

Z:\2023 FBC Drawings\Premier Products, Inc\FL-41788 R3\FL-41788.16-21.dwg

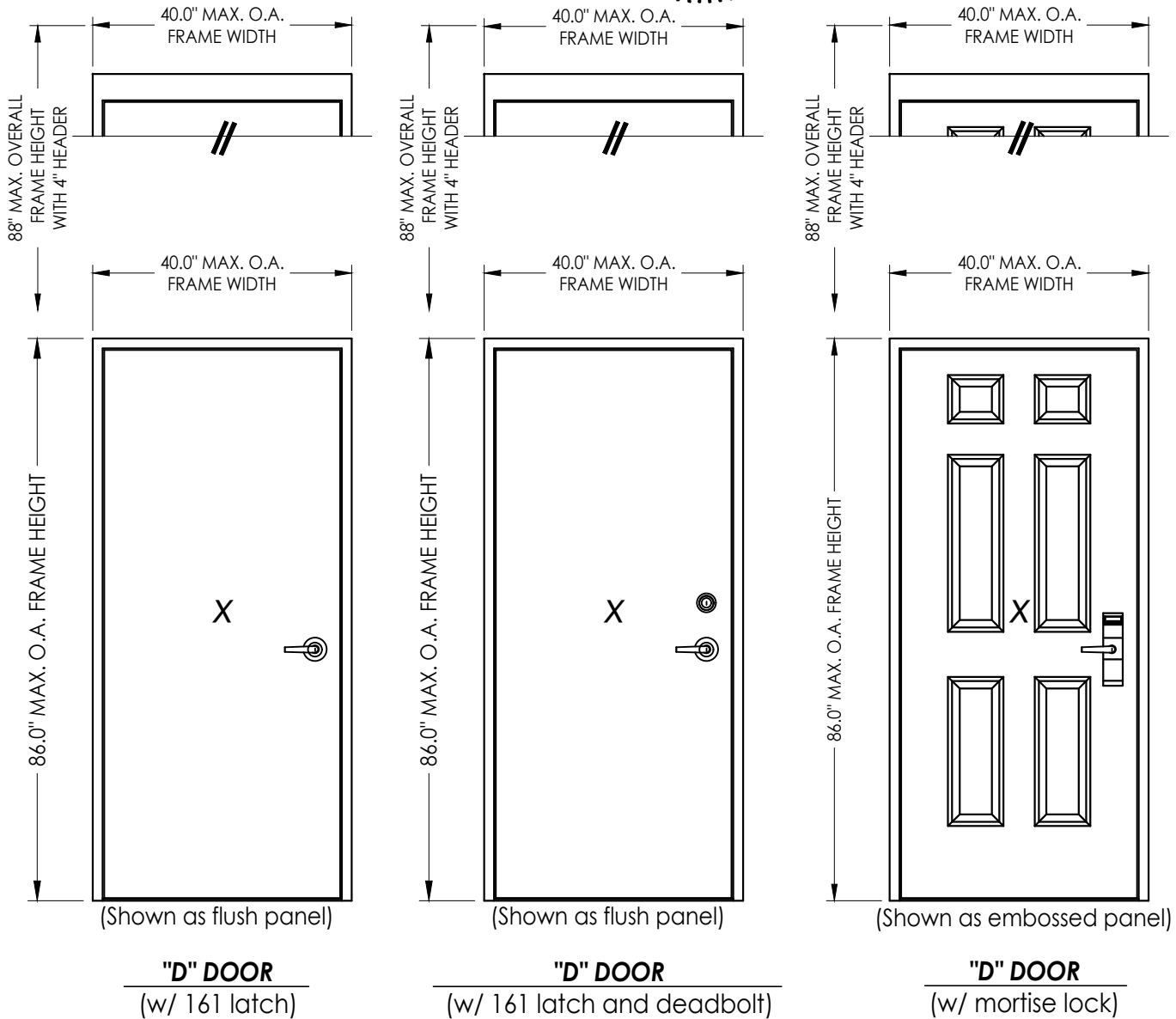


"D" SERIES
COMMERCIAL STEEL DOOR
INSWING
"IMPACT"

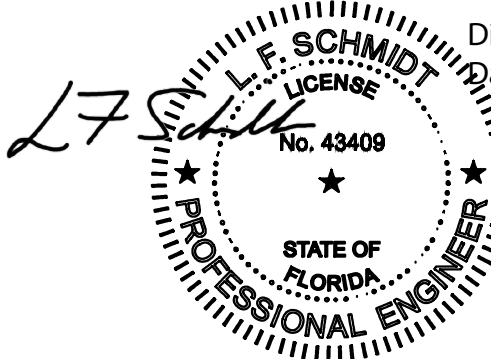
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
6. All steel shall be protected as specified in Section 2222.6 of the FBC.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel sections 161 lock prep
3	Door panel sections 86E mortise lock prep
4	Horizontal cross sections
5	Horizontal cross sections
6	Horizontal cross sections
7	Vertical cross sections
8	Frame anchoring
9	Anchoring details
10	Components
11	Bill of materials & components



OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
40.0\" x 86.0\"	161 LATCH (SCHLAGE)	+55.0	-55.0
40.0\" x 86.0\"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+70.0	-75.0
40.0\" x 86.0\"	86E MORTISE LOCK (ONITY)	+60.0	-75.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.05 11:25:30 -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

