

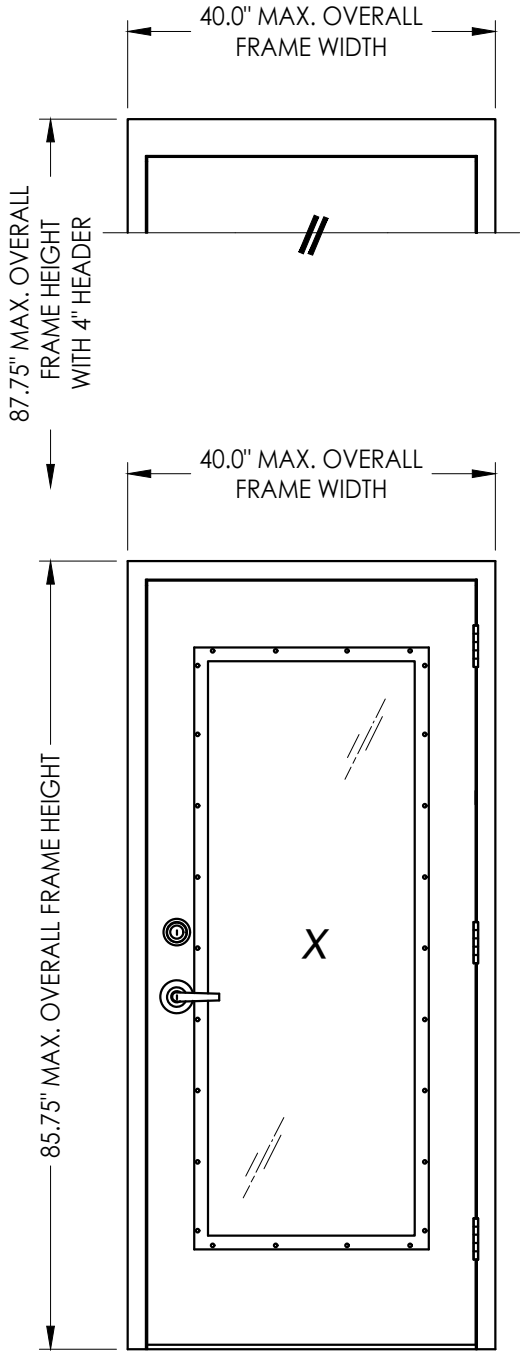


"D" SERIES
COMMERCIAL STEEL DOOR
OUTSWING
"NON-IMPACT"

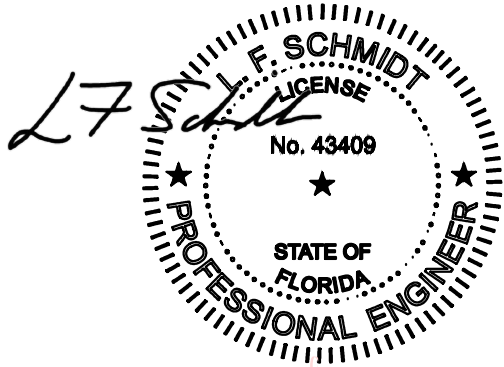
GENERAL NOTES

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 1 stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

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



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
40.0" x 85.75"	22.5" x 62.5"	+65.0	-70.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.05 11:21:05 -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

