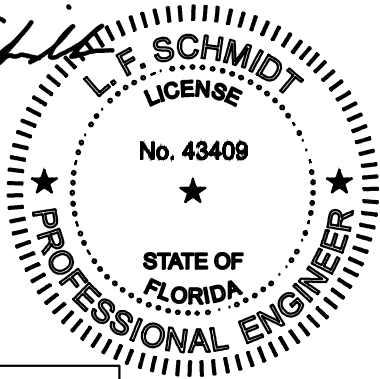




PRIV. DE RIO SANTIAGO #30
COL. LA RAZA
SOLEDAD DE GRACIANO SANCHEZ
SAN LUIS POTOSI, C.P. 78433

'N' SERIES
SINGLE OPAQUE DOOR
"IMPACT"
OUTSWING

Digitally signed
by Lyndon F
Schmidt
Date: 2023.07.10
14:11:10 -04'00'



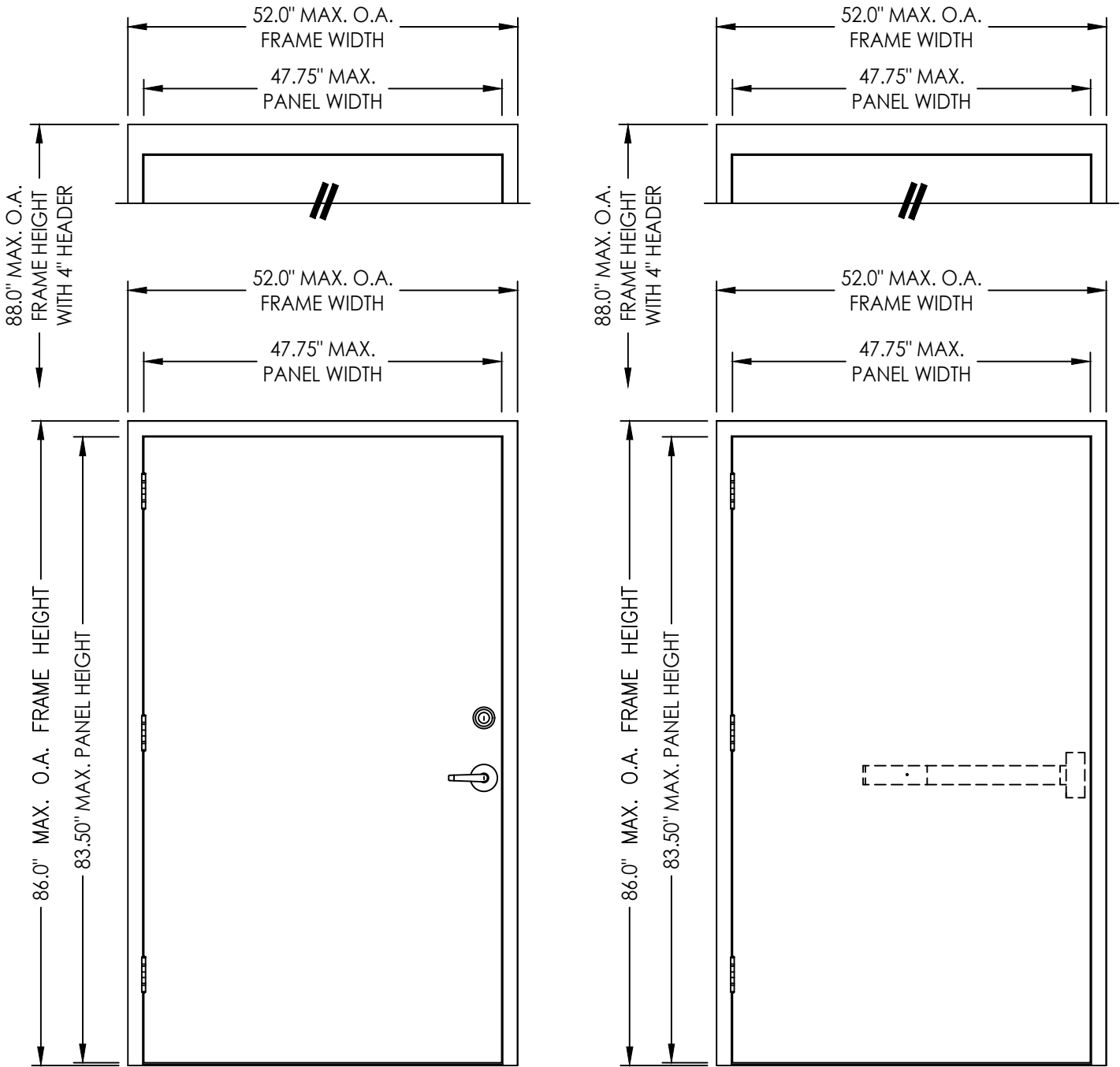
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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 Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.2 of the FBC.
4. The "N" door achieves a Class III stiffness classification per Section 8.2.2 of ANSI A250.13.
5. 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	Horizontal cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Buck and frame anchoring
8	Anchoring details
9	Components
10	Bill of materials and components



"N" DOOR

"N" DOOR

DOOR TYPE	FRAME TYPE	OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
N	2" HEAD	52.0" x 86.0"	DESIGN LATCH & DEADBOLT OR VONDUPRIN RIM PANIC HH99EO	+55.0	-55.0
	4" HEAD	52.0" x 88.0"			

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

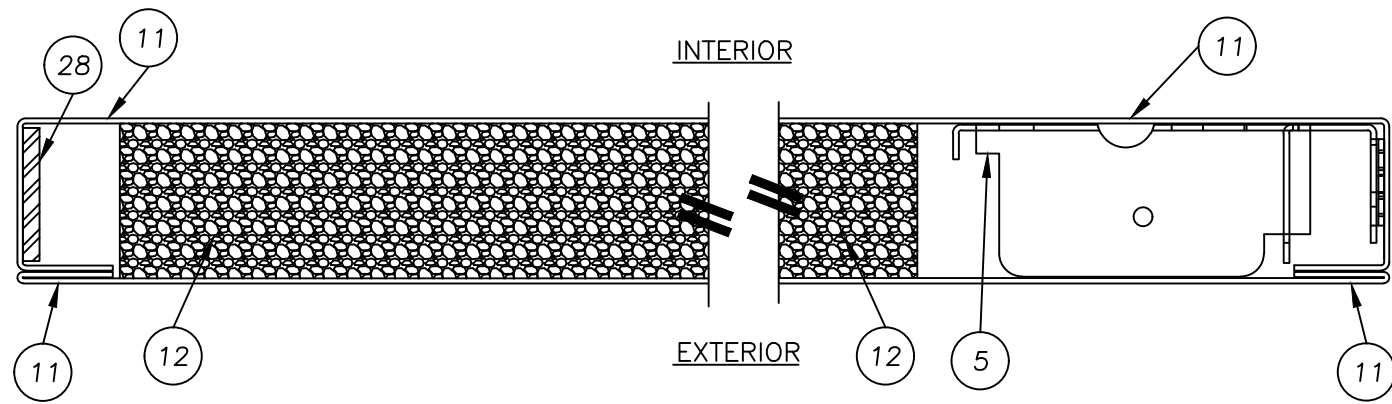
PRODUCT:
MMI
"N" PANELS "IMPACT"

