

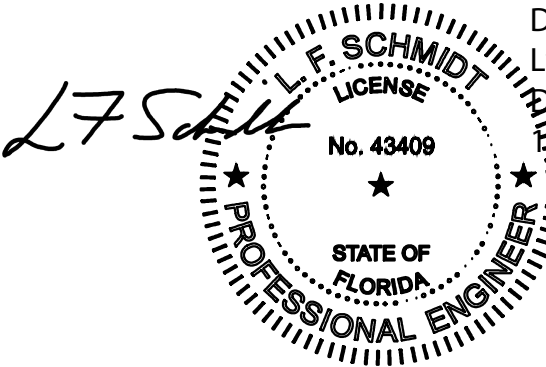


"SST" COMMERCIAL STEEL DOOR
OUTSWING
"IMPACT"

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

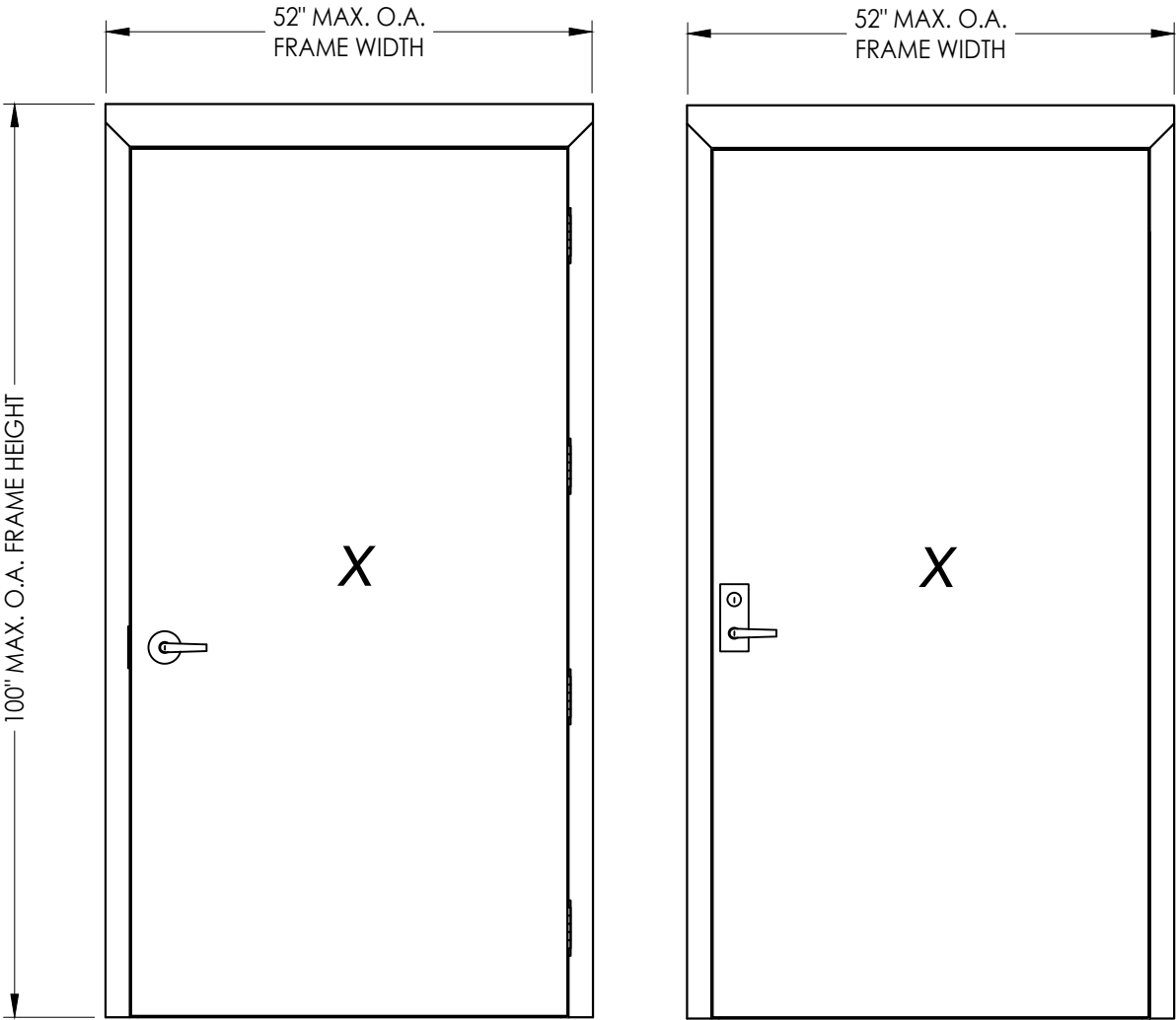
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6	Frame anchoring
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8	Bill of materials & components



Digitally signed by
Lyndon F Schmidt
Date: 2024.11.13
10:21:34 -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



CYLINDRICAL LOCK

MORTISE LOCK

CONFIGURATION	MAX FRAME DIMENSION	DOOR	DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE
SINGLE	52.0" x 100.0"	16 GA.	+60.0	-65.0

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: 8/20/24

SCALE: N.T.S.

