

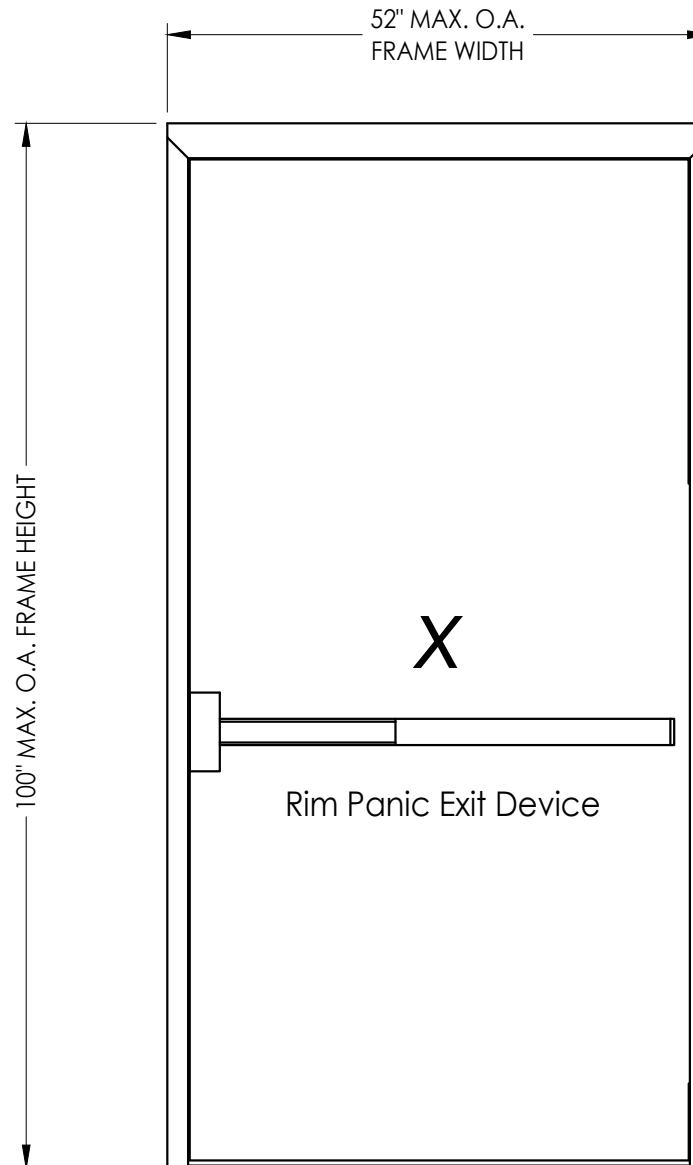


"SST" COMMERCIAL STEEL DOOR
OUTSWING
"IMPACT"

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

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2	Door panel details
3	Vertical cross sections
4	Horizontal cross sections
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6	Bill of materials & components



CONFIGURATION	MAX FRAME DIMENSION	DOOR	LOCK TYPE	DESIGN PRESSURE (PSF)	
				OUTSWING POSITIVE	OUTSWING NEGATIVE
SINGLE	52.0" x 100.0"	16 GA.	PDQ 6300R/6300RF SERIES	+60.0	-65.0

Digitally signed by
Lyndon F Schmidt
Date: 2024.11.13
18:22:19 -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

