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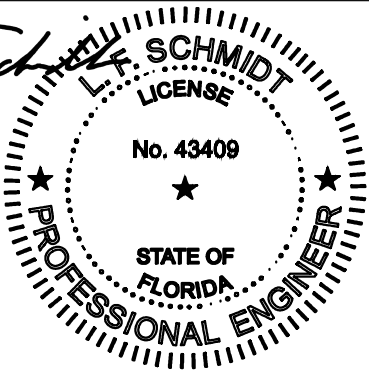
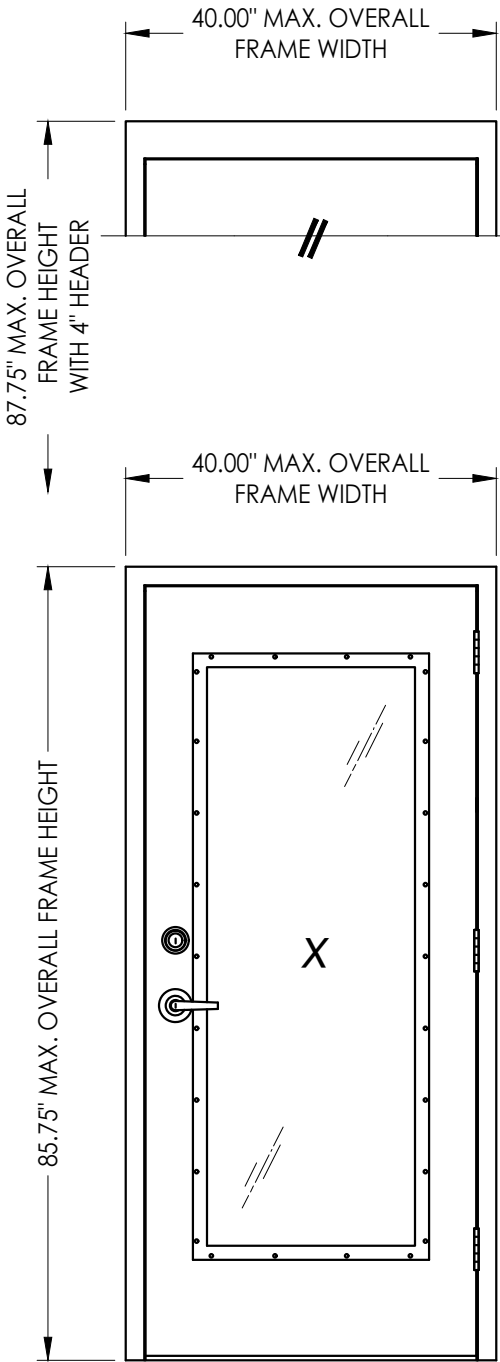
PRIV. DE RIO SANTIAGO #30
COL. LA RAZA
SOLEDAD DE GRACIANO SANCHEZ
SAN LUIS POTOSI, C.P. 78433

"N" SERIES
COMMERCIAL STEEL DOOR
OUTSWING
"NON-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 is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. The "N" door achieves a Class III stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
40.00" x 85.75"	22.50" x 62.50"	+65.0	-70.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 08:02:17 -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

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

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

PRODUCT:
METAL MANUFACTURING INDUSTRIES
"N" STEEL DOOR

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

4

7/11/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

3

7/30/20

UPDATE TO 7TH ED. (2020)

FBC

DAC

2

7/19/17

UPDATE TO 6TH ED. (2017)

FBC

LFS

1

10/14/16

UPDATE TO 5TH ED. (2014)

FBC

JK

NO.