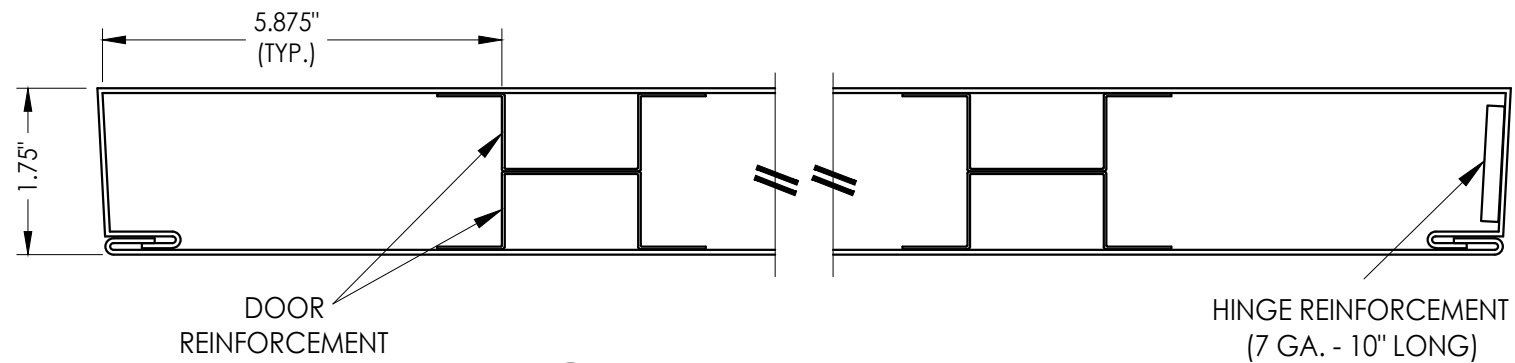
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CHK. BY: RW

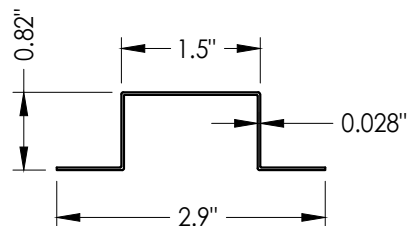
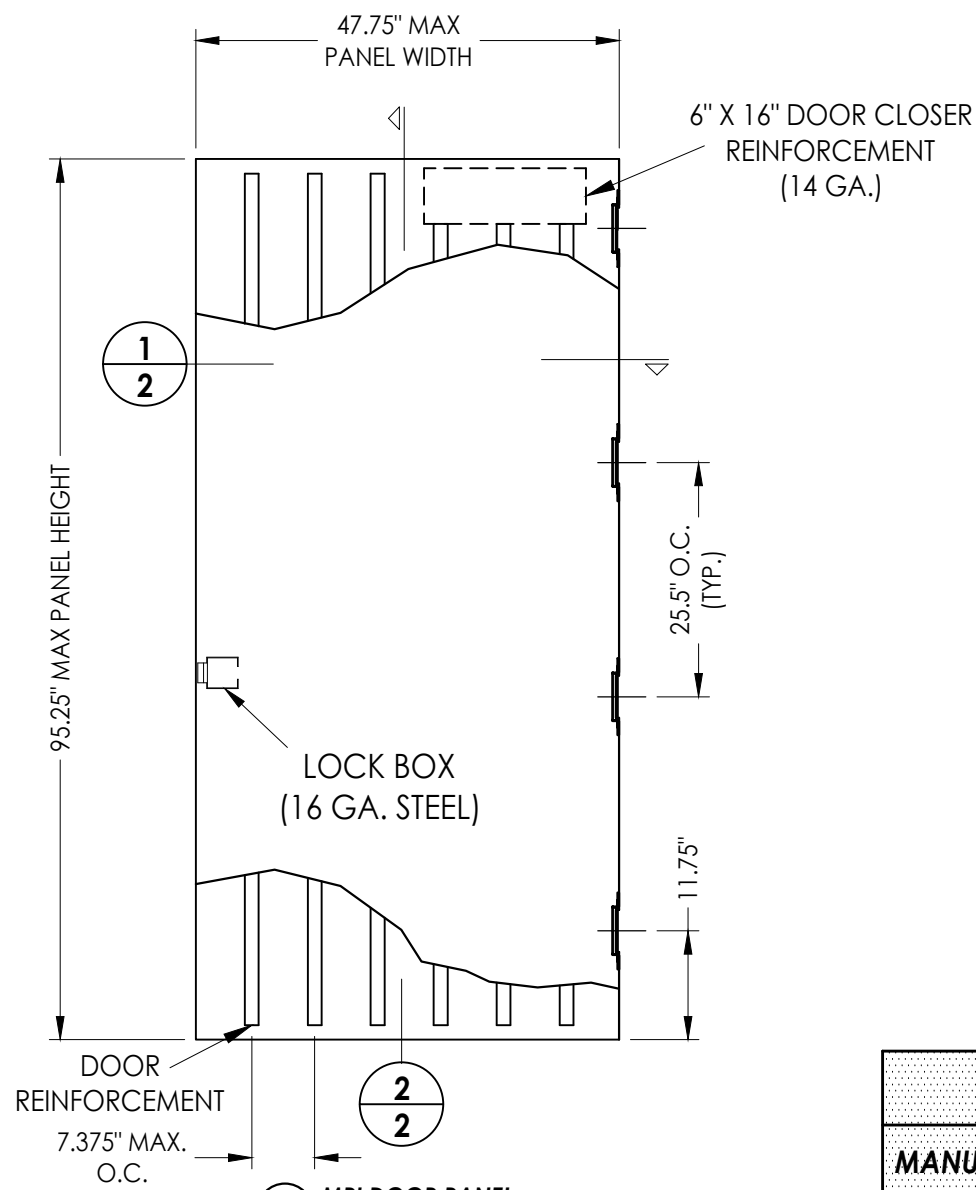
DRAWING NO.:
FL-40948.4

