

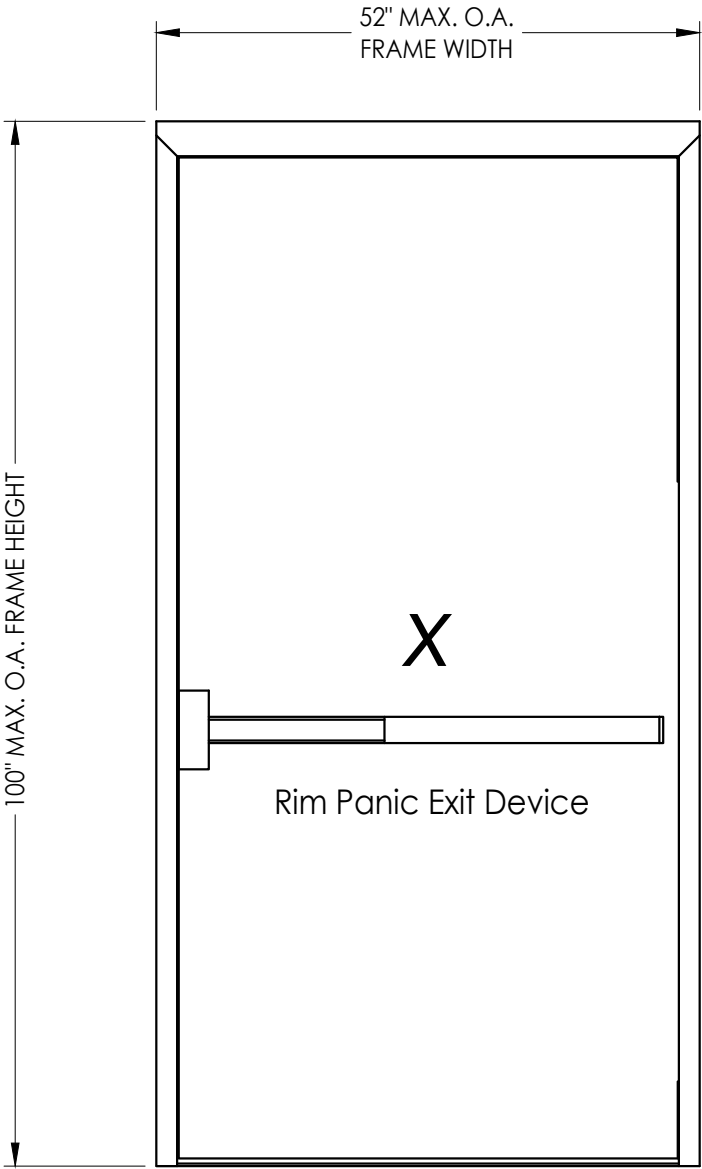


"PS" COMMERCIAL STEEL DOOR
OUTSWING
"IMPACT"

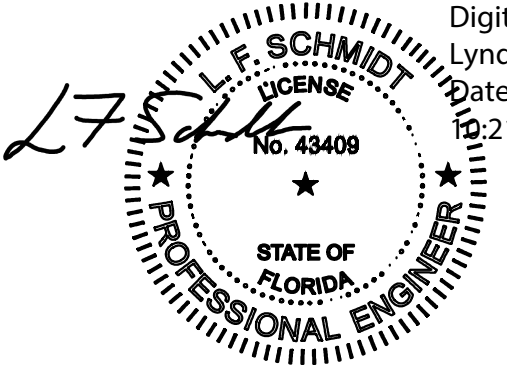
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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. When used in areas outside of the "HVHZ" 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product does not meet the water infiltration requirements for the "HVHZ" and 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.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6

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	Frame anchoring
6	Bill of materials & components



CONFIGURATION	MAX FRAME DIMENSION	DOOR	DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE
SINGLE	52.0" x 100.0"	18 GA.	+50.0	-50.0



