



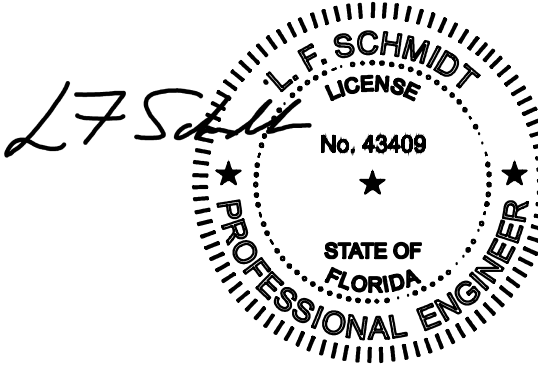
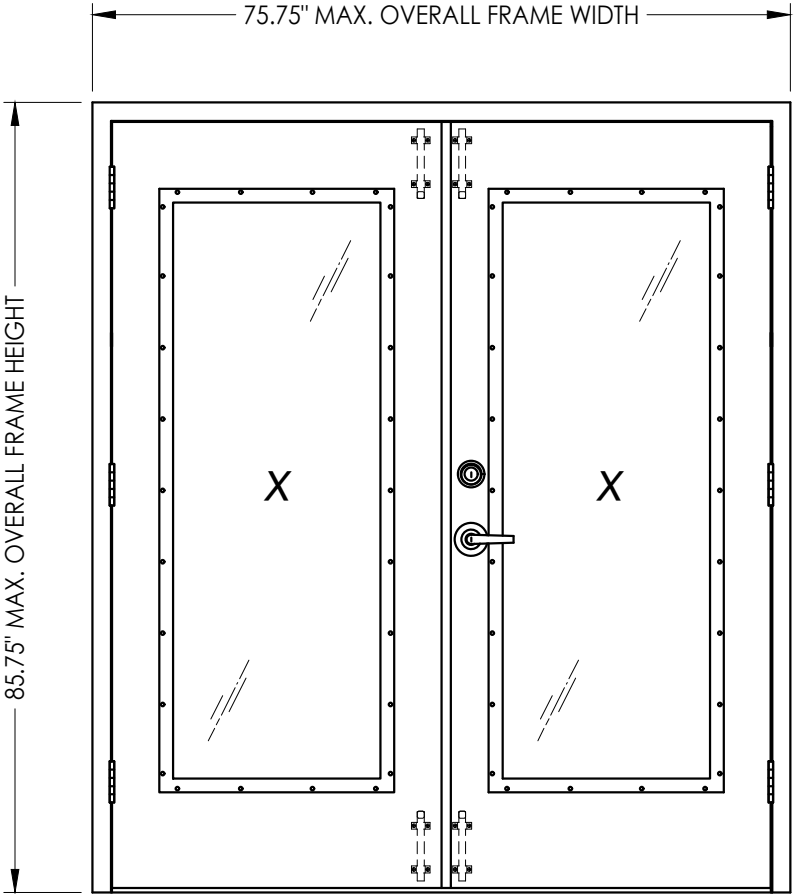
"D" SERIES
COMMERCIAL STEEL DOOR
OUTSWING
"NON-IMPACT"

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 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 & vertical cross sections
4	Anchoring details
5	Components
6	Bill of materials, glazing detail & components

OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
75.75" x 85.75"	22.5" x 62.5"	+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 ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-41788.3

SHEET 1 OF 6

REVISIONS

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

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

Technical drawing of a rectangular plate. The drawing shows a side view of a plate with a thickness of 0.053 inches and a width of 1.63 inches. The dimensions are indicated by arrows and text labels.

Glass stop retaining screws
2" from corners and
7-3/4" max. o.c.

Technical drawing of a U-channel cross-section. The dimensions are: 0.68" flange width, 0.074" wall thickness, and 1.61" height.

