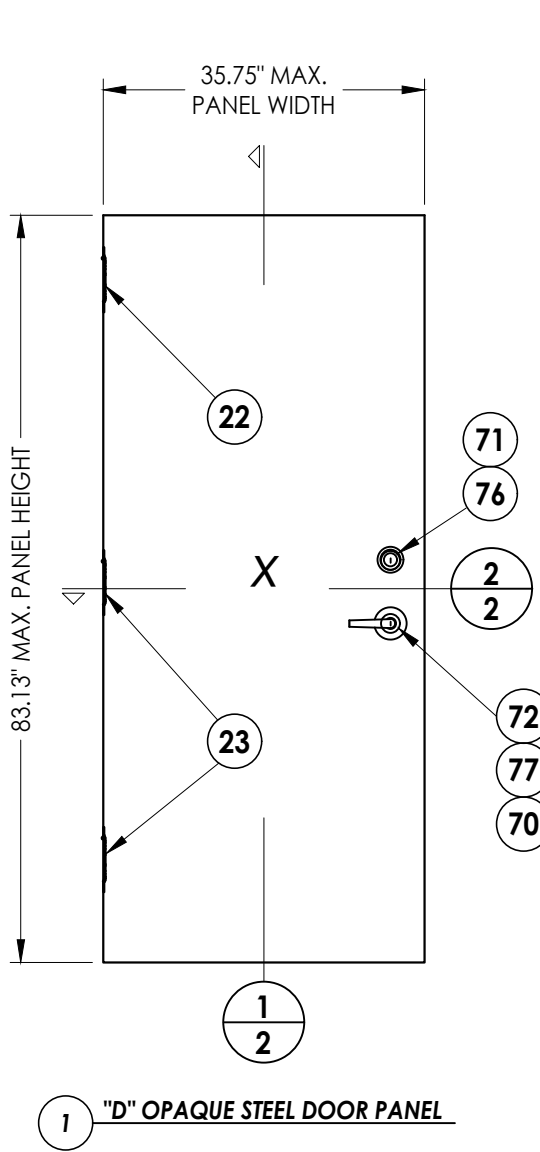
UPDATE TO 8TH ED. (2023) FBC

REVISIONS

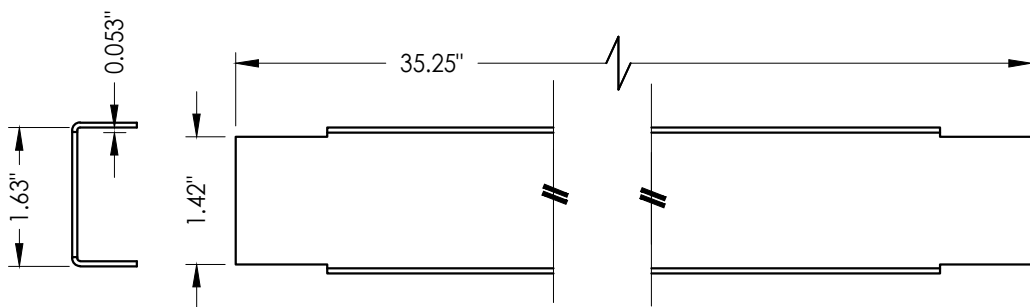
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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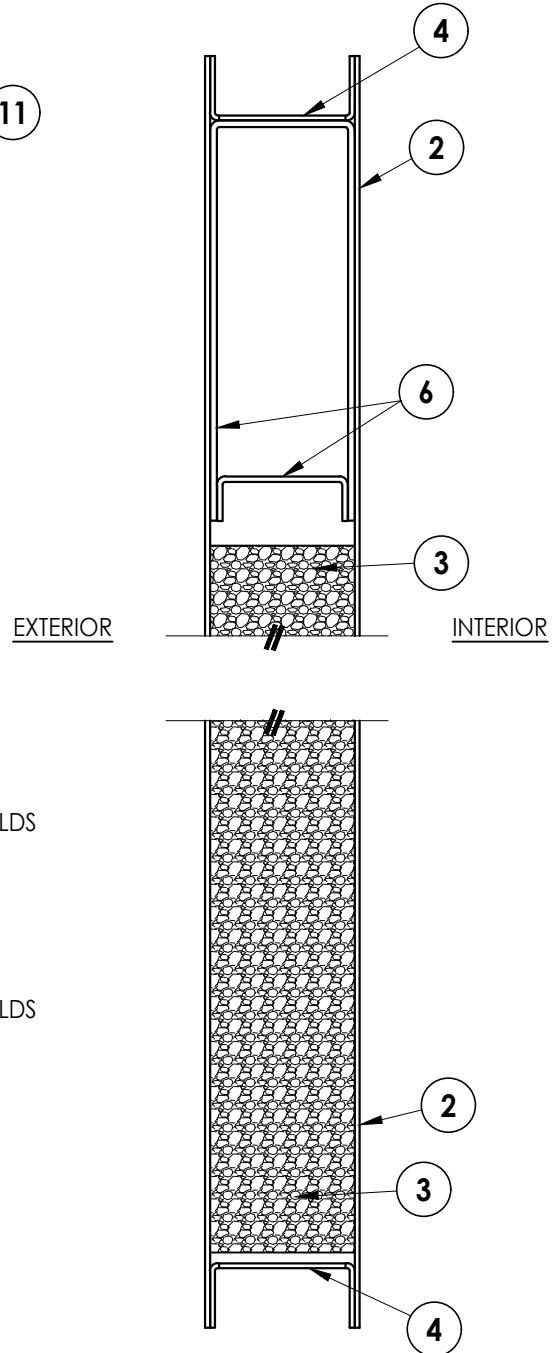