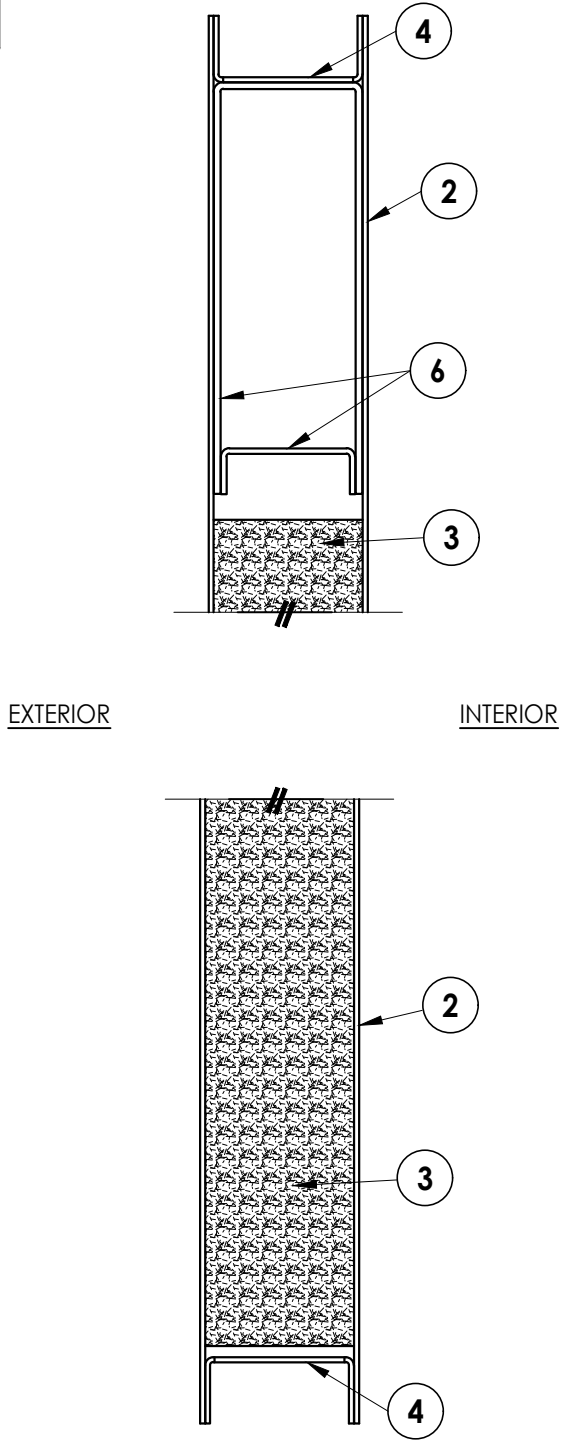
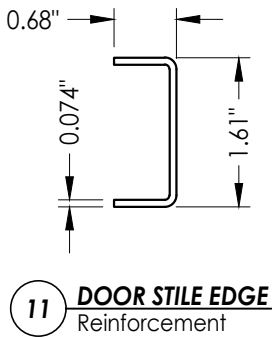
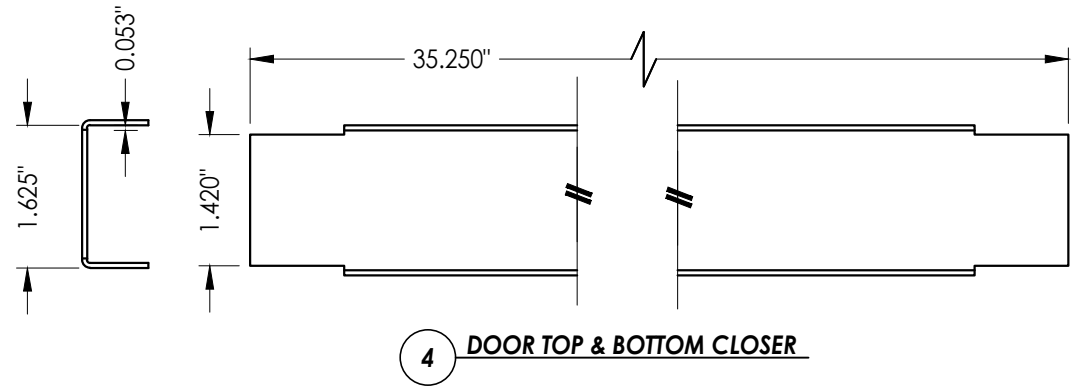
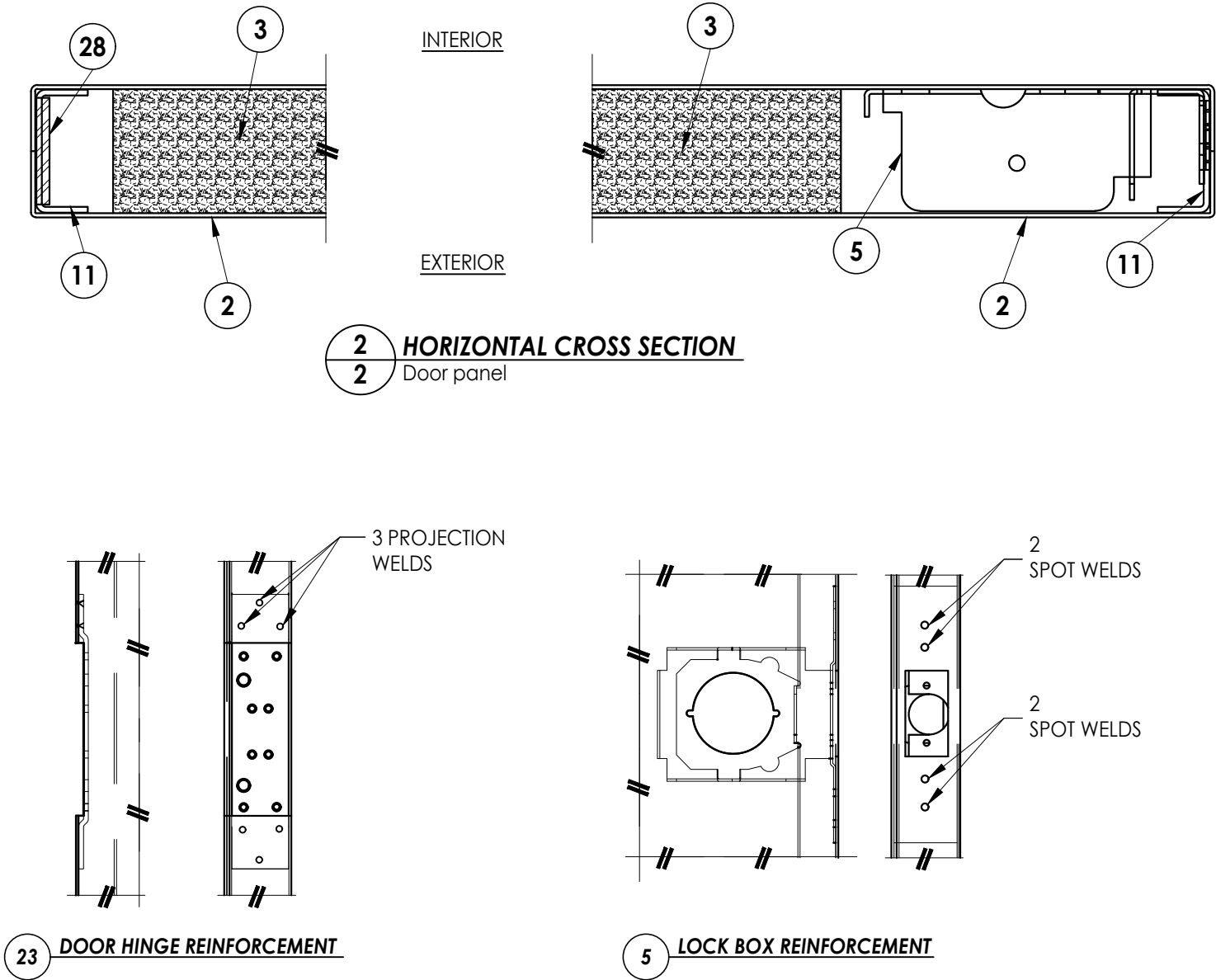
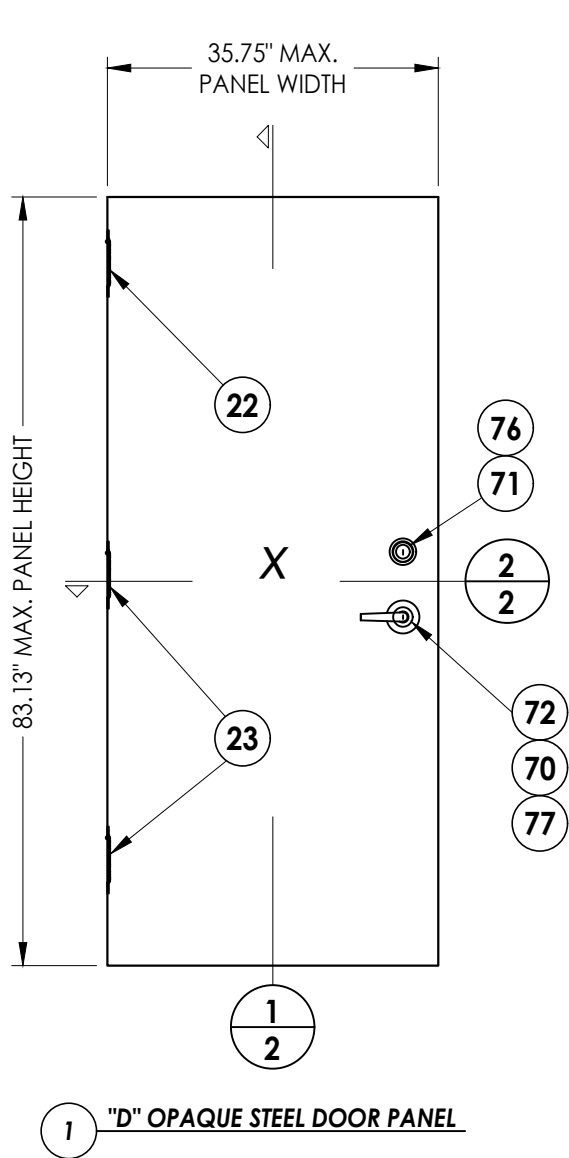
PRODUCT:
PREMIER PRODUCTS, INC.
"D" STEEL DOOR