SHEET 1 OF 8

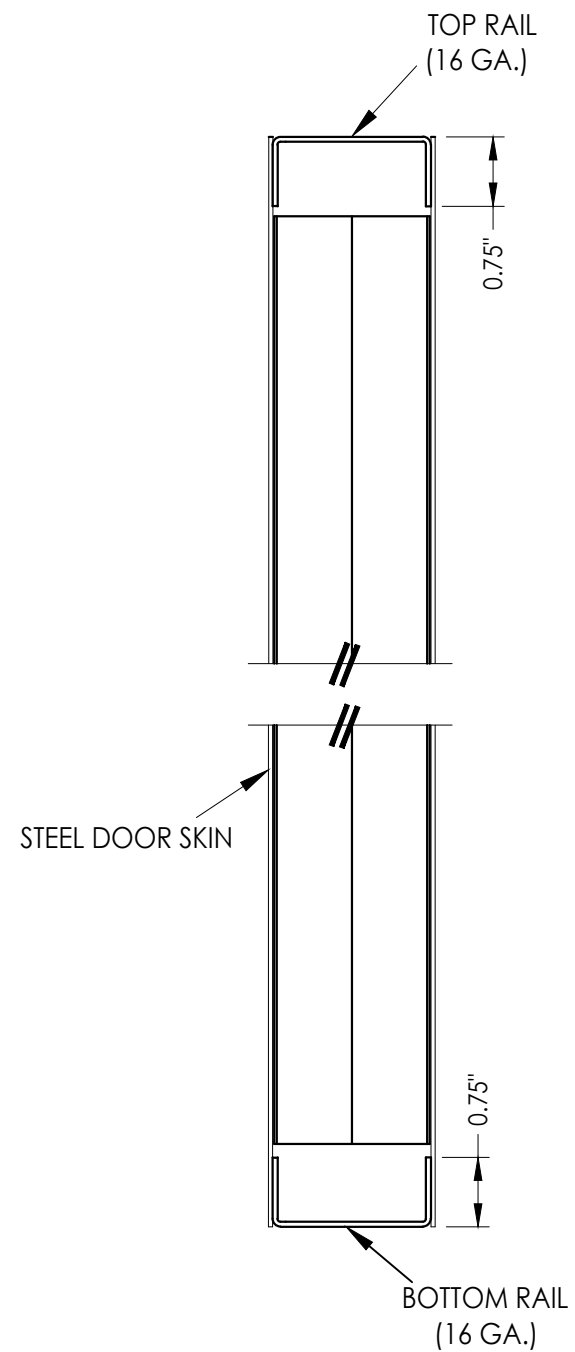
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 HORIZONTAL CROSS SECTION