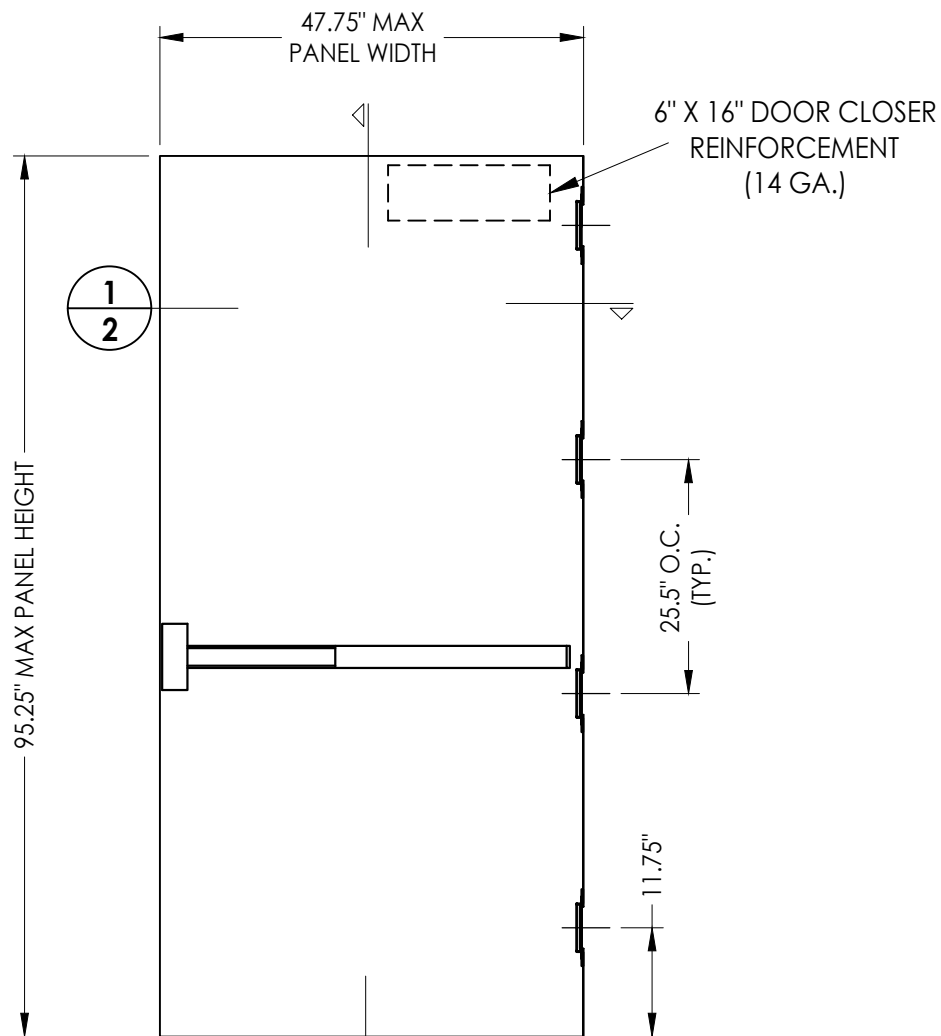
Digitally signed by
Lyndon F Schmidt
Date: 2024.11.13
12:21:51 -05'00'

