

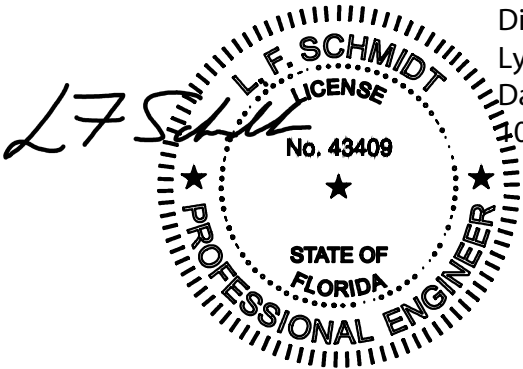


"PS" COMMERCIAL STEEL DOOR
w/ RIM PANIC SURFACE VERTICAL RODS
OUTSWING
"IMPACT"

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 Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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

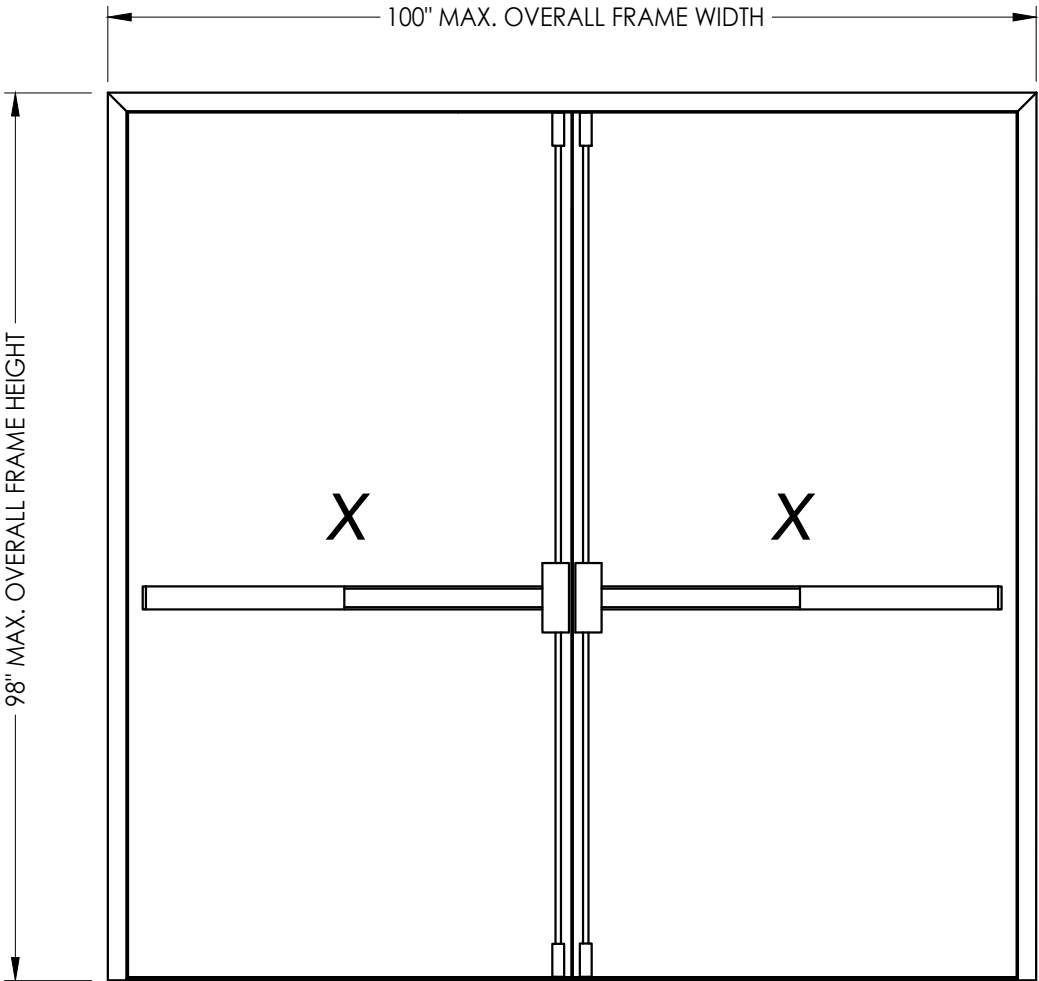


Digitally signed by
Lyndon F Schmidt
Date: 2024.11.13
10:22:05 -05'00'

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



Panic Bar Exit Device w/ Vertical Rods
"PDQ 6300V & 6400V Series"