PRODUCT:
MPI
COMMERCIAL STEEL DOOR

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

DATE: 2/08/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

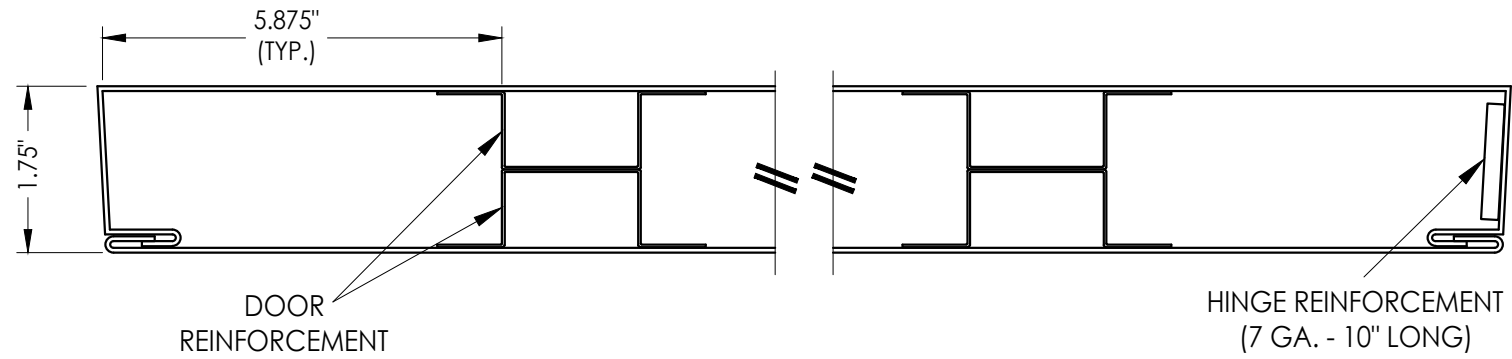
DRAWING NO.: FL-40948.1

SHEET 1 OF 6

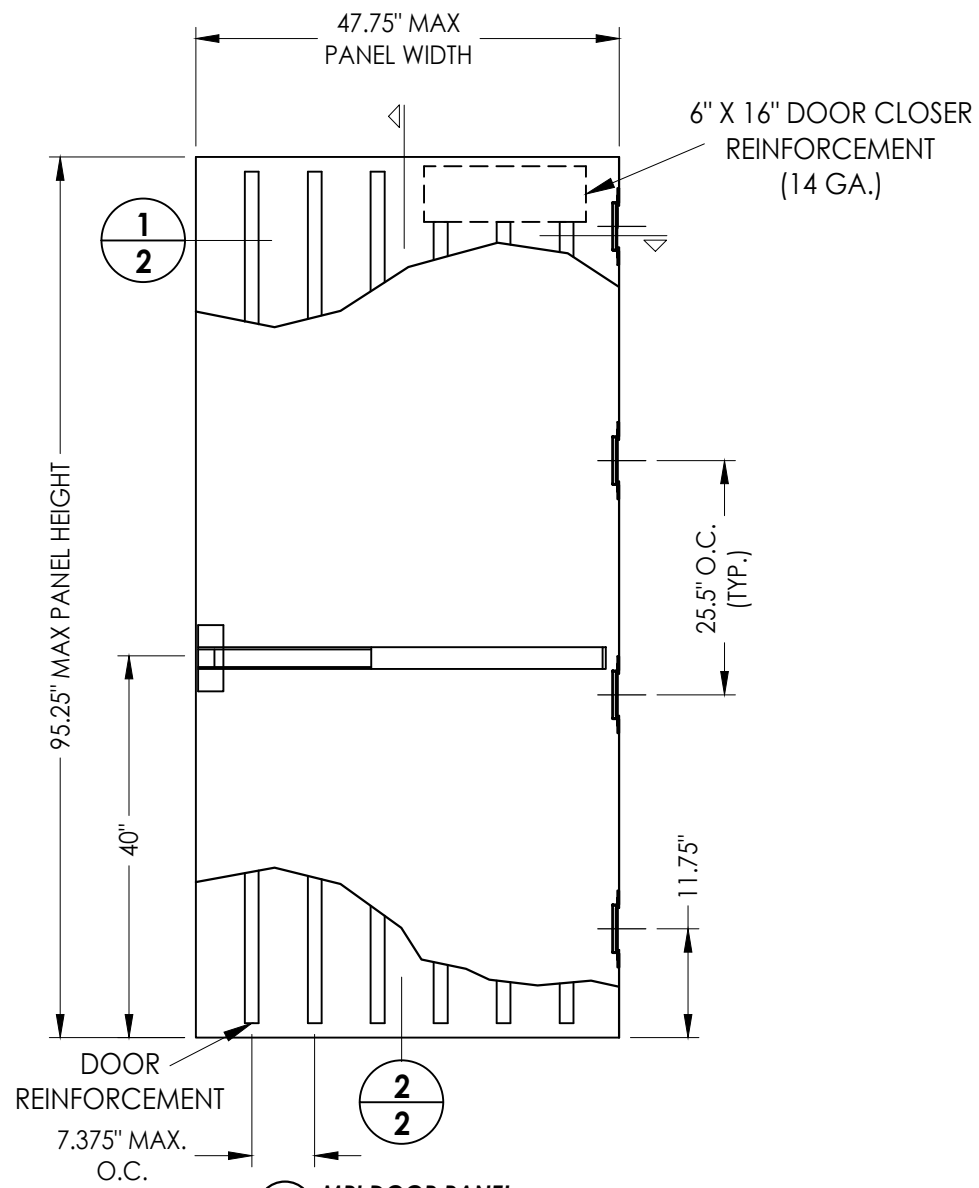
REVISIONS

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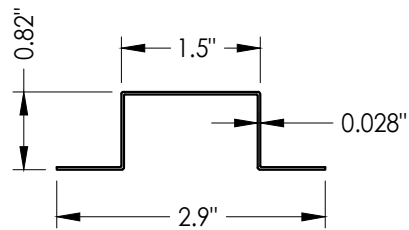
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