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

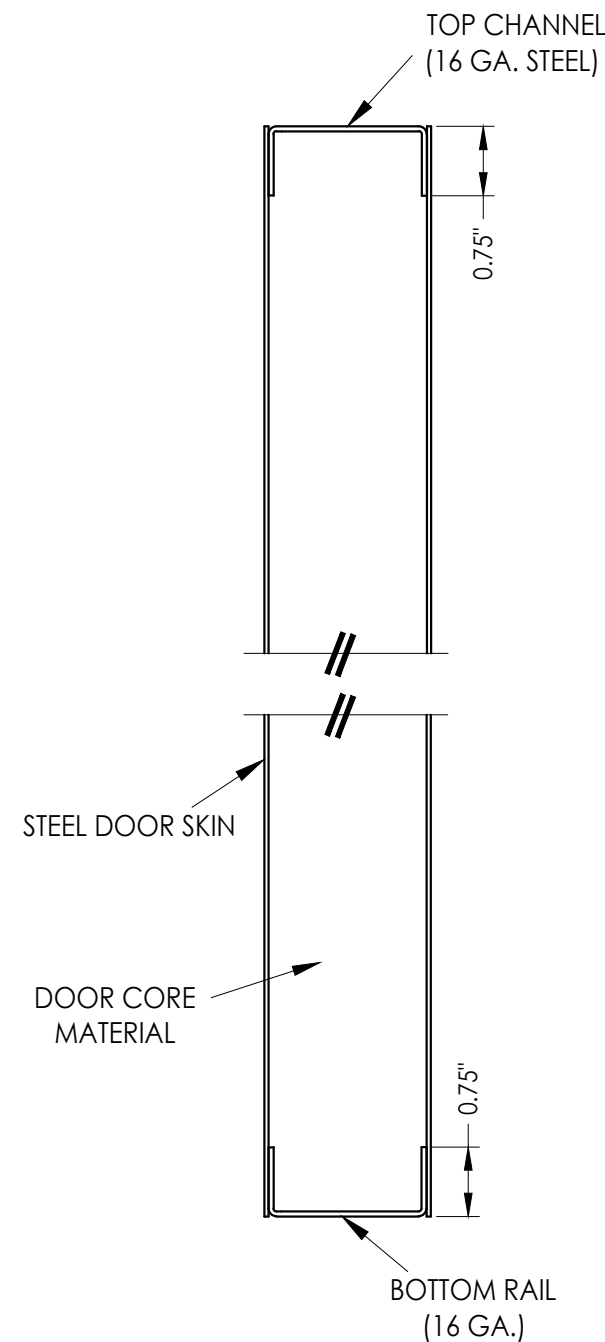
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MPI COMMERCIAL STEEL DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	