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

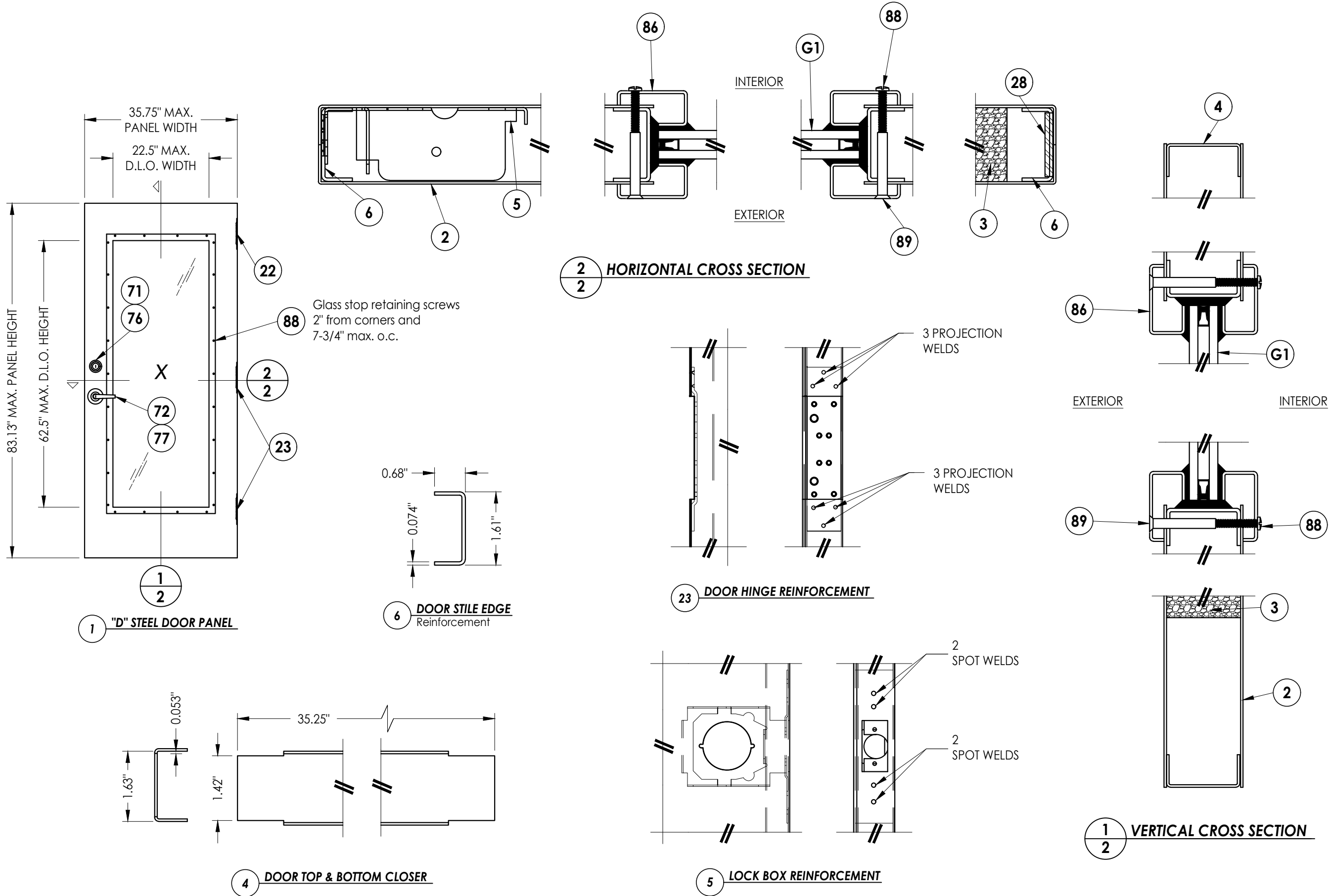
RW

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

PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
		LFS	BY		
		FBC			
2	7/02/26	UPDATE TO 9TH ED. (2026)			
1	8/21/23	UPDATE TO 8TH ED. (2023)			
NO. DATE		REVISIONS			
DATE: 11/10/22					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-41788.1					
SHEET 1 OF 7					