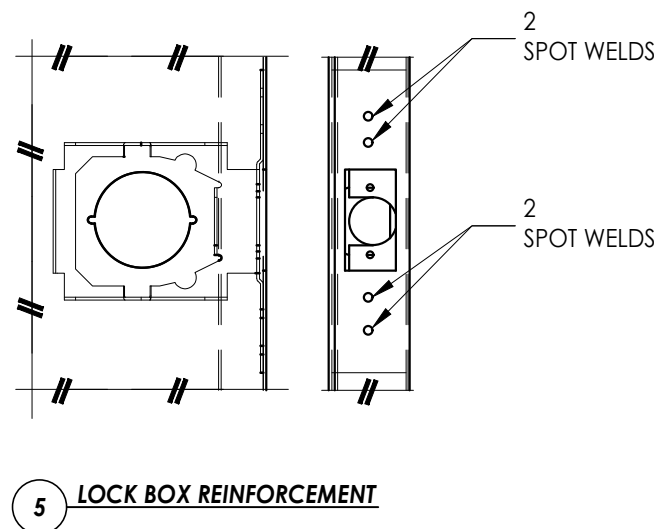
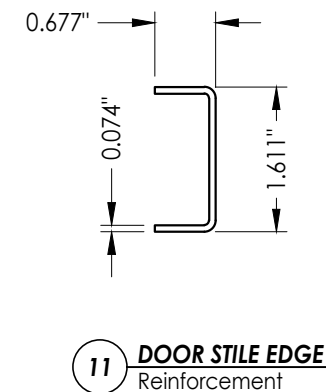
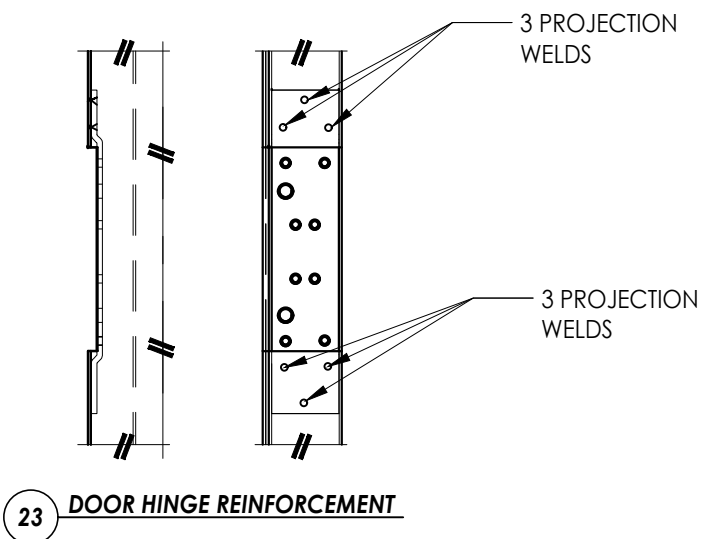
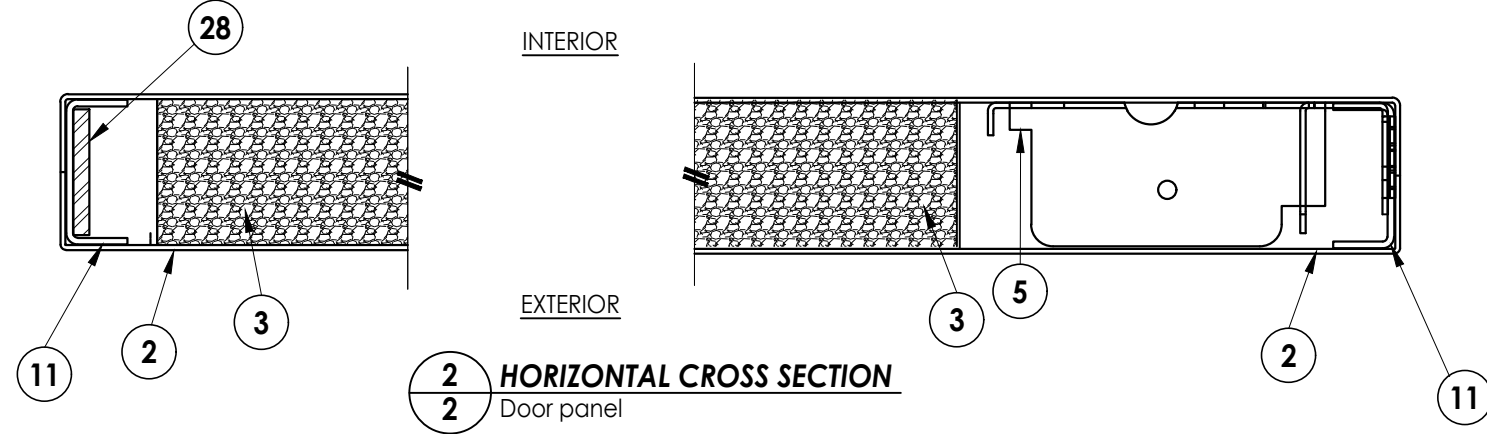
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1 "D" OPAQUE STEEL DOOR PANEL