1 HORIZONTAL CROSS SECTION



STEEL DOOR SKIN (18 GA.): MIN. 0.046" THK. (Fy = 32800 PSI MIN.)
CORE MATERIAL: POLYSTYRENE - 1.0 PCF MIN. DENSITY

HARDWARE CHART	
MANUFACTURER	MODEL
PDQ	RIM PANIC EXIT DEVICE: 6300R/6300RF SERIES

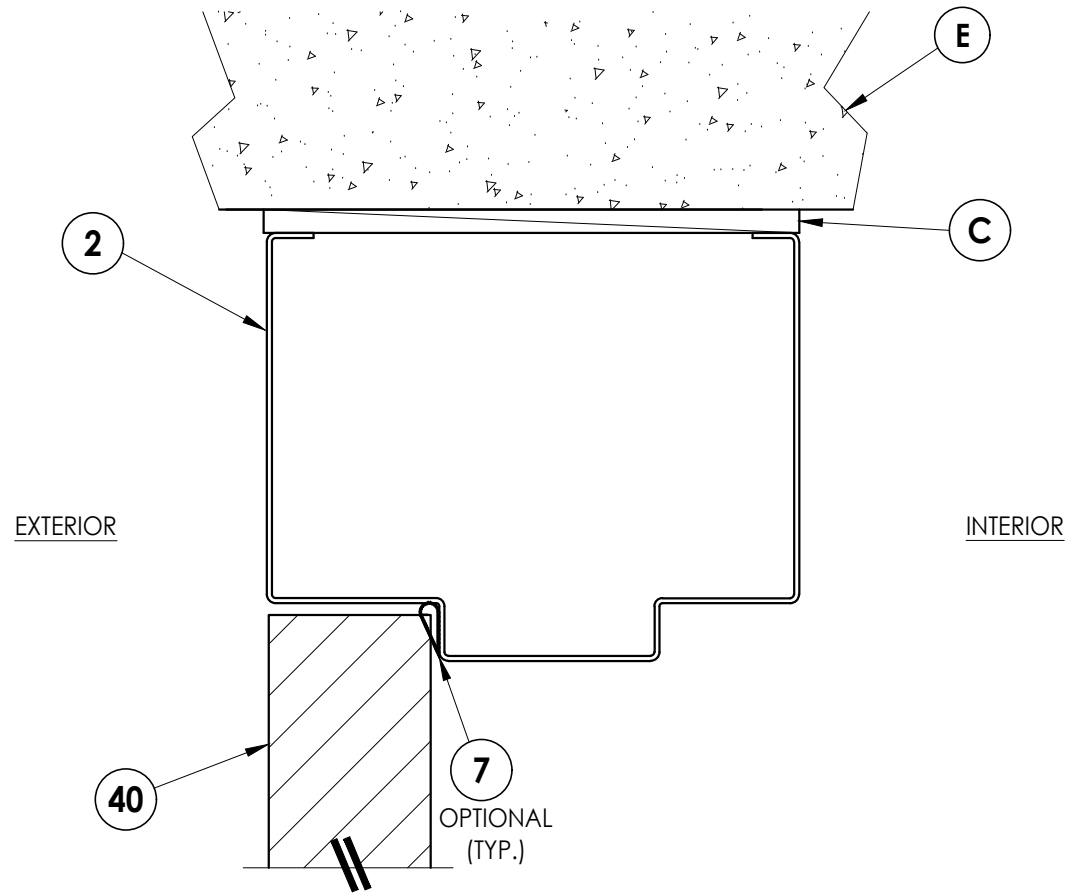


2 VERTICAL CROSS SECTION

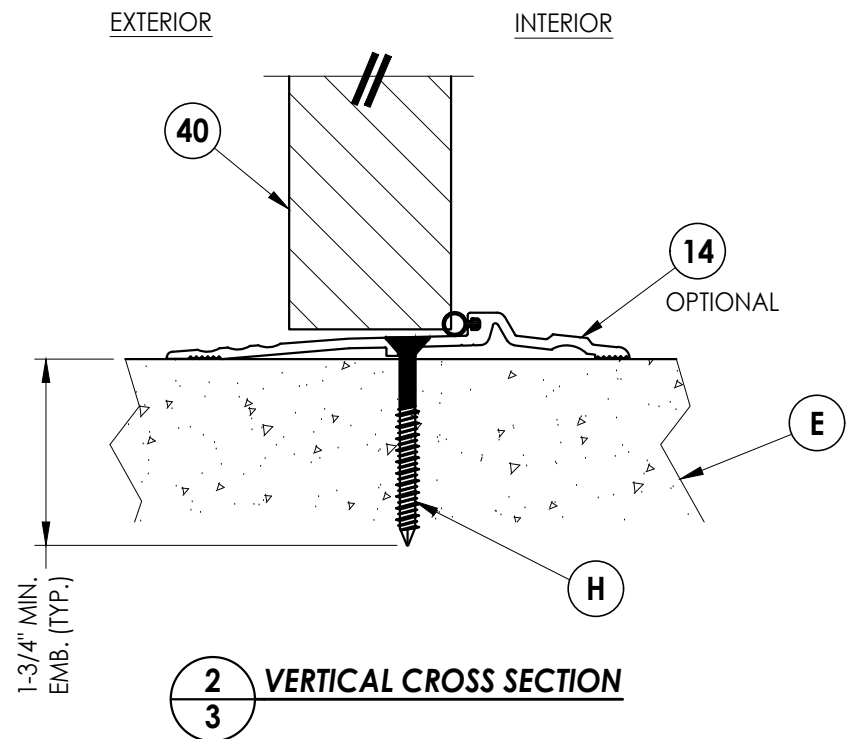
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DATE:	8/20/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-40948.3
SHEET	<u>2</u> OF <u>6</u>

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1 **VERTICAL CROSS SECTION**
3