DATE

BY

REVISIONS

DATE: 2/23/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

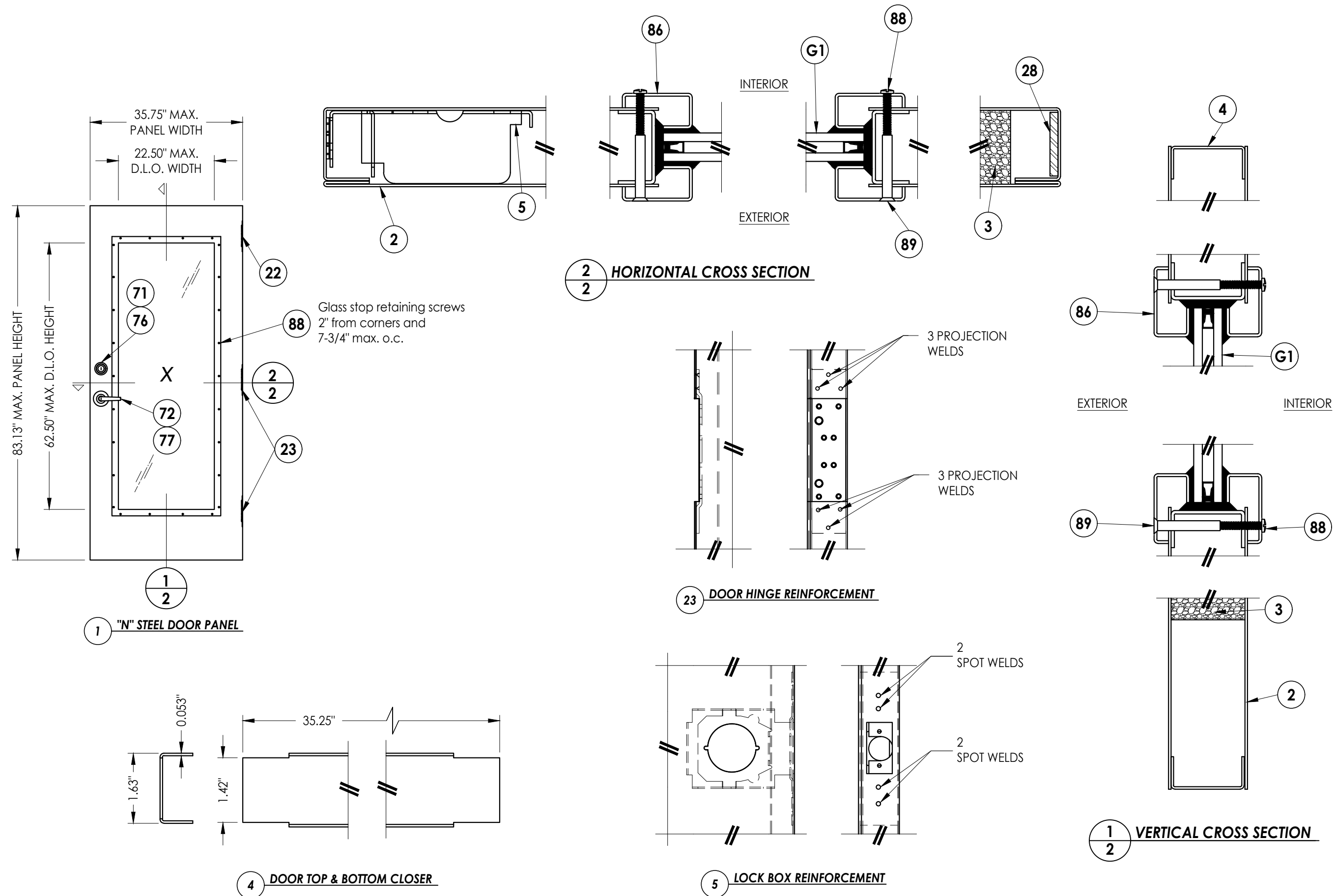
DRAWING NO.: FL-12166.8