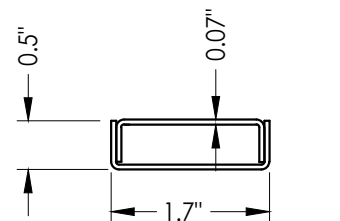
1 HORIZONTAL CROSS SECTION



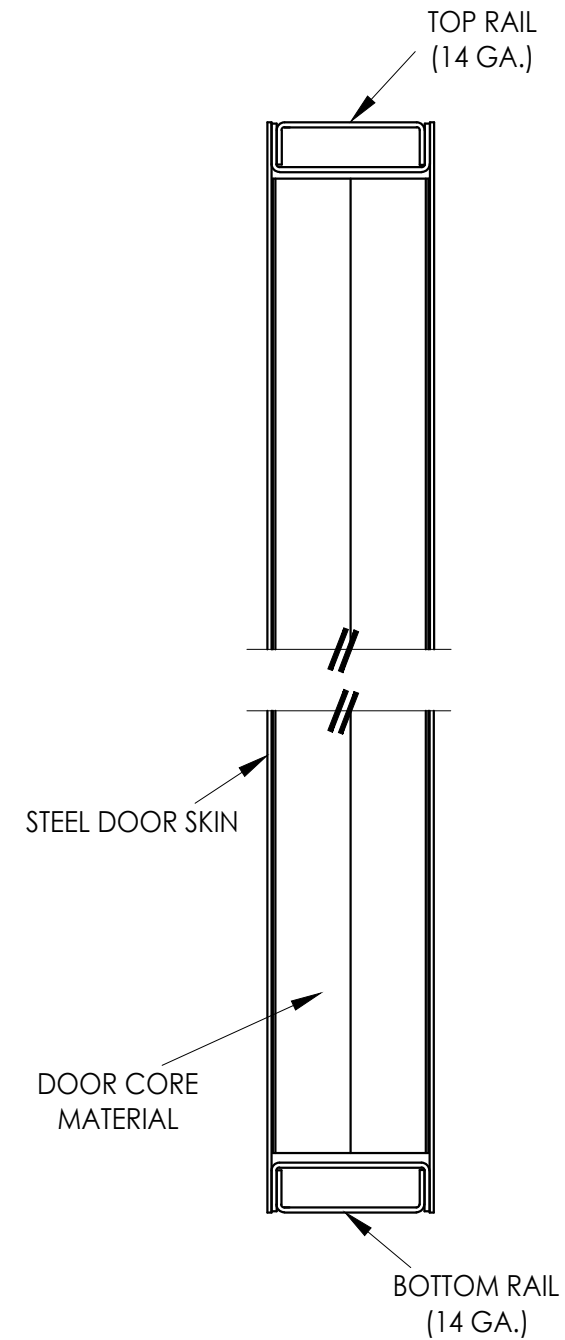
40 MPI DOOR PANEL



DOOR REINFORCEMENT



TOP & BOTTOM RAILS



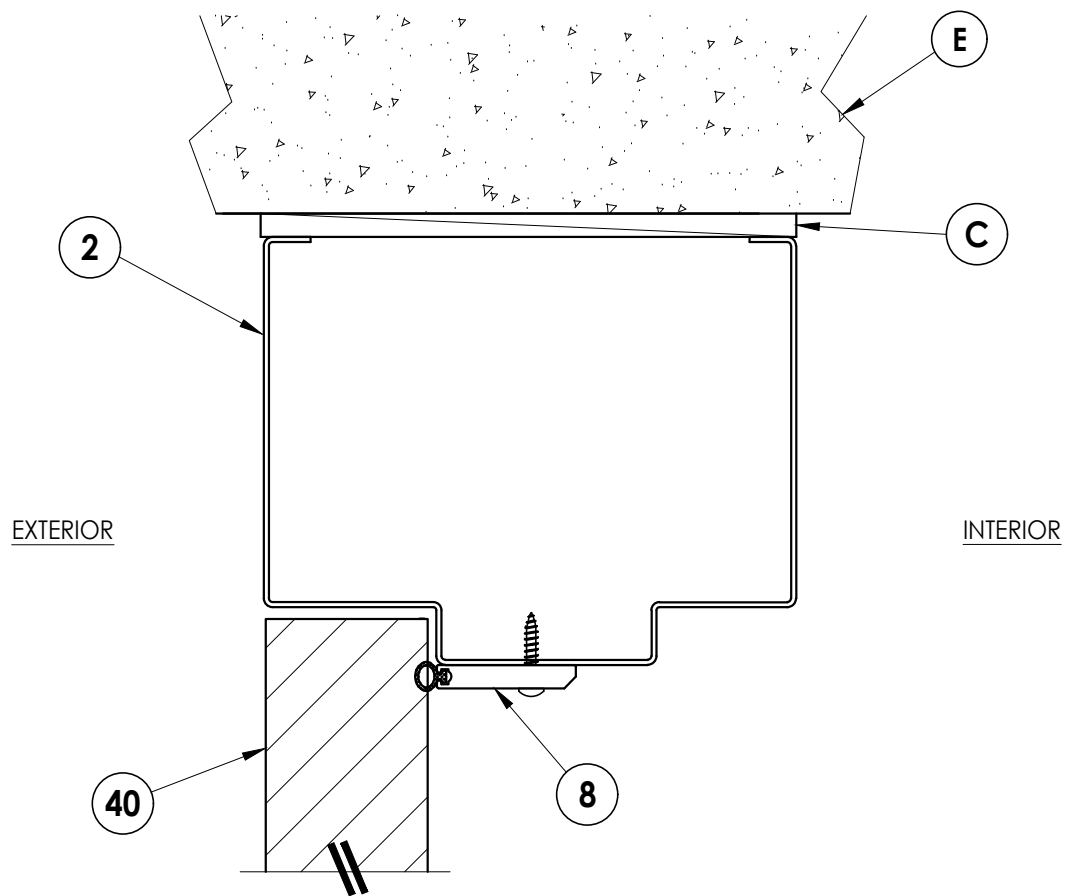
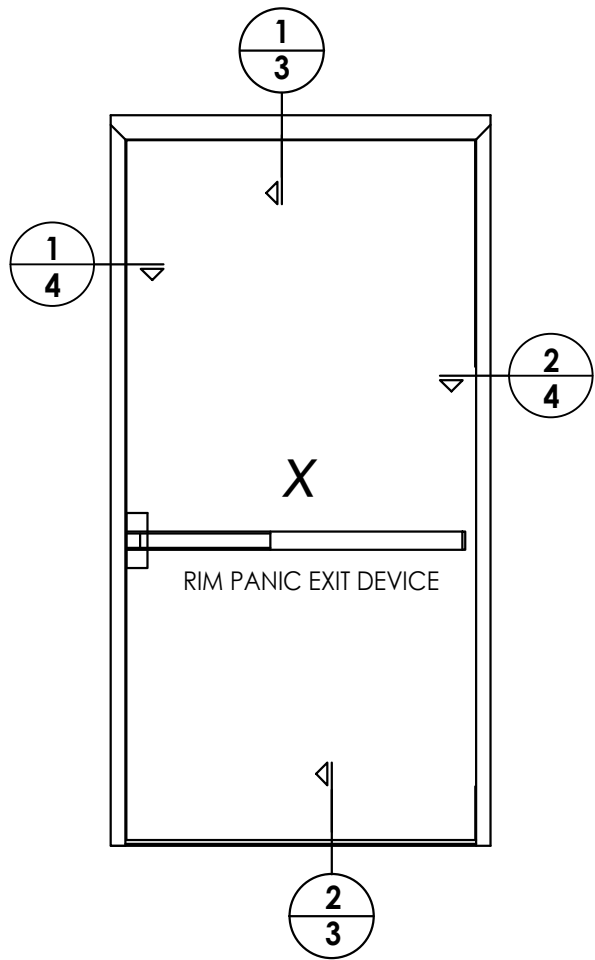
2 VERTICAL CROSS SECTION
2