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

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

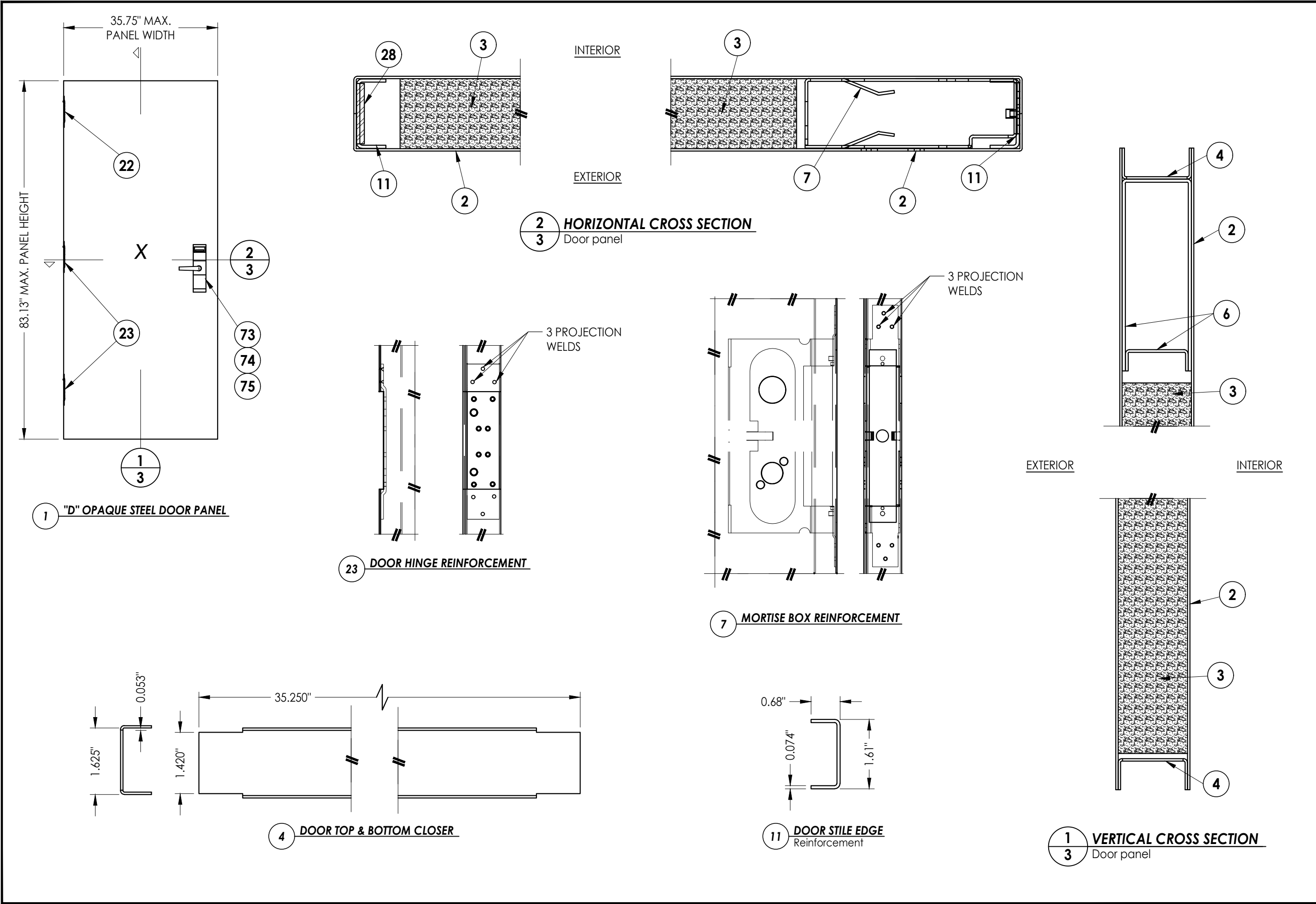
DATE: 11/10/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-41788.16
SHEET 1 OF 11