SHEET 1 OF 7

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RW

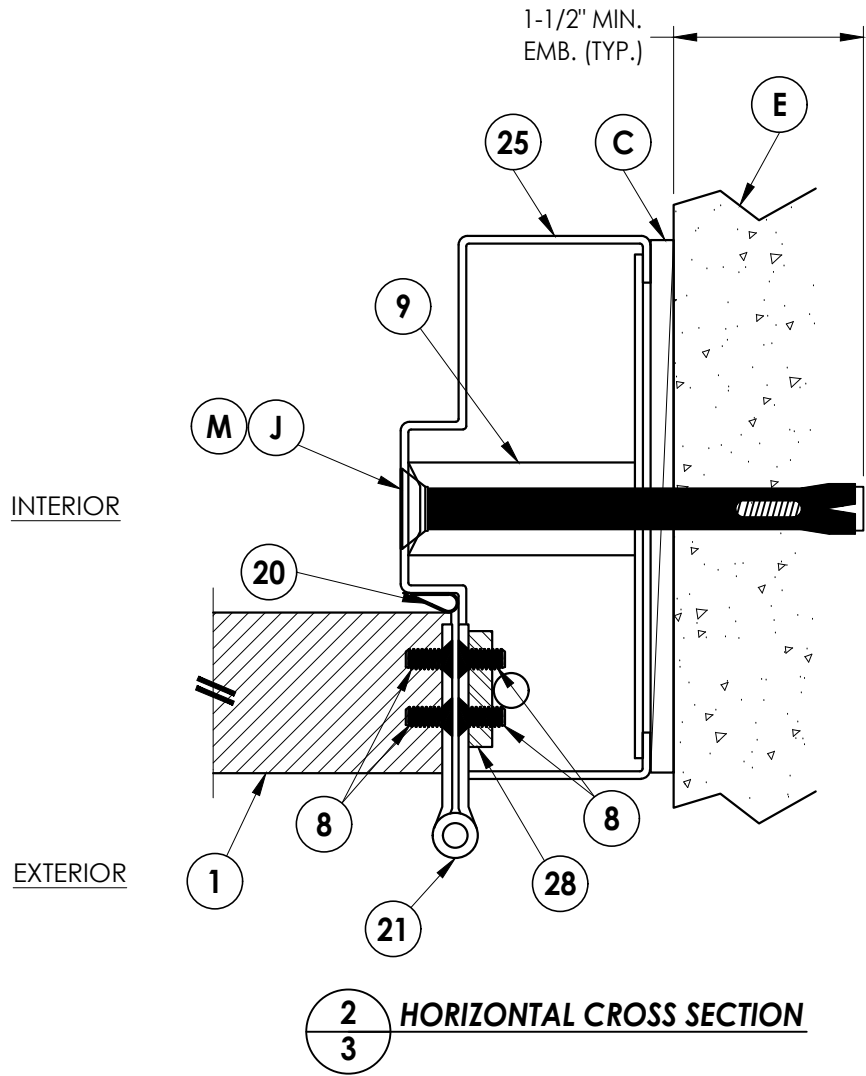
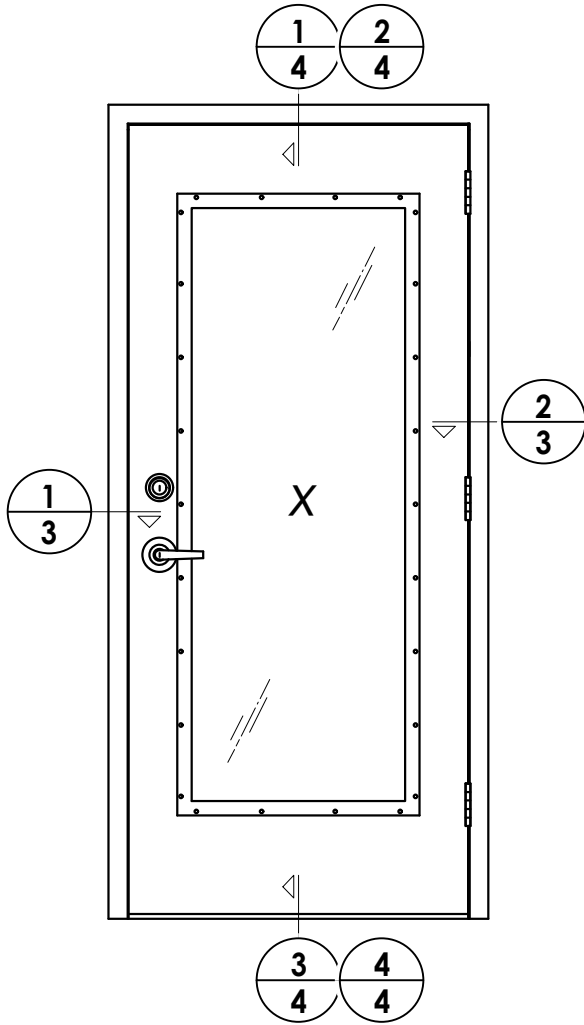