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

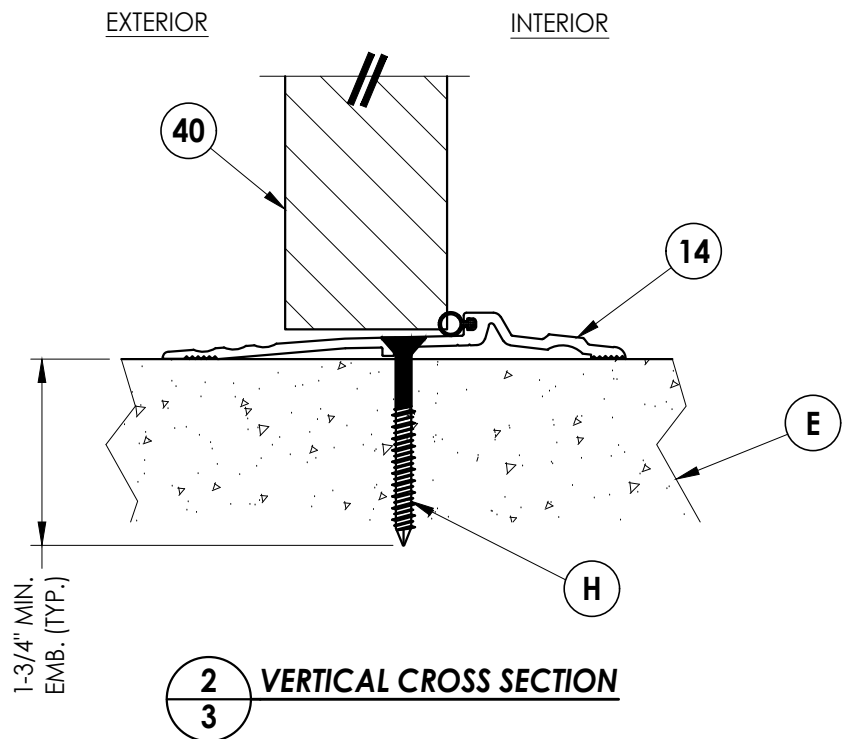
DATE:	2/08/22
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-40948.1
SHEET	2 OF 6

