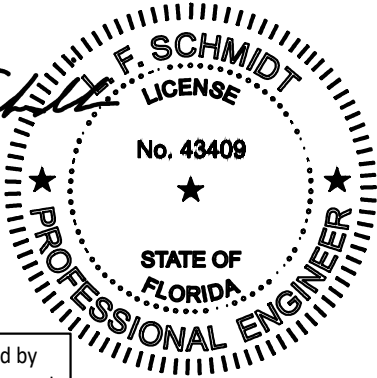




'N' SERIES
SINGLE OPAQUE DOOR
"IMPACT"
OUTSWING

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

Digitally signed
by Lyndon F Schmidt
Date: 2023.07.10
14:02:05 -04'00'

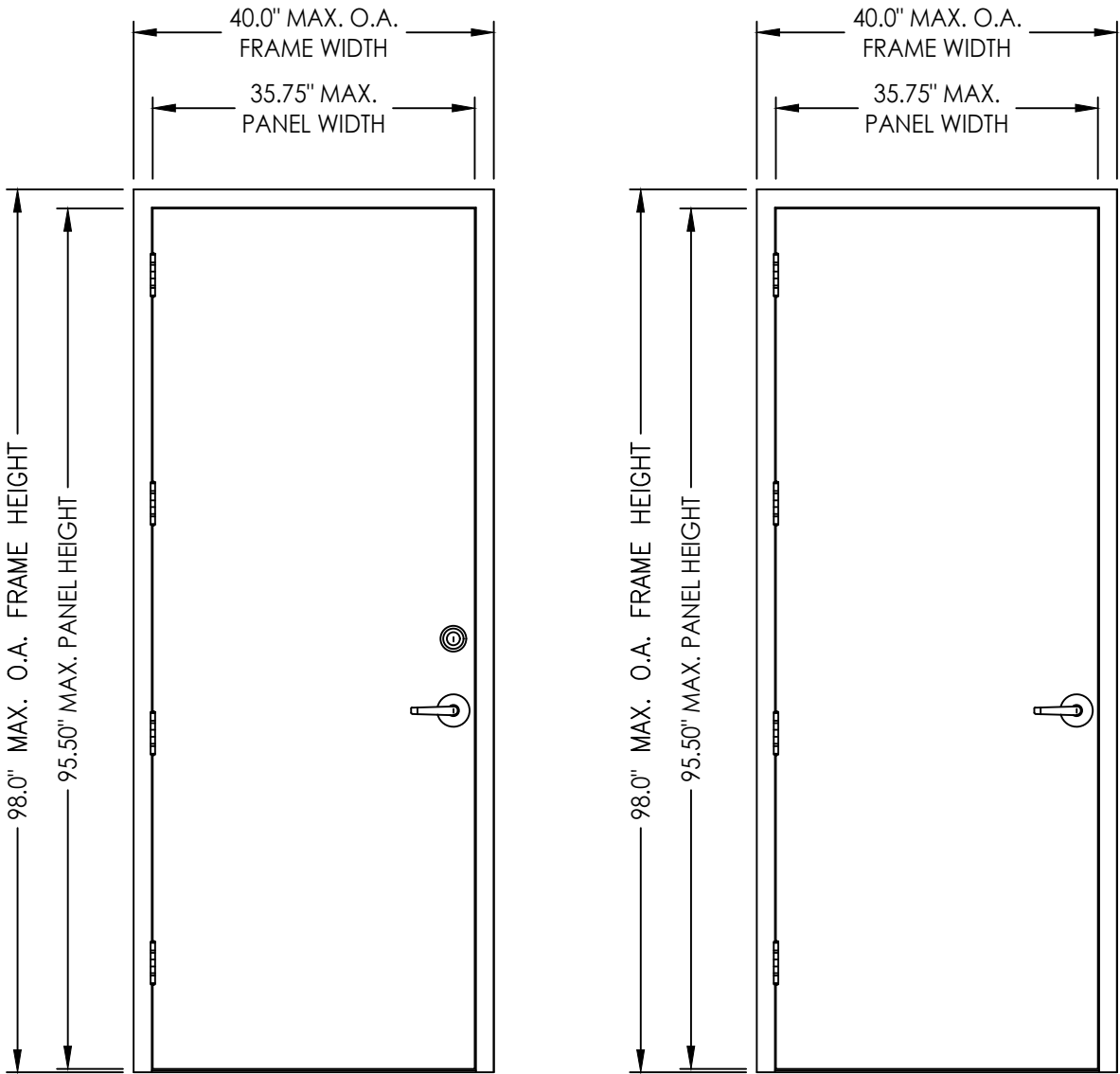


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- The "N" door achieves a Class III stiffness classification per Section 8.2.2 of ANSI A250.13.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