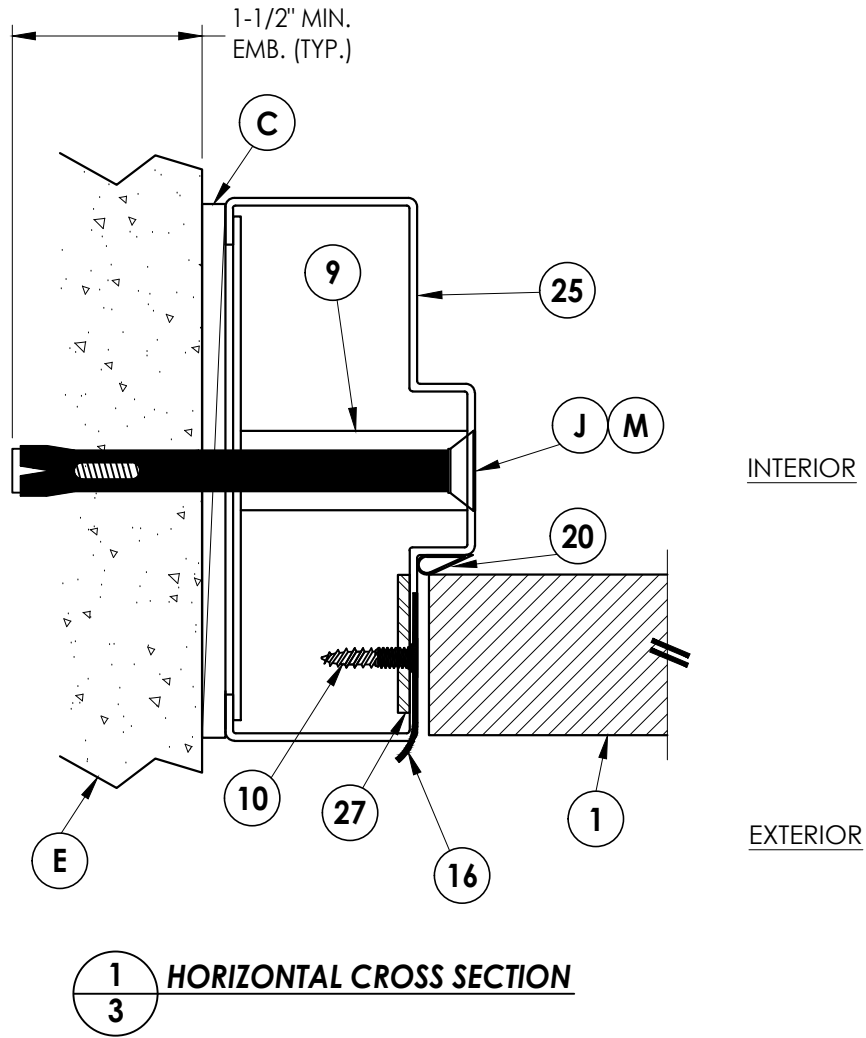
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Phone No.: 813.659.9197
FBPE Registry No. 9813