CONFIGURATION	MAX FRAME DIMENSION	DOOR	LOCK TYPE	DESIGN PRESSURE (PSF)	
				OUTSWING	
				POSITIVE	NEGATIVE
DOUBLE	100.0" x 98.0"	18 GA.	6300V & 6400V SERIES	+50.0	-50.0

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

PRODUCT:
MPI
COMMERCIAL STEEL DOOR

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

DATE: 4/12/23

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-40948.2

SHEET 1 OF 8

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

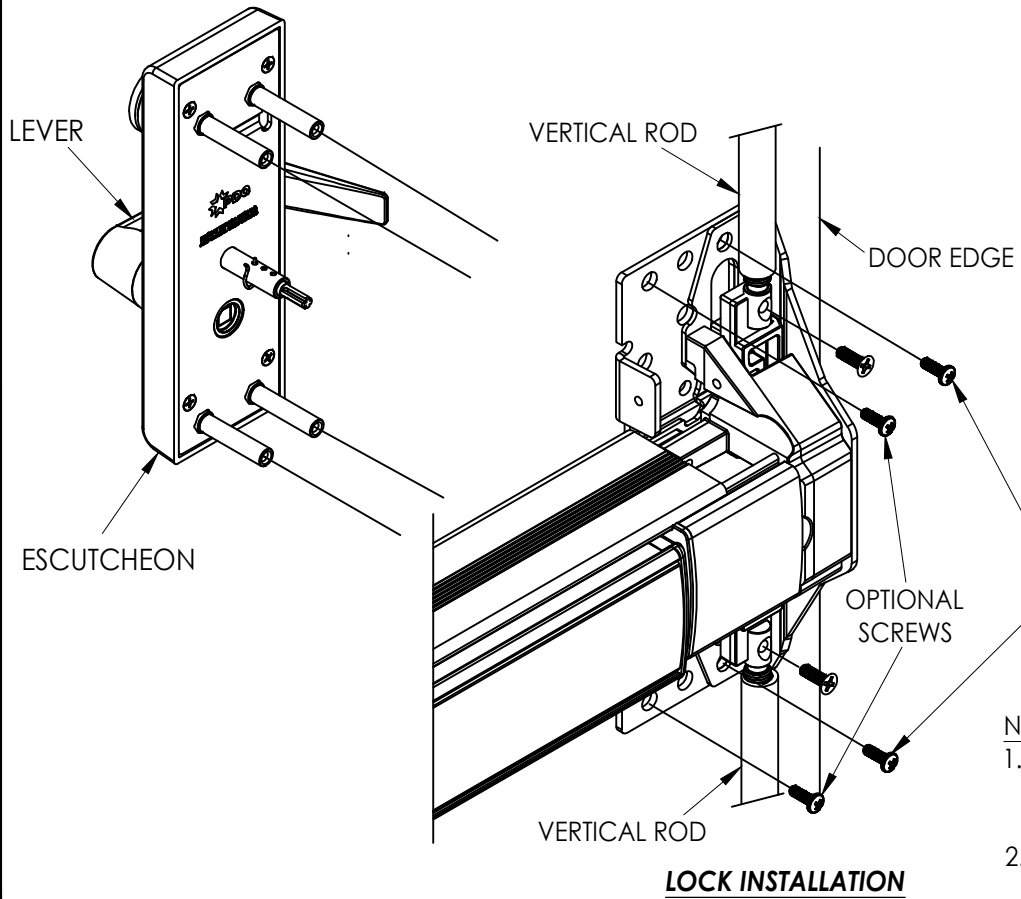
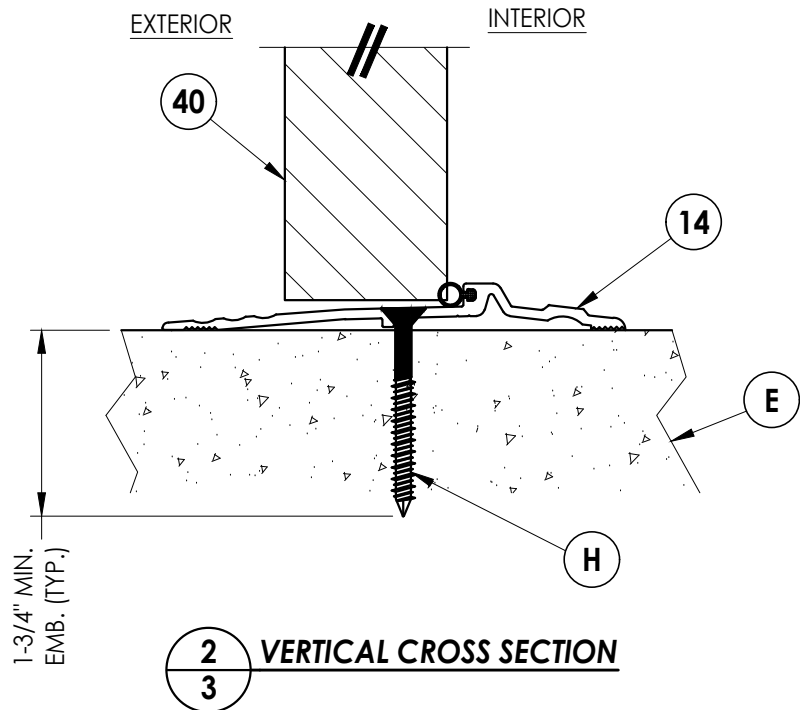
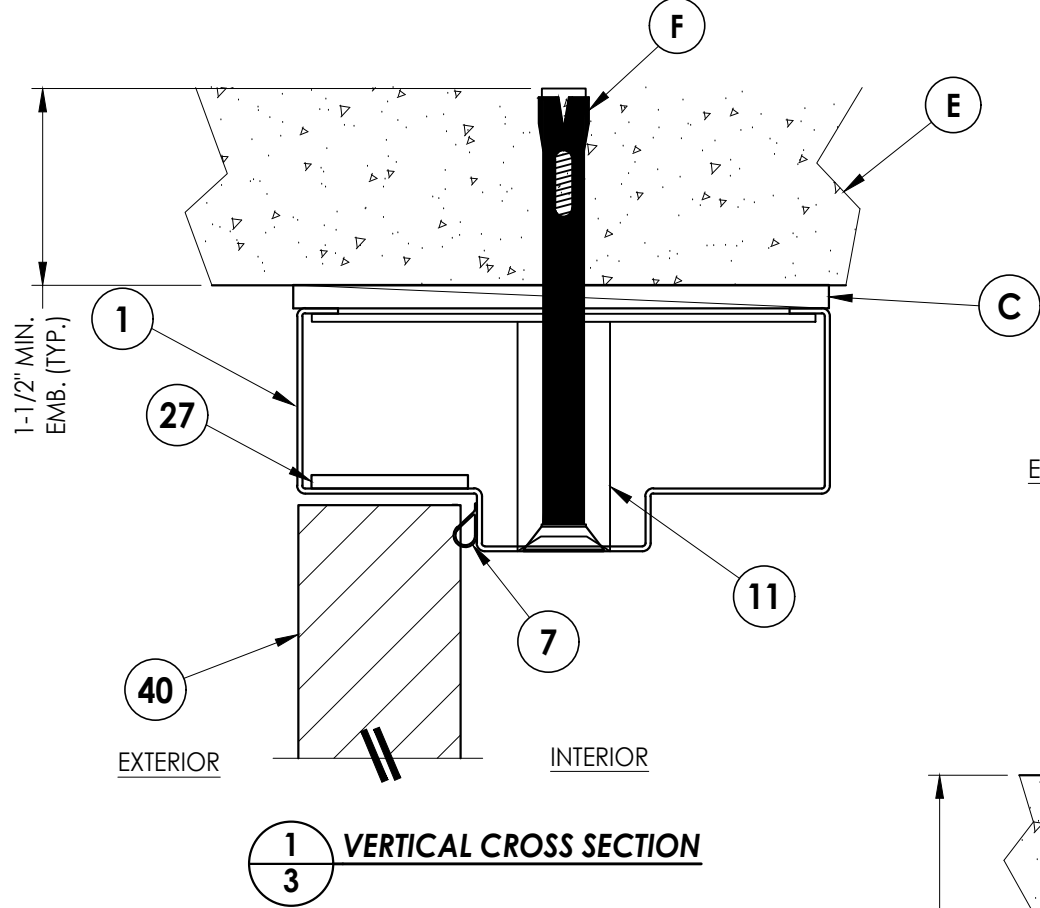
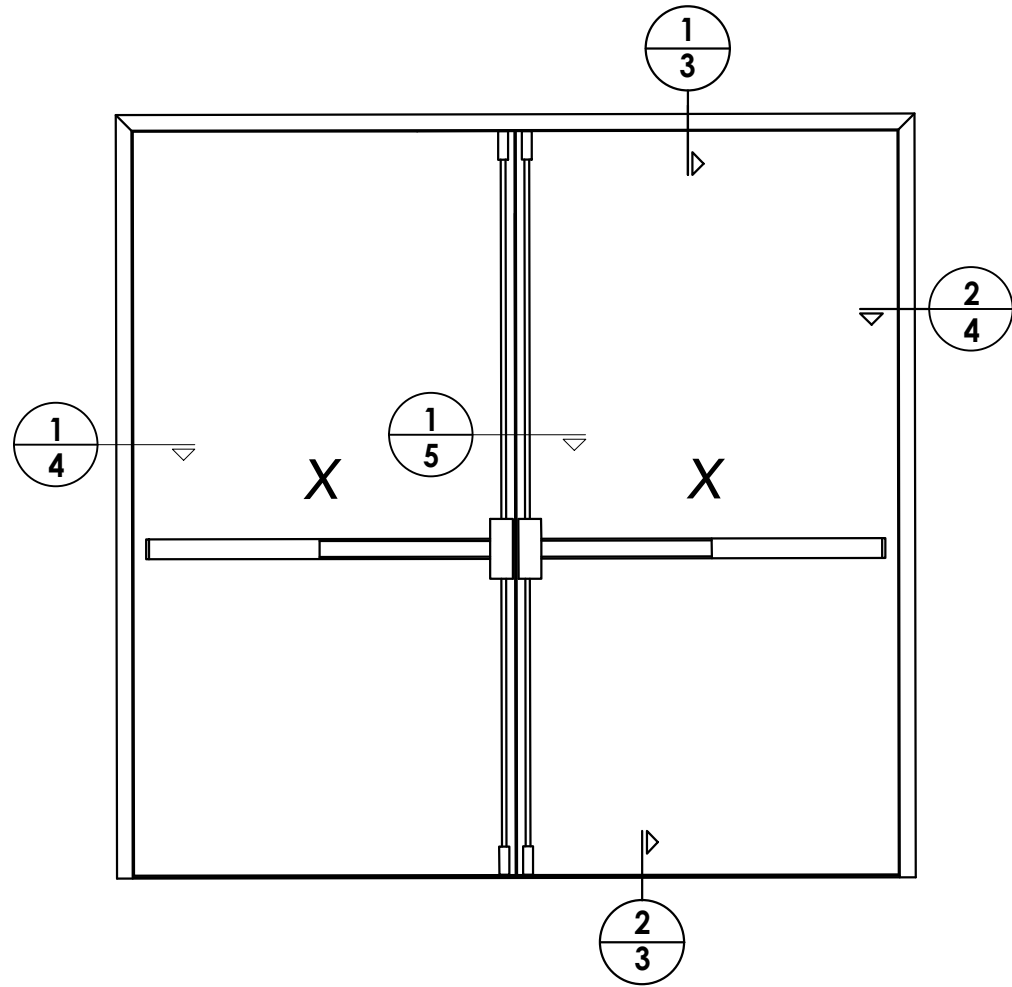
REVISIONS