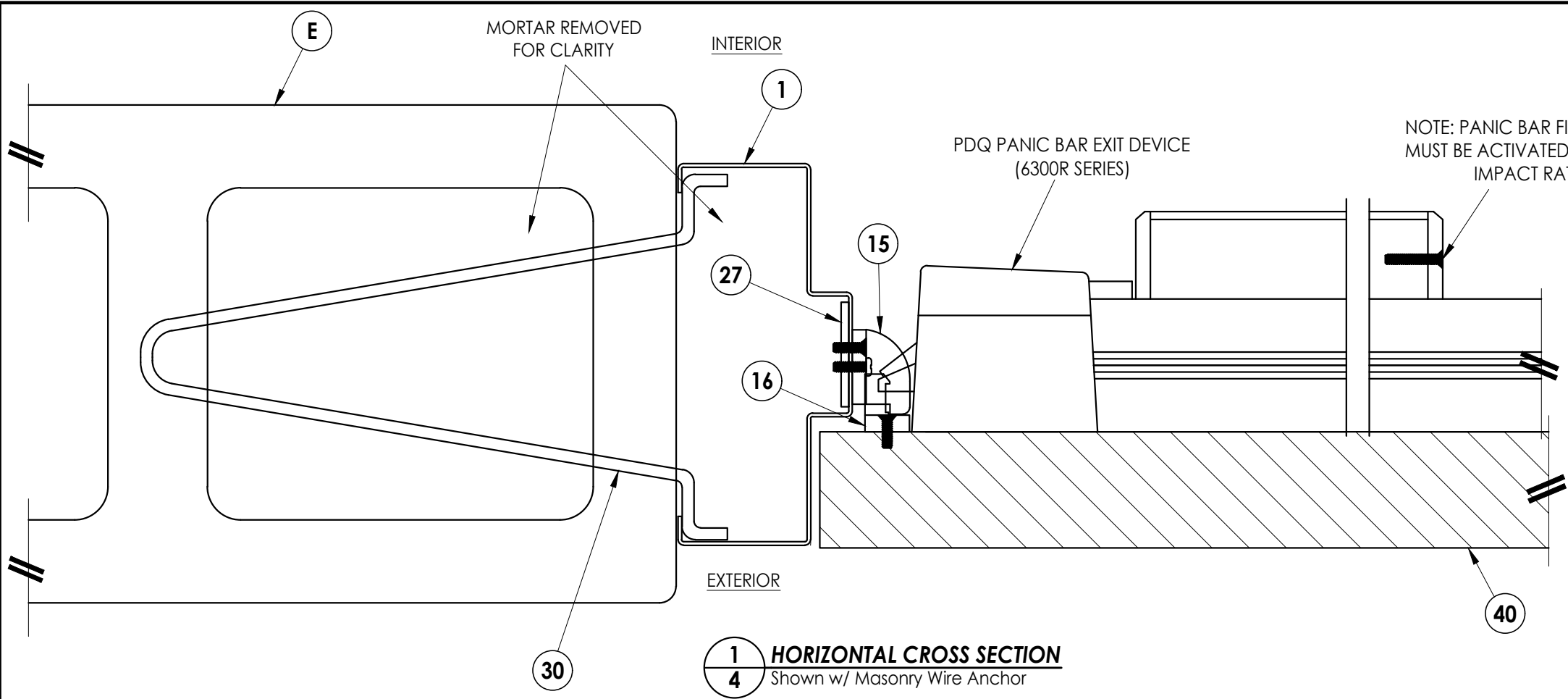


2 VERTICAL CROSS SECTION

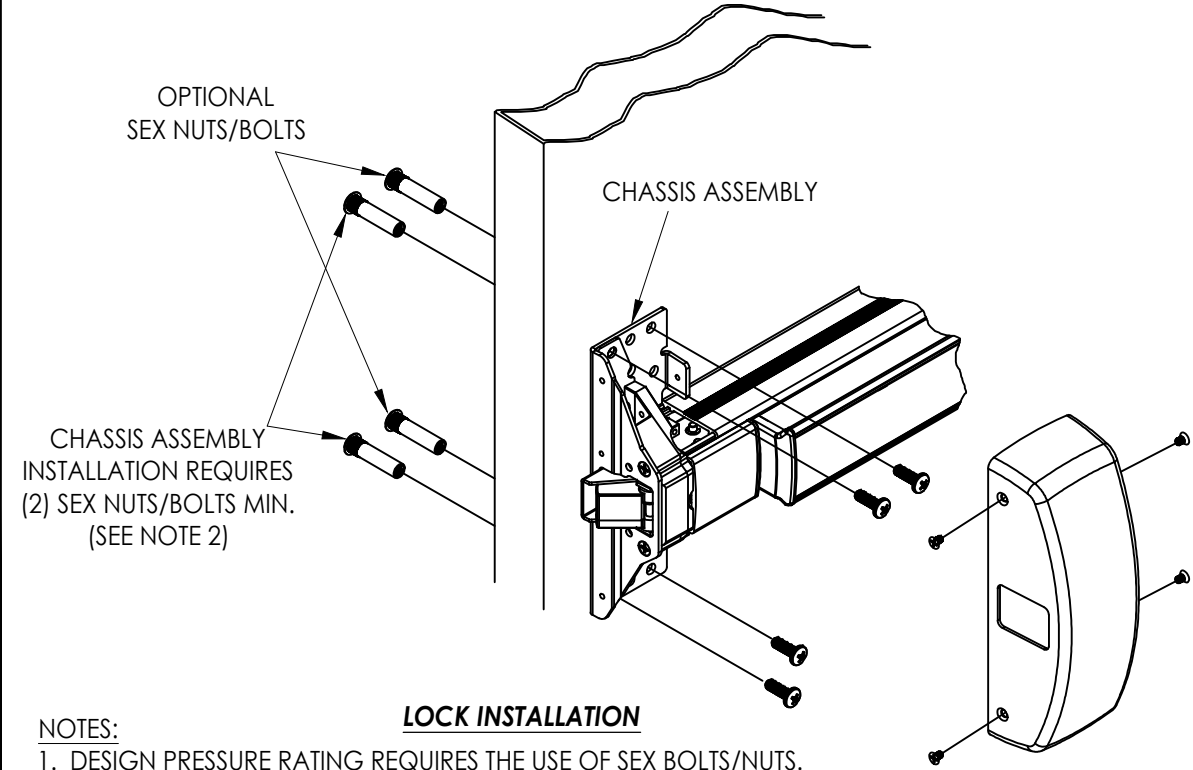