NOTE: ALL WELDING TO CONFORM w/ AMERICAN WELDING SOCIETY, ANSI/AWS AS PER FBC SECTION 2214.3.4.

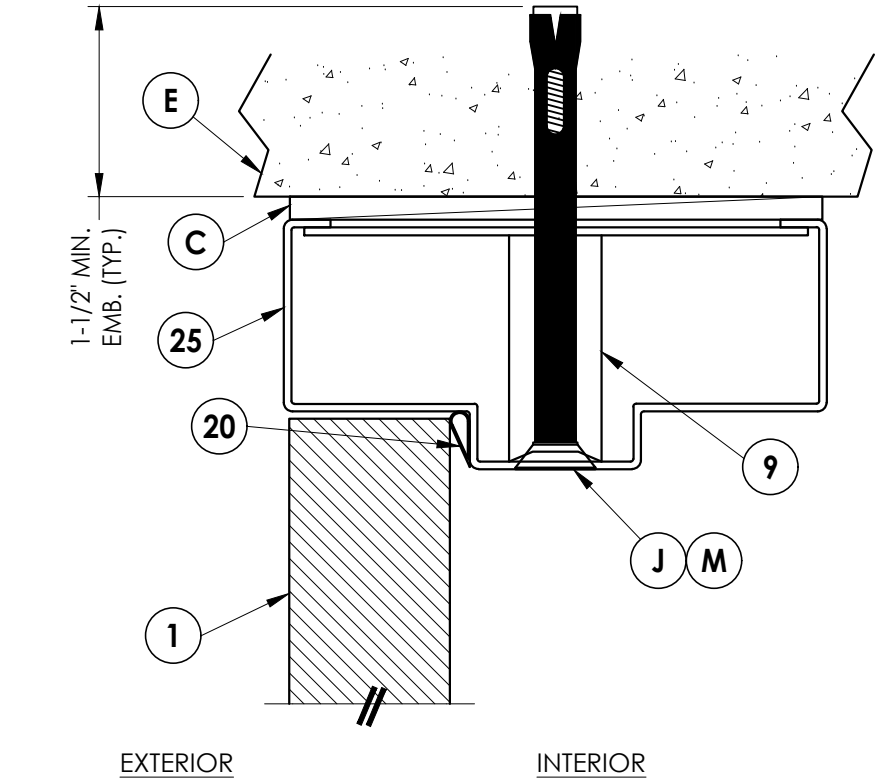
PRODUCT:										METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR																																							
PART OR ASSEMBLY:										DOOR PANEL DETAILS																																							
4										7/11/23										UPDATE TO 8TH ED. (2023)										FBC										LFS									
3										7/30/20										UPDATE TO 7TH ED. (2020)										FBC										DAC									
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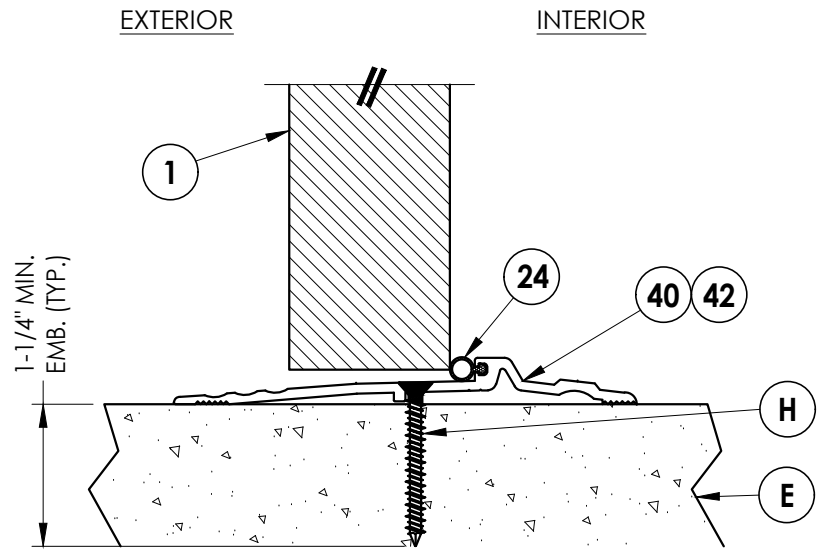