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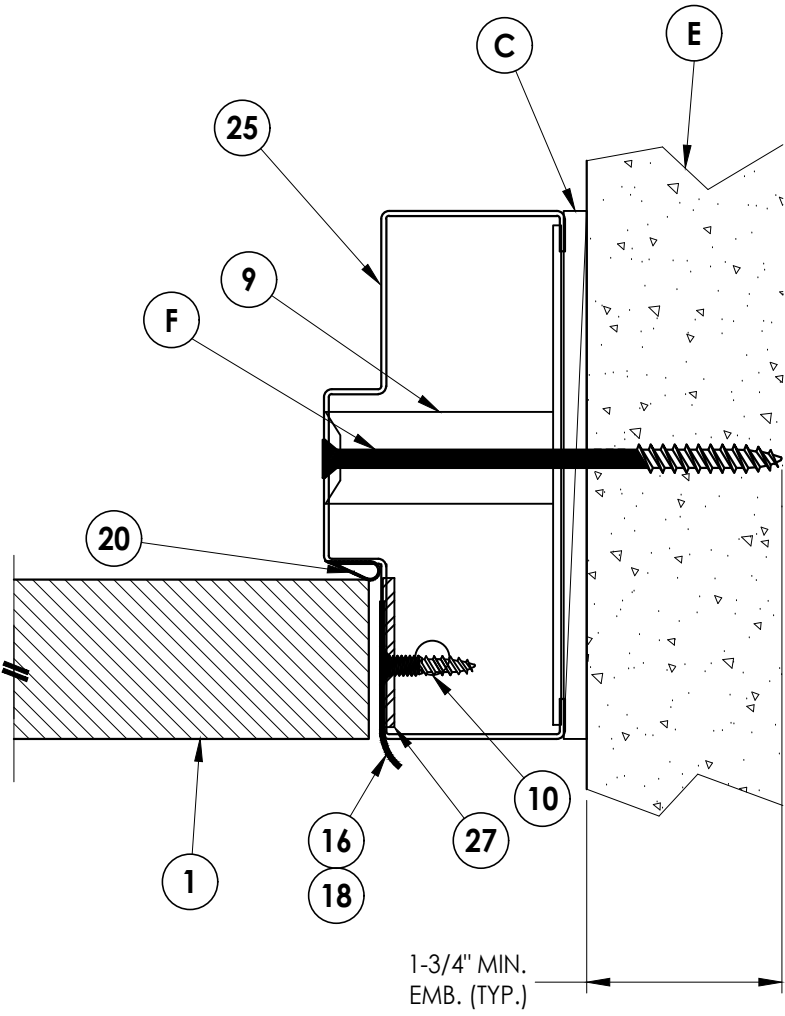
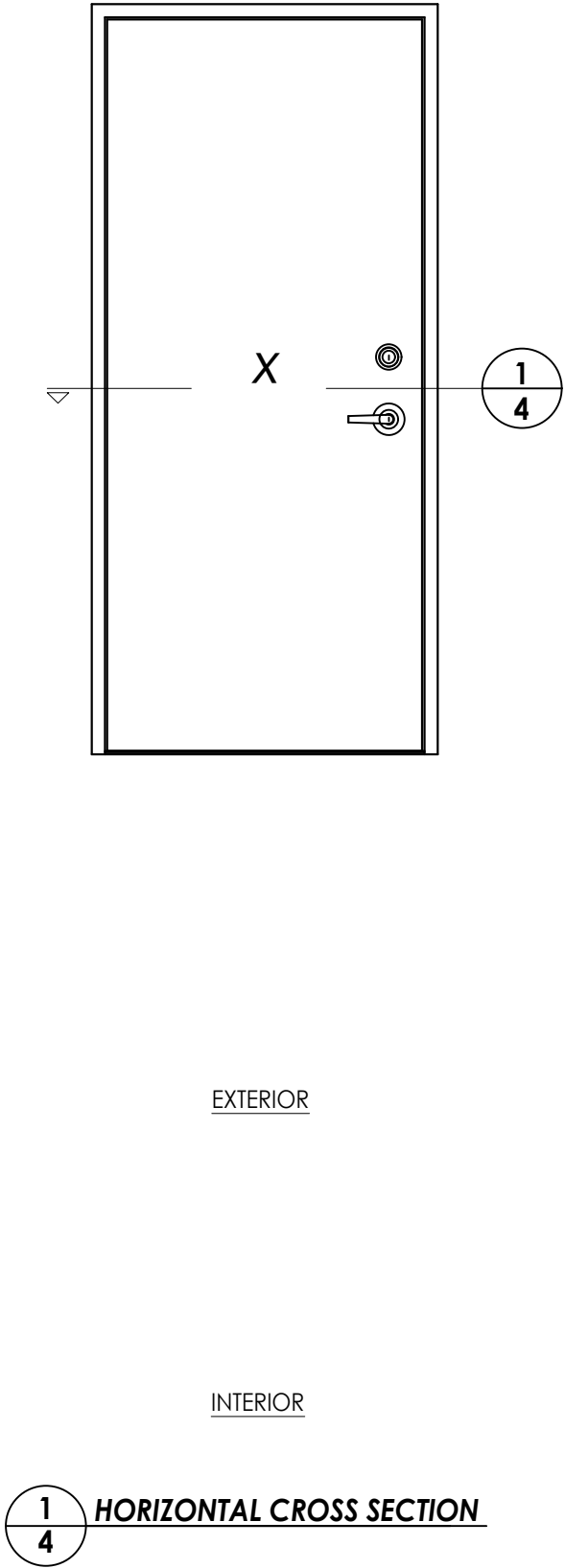
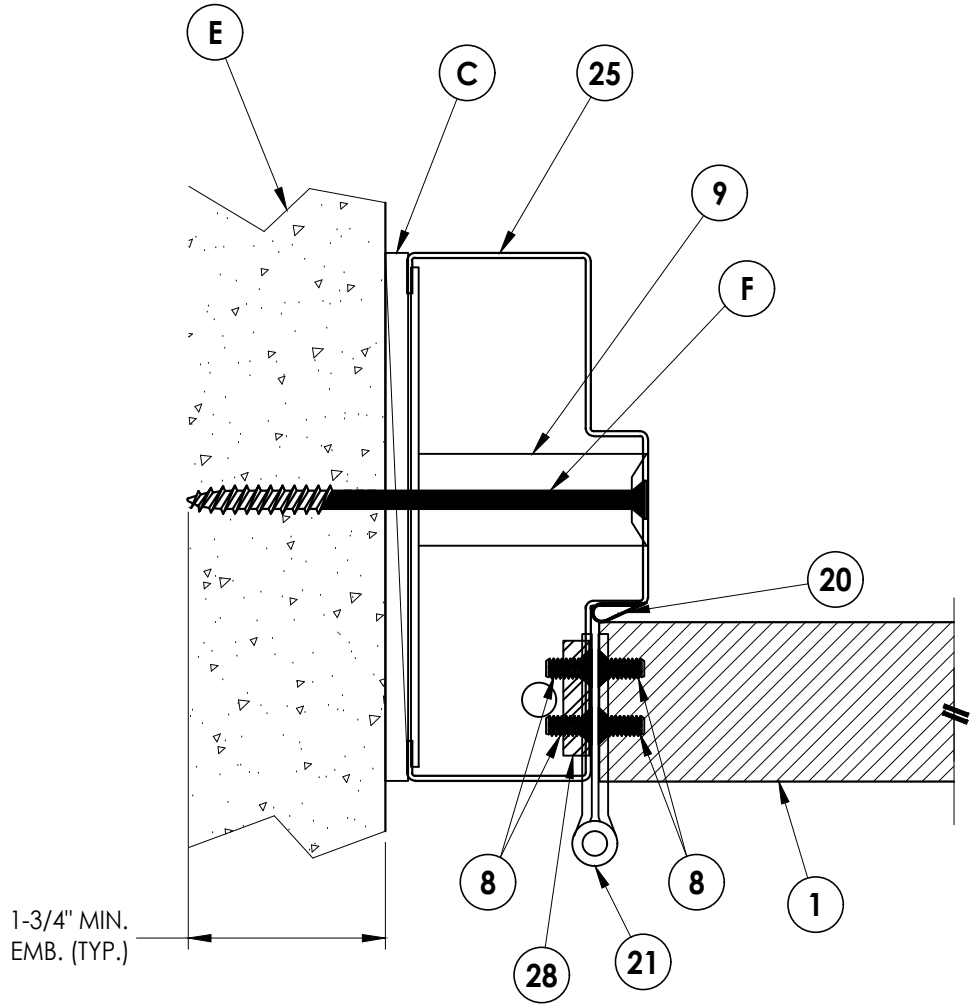
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL SECTIONS 161 LOCK PREP					
				LFS	FBC	REVISIONS	
				2	7/02/26	UPDATE TO 9TH ED. (2026)	
				1	8/21/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.16							
SHEET 2 OF 11							

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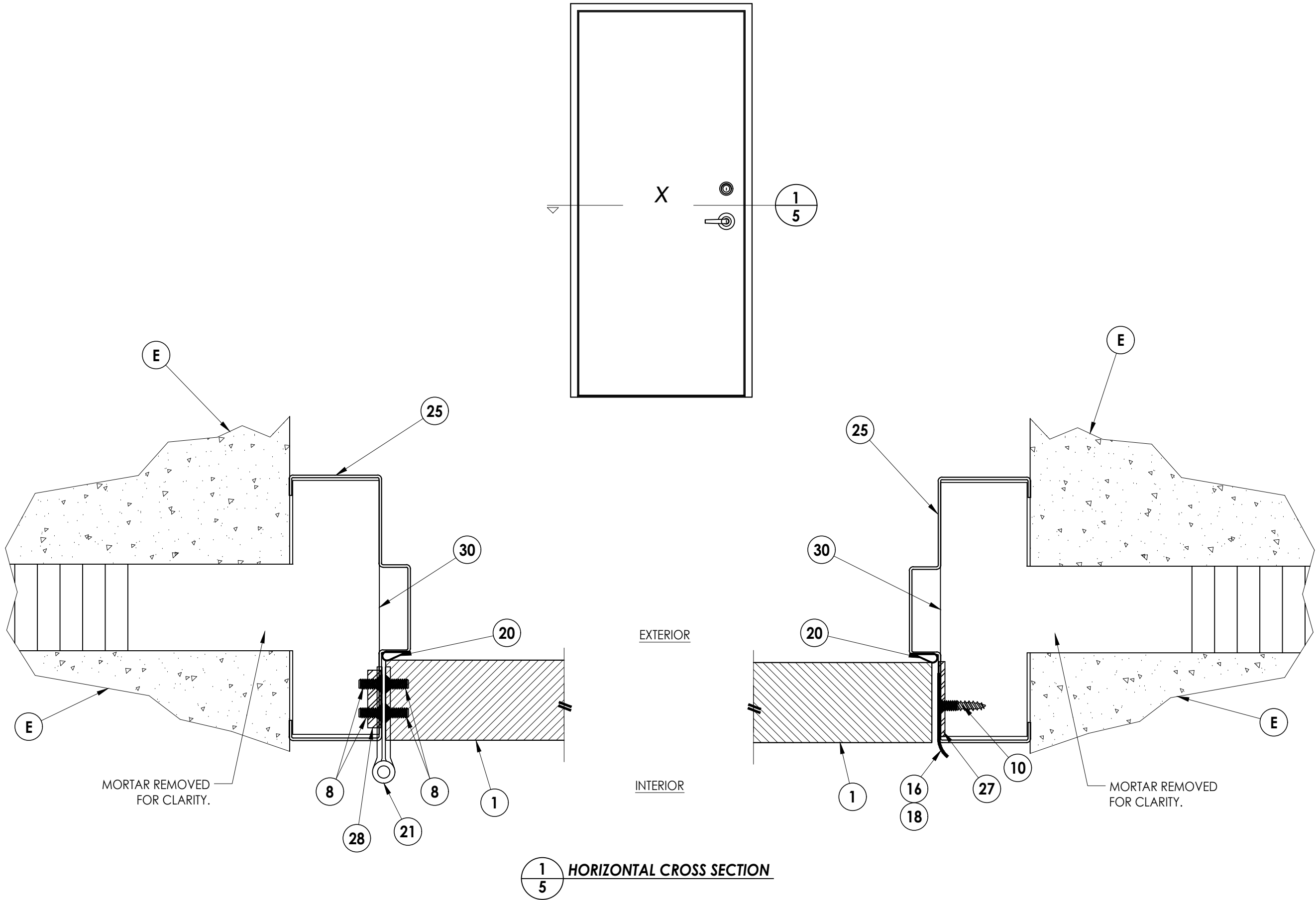
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PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR				PART OR ASSEMBLY: DOOR PANEL SECTIONS 86E MORTISE LOCK PREP			
				2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
				1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
				NO.	DATE		BY
REVISIONS							
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.16							
SHEET 3 OF 11							