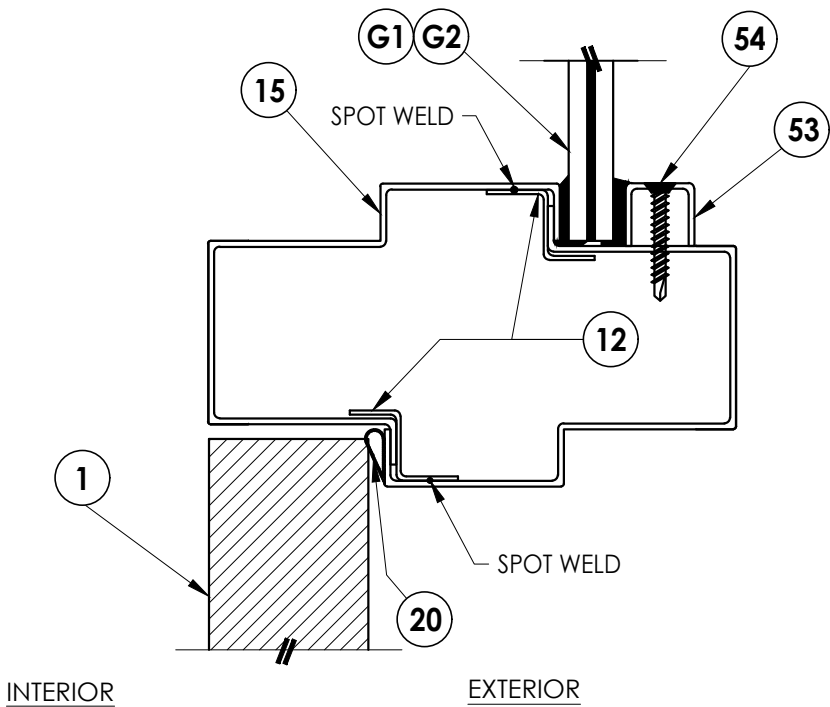


4 DOOR TOP & BOTTOM CLOSER

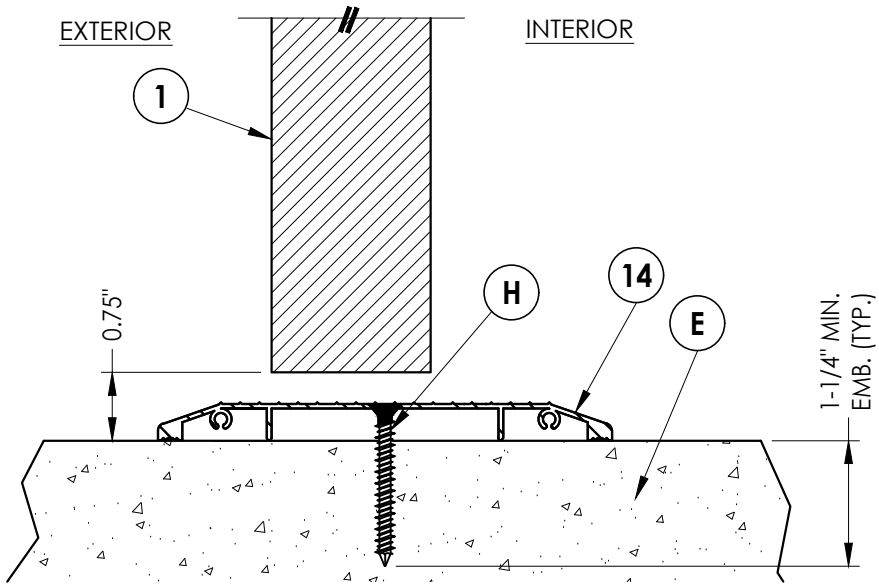


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL SECTIONS 161 LOCK PREP		R.W.			
				NO.	DATE	REVISIONS	BY
				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-41788.9							
SHEET 2 OF 9							

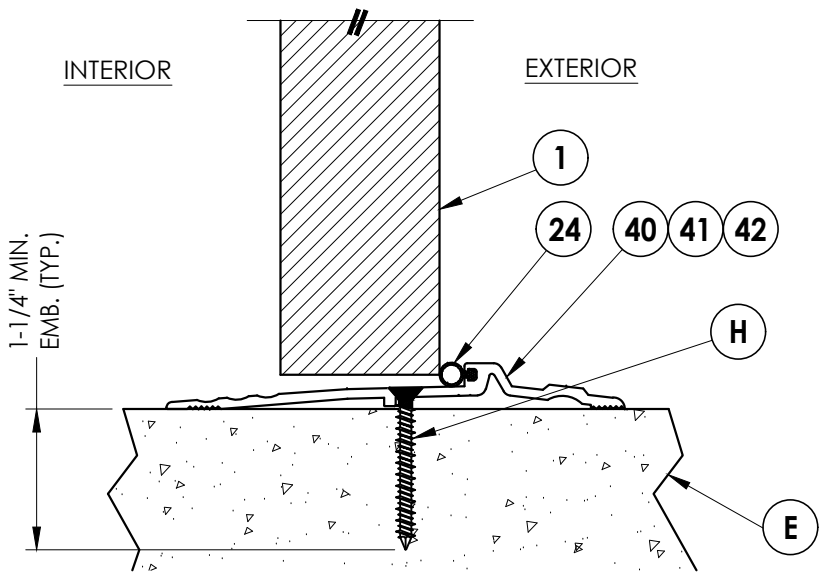
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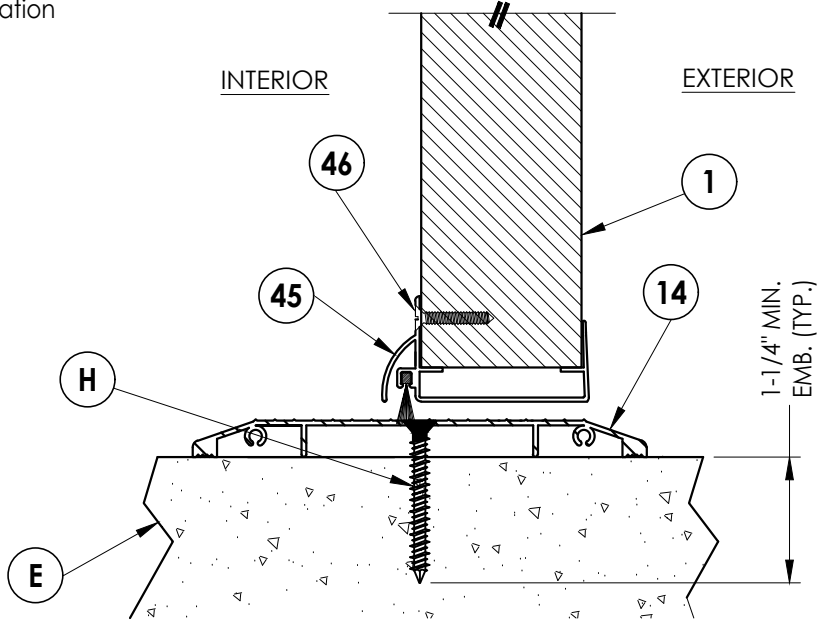
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4 **VERTICAL CROSS SECTION**
Inswing configuration