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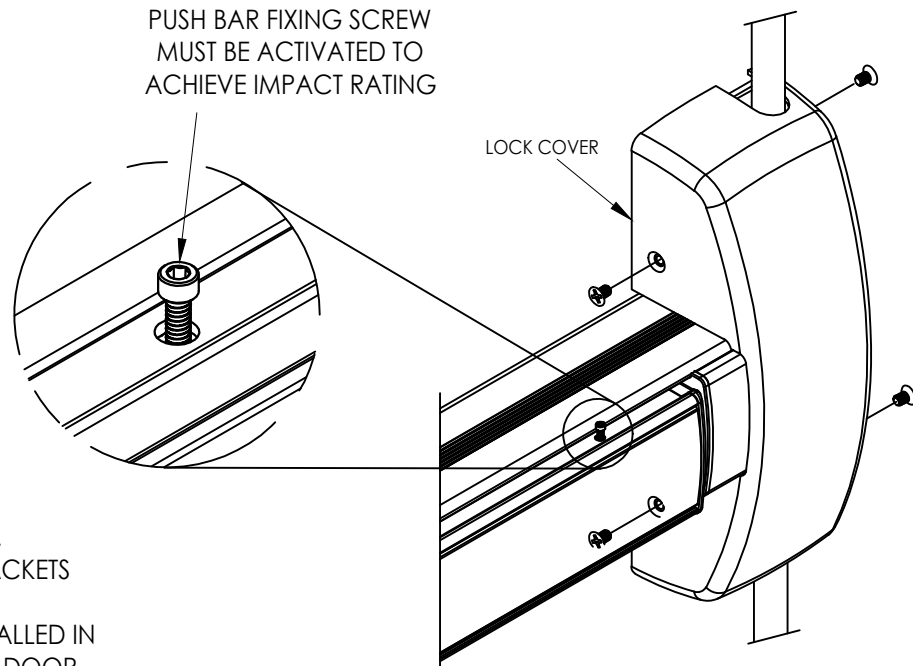


REFER TO PDQ FLORIDA PRODUCT APPROVAL FL-40297.4 FOR ALL INSTALLATION DETAILS NOT SHOWN FOR 6300V & 6400V SERIES RIM PANIC EXIT DEVICES w/ VERTICAL RODS.