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

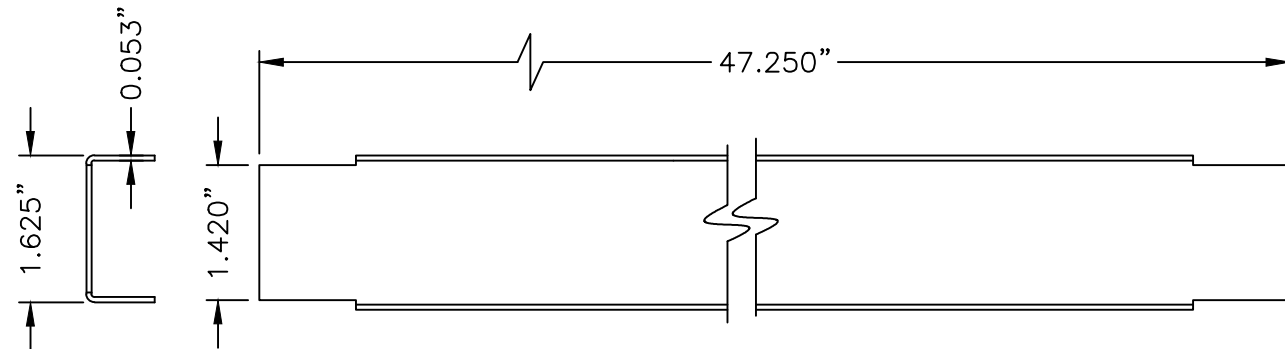
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	7/10/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	7/13/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	7/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK	

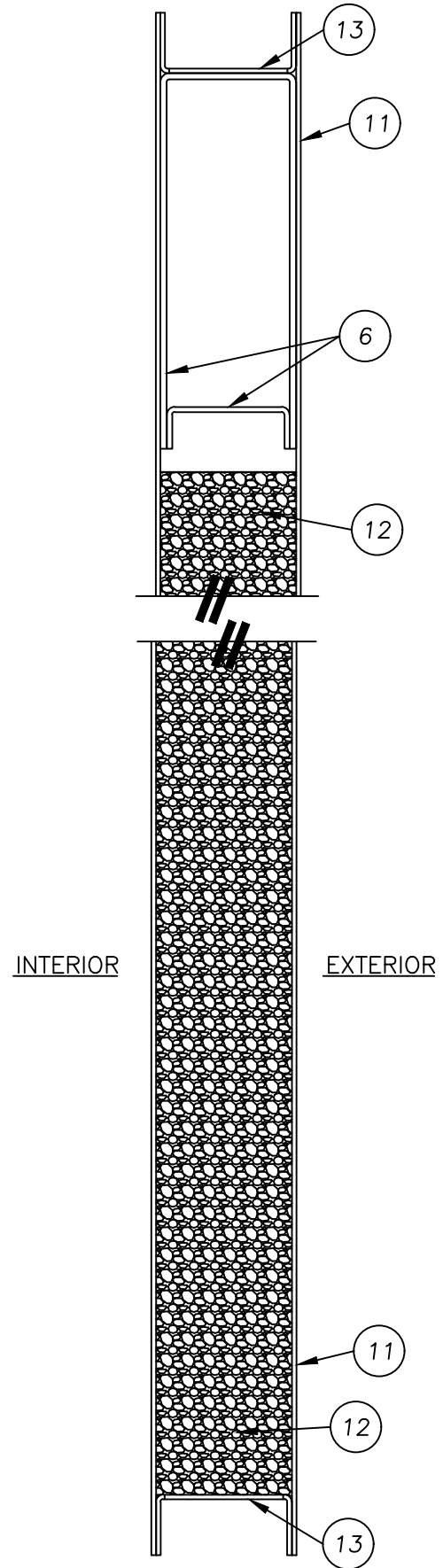
DATE: 02/18/09
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-12161.3
SHEET 1 OF 10



A diagram showing a horizontal cross-section of a cylinder. A circle is divided by a horizontal line into two equal halves. The top half is labeled with the number '2'. To the right of the circle, the text 'HORIZONTAL CROSS SECTION' is written.