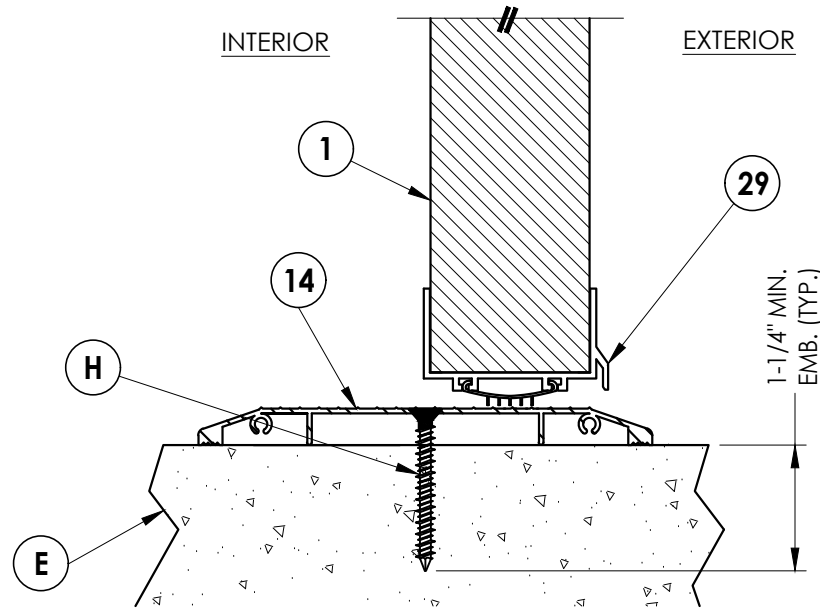
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4 **VERTICAL CROSS SECTION**



2
4 **VERTICAL CROSS SECTION**
Inswing configuration



3
4 **VERTICAL CROSS SECTION**
Inswing configuration



4
4 **VERTICAL CROSS SECTION**
Inswing configuration

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

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

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
1	8/08/23	FW6	UPDATE TO 5TH E.D. (200243) FBEC

DATE: 11/10/22

SCALE: N.T.S.