CHASIS ASSEMBLY INSTALLATION REQUIRES (2) 1/4-20 X 5/8" MS MINIMUM INSTALLED IN THE LEADING EDGE HOLES CLOSEST TO THE LATCH EDGE OF THE DOOR.

NOTES:

1. DESIGN PRESSURE RATING REQUIRES THE USE OF SEX BOLTS/NUTS. THE RIM PANIC DEVICE & VERTICAL ROD LATCH MOUNTING BRACKETS CANNOT BE SURFACE MOUNTED (THROUGH BOLTS REQUIRED).
2. ONLY (2) SEX BOLTS/NUTS ARE REQUIRED, BUT THEY MUST BE INSTALLED IN THE LEADING EDGE HOLES CLOSEST TO THE LATCH EDGE OF THE DOOR.



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PRODUCT: MPI
COMMERCIAL STEEL DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
1	8/09/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 4/12/23

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-40948.2

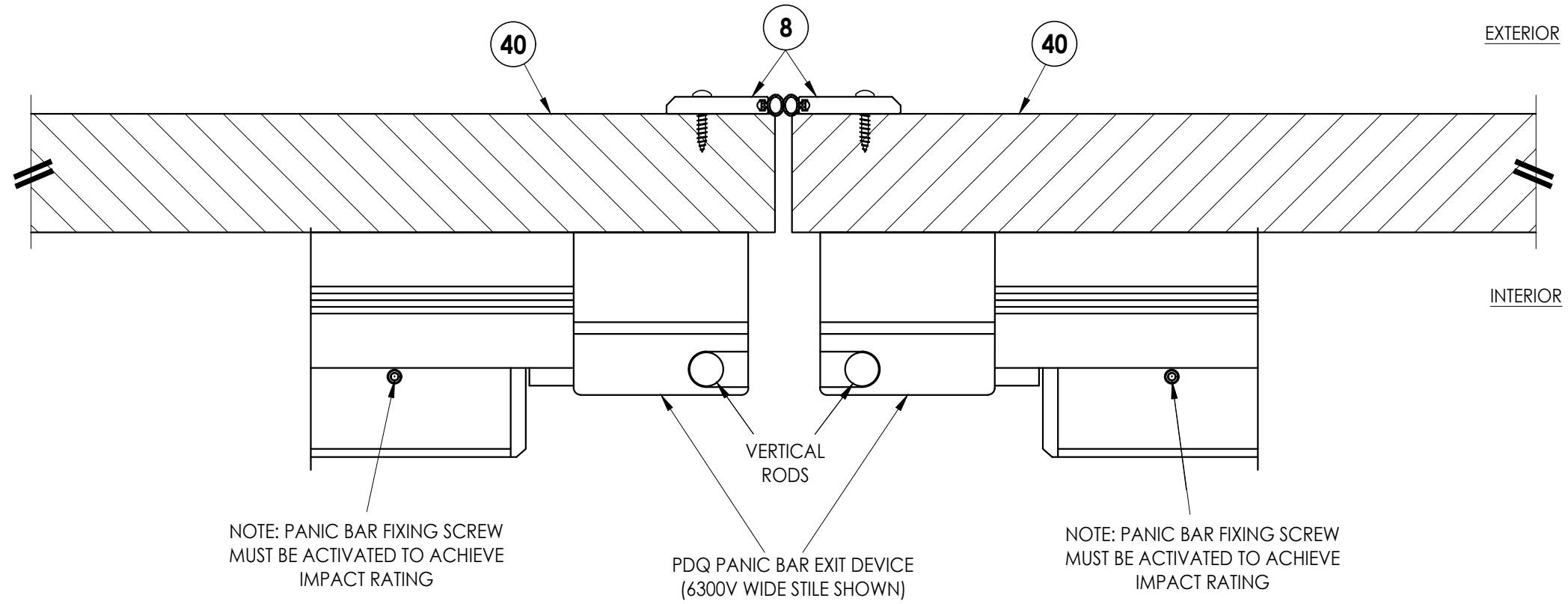
SHEET 3 OF 8

Figure 1 is a cross-sectional diagram of a window assembly, showing the exterior and interior views. The diagram illustrates the relationship between the window frame (1), the sash (7), the glazing (20), and the surrounding structure (40). The exterior view shows the window frame (1) and the sash (7) with the glazing (20) in place. The interior view shows the window frame (1) and the sash (7) with the glazing (20) removed, revealing the internal structure (40). The diagram is labeled with "EXTERIOR" and "INTERIOR" and includes a note "MORTAR REMOVED FOR CLARITY".