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

RW
BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813



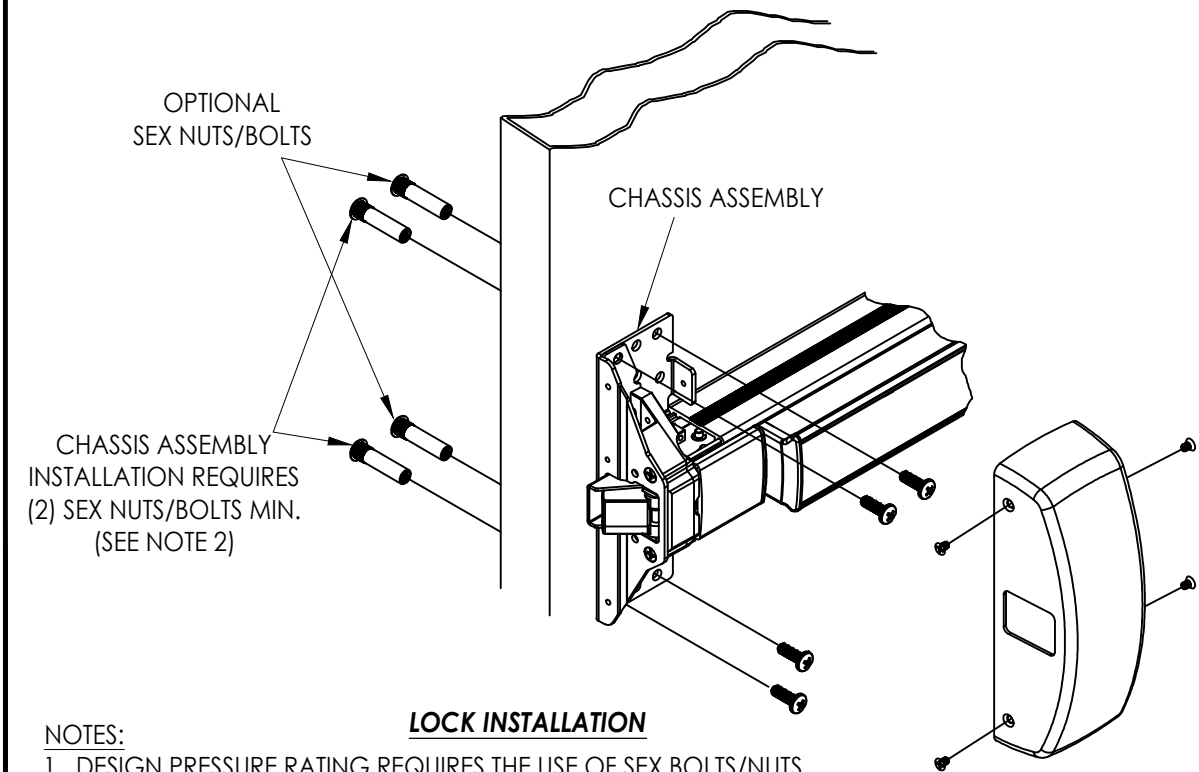
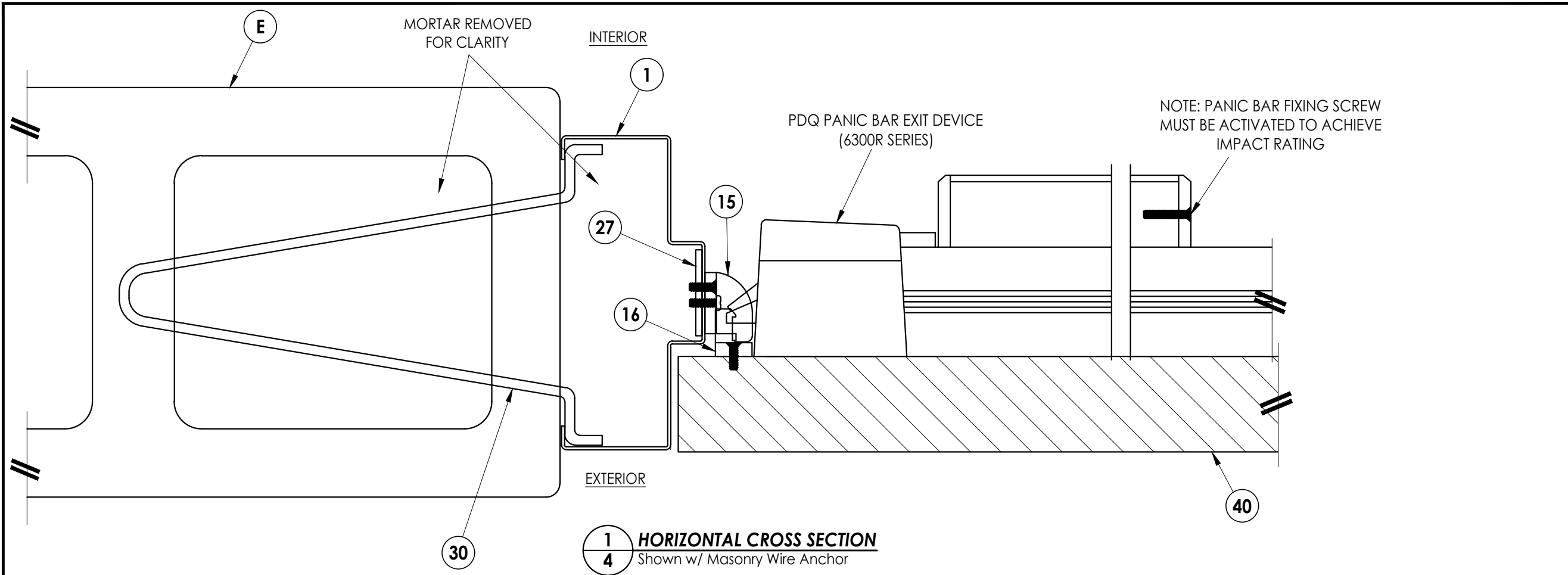
1 **VERTICAL CROSS SECTION**
3



2 VERTICAL CROSS SECTION

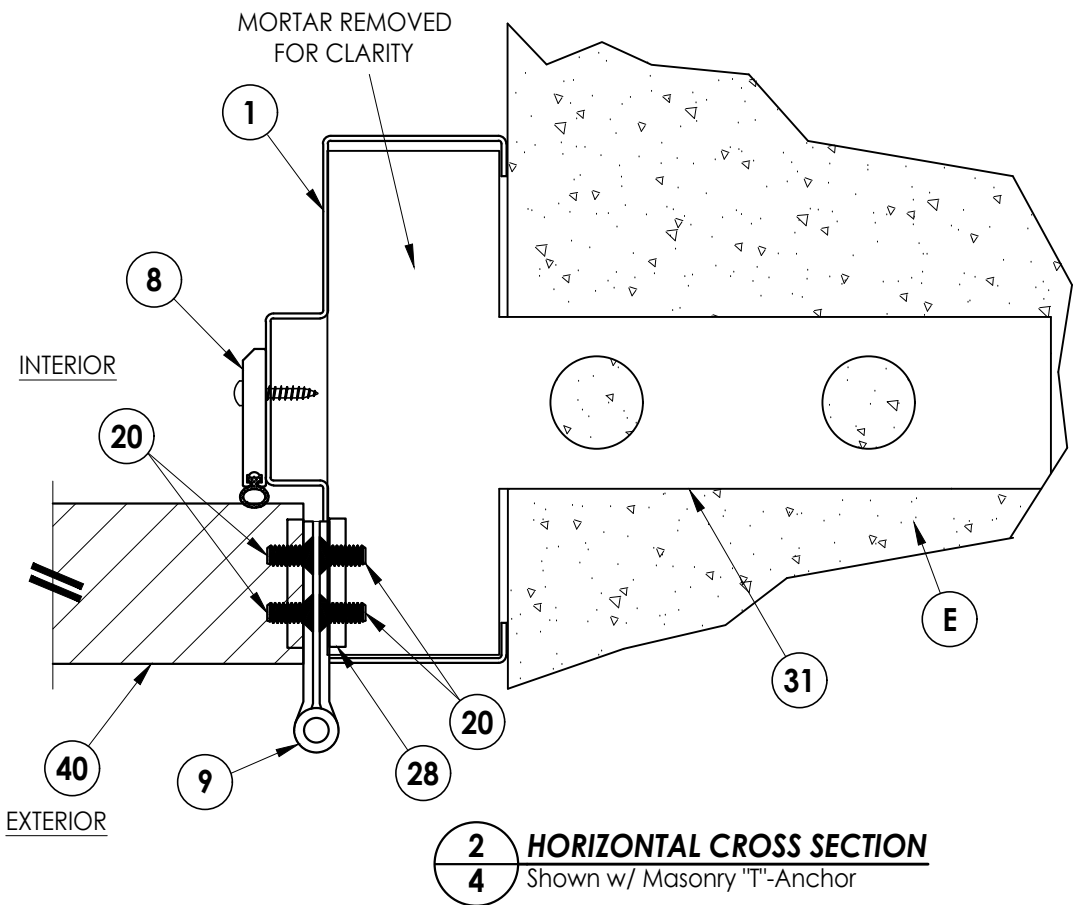
DATE: 2/08/22		PRODUCT: MPI COMMERCIAL STEEL DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-40948.1							
SHEET 3 OF 6							
NO. 1		8/09/23		UPDATE TO 8TH ED. (2023)		LFS	
NO.		DATE				BY	
						REVISIONS	