DOOR REINFORCEMENT

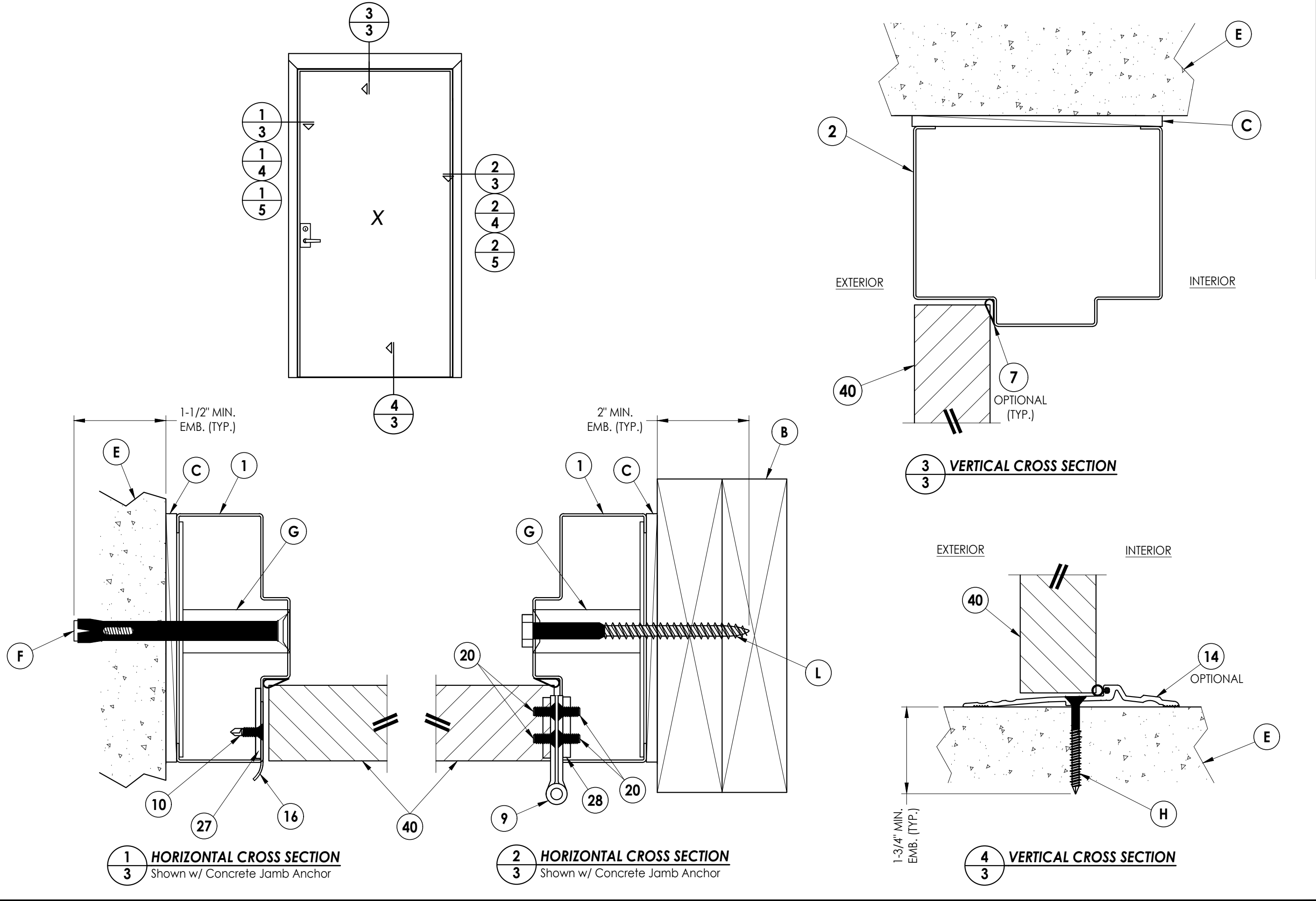


2 VERTICAL CROSS SECTION

HARDWARE CHART	
MANUFACTURER	MODEL
PDQ	CYLINDRICAL LOCK: GT SERIES
PDQ	MORTISE LOCK/DEADBOLT : MR SERIES (MRF)

STEEL DOOR SKIN (16 GA.): MIN. 0.055" THK. (Fy = 27,200 PSI MIN.)
CORE MATERIAL: MINERAL WOOL/ROCK WOOL INSULATION

[illegible]