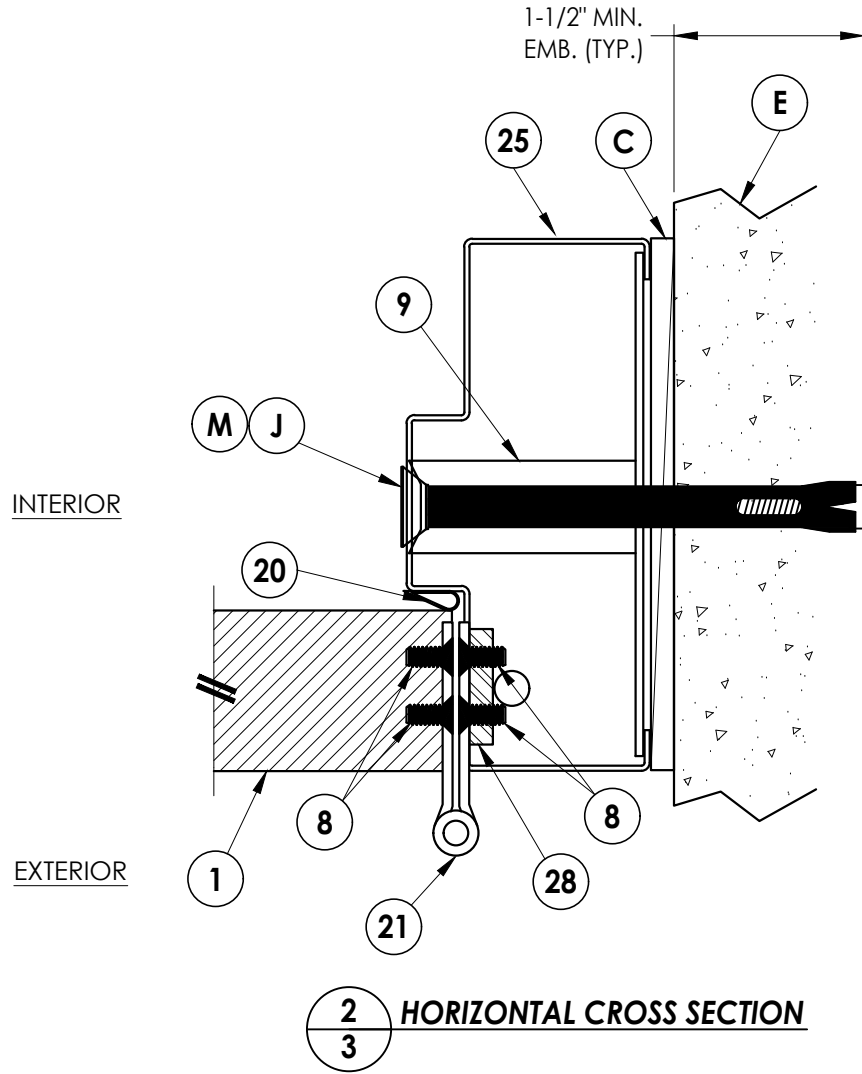
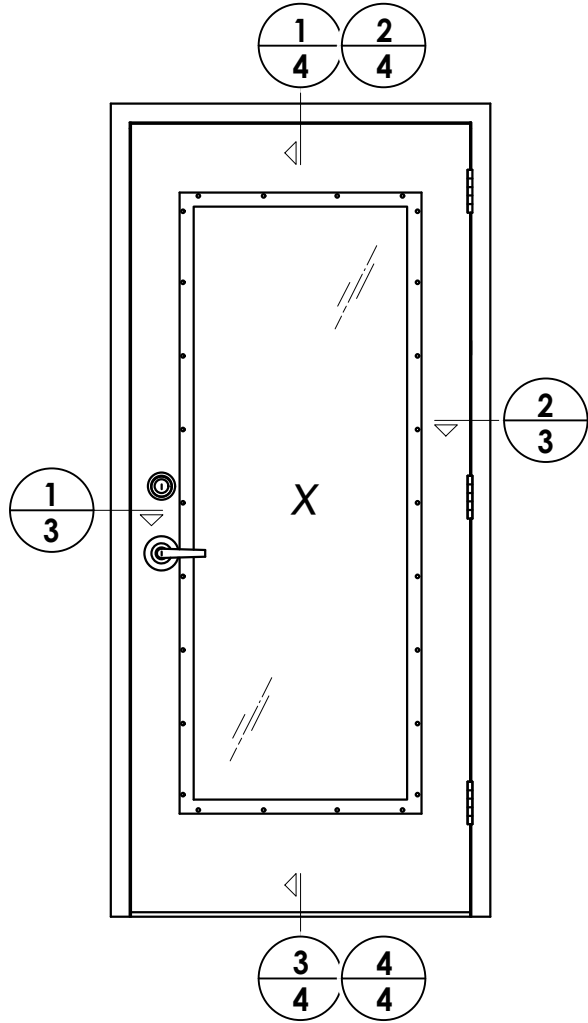
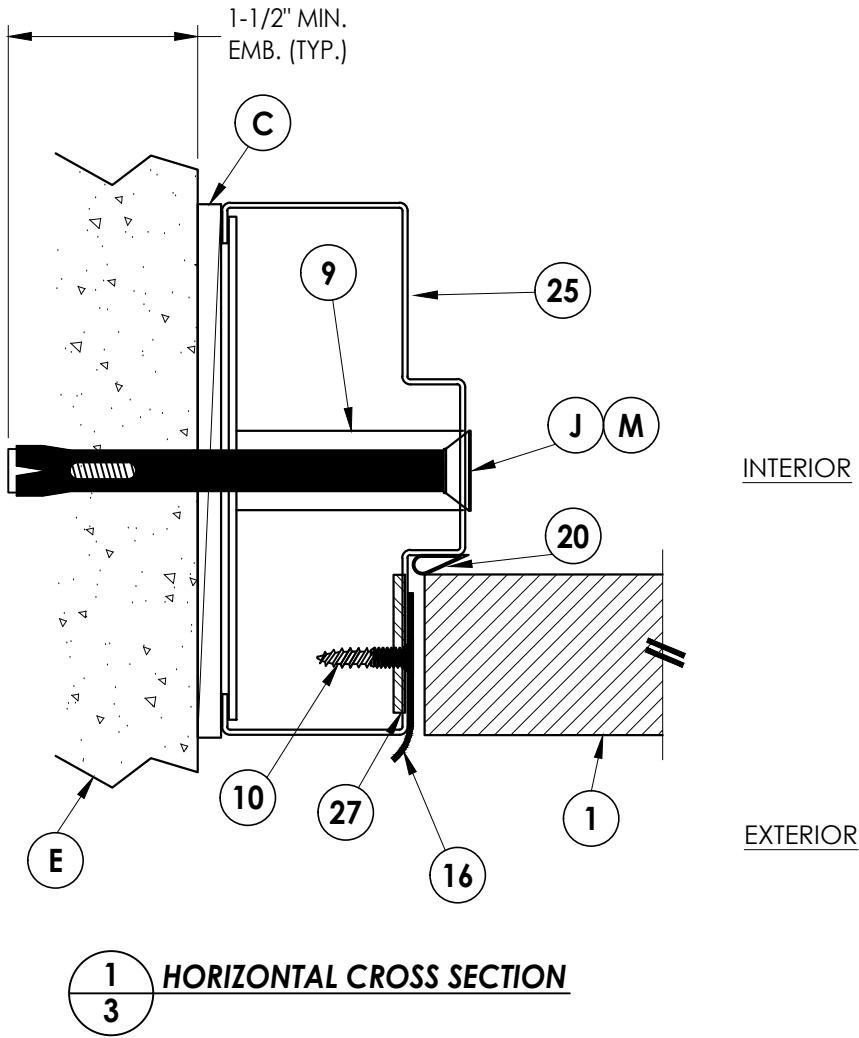
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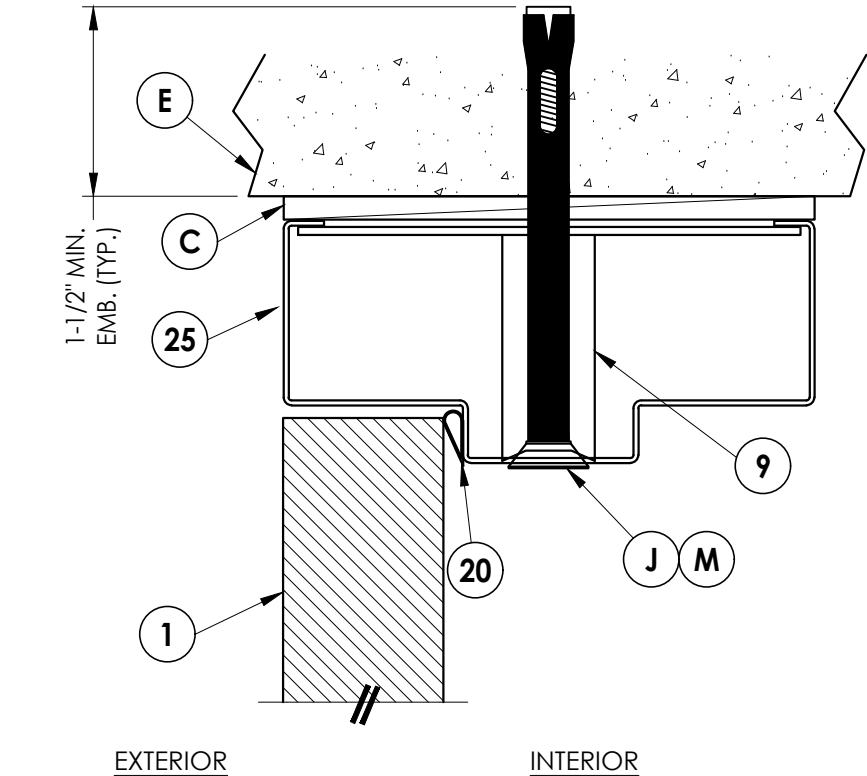
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR				PART OR ASSEMBLY: DOOR PANEL DETAILS			
				LFS	FBC	LFS	BY
2	7/02/26	UPDATE TO 9TH ED. (2026)					
1	8/21/23	UPDATE TO 8TH ED. (2023)					
NO.	DATE						
				REVISIONS			
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.1							
SHEET 2 OF 7							