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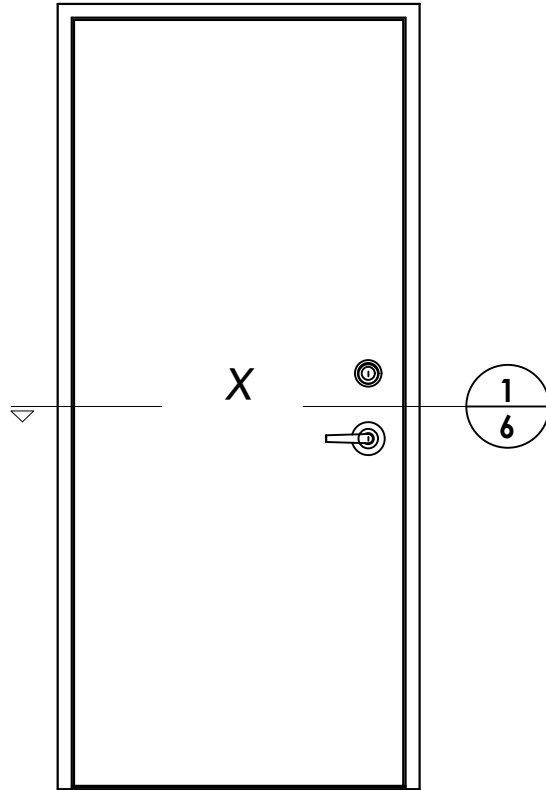


DATE: 11/10/22		PRODUCT:		PREMIER PRODUCTS, INC.		DOCUMENTS PREPARED BY:	
SCALE: N.T.S.				"D" STEEL DOOR		Lyndon F. Schmidt	
DWG. BY: LFS						P.E. No. 43409	
CHK. BY: RW							

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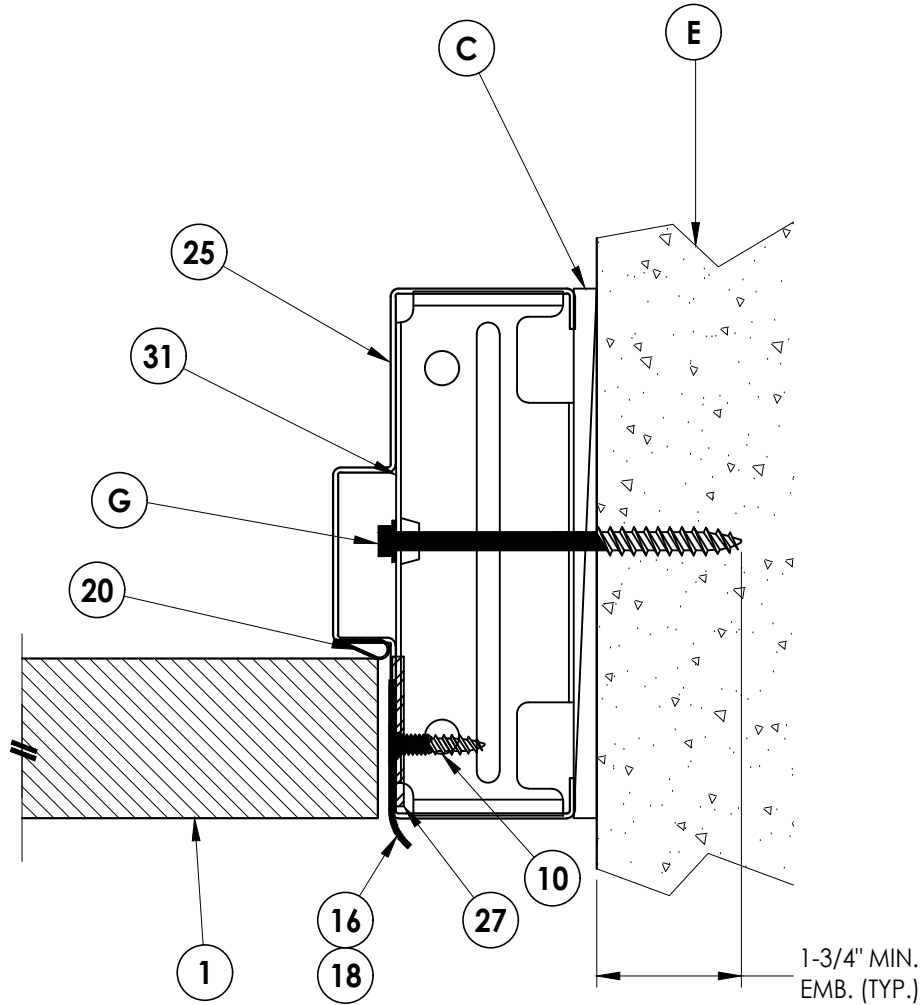


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PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
				LFS	FBC	REVISIONS	
				2	7/02/26	UPDATE TO 9TH ED. (2026)	
				1	8/21/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 11/10/22							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41788.16							
SHEET 5 OF 11							