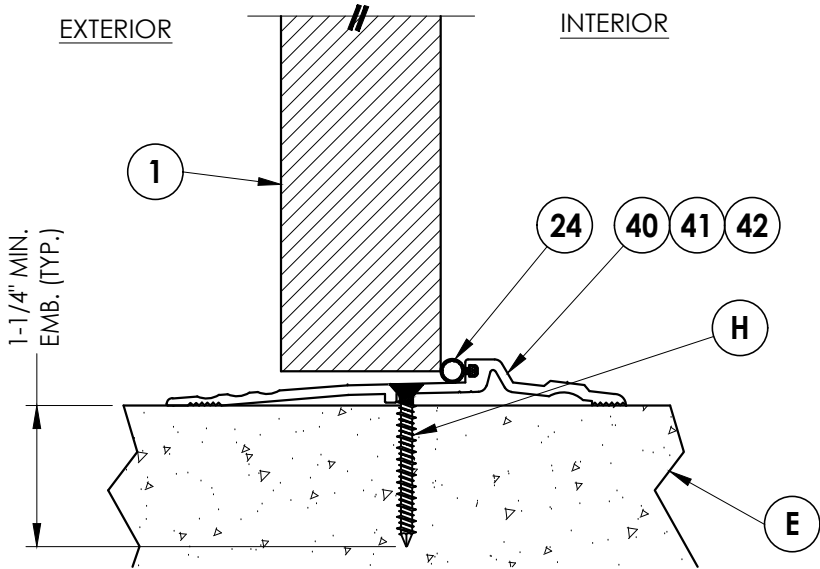
DWG. BY: LFS

CHK. BY: RW

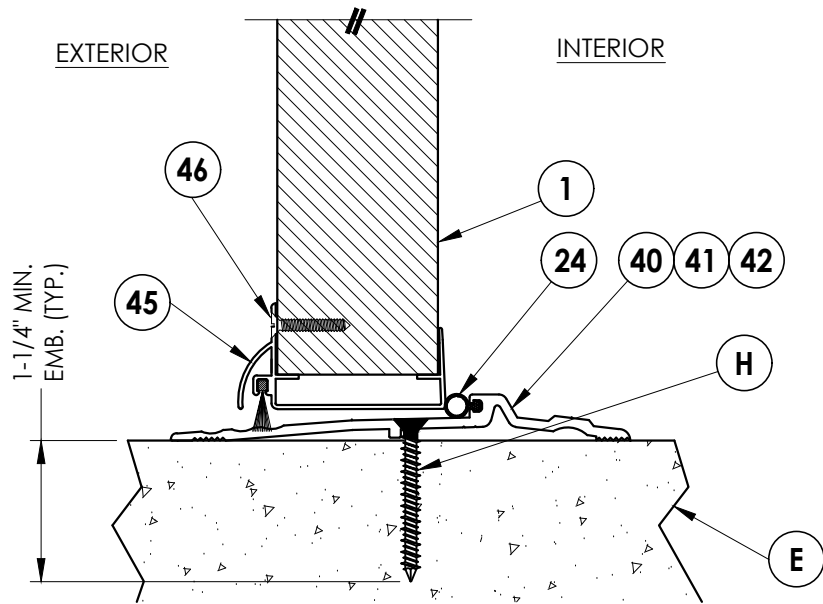
DRAWING NO.: FL-41788.9

SHEET 4 OF 9

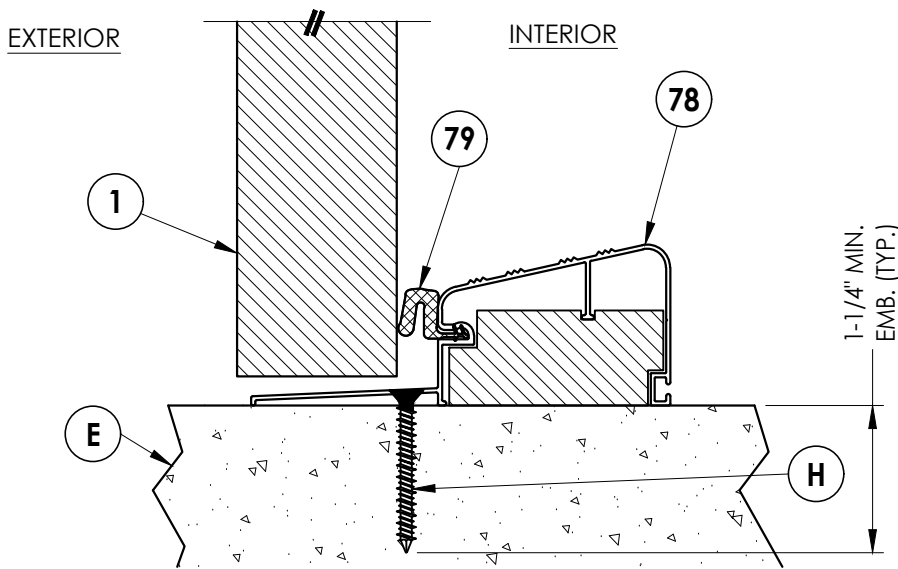
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2 **VERTICAL CROSS SECTION**
5 Outswing configuration



1 **VERTICAL CROSS SECTION**
5 Outswing configuration



3 **VERTICAL CROSS SECTION**
5 Outswing configuration

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-41788.9

SHEET 5 OF 9

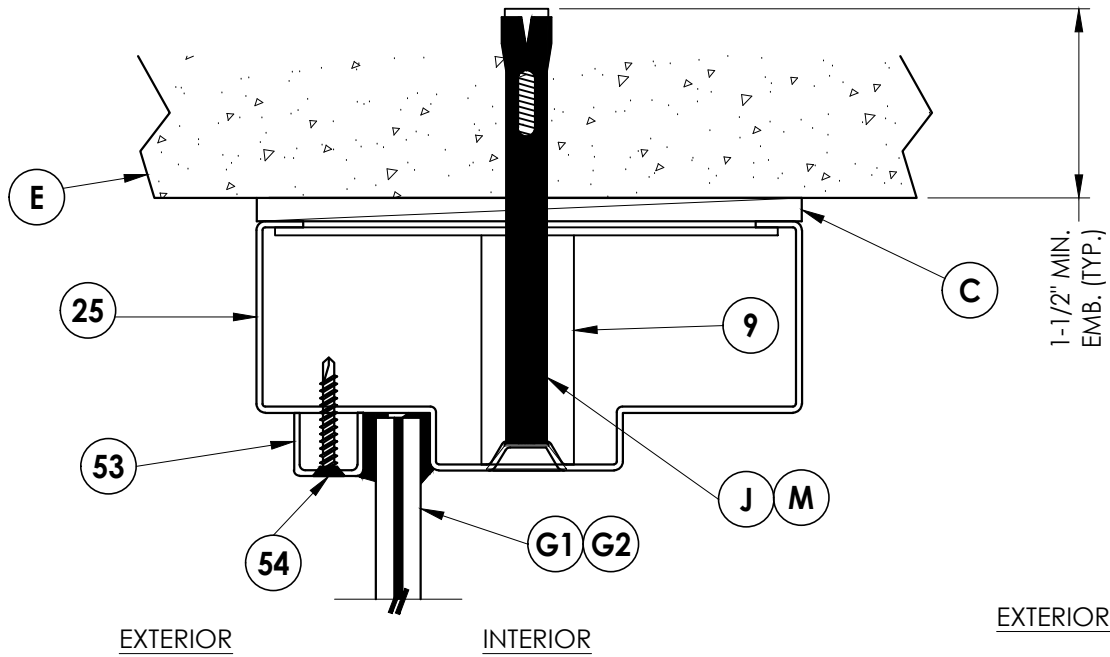
PRODUCT:
PREMIER PRODUCTS, INC.
"D" OPAQUE STEEL DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