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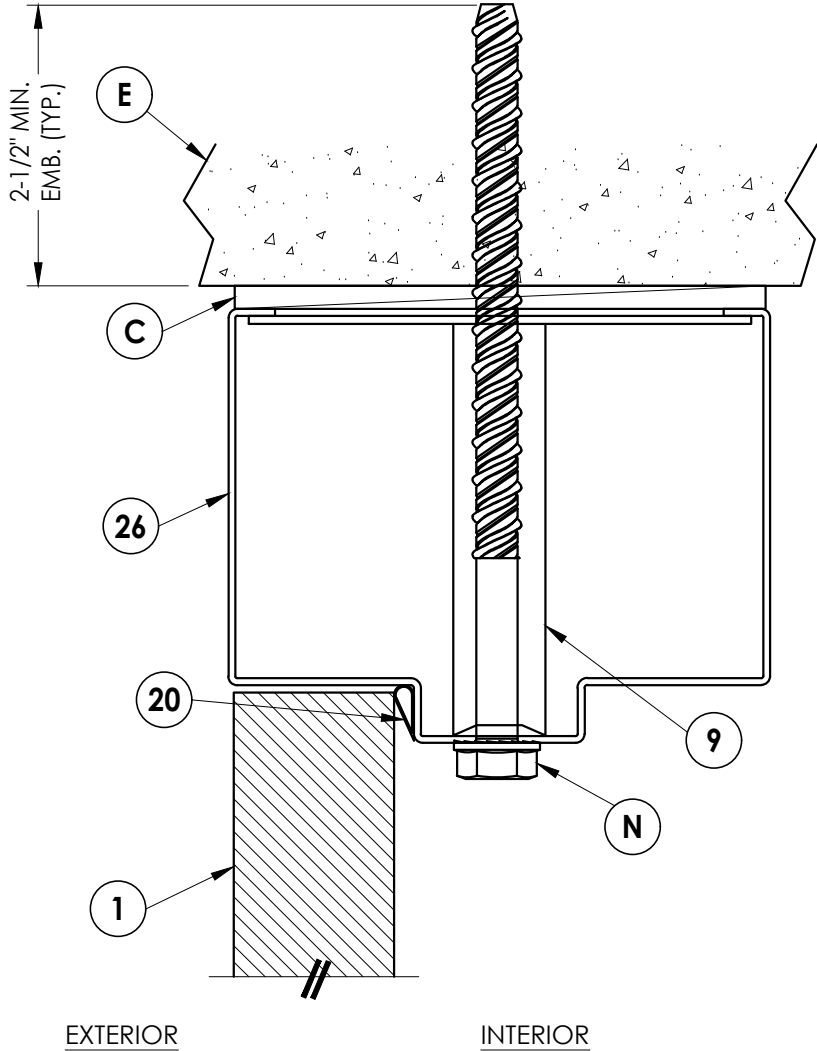


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
				LFS	FBC	UPDATE TO 9TH ED. (2026)	
				LFS	FBC	UPDATE TO 8TH ED. (2023)	
				BY		NO. DATE	
				REVISIONS			
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.1							
SHEET 3 OF 7							