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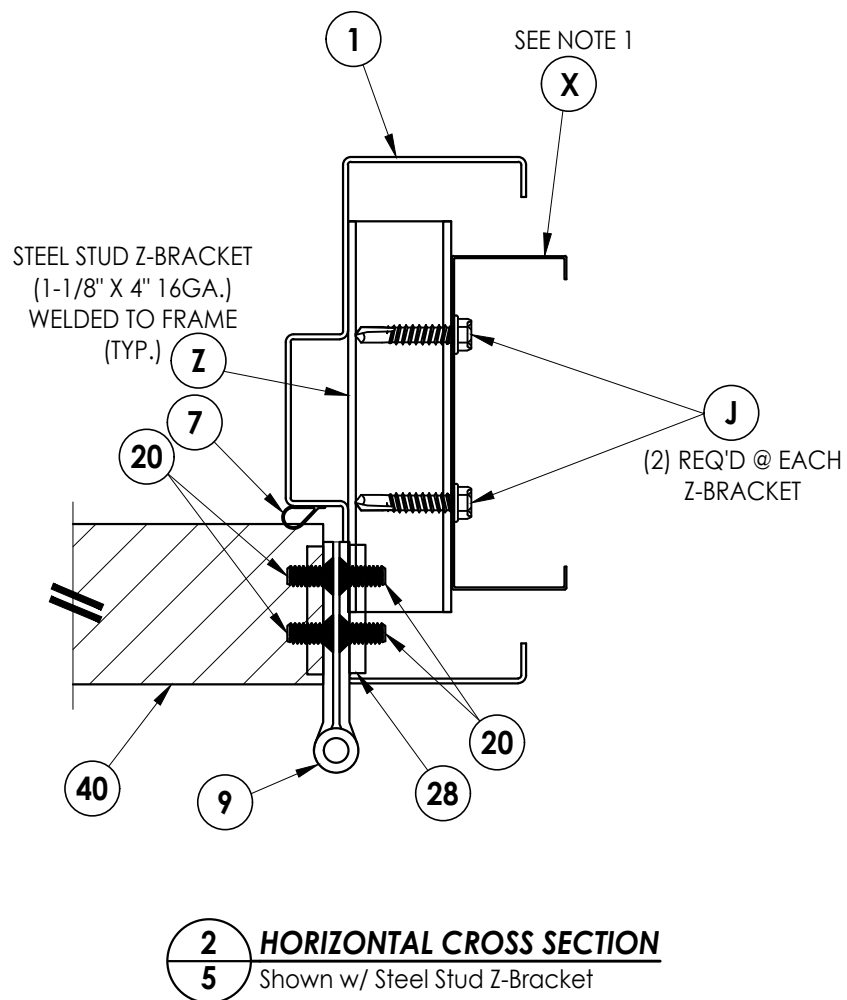
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CHK. BY:	RW
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SHEET	4 OF 8

PRODUCT: _____ MPI COMMERCIAL STEEL DOOR	PART OR ASSEMBLY: _____ HORIZONTAL CROSS SECTIONS
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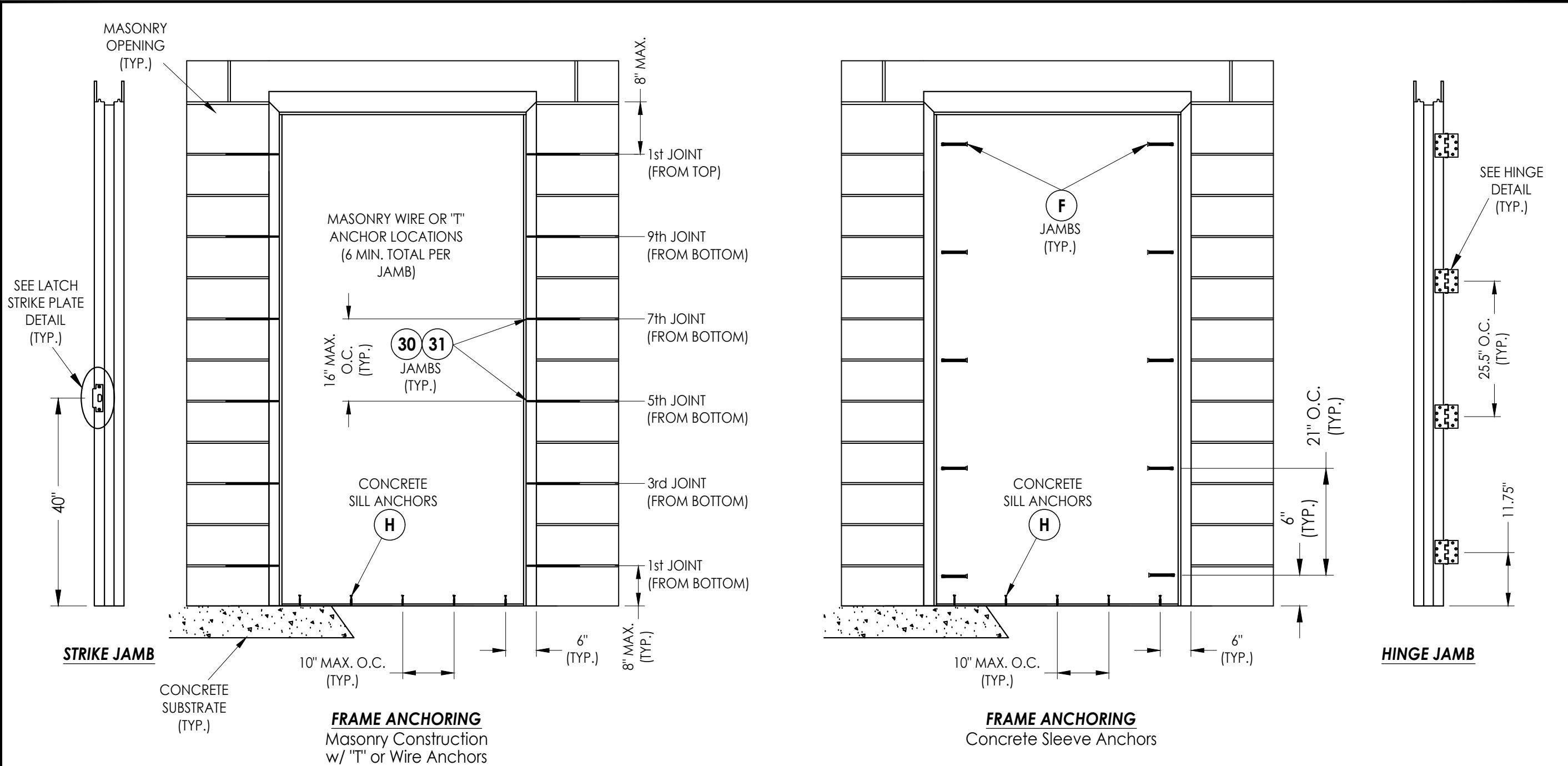
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1. THE FRAME IS SHOWN ATTACHED TO WOOD & STEEL STUDS AS TESTED. THE BUILDING DESIGNER IS RESPONSIBLE FOR DETERMINING THE ACTUAL STUD DESIGN.