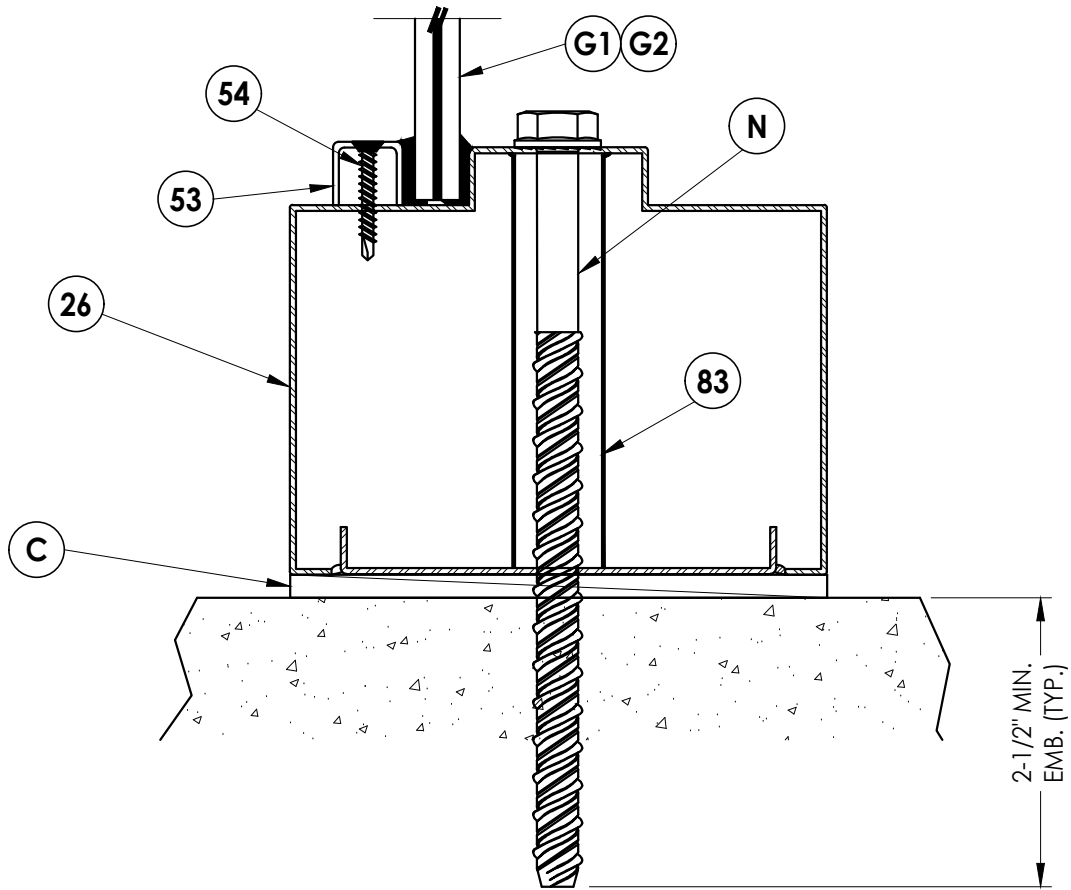
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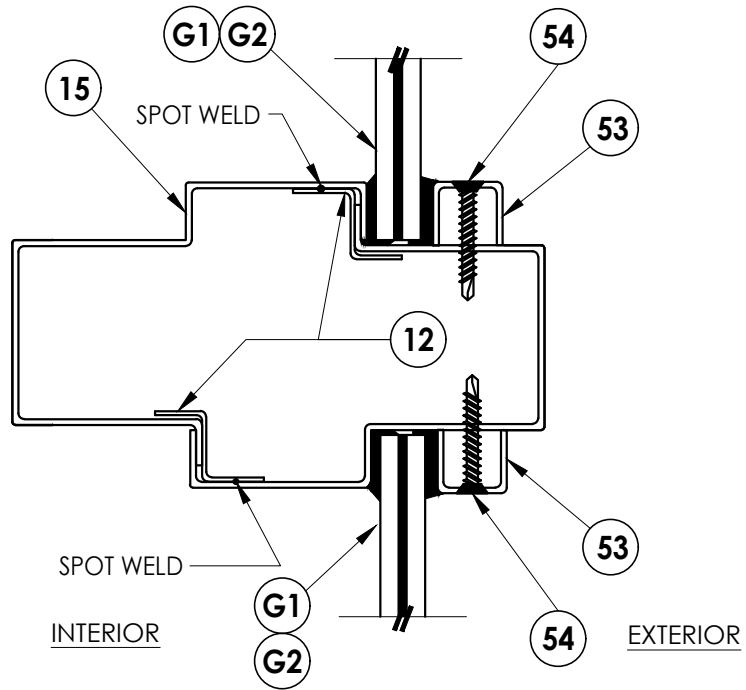
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1
6
VERTICAL CROSS SECTION