6 DOOR STILE EDGE Reinforcement

2 HORIZONTAL CROSS SECTION

23 DOOR HINGE REINFORCEMENT

5 LOCK BOX REINFORCEMENT

PROJECTION FIELDS

3 PROJECTION WELDS

2
— SPOT WELDS

2
SPOT WELDS

86

EXTERIOR

INTERIOR

1 VERTICAL CROSS SECTION

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

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

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

DOOR ASSEMBLY:
DOOR PANEL DETAILS

1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NNO.	DATE			BY
REVISIONS				

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: *RW*

DRAWING NO.:

FL-41788.3

SHEET 2 OF 6

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2 HORIZONTAL CROSS SECTION

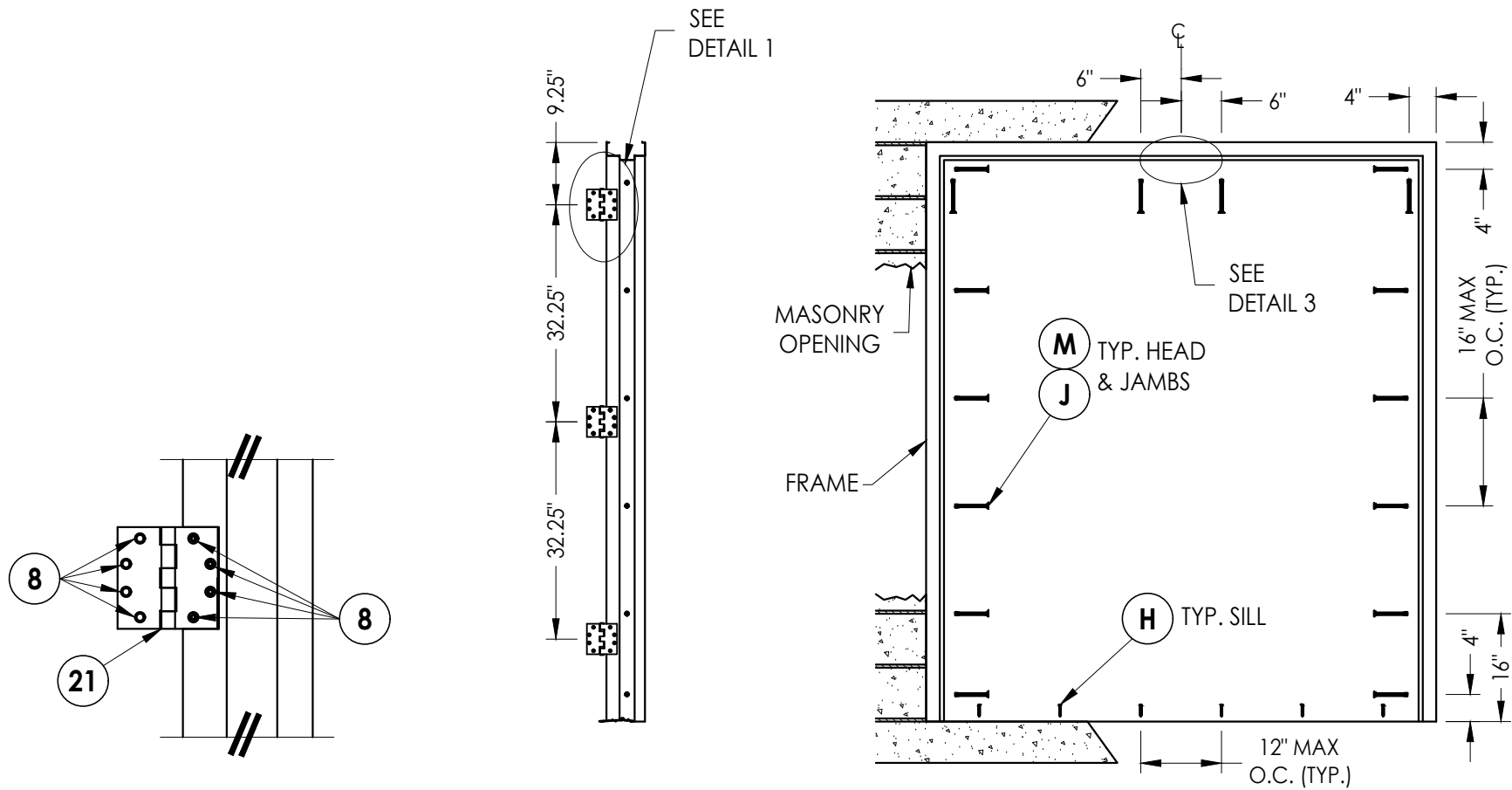


PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS