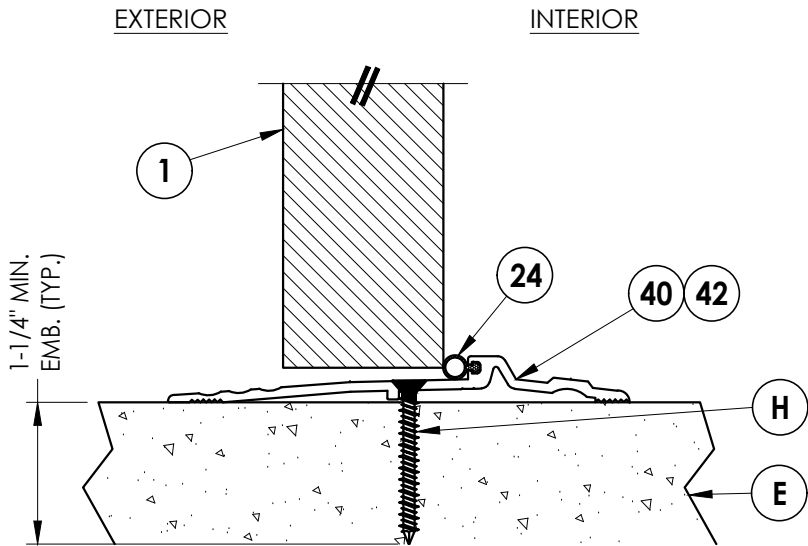
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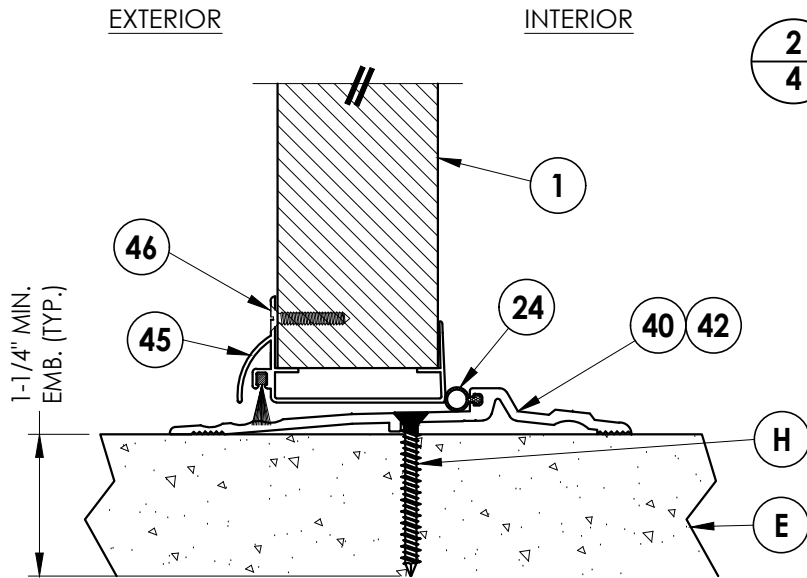
1
4 VERTICAL CROSS SECTION



2
4 VERTICAL CROSS SECTION

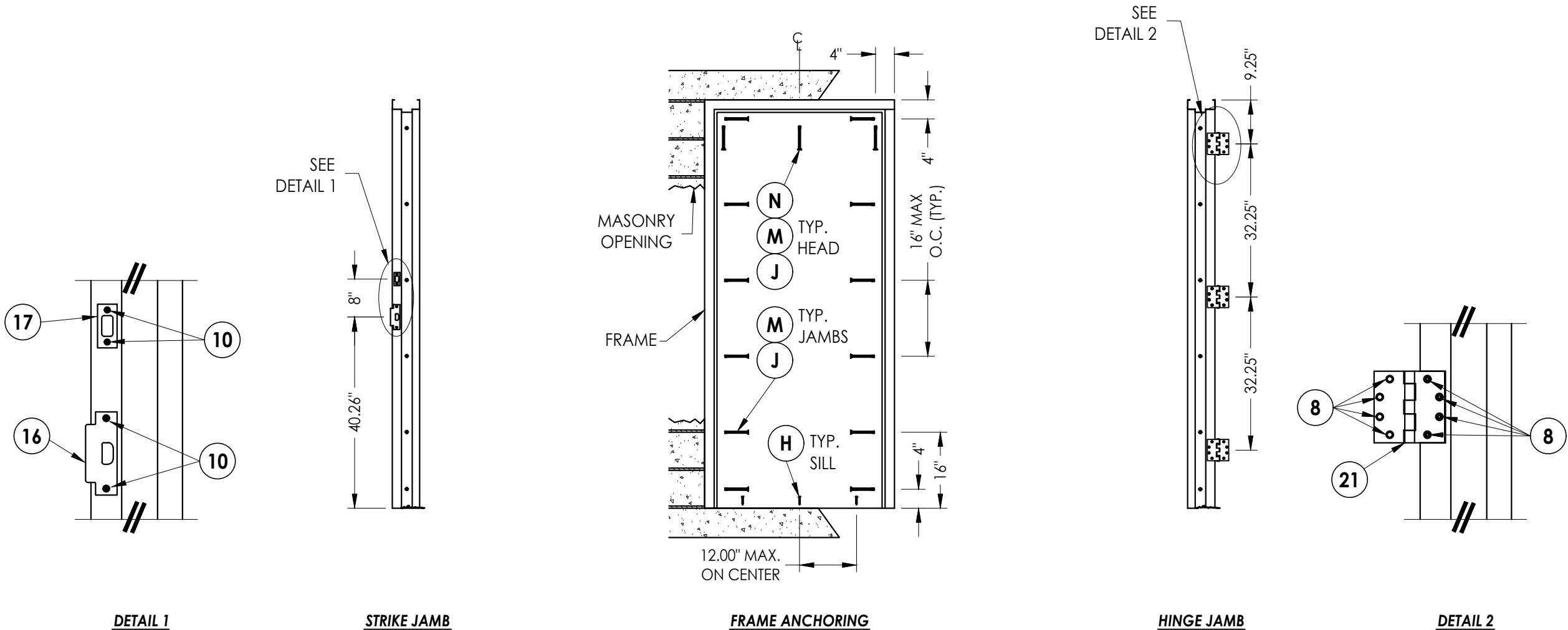


3
4 VERTICAL CROSS SECTION



4
4 VERTICAL CROSS SECTION

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PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		LFS	REVISIONS
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DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41788.1			
SHEET 4 OF 7			