EXTERIOR

INTERIOR

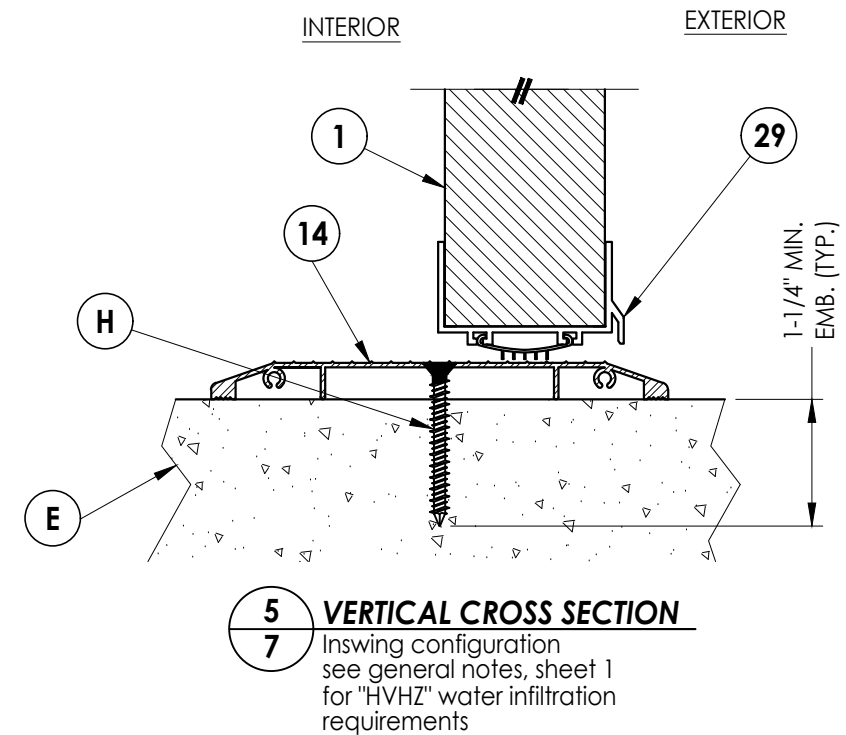


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1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
NO.	DATE			BY		
				REVISIONS		
DATE: 11/10/22						
SCALE: N.T.S.						
DWG. BY: LFS						
CHK. BY: RW						
DRAWING NO.: FL-41788.16						
SHEET 6 OF 11						

PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

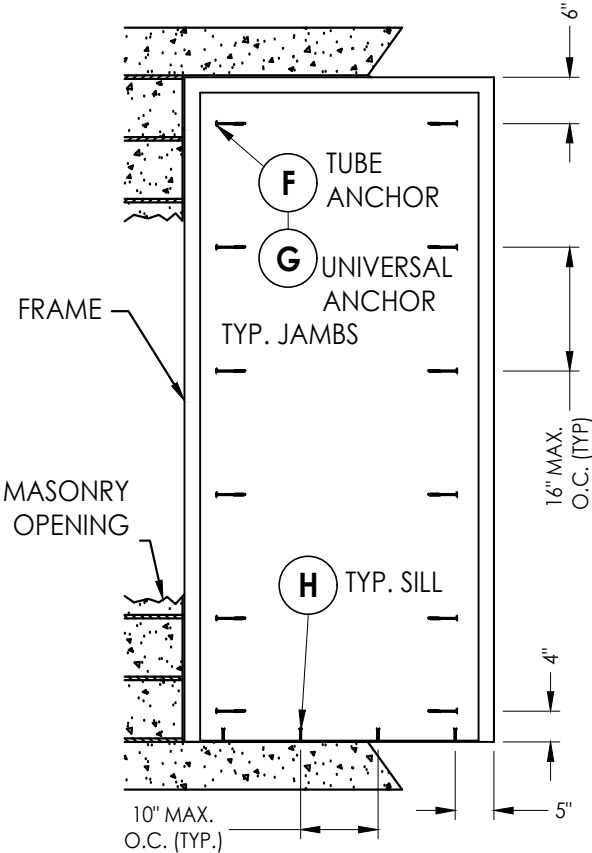
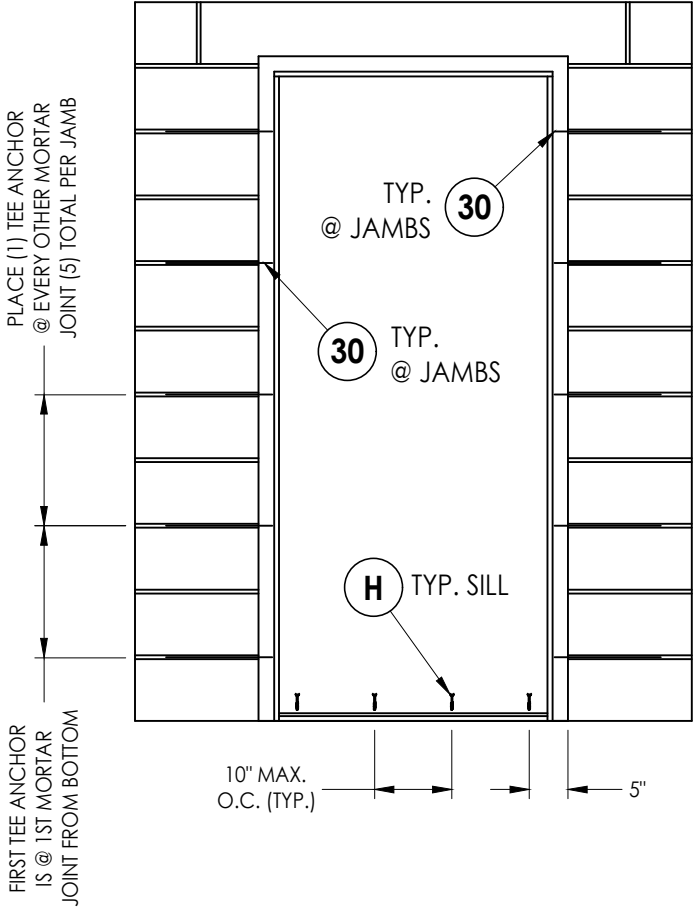
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPERegistry No. 9813



DATE: 11/10/22		PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41788.16			
SHEET 7 OF 11			
		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC
NO.	DATE		BY
		REVISIONS	

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CONCRETE ANCHOR NOTES:

- 1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- 3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
ITW TAPCON® XL	5/16"	1-3/4"	2-1/2"	5"
DeWALT ULTRACON®	5/16"	1-3/4"	3-1/8"	5"

- 4. Embedment may be through 1-1/4" face shell of hollow block.

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PREMIER PRODUCTS, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41788.16