DATE: 8/20/24		REVISIONS	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-40948.4			
SHEET 5	OF 8		

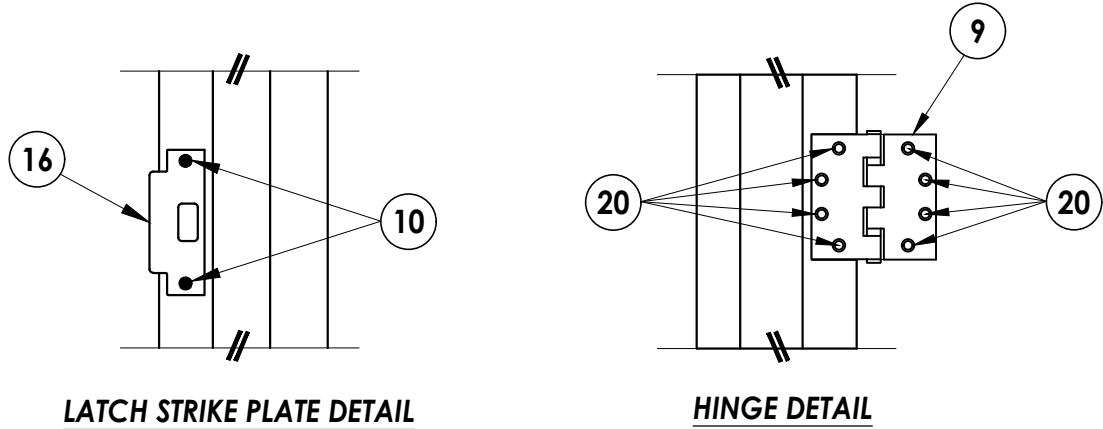
Z:\2023 FBC Drawings\MPI KY, LLC\FL-40948 R3\FL-40948.4.dwg



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"
CONCRET SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT® (ITW REDHEAD)	2-1/4"	1-1/2"	4-1/2"