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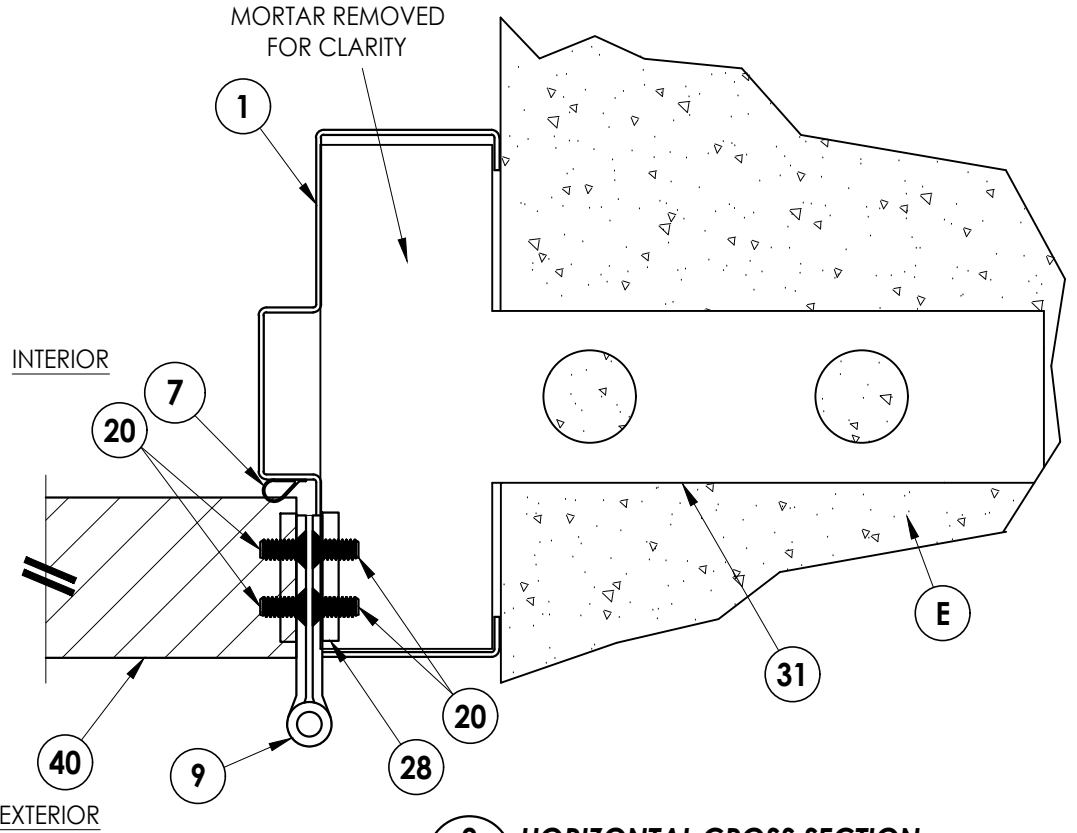