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[illegible]



1 **HORIZONTAL CROSS SECTION**
5

[illegible]

DATE:	4/12/23
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-40948.2
SHEET	5 OF 8

PRODUCT:

**MPI
COMMERCIAL STEEL DOOR**

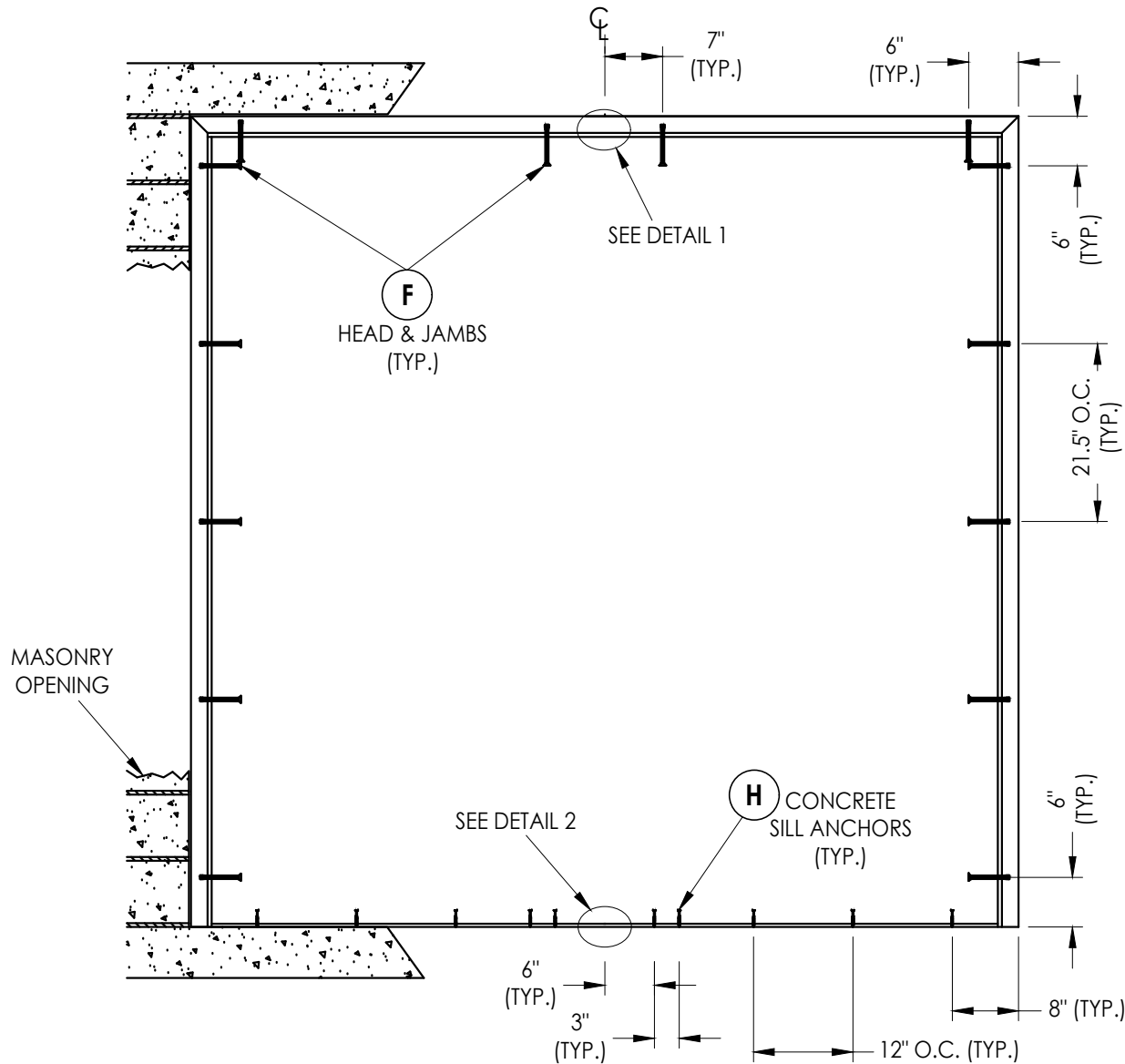
PART OR ASSEMBLY:

HORIZONTAL
CROSS SECTIONS

Documents Prepared By:
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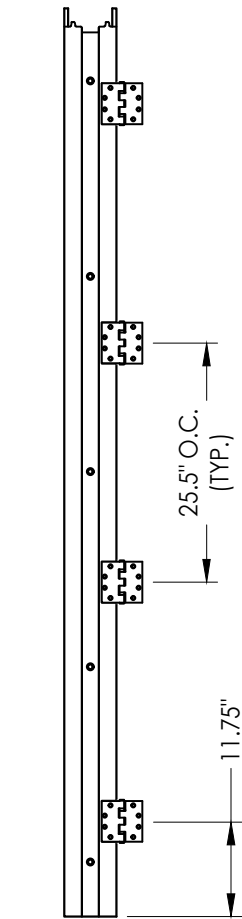
FRAME ANCHORING
Masonry Construction
Concrete Anchors

CONCRETE ANCHOR NOTES:

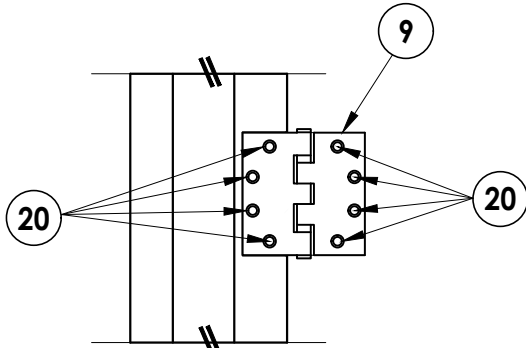
1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" 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	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	2"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

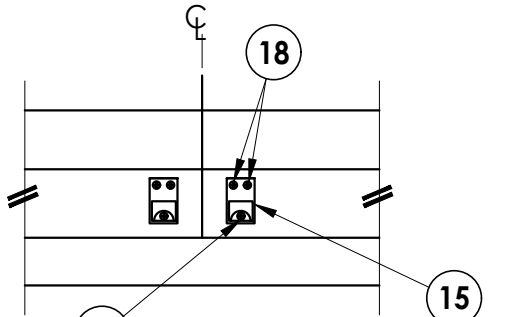
4. Embedment may be through 1-1/4" face shell of hollow block.



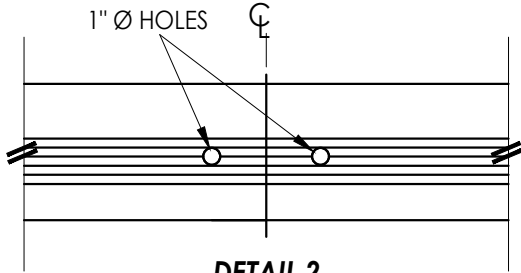
HINGE JAMB



HINGE DETAIL



DETAIL 1
Vertical Rod Strike Plates
@ Head



DETAIL 2
Vertical Rod Holes
@ Sill

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

PRODUCT:
MPI
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
1	8/09/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 4/12/23

SCALE: N.T.S.