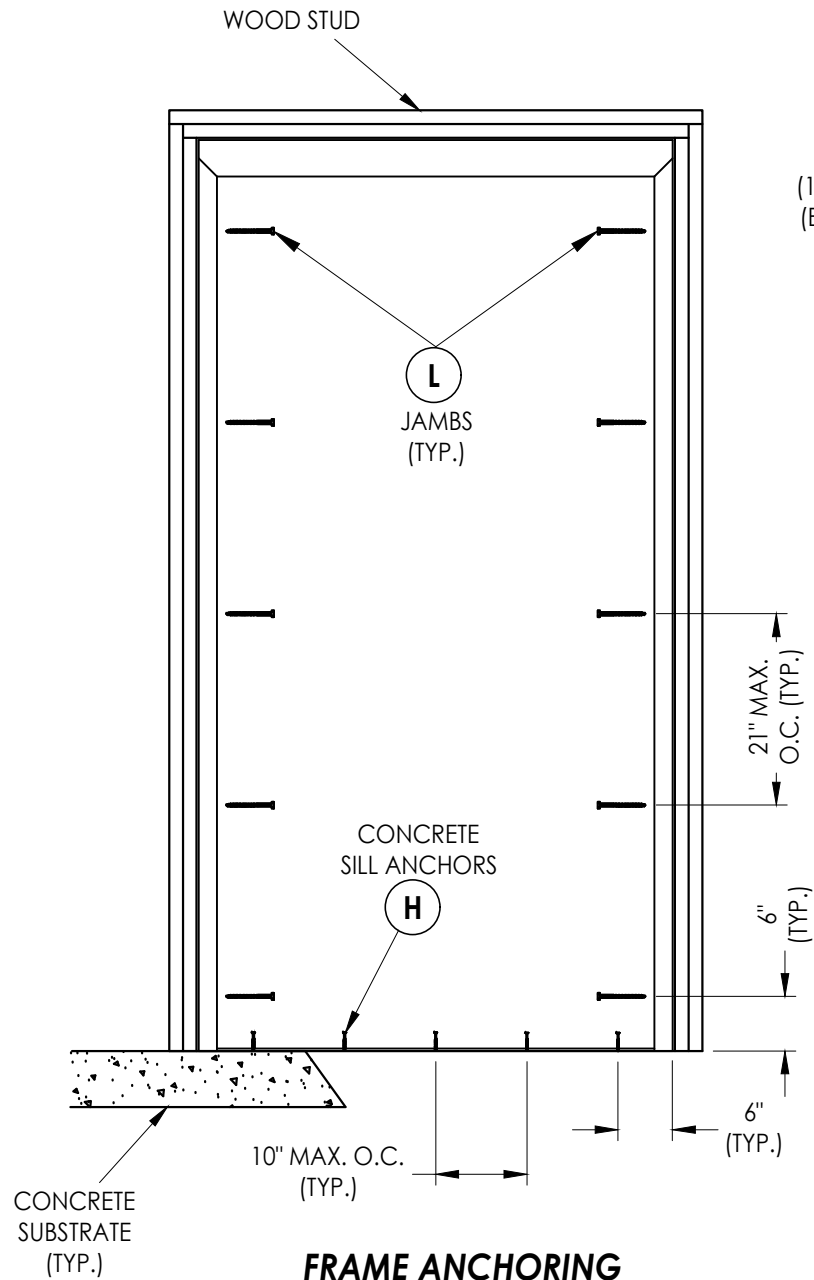
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RW
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
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Certificate Of Authorization No. 9813
Lyndon F. Schmidt, P.E. No. 43409