DATE: 2/23/09				SHEET 3 OF 7			
SCALE: N.T.S.				DRAWING NO.: FL-12166.8			
DWG. BY: AL				CHK. BY: LFS			
NO.				DATE			
1				10/14/16			
2				7/19/17			
3				7/30/20			
4				7/11/23			
REVISIONS				BY			
JK				FBC			
LFS				FBC			
DAC				FBC			
LFS				FBC			
PRODUCT:				METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR			
PART OR ASSEMBLY:				HORIZONTAL CROSS SECTIONS			
Documents Prepared By:				Lyndon F. Schmidt P.E. No. 43409			
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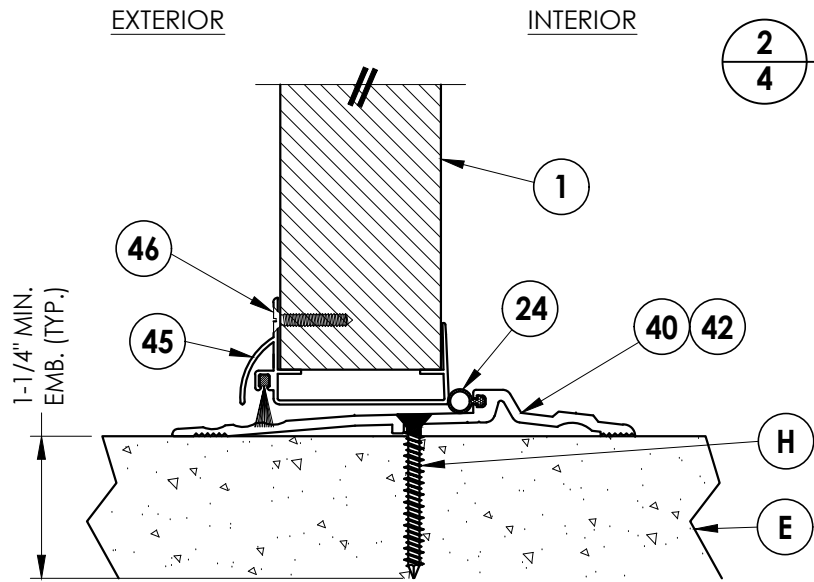
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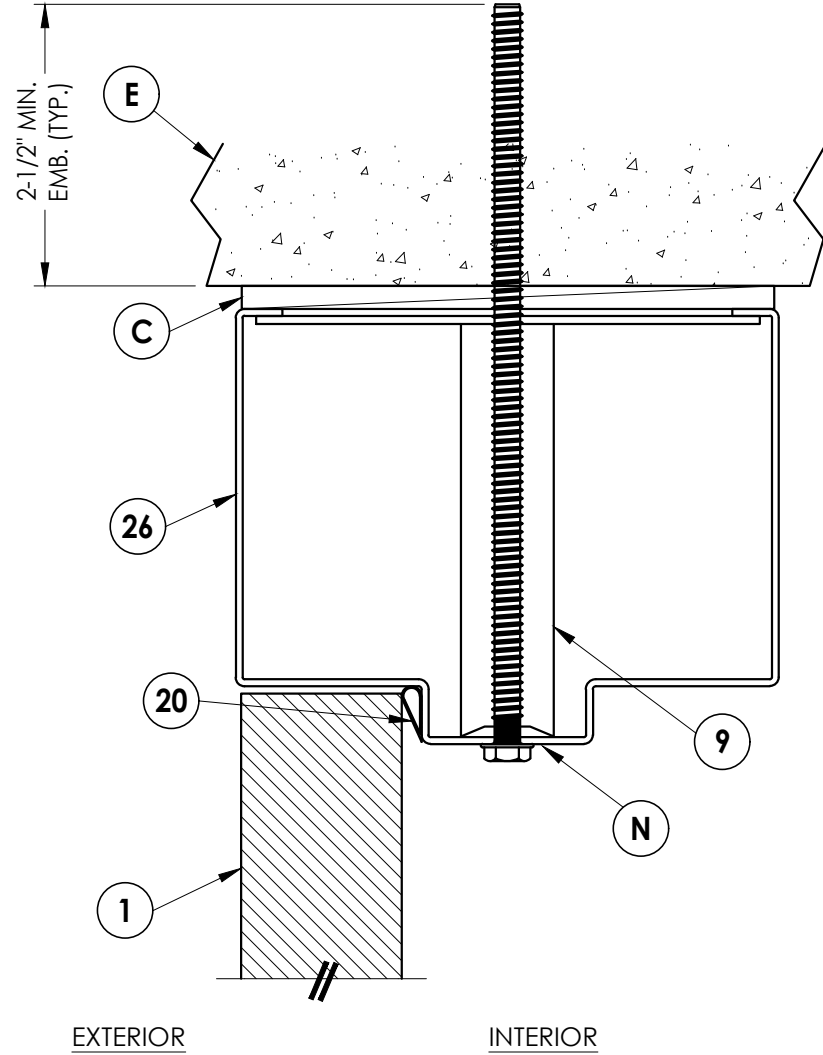
1
4 VERTICAL CROSS SECTION



3
4 VERTICAL CROSS SECTION



4
4 VERTICAL CROSS SECTION



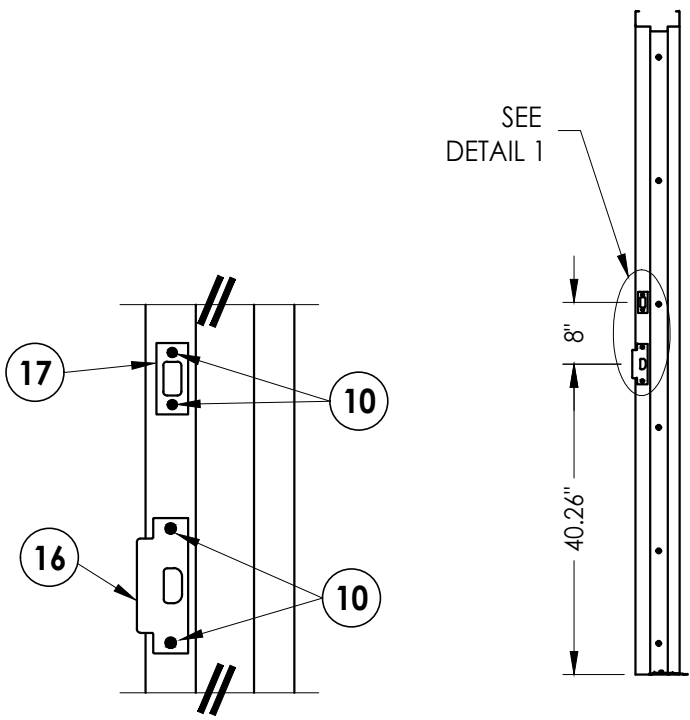
2
4 VERTICAL CROSS SECTION

DATE:		2/23/09
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DRAWING NO.:		FL-12166.8
SHEET		4 OF 7