13 DOOR TOP & BOTTOM CLOSER
16GA. (.053) C.R.S.



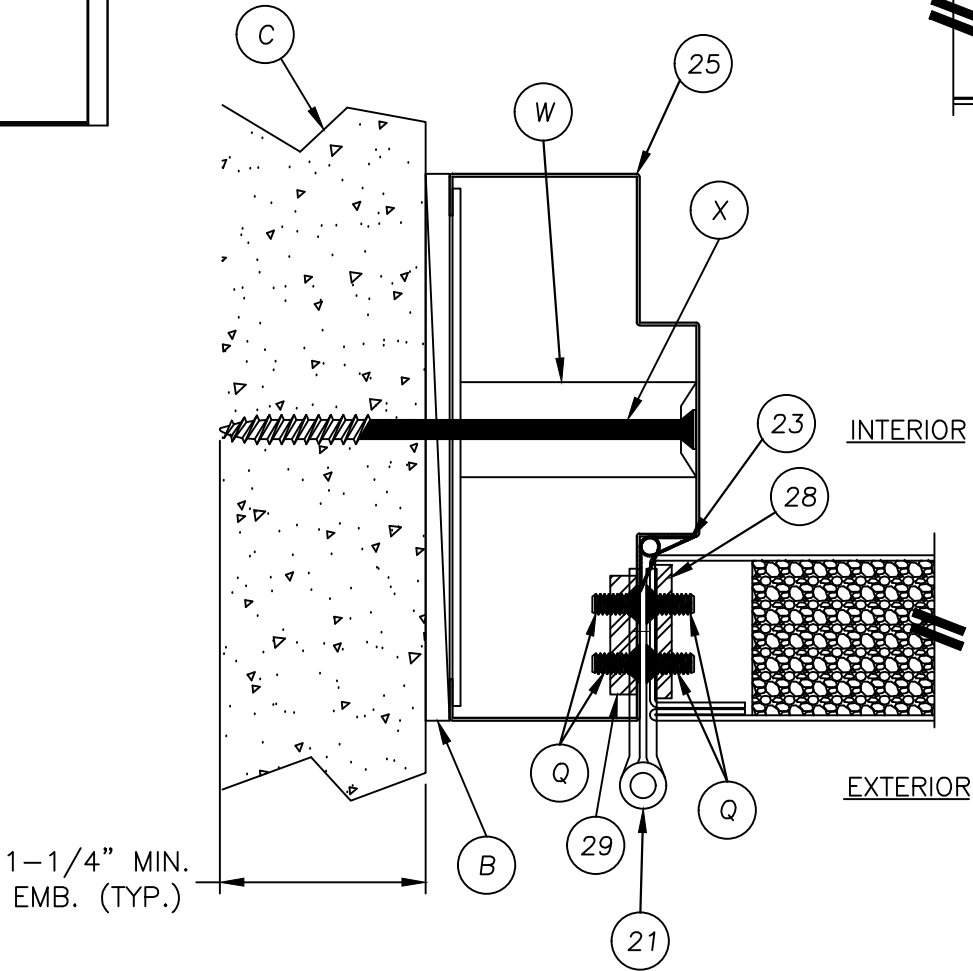
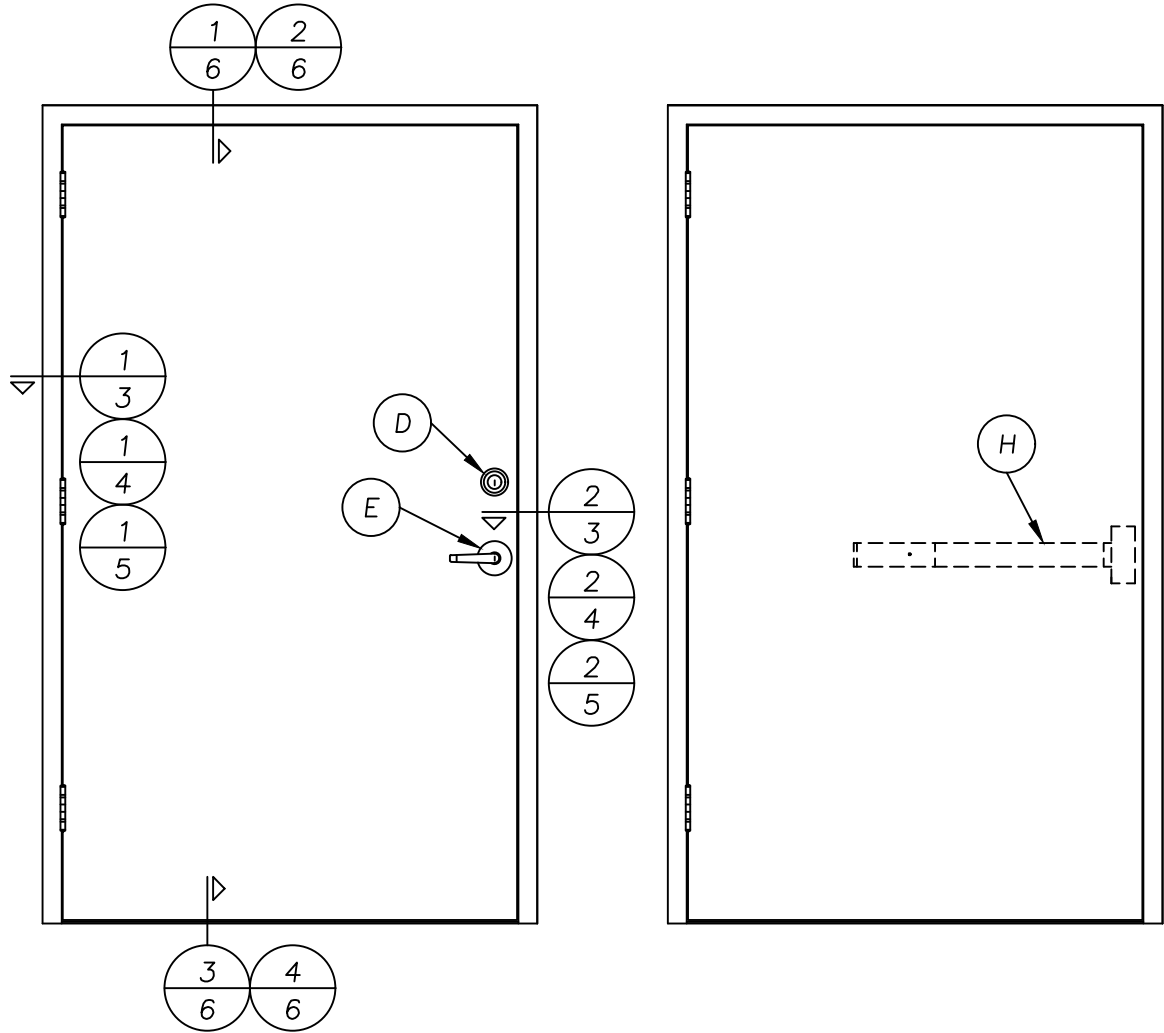
1 VERTICAL CROSS SECTION
2

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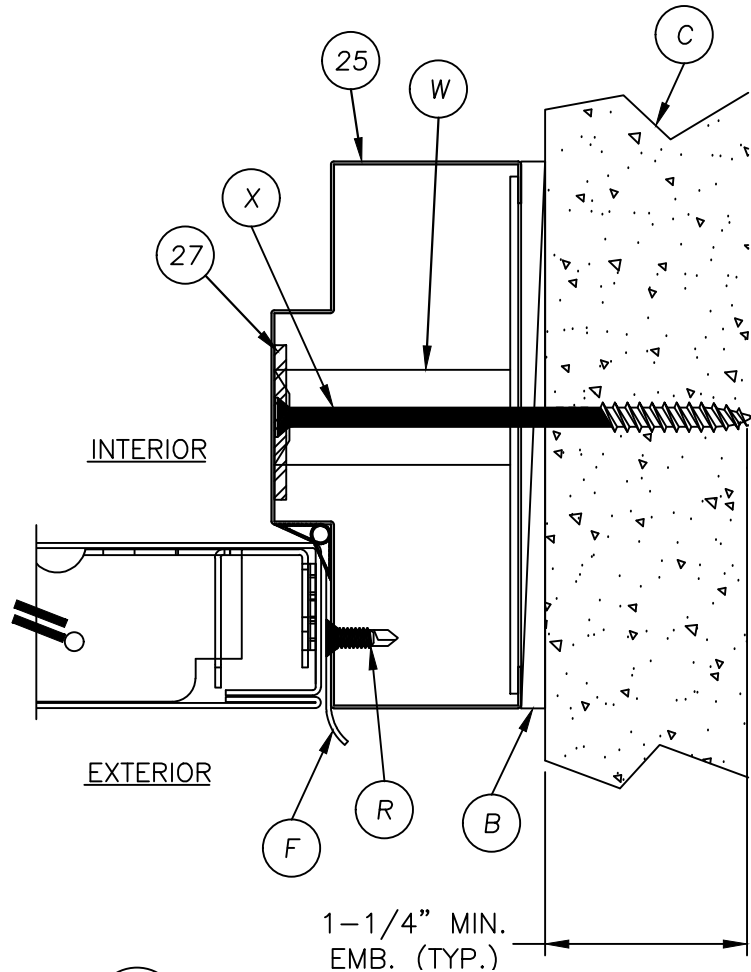
SHEET 2 OF 10

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1
3 HORIZONTAL CROSS SECTION
@ HINGE
SHOWN WITH TUBE ANCHOR



2
3 HORIZONTAL CROSS SECTION
@ HINGE
SHOWN WITH TUBE ANCHOR

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MMI
"N" PANELS "IMPACT"

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/10/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	7/13/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	10/14/16	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/18/09

SCALE: N.T.S.