PRODUCT: MPI
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

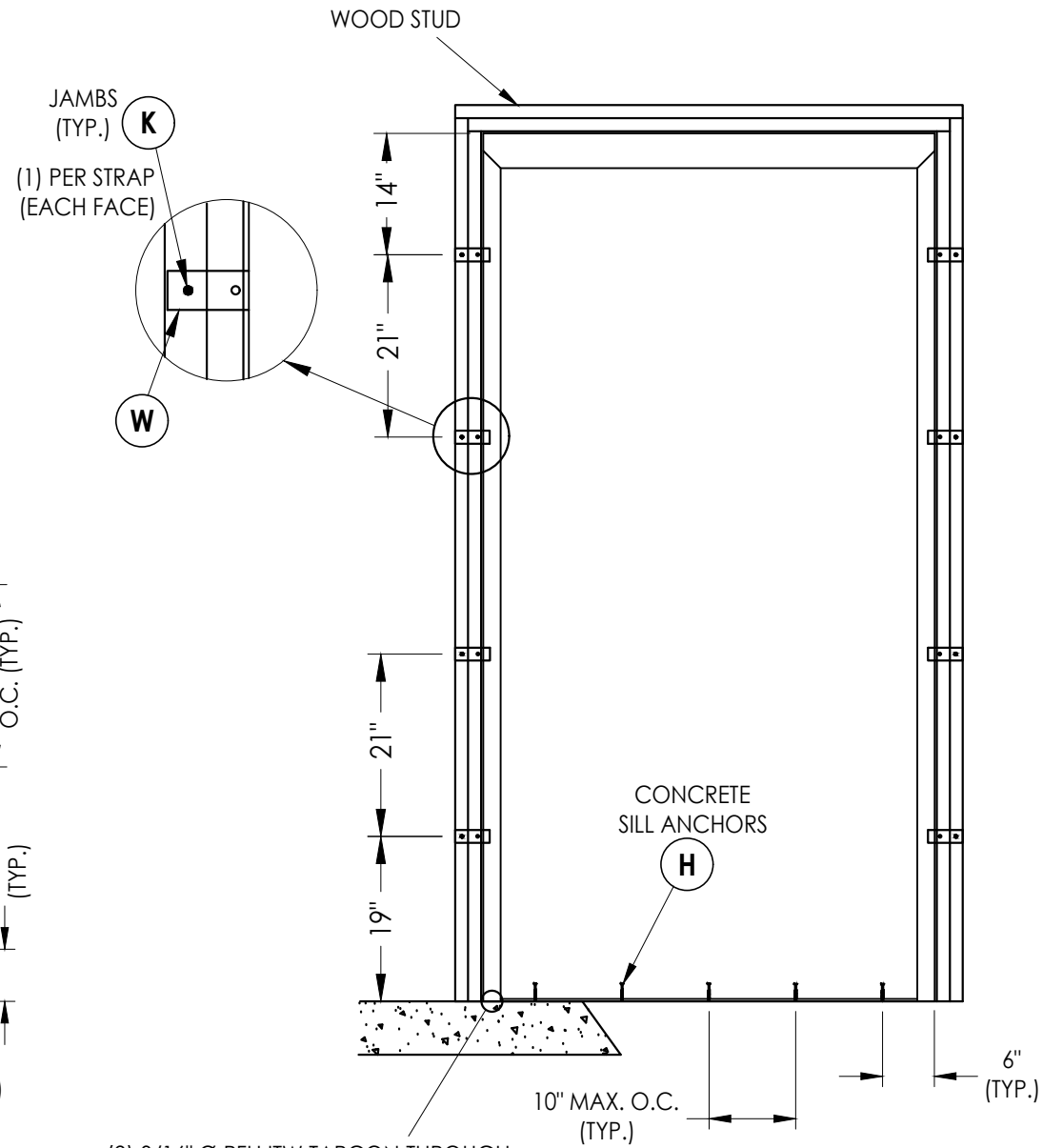
NO.	DATE	BY	REVISIONS

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SHEET 6 OF 8



FRAME ANCHORING

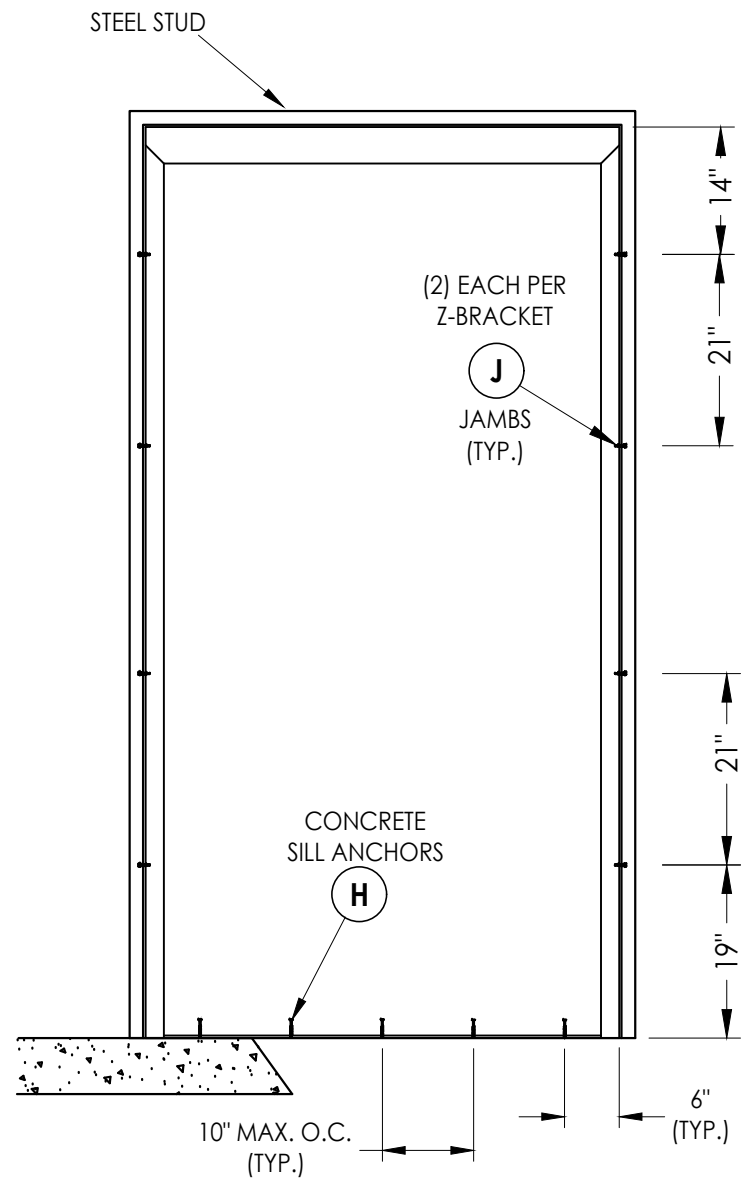
w/ Wood Stud Anchors



(2) 3/16" Ø PFH ITW TAPCON THROUGH
BRACKET INTO CONCRETE (TYP.)
(1.25" MIN. EMBEDMENT, 1.5" MIN.
O.C., 3" MIN. EDGE DISTANCE)

FRAME ANCHORING

w/ Wood Stud Anchor Straps



FRAME ANCHORING

w/ Steel Stud Anchors

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DRAWING NO.:	FL-40948.4
SHEET	7 OF 8

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PRODUCT:	MPI STEEL COMMERCIAL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

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