PRODUCT:		METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS

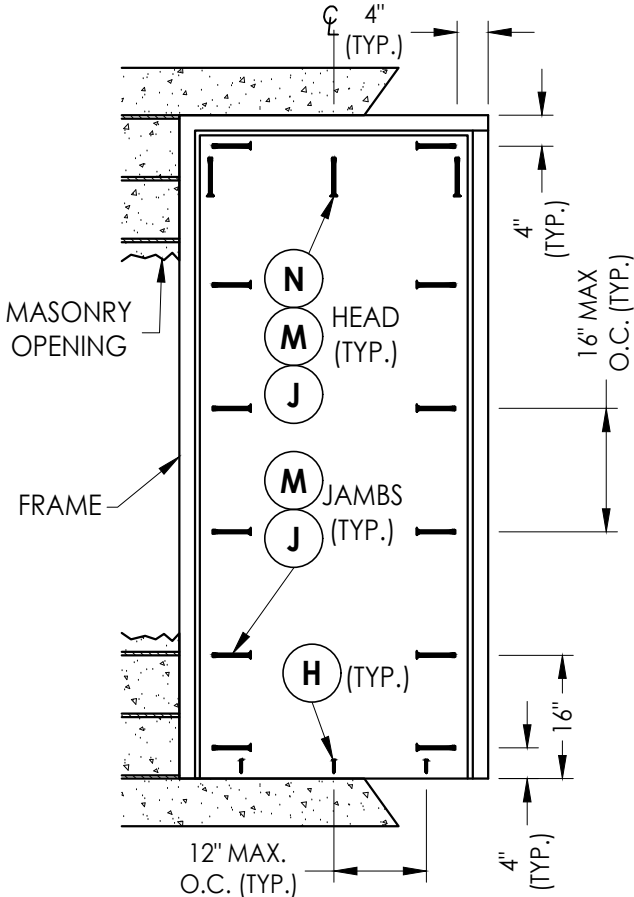
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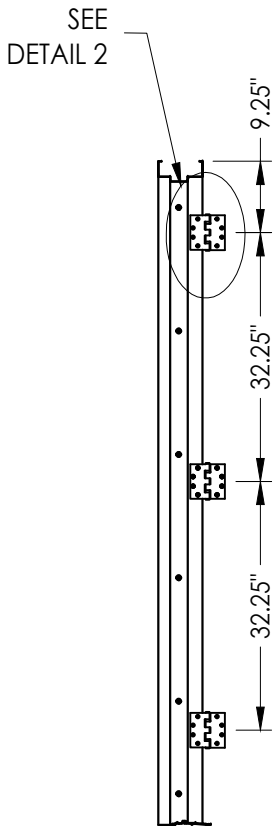


DETAIL 1

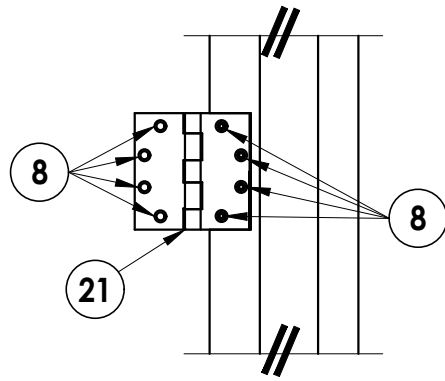
STRIKE JAMB



FRAME ANCHORING



HINGE JAMB



DETAIL 2

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"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
TAPPER	3/8"	1-1/2"	4-1/4"	6"
SCREW-BOLT+™	1/2"	2-1/2"	6"	6"

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

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

PRODUCT:
METAL MANUFACTURING
INDUSTRIES
"N" STEEL DOOR

PART OR ASSEMBLY:
ANCHORING DETAILS

DATE: 2/23/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.: FL-12166.8

SHEET 5 OF 7

REVISIONS

NO.	DATE	BY
4	7/11/23	LFS
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2	7/19/17	LFS
1	10/14/16	JK

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SHEET	6 OF 7

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