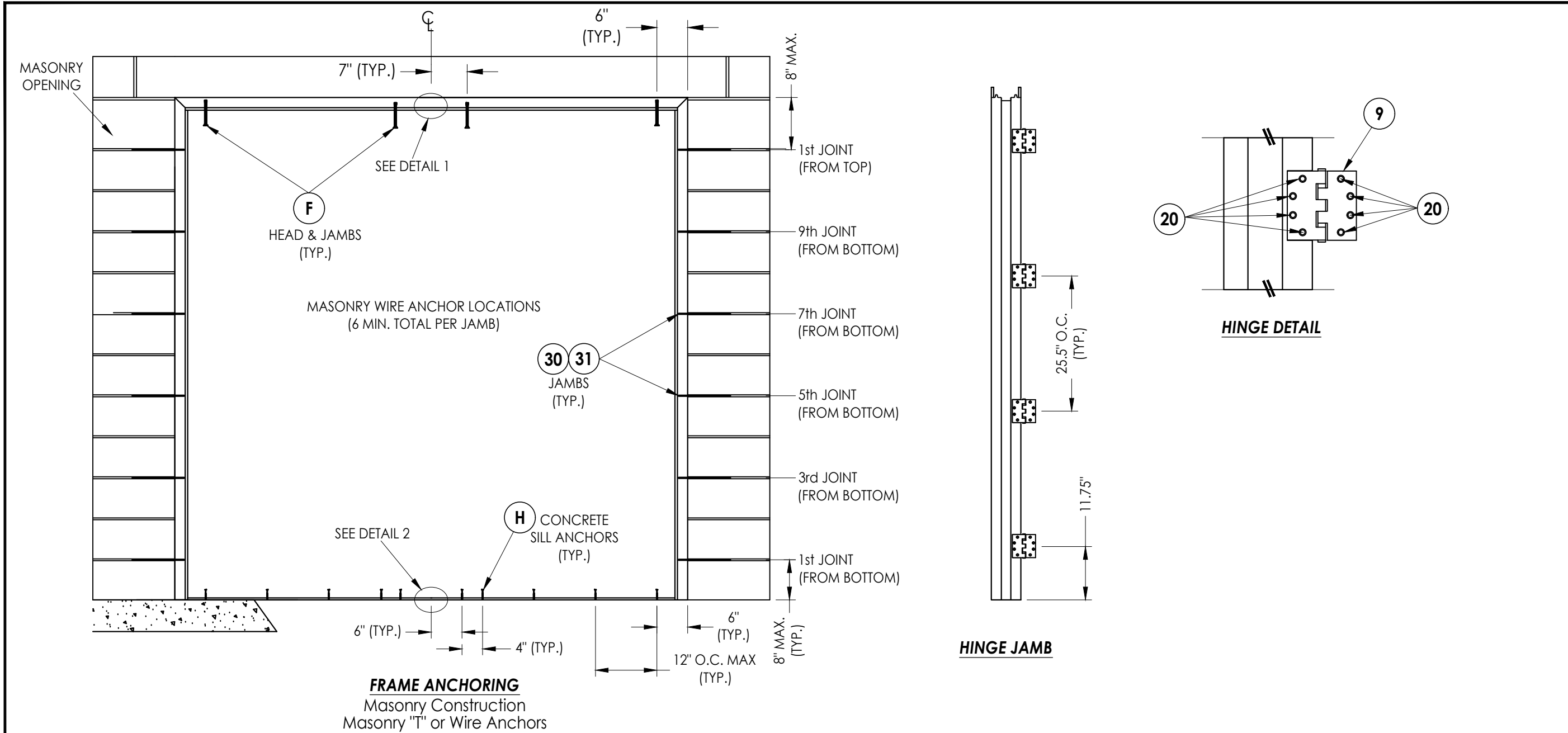
DWG. BY: LFS

CHK. BY: RW

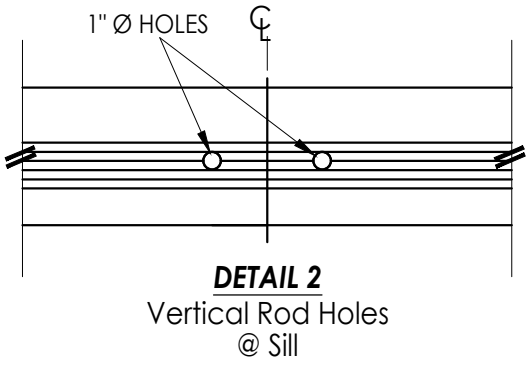
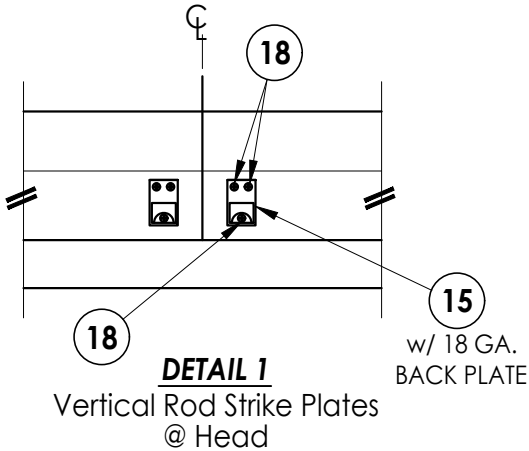
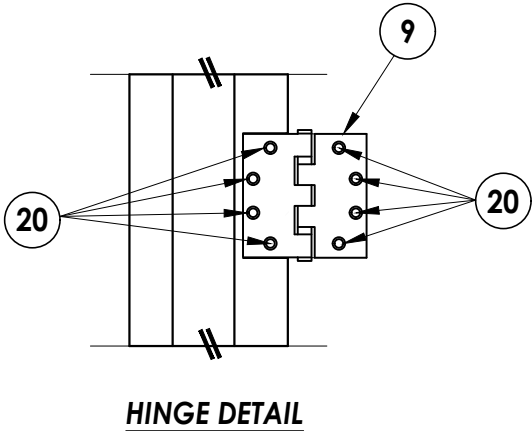
DRAWING NO.:
FL-40948.2

SHEET 6 OF 8

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HINGE JAMB



CONCRETE 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.
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DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

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

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 LYFABE Registry No. E98163 43409	
PRODUCT: MPI STEEL COMMERCIAL DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
		REVISIONS	
		1 8/09/23 UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
DATE: 4/12/23			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-40948.2			
SHEET 7 OF 8			