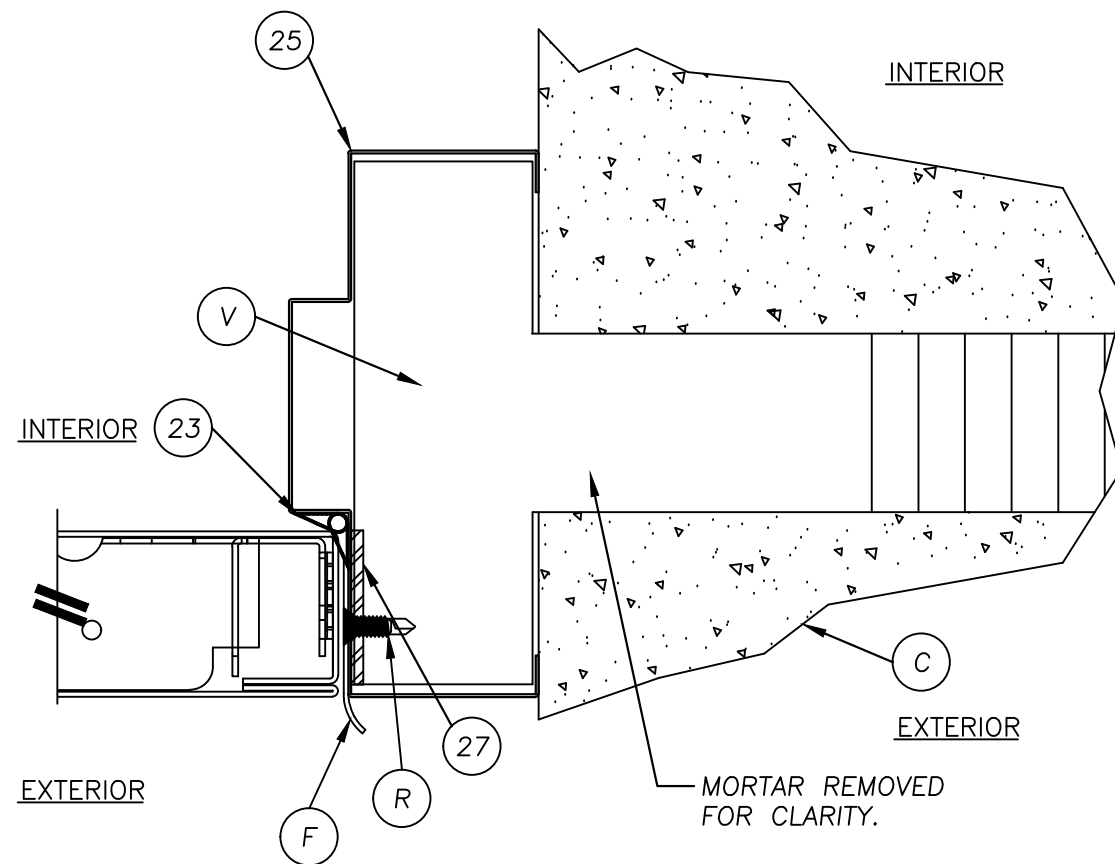
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-12161.3

SHEET 3 OF 10

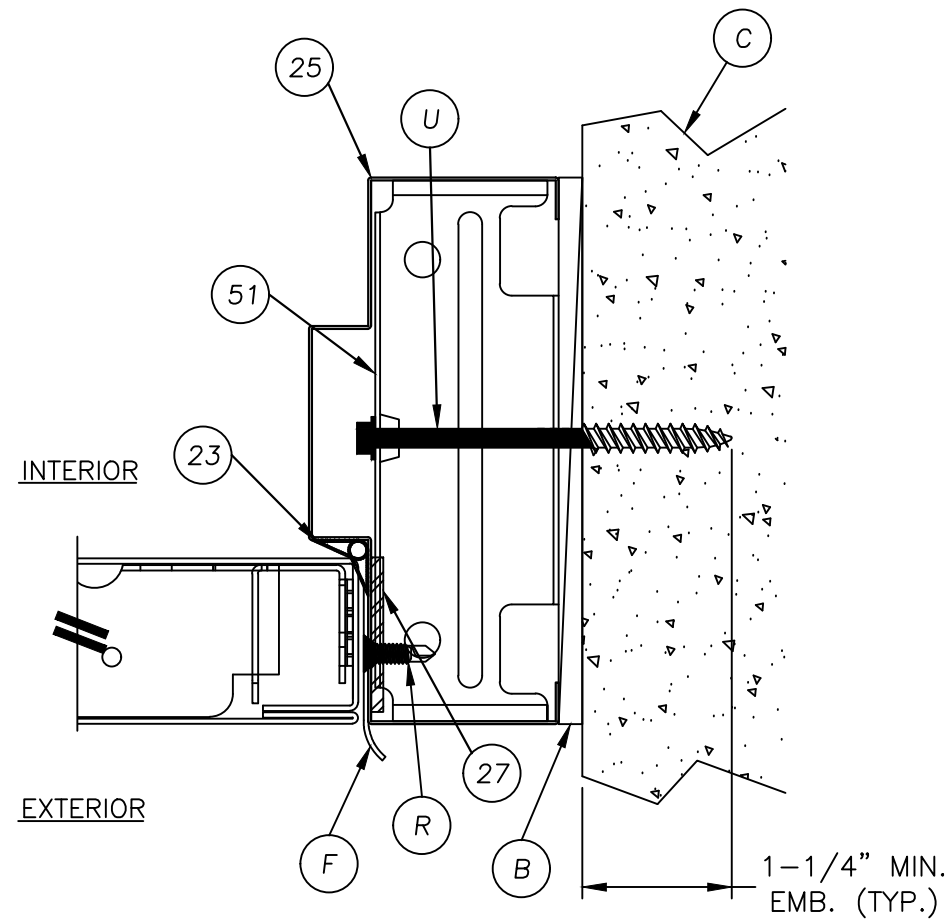
1 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR



2 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR

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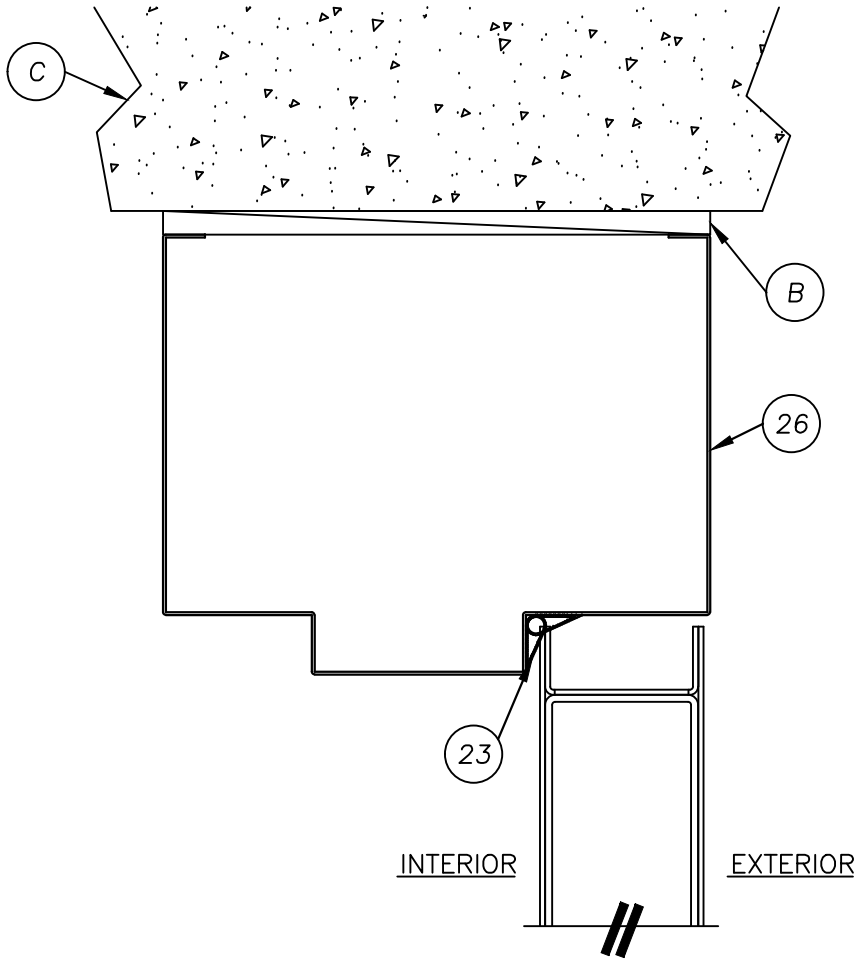
1 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