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"

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Technical drawing of a U-shaped profile with the following dimensions:

- Overall width: 5.87"
- Overall height: 4.7"
- Top flange thickness: 0.5"
- Web thickness: 0.075"
- Bottom flange thickness: 4"
- Bottom flange width (left): 1.85"
- Bottom flange width (right): 2.01"

Technical drawing of a U-shaped profile with the following dimensions:

- Overall width: 5.87"
- Overall height: 2.7"
- Top flange thickness: 0.5"
- Web thickness: 0.075"
- Bottom flange thickness: 0.075"
- Bottom flange width (left): 1.85"
- Bottom flange width (right): 2.01"

Technical drawing of a frame hinge, showing top and side views with dimensions in inches.

Top View Dimensions:

- Overall width: 3.48"
- Distance from left edge to first hole center: 1.13"
- Distance between first and second hole centers: 1.23"
- Distance from second hole center to right edge: 1.13"
- Distance from left edge to first hole center (alternative): 0.375"
- Distance from left edge to first hole center (alternative): 0.62"
- Distance from second hole center to right edge (alternative): 0.25"
- Distance from second hole center to right edge (alternative): 0.25"
- Distance from second hole center to right edge (alternative): 1.25"

Side View Dimensions:

- Overall length: 8.5"
- Distance from left edge to first hole center: 4.75"
- Distance from left edge to first hole center (alternative): 1.13"
- Distance from second hole center to right edge (alternative): 1.19"
- Distance from second hole center to right edge (alternative): 1.19"
- Distance from second hole center to right edge (alternative): 0.75"
- Distance from second hole center to right edge (alternative): 0.75"
- Distance from second hole center to right edge (alternative): 0.175"

Technical drawing of a square nut. The drawing shows a top view and a side view. The top view is a square with a central circular hole. The dimensions are as follows:

- Overall height: 3.5"
- Overall width: 3.88"
- Overall width (including flange): 4.68"
- Overall height (including flange): 6.73"
- Flange thickness: .060"

Technical drawing of a rectangular plate. The drawing includes two views: a top view and a side view.

Top View Dimensions:

- Overall width: 1.63"
- Overall height: 7.63"
- Distance from top edge to the first row of holes: 1.25"
- Distance between the two rows of holes: 3.5"
- Distance from the bottom row of holes to the bottom edge: 1.25"

Top View Features:

- Two rows of three circular holes each, spaced 1.25" from the top and bottom edges.
- A central rectangular slot with a width of 0.075" and a height of 5.5".

Side View Dimensions:

- Overall width: 1.19"
- Overall height: 7.63"
- Distance from the top edge to the first row of holes: 1.25"
- Distance between the two rows of holes: 3.5"
- Distance from the bottom row of holes to the bottom edge: 1.25"

Side View Features:

- Two rows of three circular holes each, spaced 1.25" from the top and bottom edges.
- A central rectangular slot with a width of 0.075" and a height of 5.5".

Technical drawing of a rectangular plate. The drawing includes two views: a side view (left) and a top view (right).

Side View (Left):

- Overall width: 0.175"
- Overall height: 8"
- Distance from the bottom edge to the center of the first hole: 4.75"

Top View (Right):