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Documents Prepared By:
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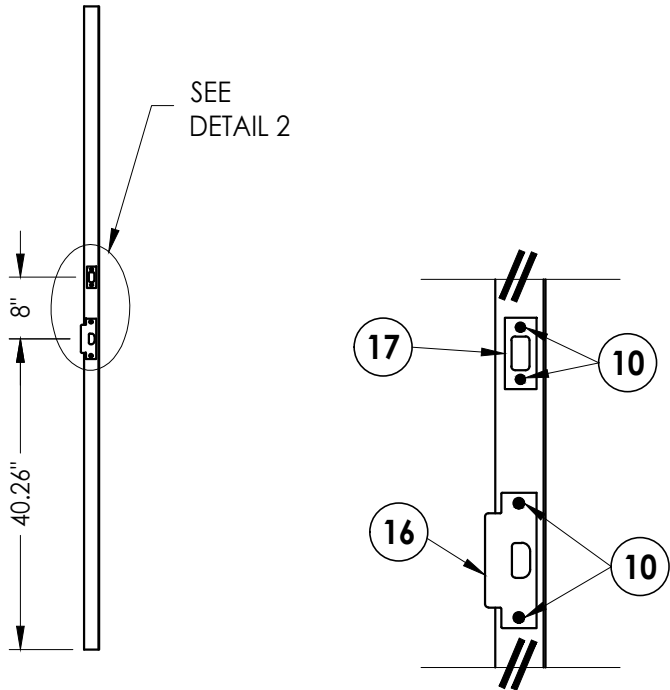
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DETAIL 1

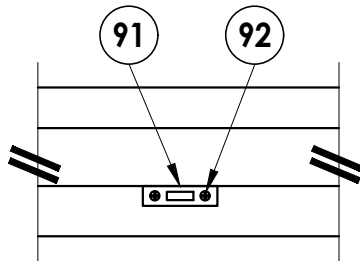
HINGE JAMB

FRAME ANCHORING



STRIKE JAMB

DETAIL 2



DETAIL 3

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"

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

PART OR ASSEMBLY:
ANCHORING DETAILS

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

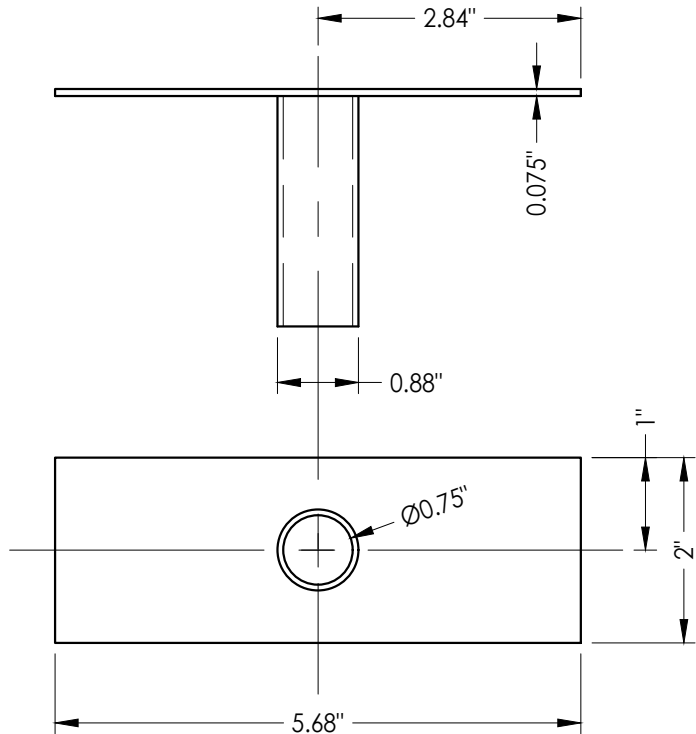
CHK. BY: RW

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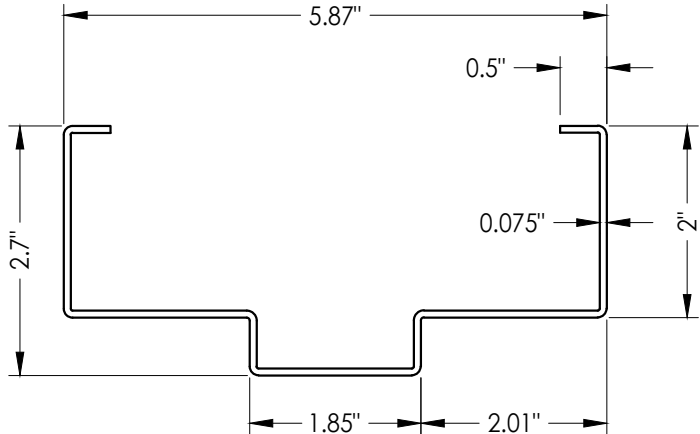
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SHEET 4 OF 6