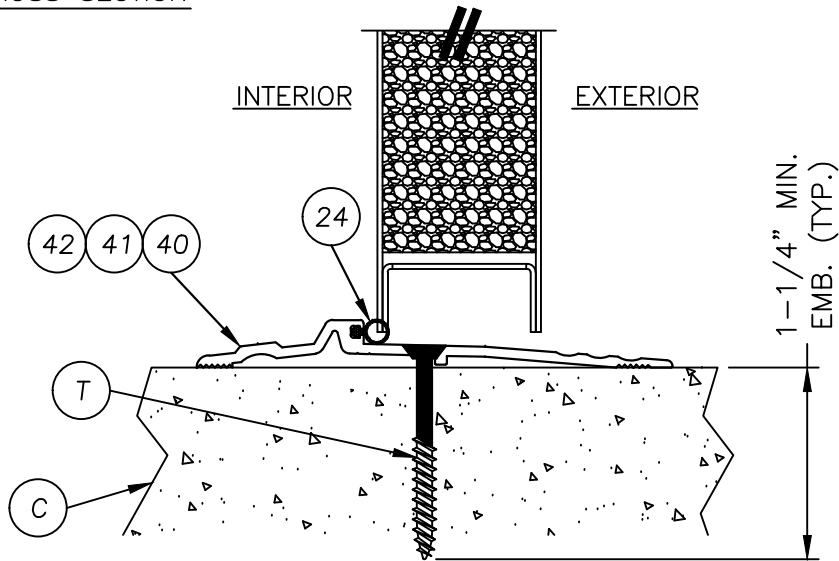
2 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR

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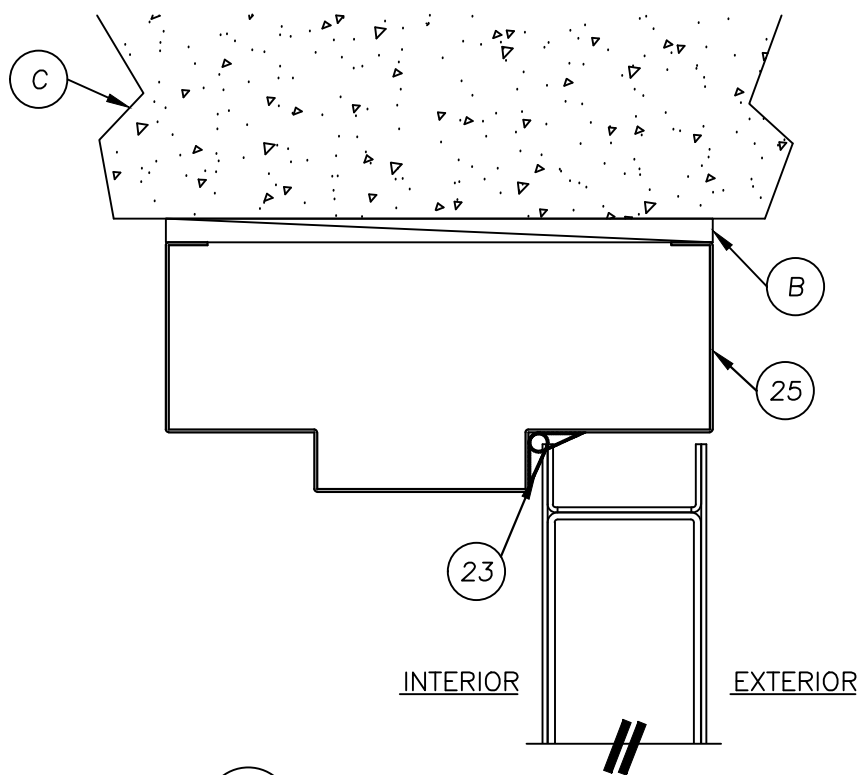
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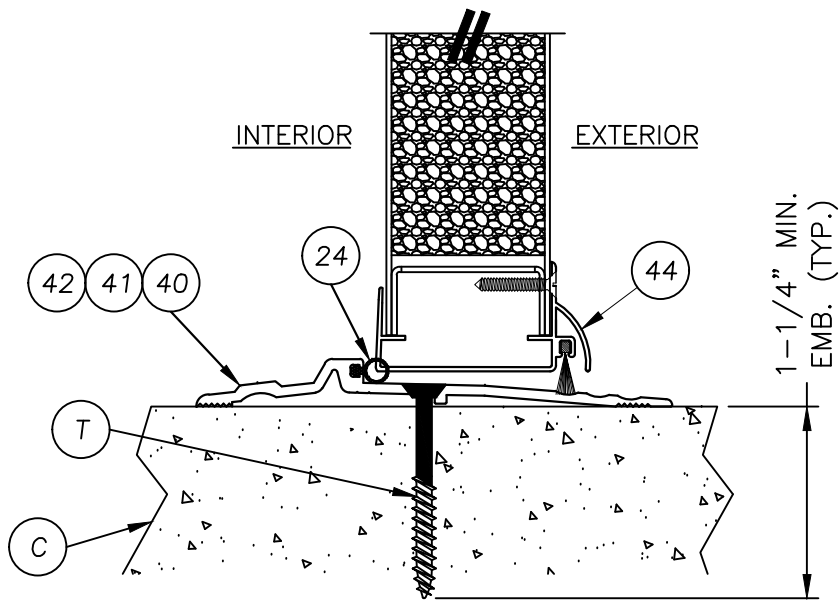
1
6 VERTICAL CROSS SECTION
@ HEAD



3
6 VERTICAL CROSS SECTION
@ THRESHOLD



2
6 VERTICAL CROSS SECTION
@ HEAD



4
6 VERTICAL CROSS SECTION
@ THRESHOLD

Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
MMI
"N" PANELS "IMPACT"

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
4	7/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	7/13/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	10/14/16	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/18/09