- Overall width: 0.75"
- Overall height: 1.4"
- Distance from the left edge to the center of the first hole: 1.23"
- Distance between the centers of the first and second holes: 1.13"
- Distance between the centers of the second and third holes: 1.13"
- Distance between the centers of the third and fourth holes: 1.13"
- Distance between the centers of the fourth and fifth holes: 1.13"
- Distance between the centers of the fifth and sixth holes: 1.13"
- Distance between the centers of the sixth and seventh holes: 1.13"
- Distance between the centers of the seventh and eighth holes: 1.13"
- Distance between the centers of the eighth and ninth holes: 1.13"
- Distance between the centers of the ninth and tenth holes: 1.13"
- Distance between the centers of the tenth and eleventh holes: 1.13"
- Distance between the centers of the eleventh and twelfth holes: 1.13"
- Distance between the centers of the twelfth and thirteenth holes: 1.13"
- Distance between the centers of the thirteenth and fourteenth holes: 1.13"
- Distance between the centers of the fourteenth and fifteenth holes: 1.13"
- Distance between the centers of the fifteenth and sixteenth holes: 1.13"
- Distance between the centers of the sixteenth and seventeenth holes: 1.13"
- Distance between the centers of the seventeenth and eighteenth holes: 1.13"
- Distance between the centers of the eighteenth and nineteenth holes: 1.13"
- Distance between the centers of the nineteenth and twentieth holes: 1.13"
- Distance between the centers of the twentieth and twenty-first holes: 1.13"
- Distance between the centers of the twenty-first and twenty-second holes: 1.13"
- Distance between the centers of the twenty-second and twenty-third holes: 1.13"
- Distance between the centers of the twenty-third and twenty-fourth holes: 1.13"
- Distance between the centers of the twenty-fourth and twenty-fifth holes: 1.13"
- Distance between the centers of the twenty-fifth and twenty-sixth holes: 1.13"
- Distance between the centers of the twenty-sixth and twenty-seventh holes: 1.13"
- Distance between the centers of the twenty-seventh and twenty-eighth holes: 1.13"
- Distance between the centers of the twenty-eighth and twenty-ninth holes: 1.13"
- Distance between the centers of the twenty-ninth and thirtieth holes: 1.13"
- Distance between the centers of the thirtieth and thirty-first holes: 1.13"
- Distance between the centers of the thirty-first and thirty-second holes: 1.13"
- Distance between the centers of the thirty-second and thirty-third holes: 1.13"
- Distance between the centers of the thirty-third and thirty-fourth holes: 1.13"
- Distance between the centers of the thirty-fourth and thirty-fifth holes: 1.13"
- Distance between the centers of the thirty-fifth and thirty-sixth holes: 1.13"
- Distance between the centers of the thirty-sixth and thirty-seventh holes: 1.13"
- Distance between the centers of the thirty-seventh and thirty-eighth holes: 1.13"
- Distance between the centers of the thirty-eighth and thirty-ninth holes: 1.13"
- Distance between the centers of the thirty-ninth and fortieth holes: 1.13"
- Distance between the centers of the fortieth and forty-first holes: 1.13"
- Distance between the centers of the forty-first and forty-second holes: 1.13"
- Distance between the centers of the forty-second and forty-third holes: 1.13"
- Distance between the centers of the forty-third and forty-fourth holes: 1.13"
- Distance between the centers of the forty-fourth and forty-fifth holes: 1.13"
- Distance between the centers of the forty-fifth and forty-sixth holes: 1.13"
- Distance between the centers of the forty-sixth and forty-seventh holes: 1.13"
- Distance between the centers of the forty-seventh and forty-eighth holes: 1.13"
- Distance between the centers of the forty-eighth and forty-ninth holes: 1.13"
- Distance between the centers of the forty-ninth and fiftieth holes: 1.13"
- Distance between the centers of the fiftieth and fifty-first holes: 1.13"
- Distance between the centers of the fifty-first and fifty-second holes: 1.13"
- Distance between the centers of the fifty-second and fifty-third holes: 1.13"
- Distance between the centers of the fifty-third and fifty-fourth holes: 1.13"
- Distance between the centers of the fifty-fourth and fifty-fifth holes: 1.13"
- Distance between the centers of the fifty-fifth and fifty-sixth holes: 1.13"
- Distance between the centers of the fifty-sixth and fifty-seventh holes: 1.13"
- Distance between the centers of the fifty-seventh and fifty-eighth holes: 1.13"
- Distance between the centers of the fifty-eighth and fifty-ninth holes: 1.13"
- Distance between the centers of the fifty-ninth and sixtieth holes: 1.13"
- Distance between the centers of the sixtieth and sixty-first holes: 1.13"
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- Distance between the centers of the sixty-third and sixty-fourth holes: 1.13"
- Distance between the centers of the sixty-fourth and sixty-fifth holes: 1.13"
- Distance between the centers of the sixty-fifth and sixty-sixth holes: 1.13"
- Distance between the centers of the sixty-sixth and sixty-seventh holes: 1.13"
- Distance between the centers of the sixty-seventh and sixty-eighth holes: 1.13"
- Distance between the centers of the sixty-eighth and sixty-ninth holes: 1.13"
- Distance between the centers of the sixty-ninth and seventieth holes: 1.13"
- Distance between the centers of the seventieth and seventy-first holes: 1.13"
- Distance between the centers of the seventy-first and seventy-second holes: 1.13"
- Distance between the centers of the seventy-second and seventy-third holes: 1.13"
- Distance between the centers of the seventy-third and seventy-fourth holes: 1.13"
- Distance between the centers of the seventy-fourth and seventy-fifth holes: 1.13"
- Distance between the centers of the seventy-fifth and seventy-sixth holes: 1.13"
- Distance between the centers of the seventy-sixth and seventy-seventh holes: 1.13"
- Distance between the centers of the seventy-seventh and seventy-eighth holes: 1.13"
- Distance between the centers of the seventy-eighth and seventy-ninth holes: 1.13"
- Distance between the centers of the seventy-ninth and eightieth holes: 1.13"
- Distance between the centers of the eightieth and eighty-first holes: 1.13"
- Distance between the centers of the eighty-first and eighty-second holes: 1.13"
- Distance between the centers of the eighty-second and eighty-third holes: 1.13"
- Distance between the centers of the eighty-third and eighty-fourth holes: 1.13"
- Distance between the centers of the eighty-fourth and eighty-fifth holes: 1.13"
- Distance between the centers of the eighty-fifth and eighty-sixth holes: 1.13"
- Distance between the centers of the eighty-sixth and eighty-seventh holes: 1.13"
- Distance between the centers of the eighty-seventh and eighty-eighth holes: 1.13"
- Distance between the centers of the eighty-eighth and eighty-ninth holes: 1.13"
- Distance between the centers of the eighty-ninth and ninetieth holes: 1.13"
- Distance between the centers of the ninetieth and ninety-first holes: 1.13"
- Distance between the centers of the ninety-first and ninety-second holes: 1.13"
- Distance between the centers of the ninety-second and ninety-third holes: 1.13"
- Distance between the centers of the ninety-third and ninety-fourth holes: 1.13"
- Distance between the centers of the ninety-fourth and ninety-fifth holes: 1.13"
- Distance between the centers of the ninety-fifth and ninety-sixth holes: 1.13"
- Distance between the centers of the ninety-sixth and ninety-seventh holes: 1.13"
- Distance between the centers of the ninety-seventh and ninety-eighth holes: 1.13"
- Distance between the centers of the ninety-eighth and ninety-ninth holes: 1.13"
- Distance between the centers of the ninety-ninth and one hundred holes: 1.13"