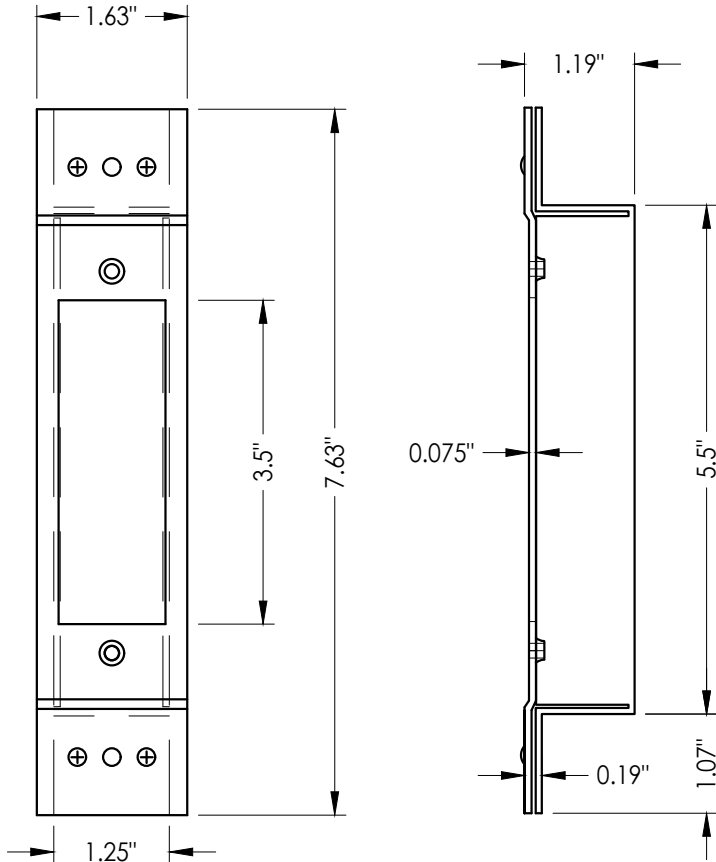
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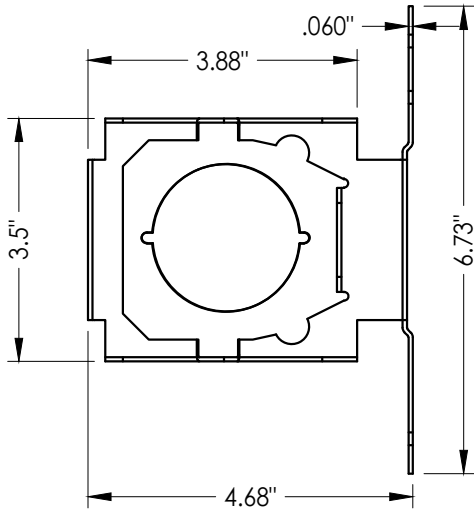
9 TUBE ANCHOR