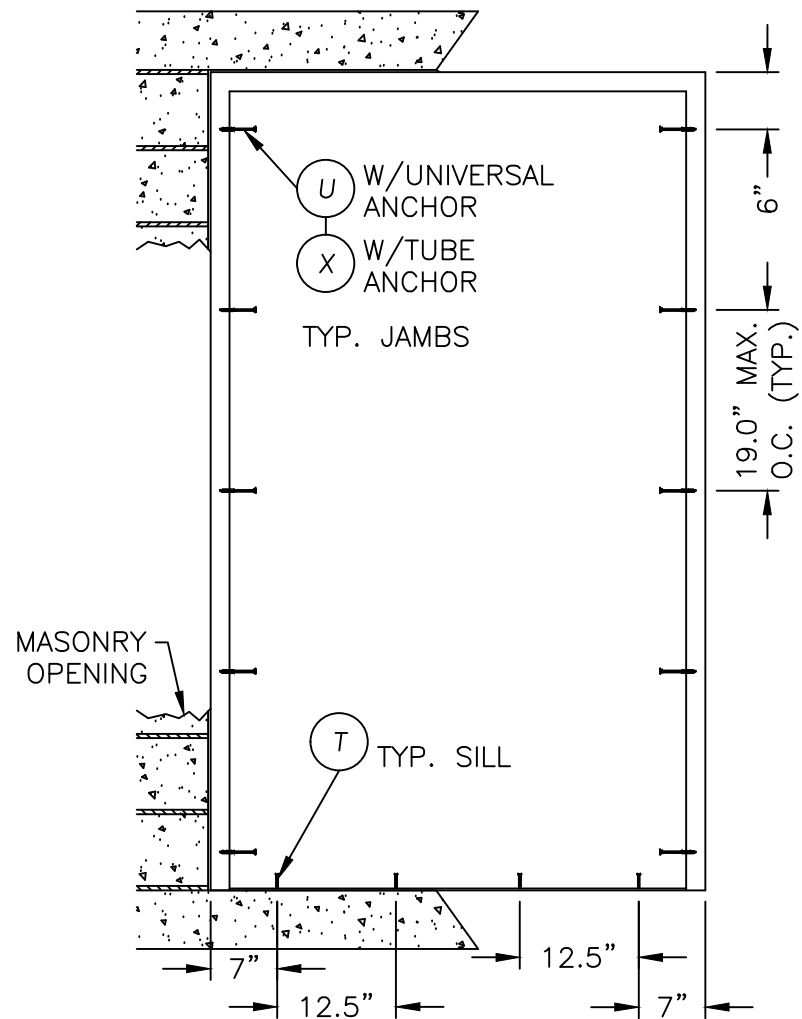
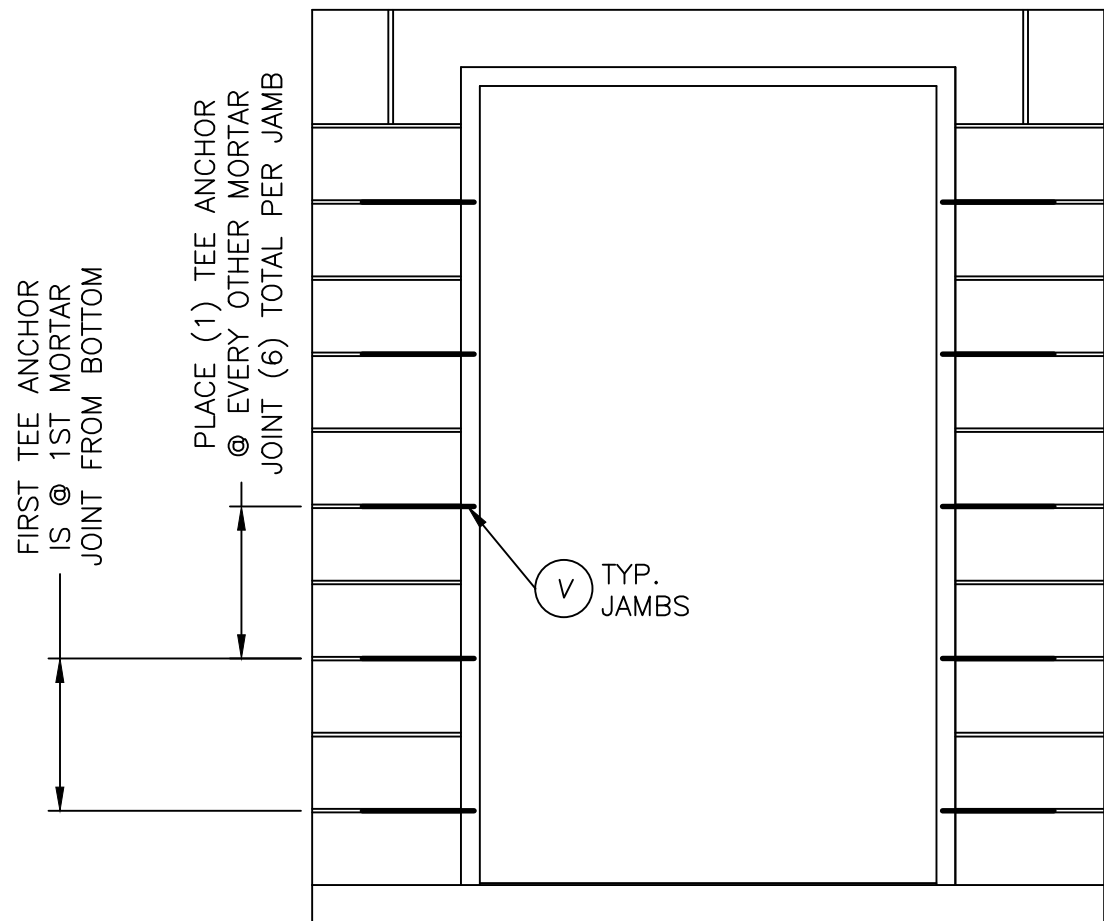
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-12161.3

SHEET 6 OF 10

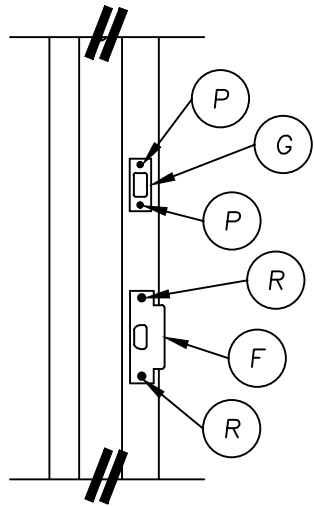


CONCRETE ANCHOR NOTES:

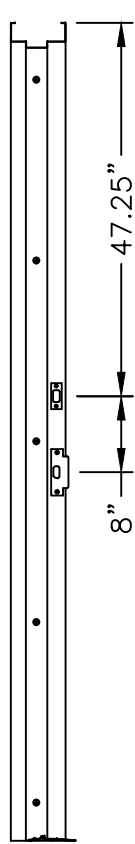
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	5/16"	1-1/4"	3-1/8"	5"

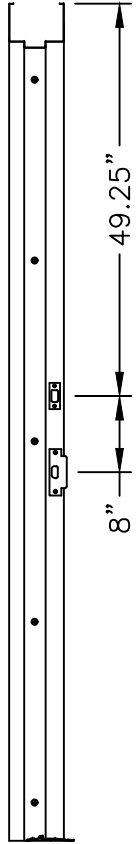
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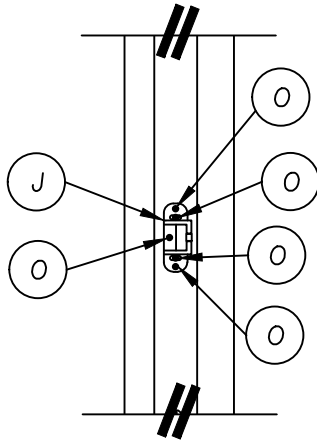
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT



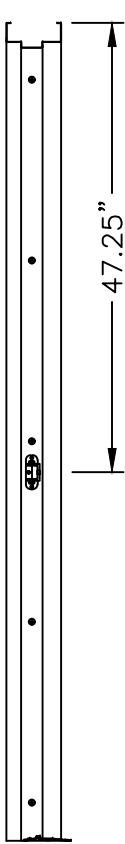
STRIKE PLATE
LOCATIONS 2" HEAD



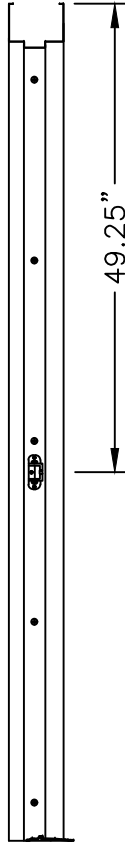
STRIKE PLATE
LOCATIONS 4" HEAD



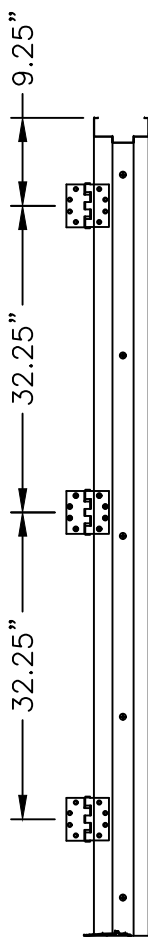
RIM STRIKE DETAIL



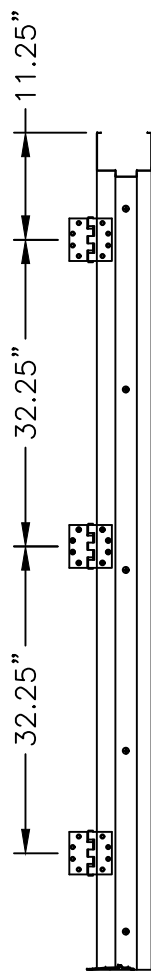
STRIKE PLATE
LOCATION 2" HEAD



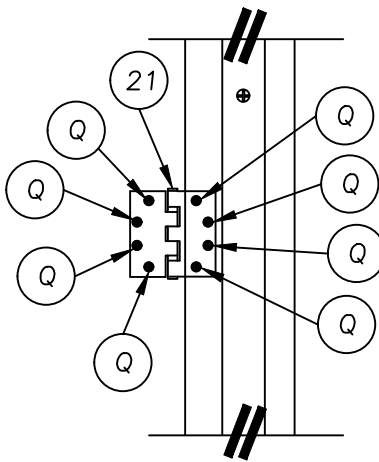
STRIKE PLATE
LOCATION 4" HEAD



HINGE LOCATIONS
2" HEAD



HINGE LOCATIONS



HINGE DETAIL

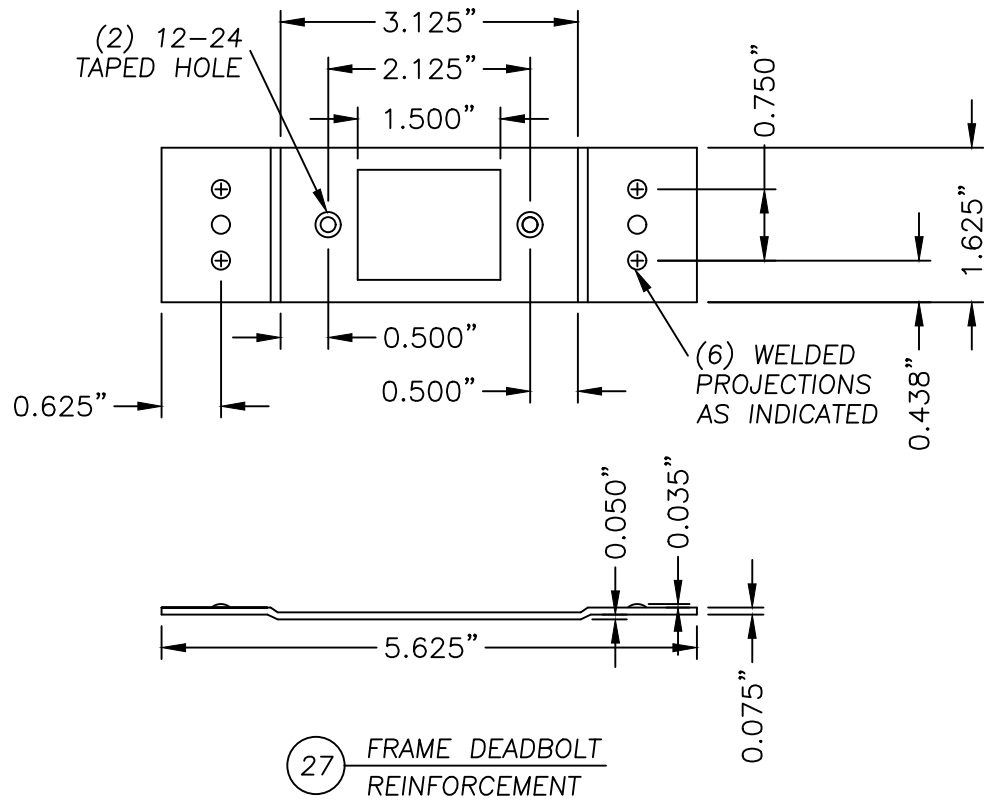
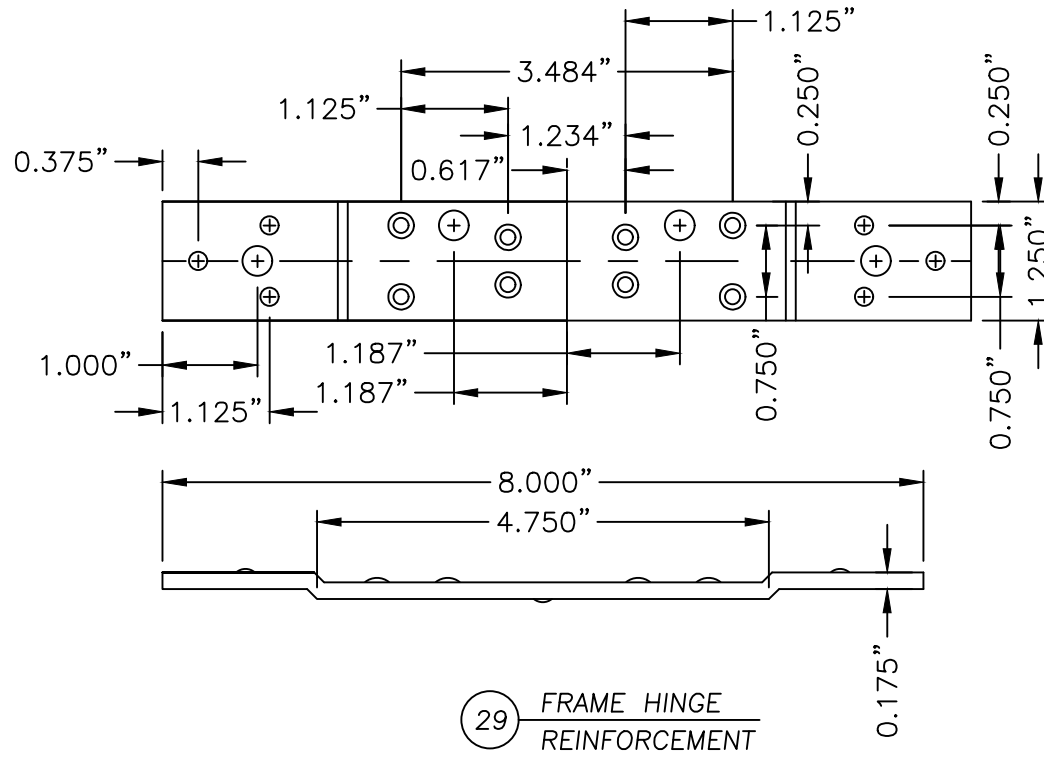
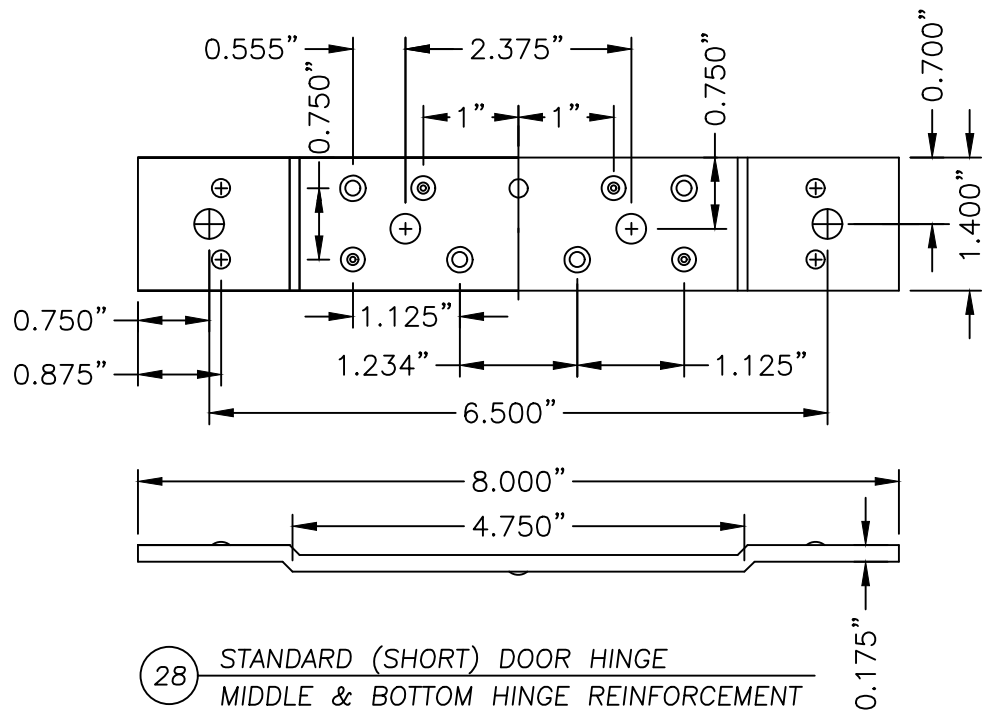
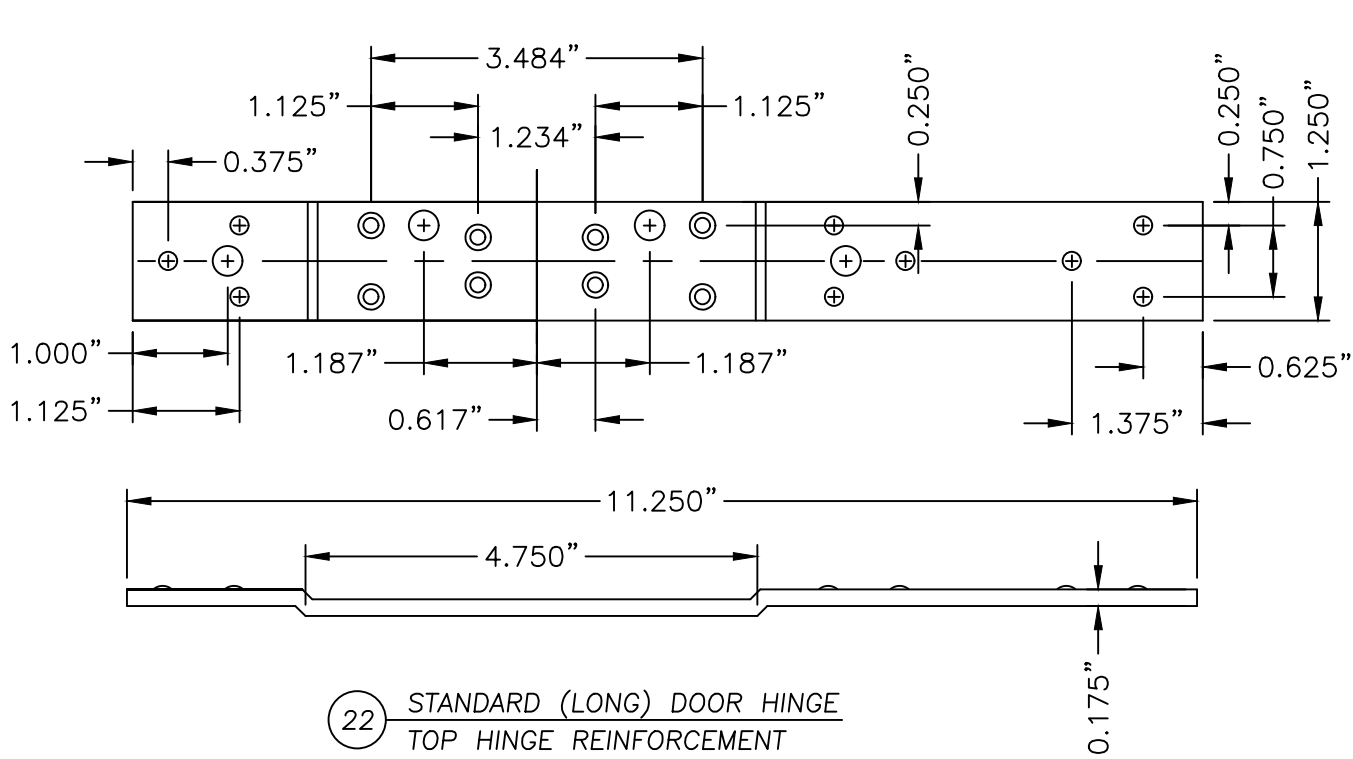
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3	7/30/20	UPDATE TO 7TH ED.	(2020)	FBC LFS
2	7/13/17	UPDATE TO 6TH ED.	(2017)	FBC LFS
1	10/14/16	UPDATE TO 5TH ED.	(2014)	FBC JK
NO.	DATE			BY

DATE:	02/18/09
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-12161.3
SHEET	8 OF 10

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

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FBPE Registry No. 9813

PRODUCT:
MMI
"N" PANELS "IMPACT"

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
4	7/10/23	UPDATE TO 8TH ED. (2023) FBC
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC
2	7/13/17	UPDATE TO 6TH ED. (2017) FBC
1	10/14/16	UPDATE TO 5TH ED. (2014) FBC

DATE:	02/18/09
SCALE:	N.T.S.
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DRAWING NO.:	FL-12161.3
SHEET	9 OF 10