3
6
VERTICAL CROSS SECTION



2
6
VERTICAL CROSS SECTION

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

DATE: 11/10/22

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FL-41788.9

SHEET 6 OF 9

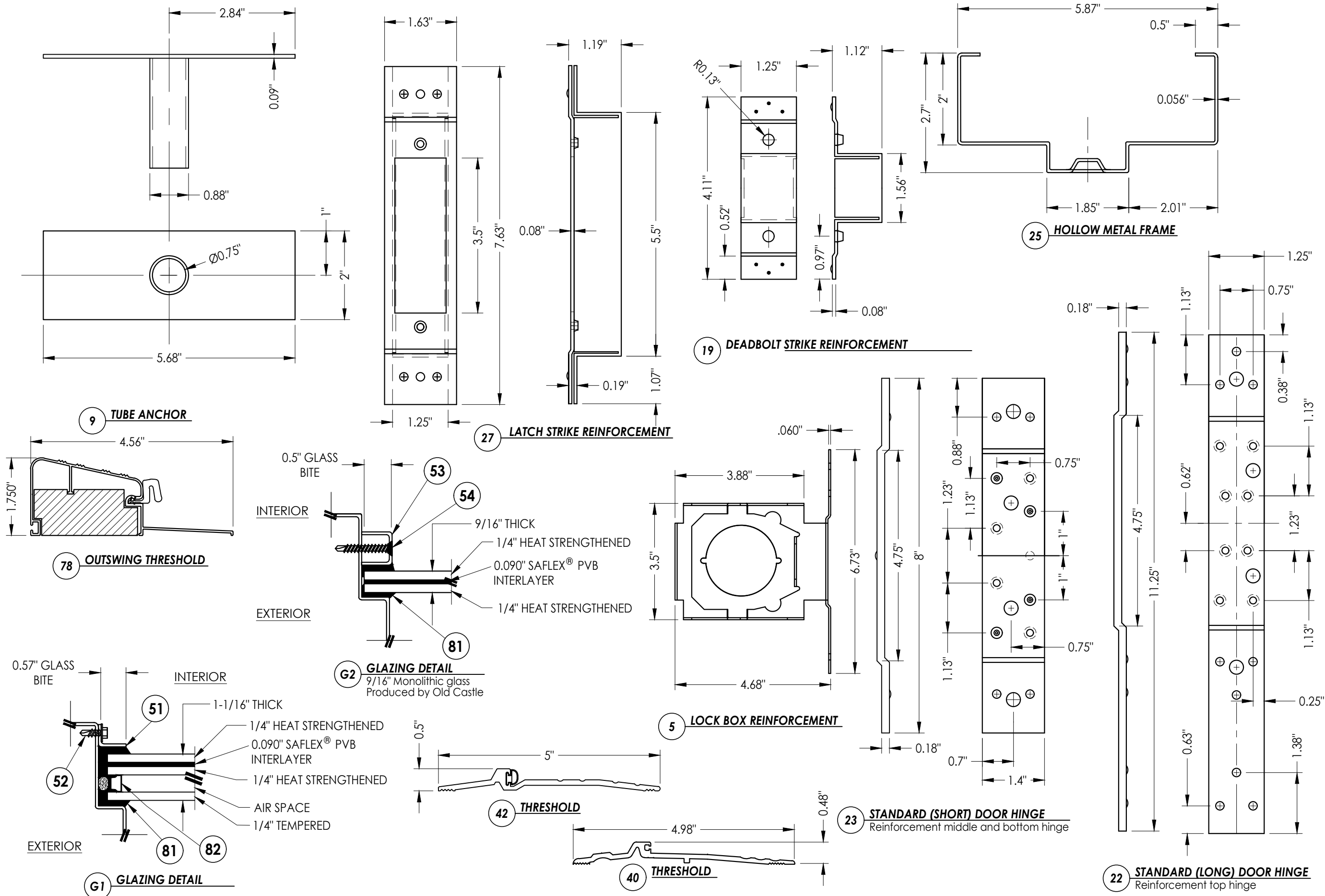
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PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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

PART OR ASSEMBLY:
GLAZING DETAIL AND
COMPONENTS

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

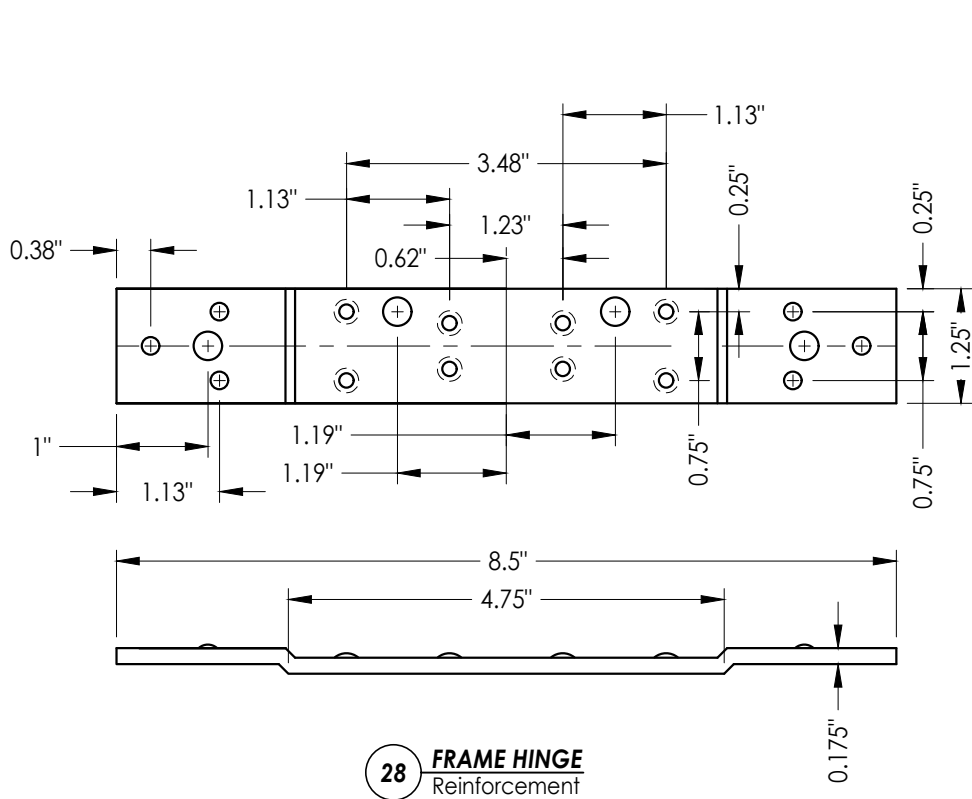
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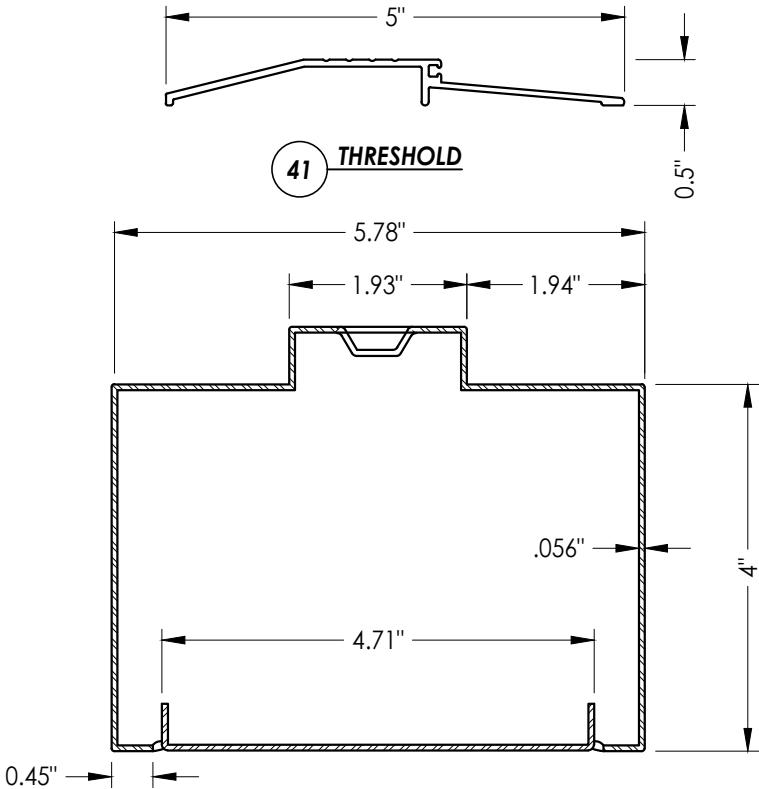
SHEET 8 OF 9