SHEET 8 OF 11

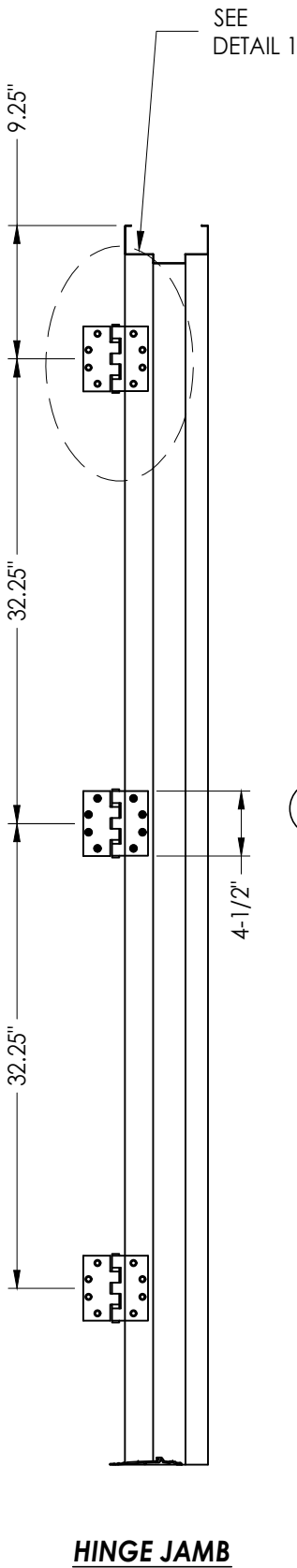
REVISIONS

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

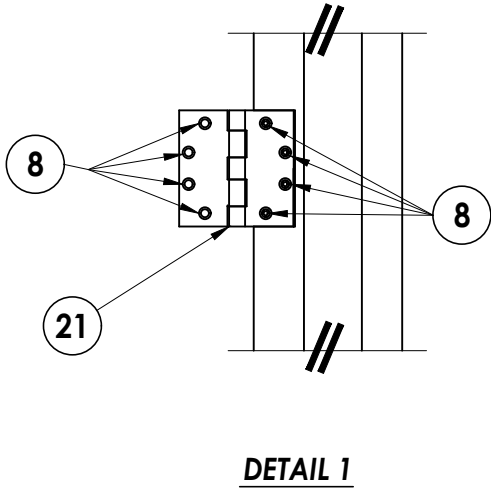
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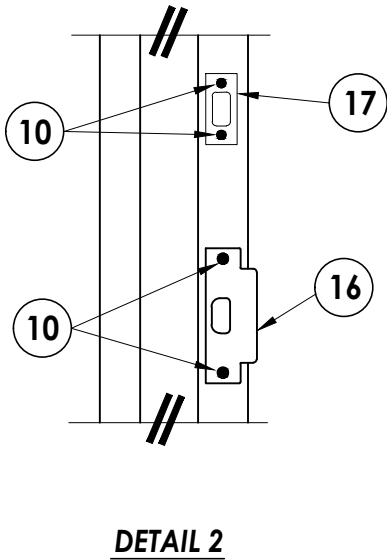
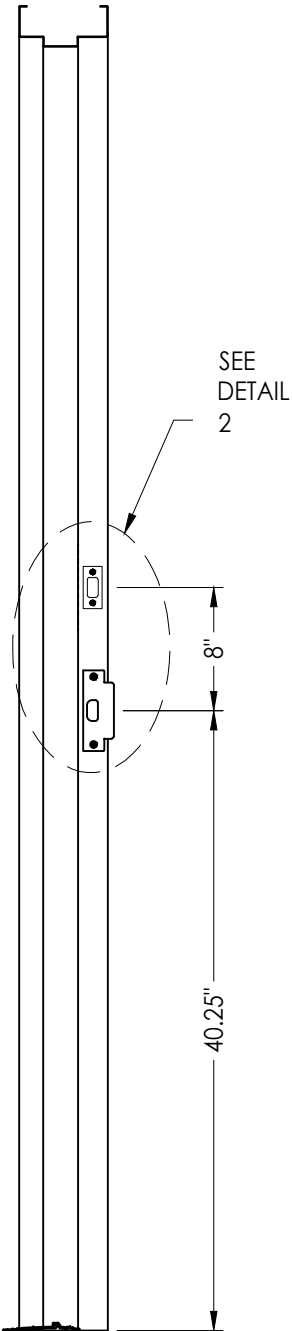
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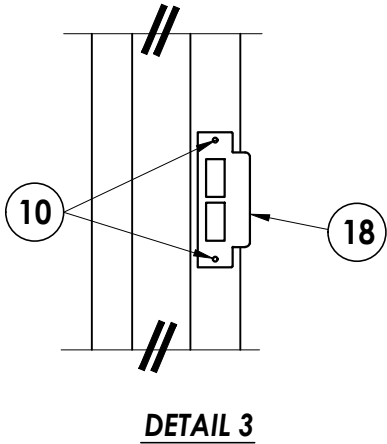
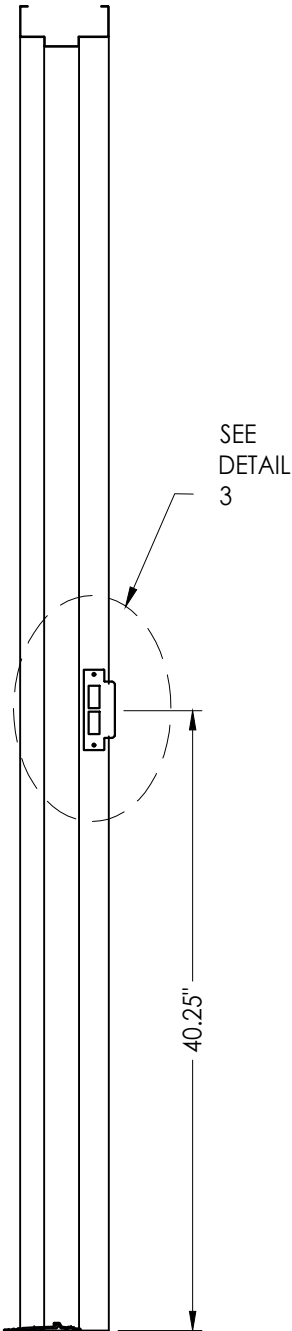
HINGE JAMB



STRIKE JAMB
ANSI STRIKE & DEADBOLT STRIKE



STRIKE JAMB
MORTISE STRIKE



DATE: 11/10/22	
SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-41788.16	
SHEET 9	OF 11