"N " DOOR

"N" DOOR

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

DOOR TYPE	OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
N	40.0" x 98.0"	DESIGN LATCH & DEADBOLT	+80.0	-80.0
		SCHLAGE LATCH & DEADBOLT	+80.0	-80.0
		SCHLAGE LATCH	+55.0	-55.0

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

PRODUCT:
MMI
"N" PANELS "IMPACT"

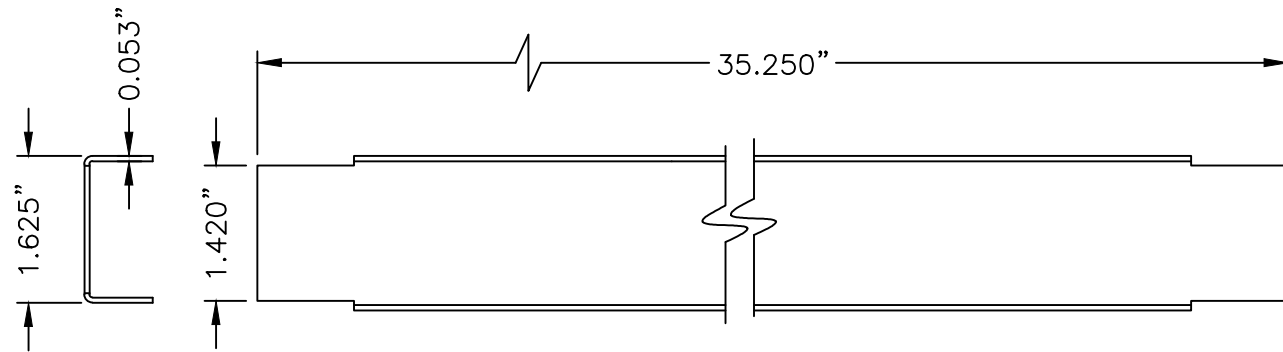
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TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

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1	10/14/16	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

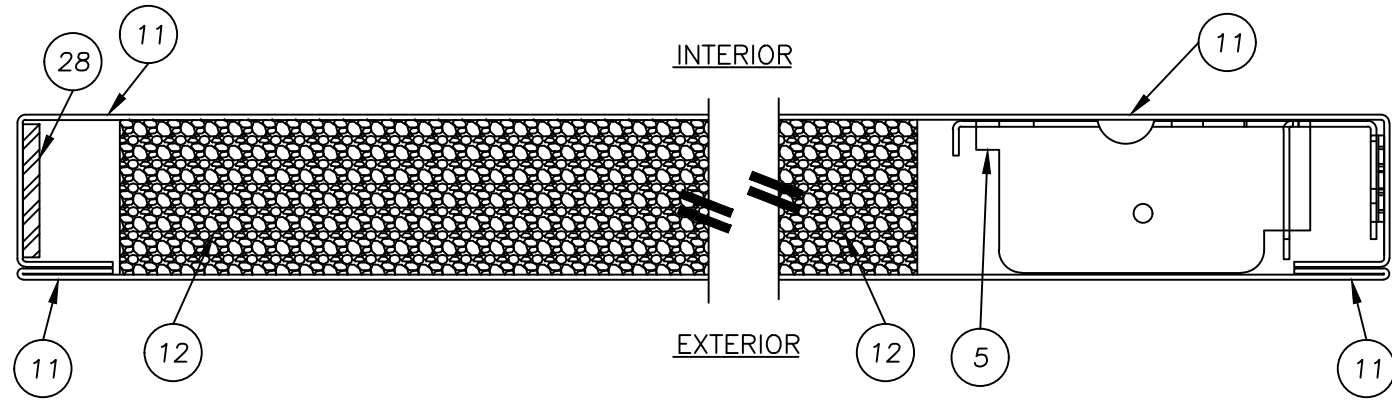
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CHK. BY: LFS
DRAWING NO.: FL-12161.1
SHEET 1 OF 10