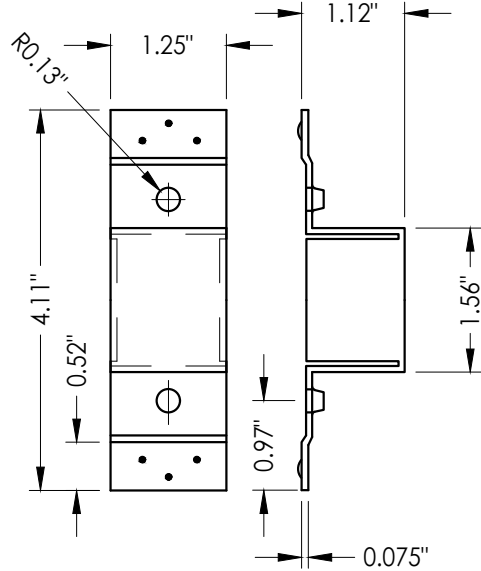
25 HOLLOW METAL FRAME



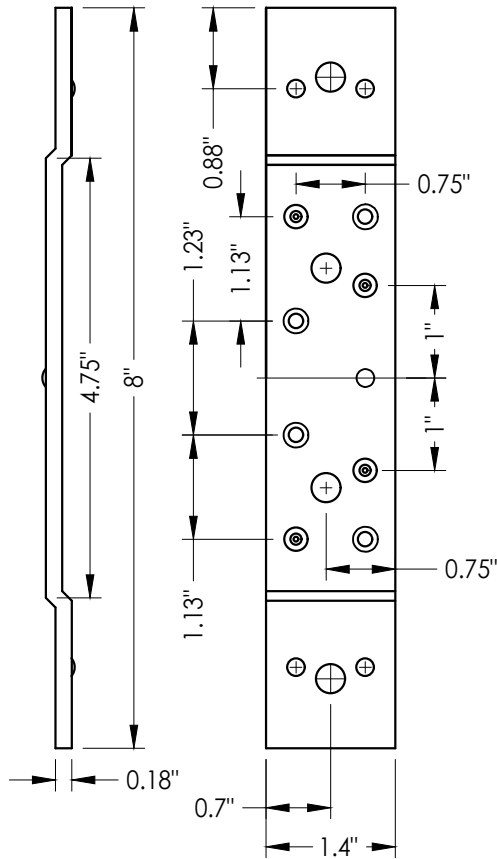
27 LATCH STRIKE REINFORCEMENT



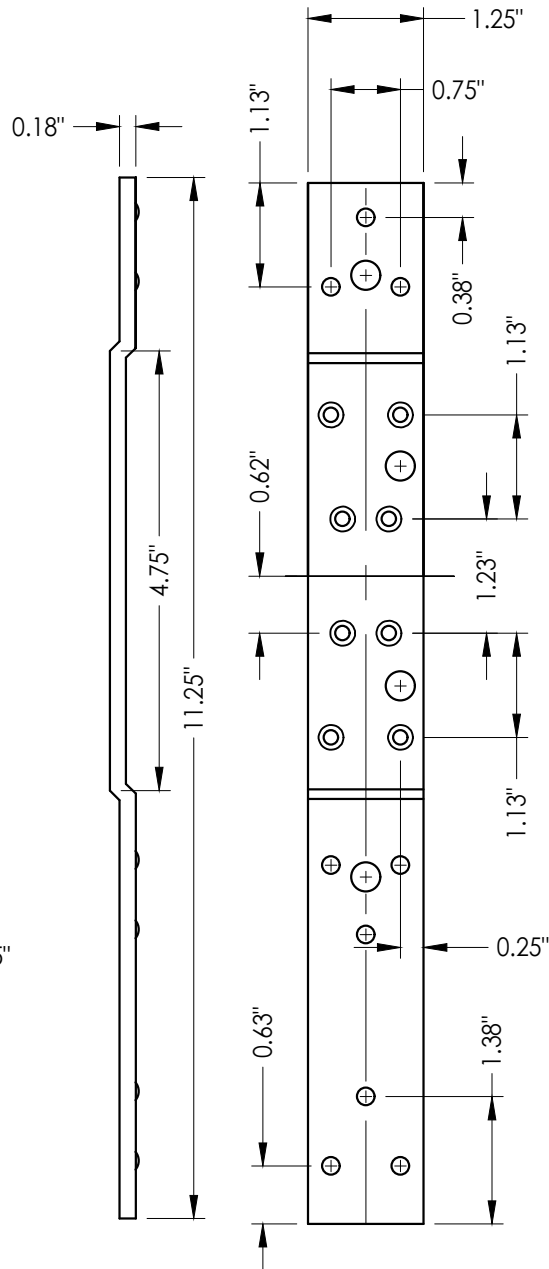
5 LOCK BOX REINFORCEMENT



19 DEADBOLT STRIKE REINFORCEMENT



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

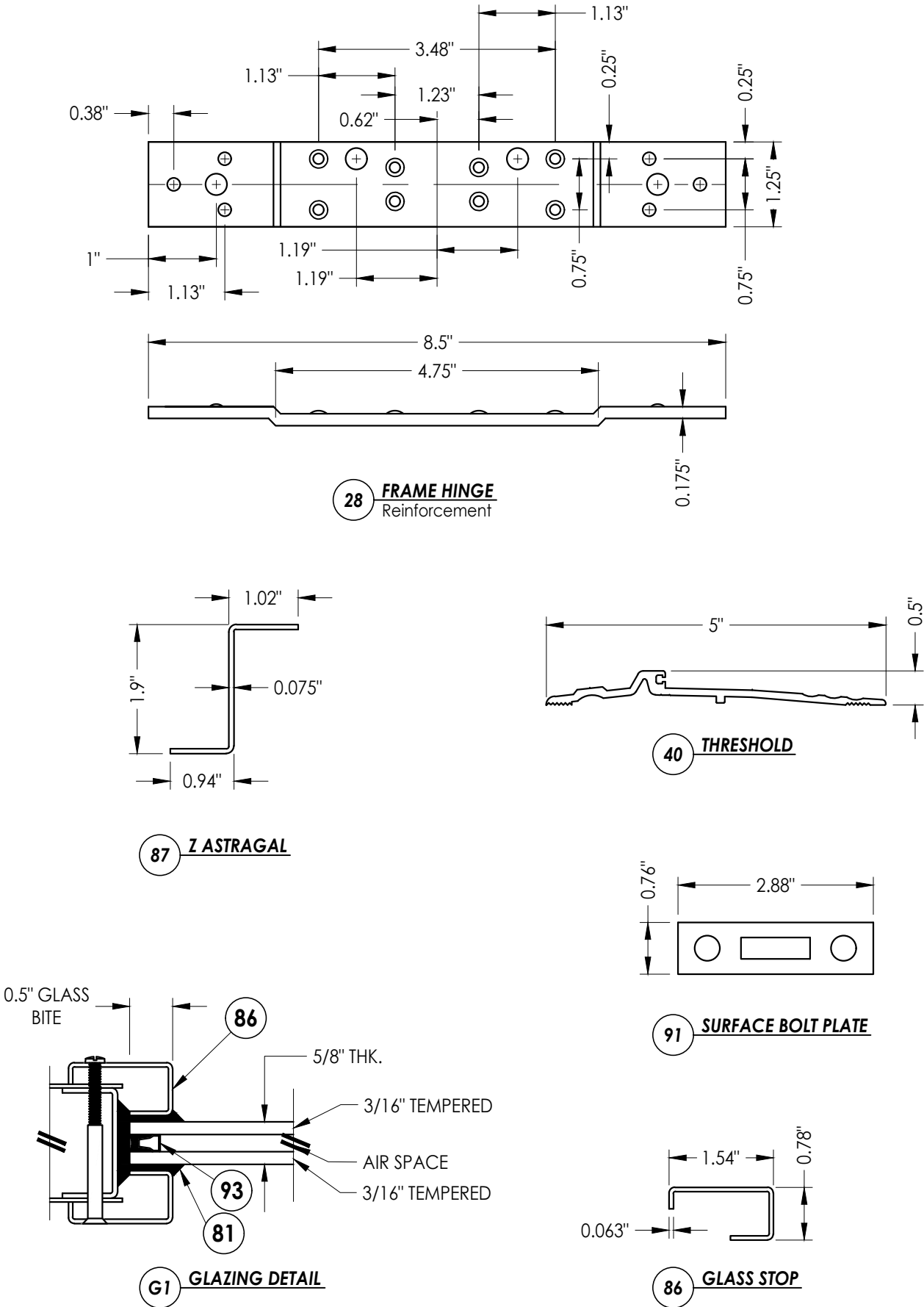


22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge

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: COMPONENTS		DATE: 11/10/22		SCALE: N.T.S.	
				DWG. BY: LFS		CHK. BY: RW	
				DRAWING NO.: FL-41788.3		SHEET 5 OF 6	
				NO. DATE		REVISIONS	
				1 8/21/23 UPDATE TO 8TH ED. (2023) FBC		LFS BY	

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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
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)	STEEL
27	LATCH STRIKE REINFORCEMENT	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
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
82	SURFACE BOLT	STEEL
83	1/4" X 2-1/2" PPH MS	STEEL
86	LITE FRAME BY AIR LOUVERS #1500-AJ-2464	STEEL
87	Z ASTRAGAL	STEEL
88	#8 X 1-1/2" PPH MS	STEEL
89	SCREW COVER	STEEL
91	SURFACE BOLT PLATE	STEEL
92	#8 X 1-1/4" PPH SELF TAPPER	STEEL
93	GLASS SPACER	ALUMINUM



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

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

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL & 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 6 OF 6