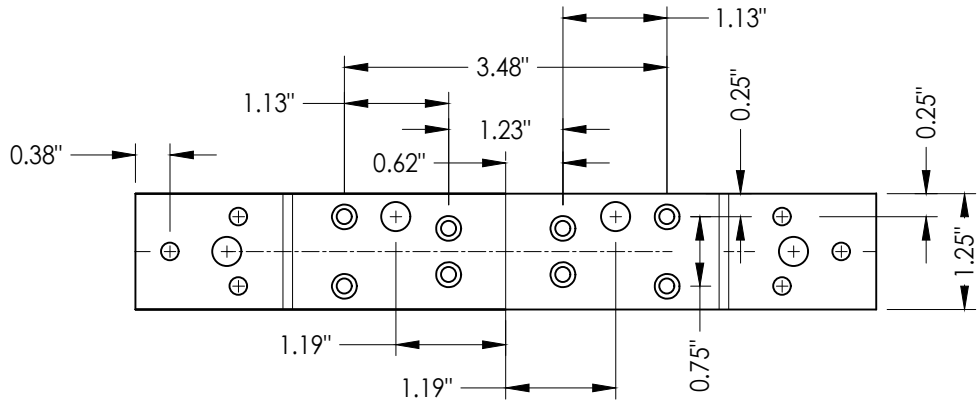
REVISIONS	
NO.	DATE
2	7/02/26
1	8/21/23

PRODUCT: PREMIER PRODUCTS, INC. "D" STEEL DOOR	
PART OR ASSEMBLY: ANCHORING DETAILS	

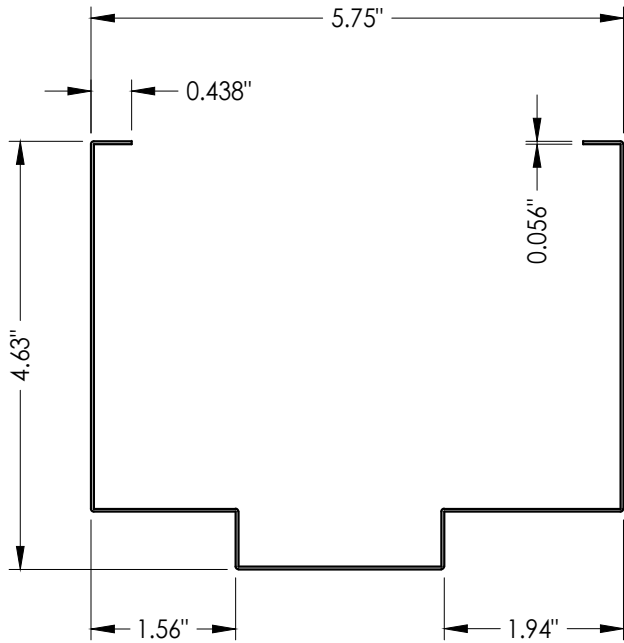
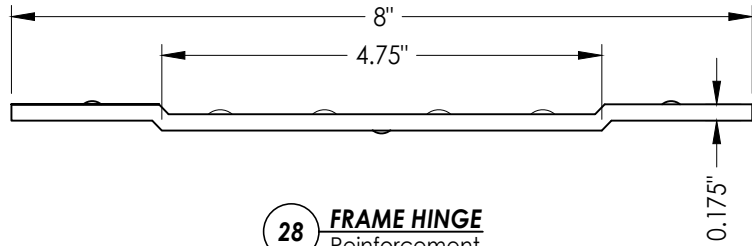
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**BUILDING CONSULTANTS, INC.**
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Phone No.: 813.659.9197
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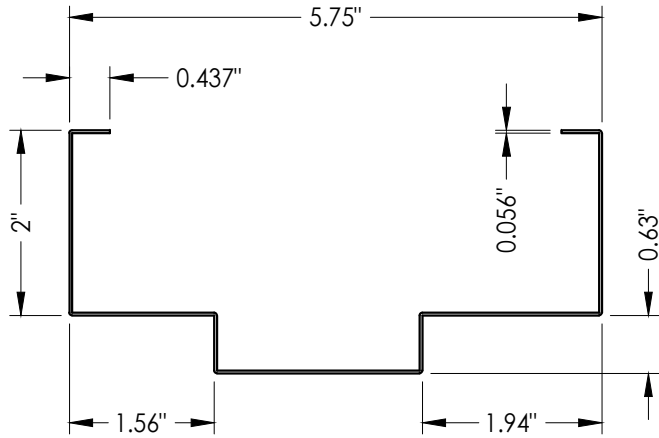
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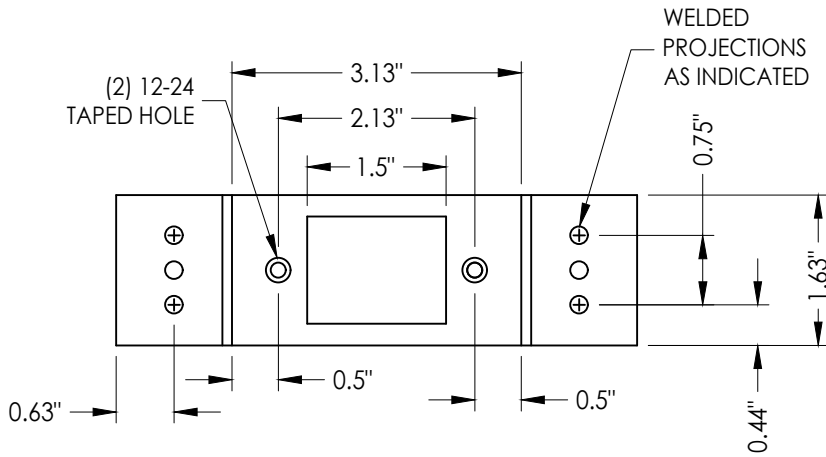
28 FRAME HINGE
Reinforcement



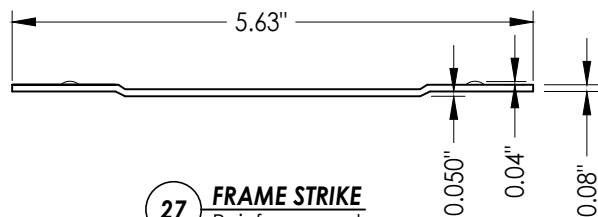
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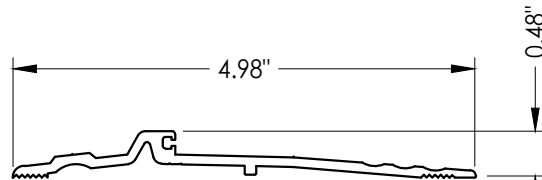
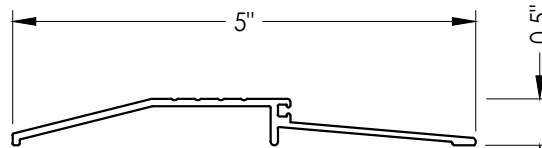
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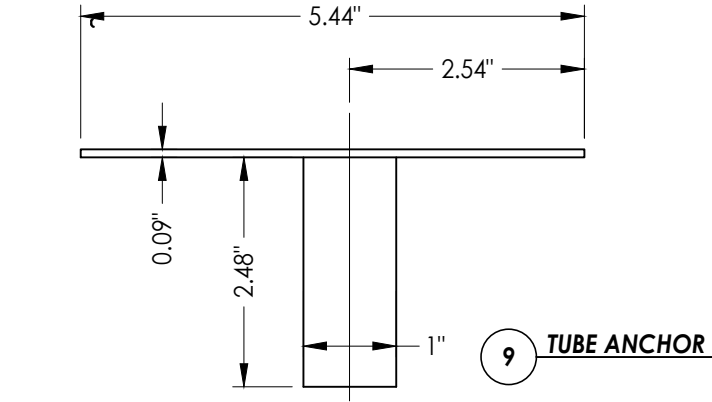
27 FRAME STRIKE
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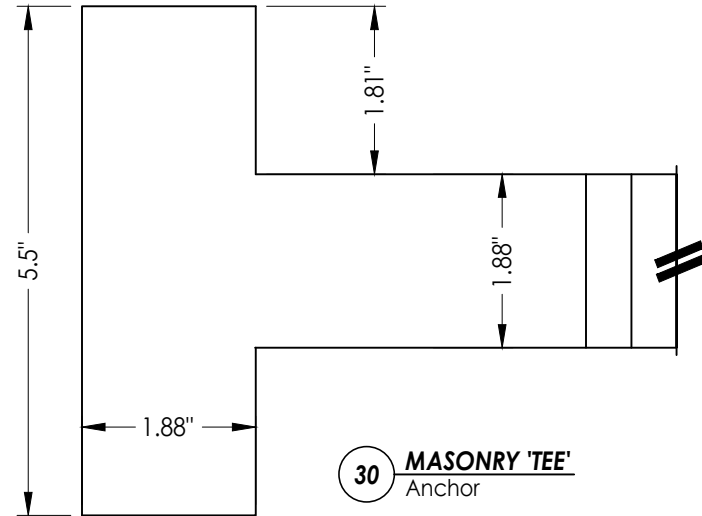
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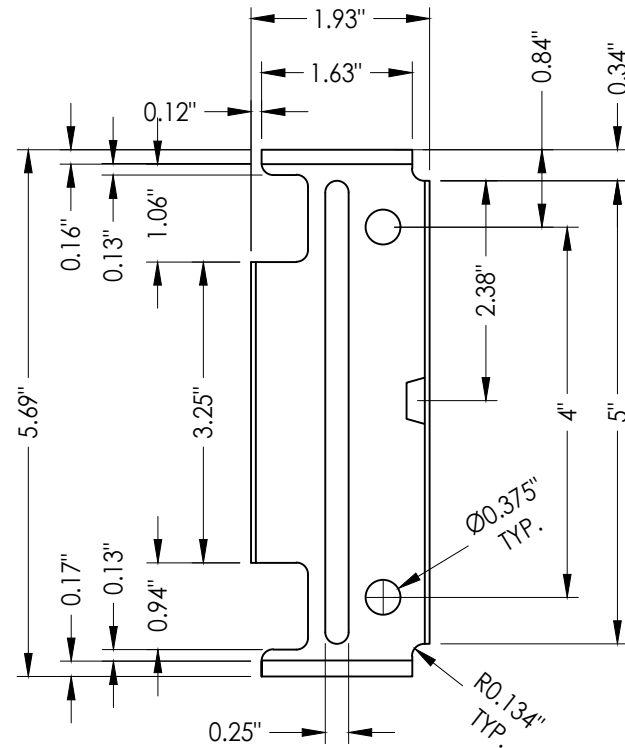
40 THRESHOLD



9 TUBE ANCHOR



30 MASONRY 'TEE' Anchor



31 UNIVERSAL WALL ANCHOR

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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

PART OR ASSEMBLY:
COMPONENTS

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

CHK. BY: RW

DRAWING NO.: FL-41788.16

SHEET 10 OF 11