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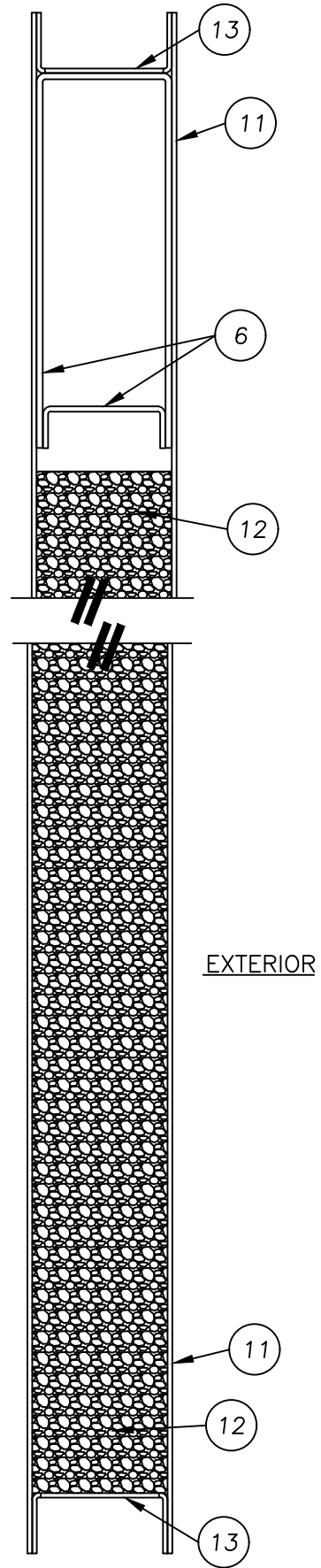
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13 DOOR TOP & BOTTOM CLOSER
16GA. (.053) C.R.S.



2 HORIZONTAL CROSS SECTION
2



1 VERTICAL CROSS SECTION
2

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1	10/14/16	UPDATE TO 5TH ED.	(2014)	FBC	JK
NO.	DATE				BY