1
4 **HORIZONTAL CROSS SECTION**
Shown w/ Masonry Wire Anchor



LOCK INSTALLATION

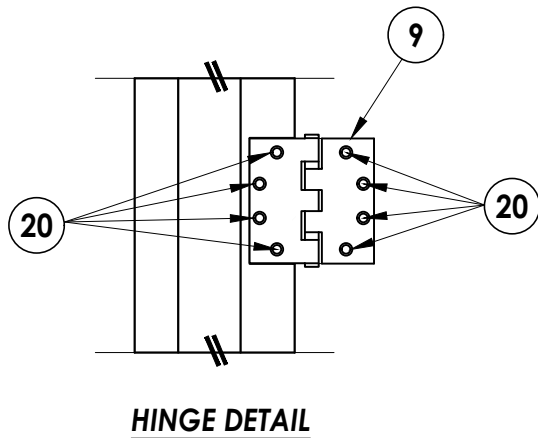
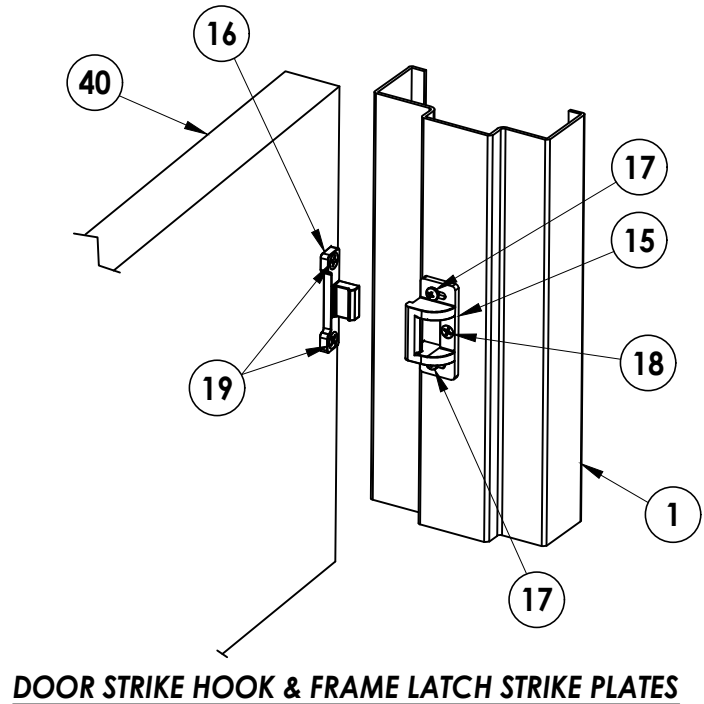
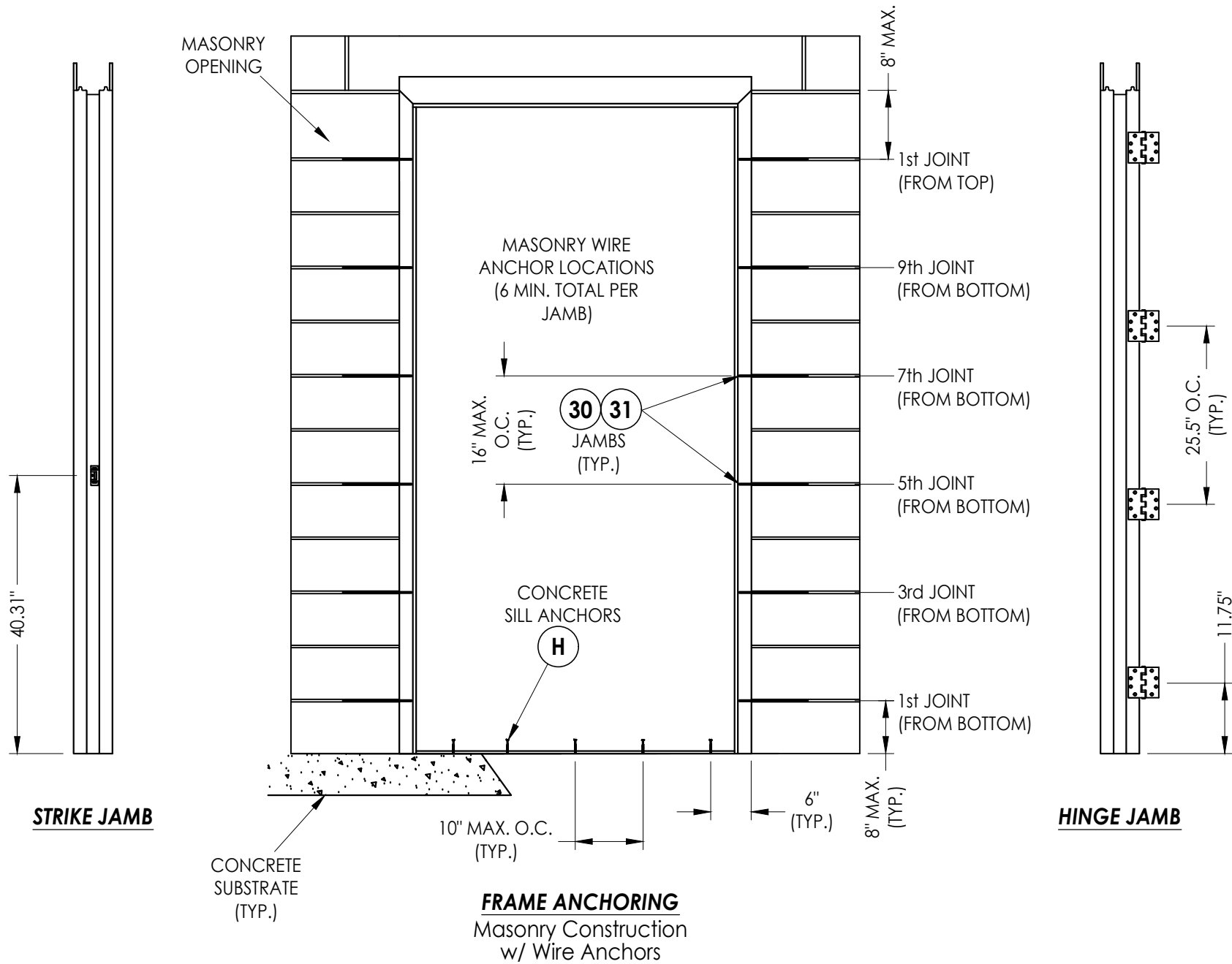
- NOTES:
1. DESIGN PRESSURE RATING REQUIRES THE USE OF SEX BOLTS/NUTS. THE RIM PANIC DEVICE CANNOT BE SURFACE MOUNTED (THROUGH BOLTS REQUIRED).
 2. ONLY (2) SEX BOLTS/NUTS ARE REQUIRED, BUT THEY MUST BE INSTALLED IN THE LEADING EDGE HOLES CLOSEST TO THE LATCH EDGE OF THE DOOR.



2
4 **HORIZONTAL CROSS SECTION**
Shown w/ Masonry "T"-Anchor

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PRODUCT: MPI COMMERCIAL STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
			REVISIONS
		BY	

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CONCRETE ANCHOR NOTES:

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." 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.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT	MIN. CLEARANCE TO ADJACENT ANCHOR
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT)	2-1/2"	1-3/4"	2"

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PRODUCT: MPI
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 8/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-40948.3

SHEET 5 OF 6