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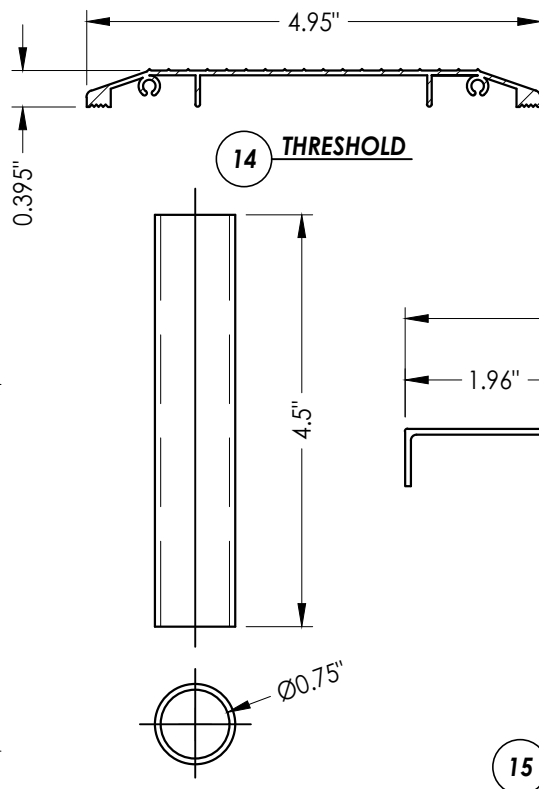
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	24	WEATHER STRIP (THRESHOLD)	NEOPRENE
			25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	26	FRAME SILL 5-3/4" X 4" MIN. (0.056" THK)	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	27	LATCH STRIKE REINFORCEMENT	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	28	FRAME HINGE REINFORCEMENT	STEEL
N	1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)	STEEL	29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
1	"D" OPAQUE STEEL DOOR PANEL	-	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	42	THRESHOLD PEMKO #2005 V	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
6	CLOSER REINFORCEMENT	STEEL	51	L-CHANNEL FIXED GLASS STOP	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL	52	#8 X 0.5" HH SELF DRILLING SCREW	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	78	OUTSWING THRESHOLD QOSH BY DLP	ALUM/WOOD
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	79	WEATHER-STRIP	FOAM
20	WEATHER-STRIP	NEOPRENE	81	DOW 995 STRUCTURAL SILICONE	SILICONE
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL	82	GLASS SPACER	ALUM
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL	83	SILL TUBE ANCHOR	STEEL



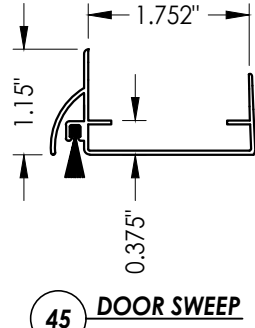
28 **FRAME HINGE**
Reinforcement



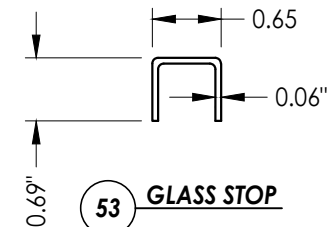
26 **HOLLOW METAL FRAME SILL**



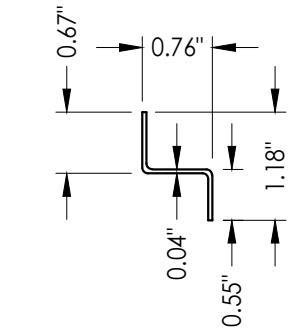
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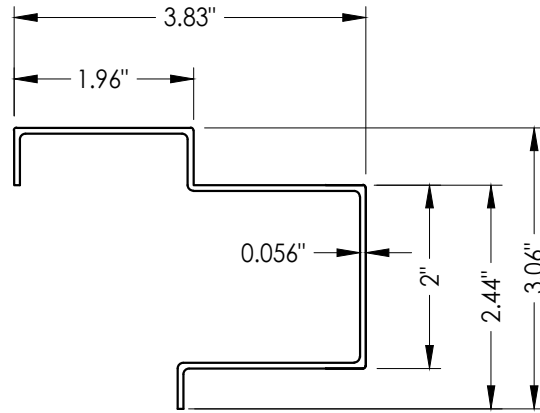
45 **DOOR SWEEP**



53 **GLASS STOP**



12 **MULLION Z BRACKET**



15 **MULLION**

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"D" STEEL DOOR

BUILDING CONSULTANTS, INC.

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

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

DATE: 11/10/22
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DRAWING NO.: FL-41788.9
SHEET 9 OF 9

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