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

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

PART OR ASSEMBLY:

COMPONENTS

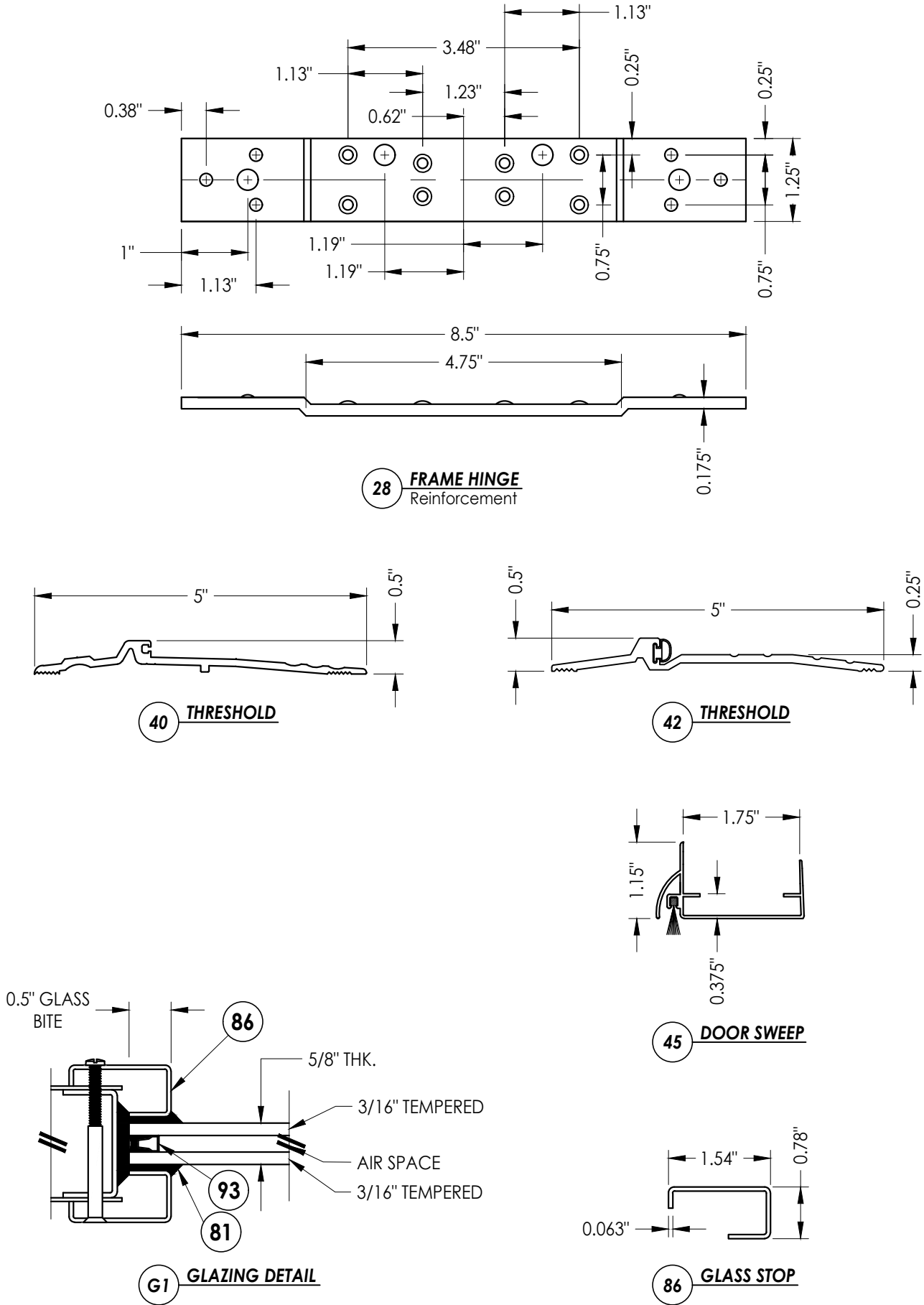
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FL-41788.1

SHEET 6 OF 7

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL
N	1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)	STEEL
1	"D" STEEL DOOR PANEL	-
2	DOOR SKIN - 16GA (0.060" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	DOOR STILE EDGE REINFORCEMENT (D DOOR)	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL
9	TUBE ANCHOR	STEEL
10	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
16	ANSI LATCH STRIKE	STEEL
17	DEADBOLT STRIKE	STEEL
19	DEADBOLT STRIKE REINFORCEMENT	STEEL
20	WEATHERSTRIP	NEOPRENE
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
24	WEATHERSTRIP (THRESHOLD)	NEOPRENE
25	FRAME - 14GA (0.075" THK) WITH 2" HEAD	STEEL
26	FRAME - 14GA (0.075" THK) WITH 4" HEAD	STEEL
27	LATCH STRIKE REINFORCEMENT	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
42	THRESHOLD PEMKO #2005V	ALUMINUM
45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
81	DOW 995 STRUCTURAL SILICONE	SILICONE
86	LITE FRAME BY AIR LOUVERS #1500-AJ-2464	STEEL
88	#8 X 1-1/2" PPH MS	STEEL
89	SCREW COVER	STEEL
93	GLASS SPACER	ALUMINUM



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BILL OF MATERIALS
& COMPONENTS

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1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS

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SHEET 7 OF 7