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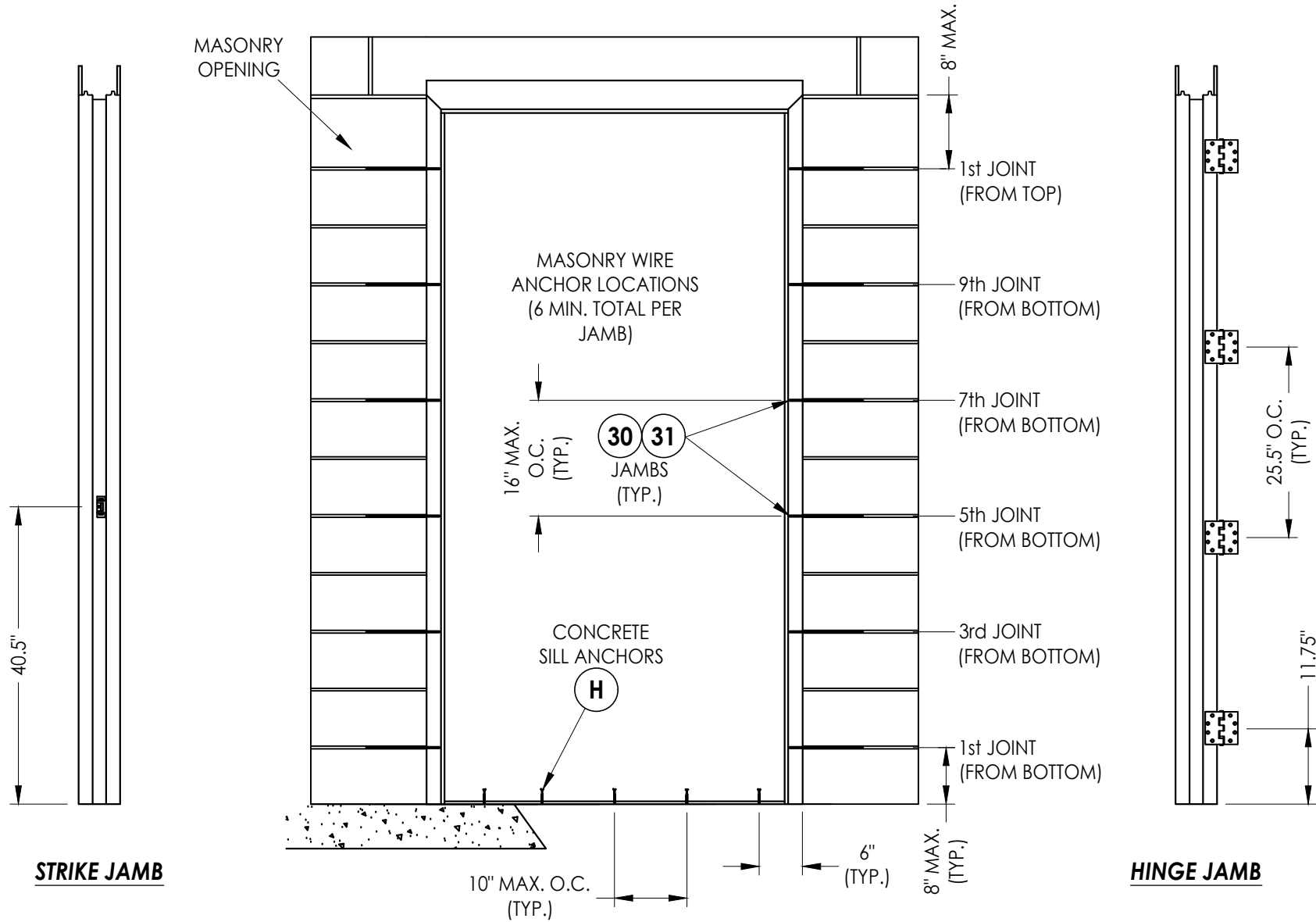
NOTES:

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.



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

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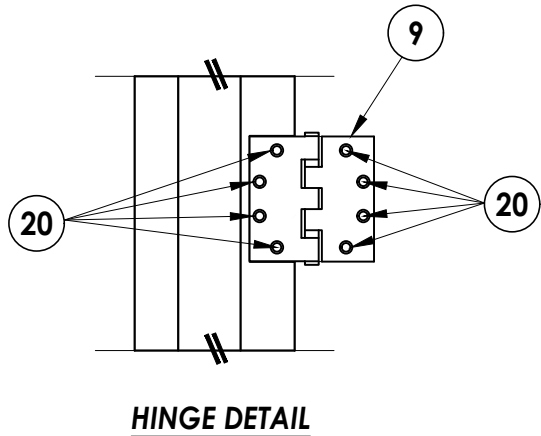
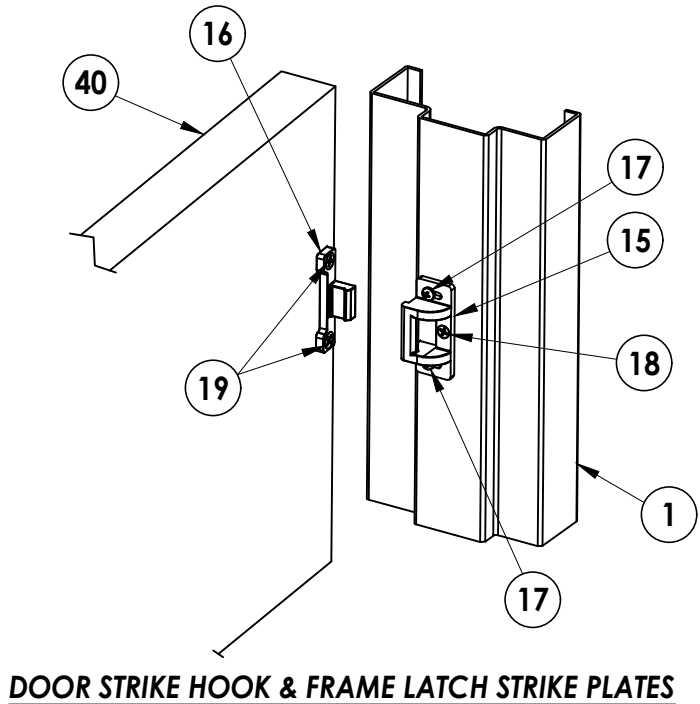


FRAME ANCHORING
Masonry Construction
w/ Wire Anchors

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
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT)	2-1/2"	1-3/4"



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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, 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
		LFS
		BY

DATE: 2/08/22

SCALE: N.T.S.

DWG. BY: LFS

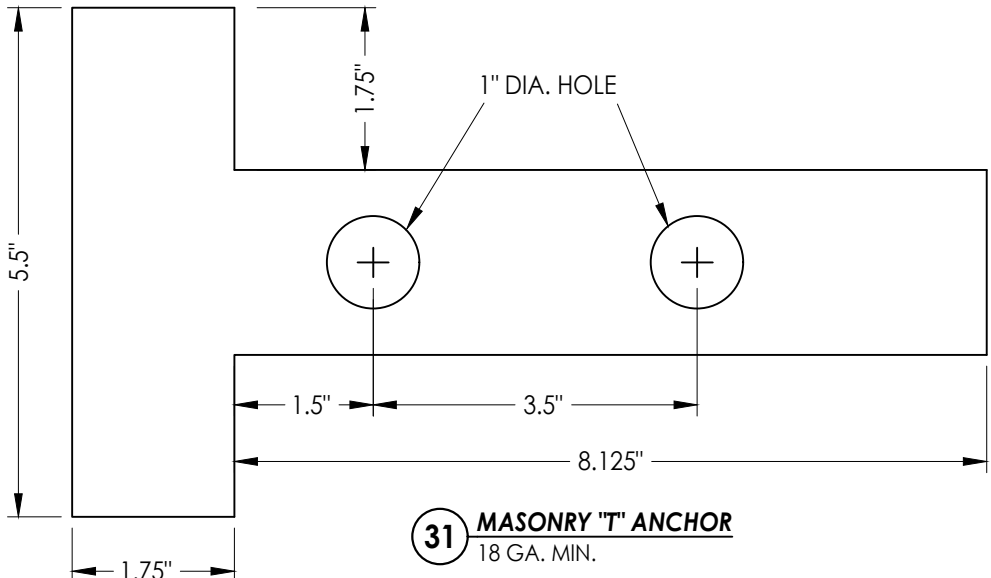
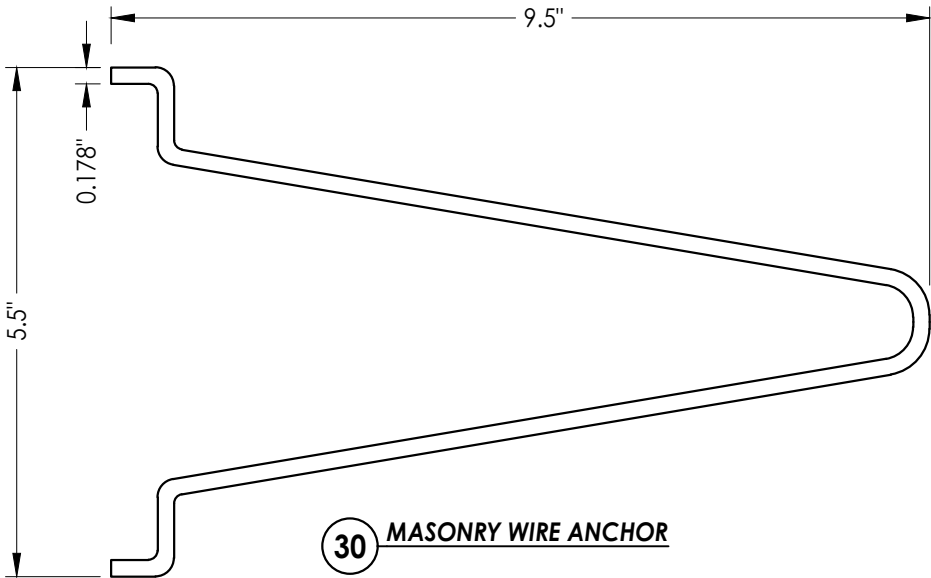
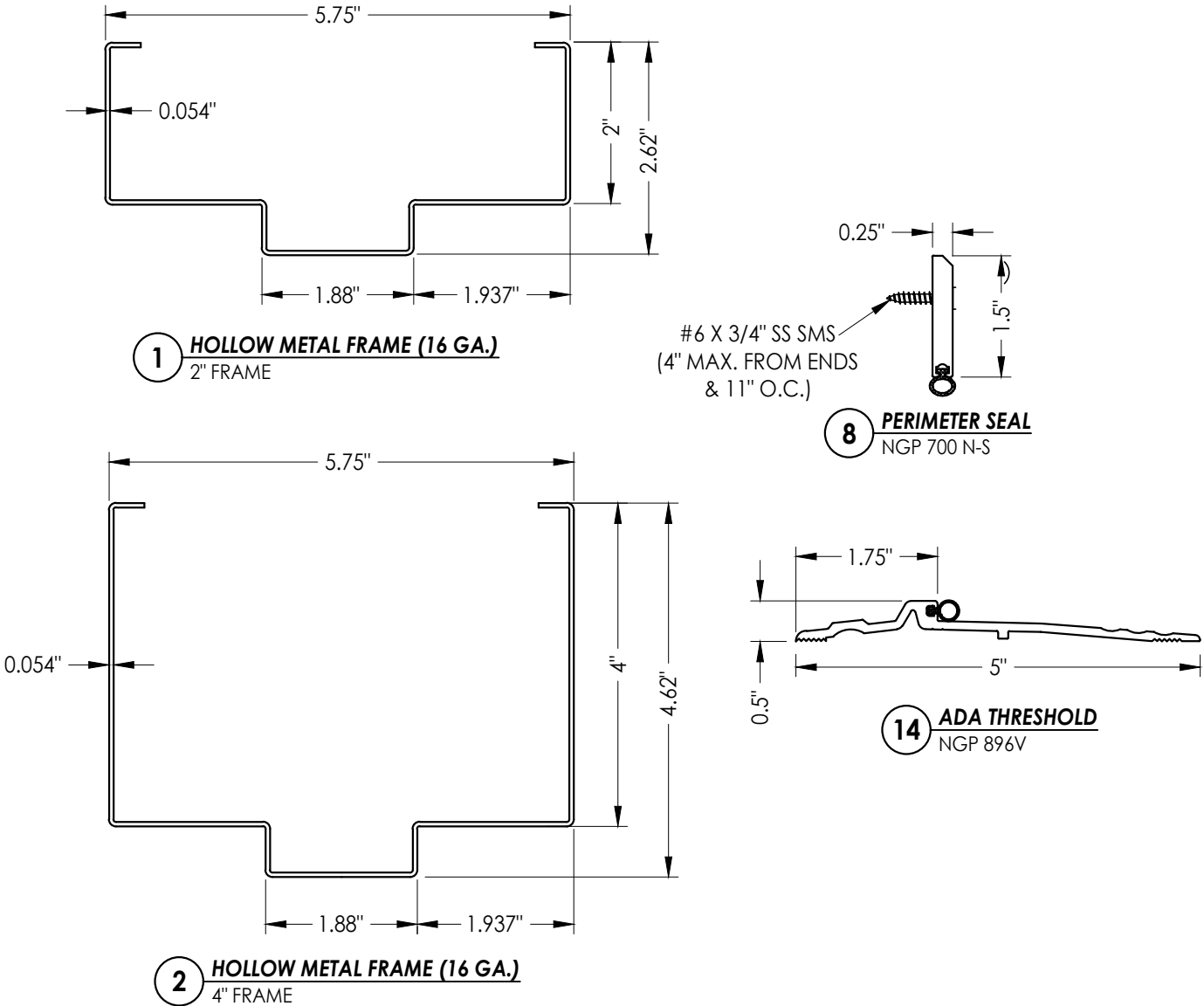
CHK. BY: RW

DRAWING NO.: FL-40948.1

SHEET 5 OF 6

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 2-1/4" PFH CONCRETE SCREW	STEEL
1	HOLLOW METAL FRAME (2" JAMBS)	STEEL
2	HOLLOW METAL FRAME (4" HEAD)	STEEL
8	PERIMETER SEAL	ALUM/NEOPRENE
9	4-1/2" X 4-1/2" HINGE	STEEL
14	ADA BUMP THRESHOLD	STEEL
15	FRAME LATCH STRIKE PLATE	STEEL
16	DOOR STRIKE HOOK PLATE	STEEL
17	#10-24 X 5/8" PH MACHINE SCREW	STEEL
18	#10-24 X 5/8" FH MACHINE SCREW	STEEL
19	#14-20 X 5/8" FH MACHINE SCREW	STEEL
20	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
27	FRAME LATCH STRIKE REINFORCEMENT (11 GA.)	STEEL
28	FRAME HINGE REINFORCEMENT (7 GA.)	STEEL
30	MASONRY WIRE ANCHOR	STEEL
31	MASONRY "T" ANCHOR	STEEL
40	DOOR PANEL	-



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PRODUCT: MPI STEEL COMMERCIAL DOOR	PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS		REVISONS
	NO.	DATE	
	1	8/09/23	UPDATE TO 8TH ED. (2023) FBC
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			BY
DATE: 2/08/22			
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SHEET 6 OF 6			