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SHEET 2 OF 10

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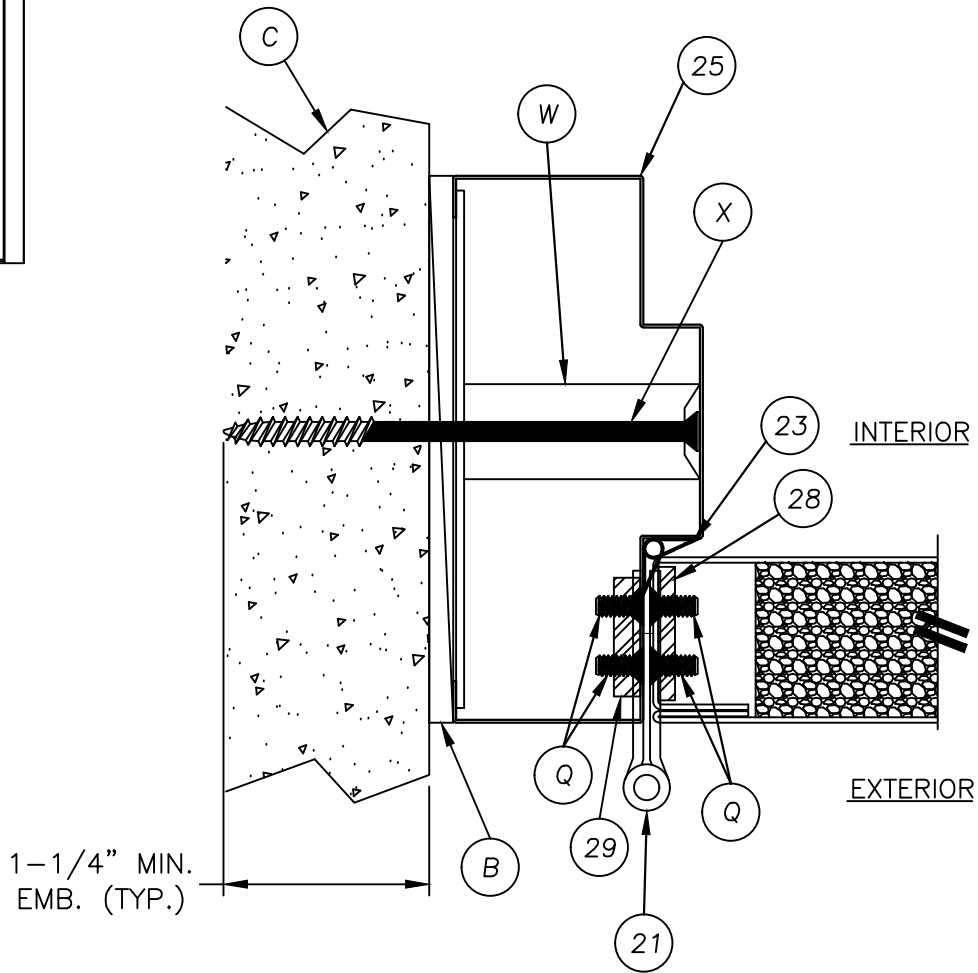
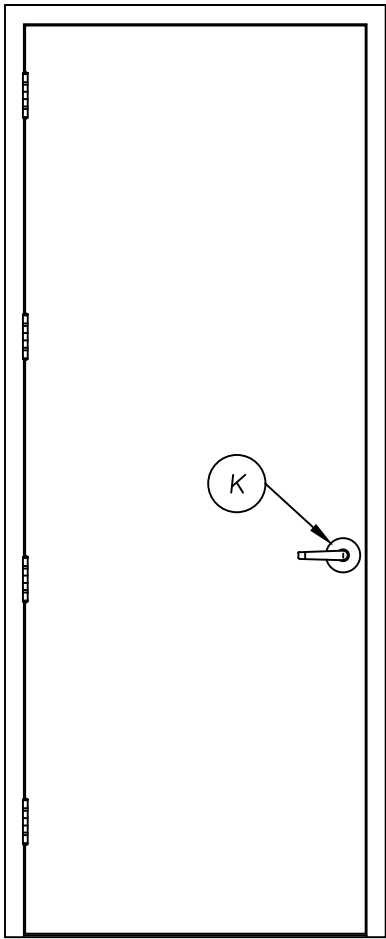
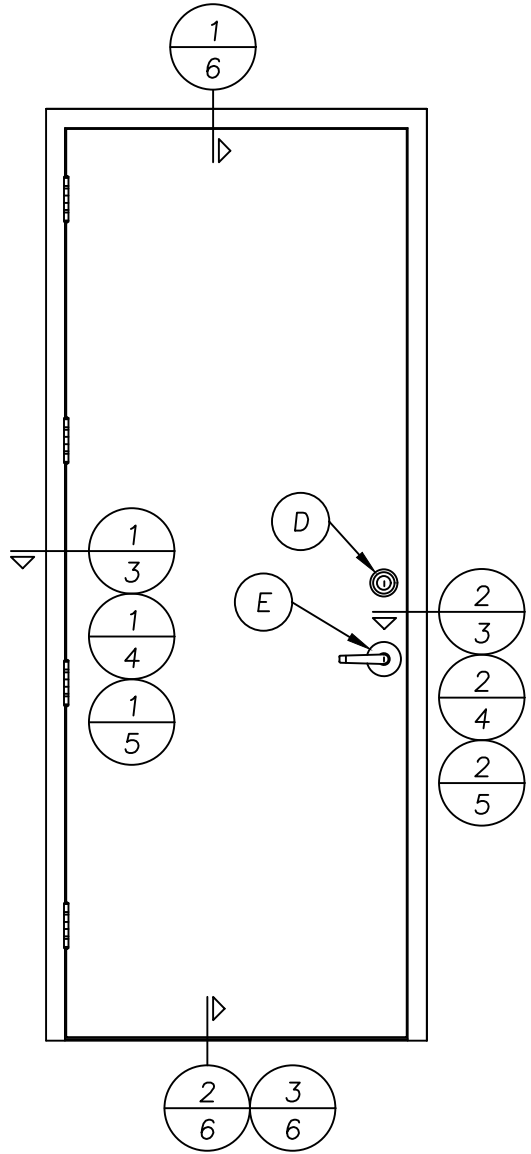
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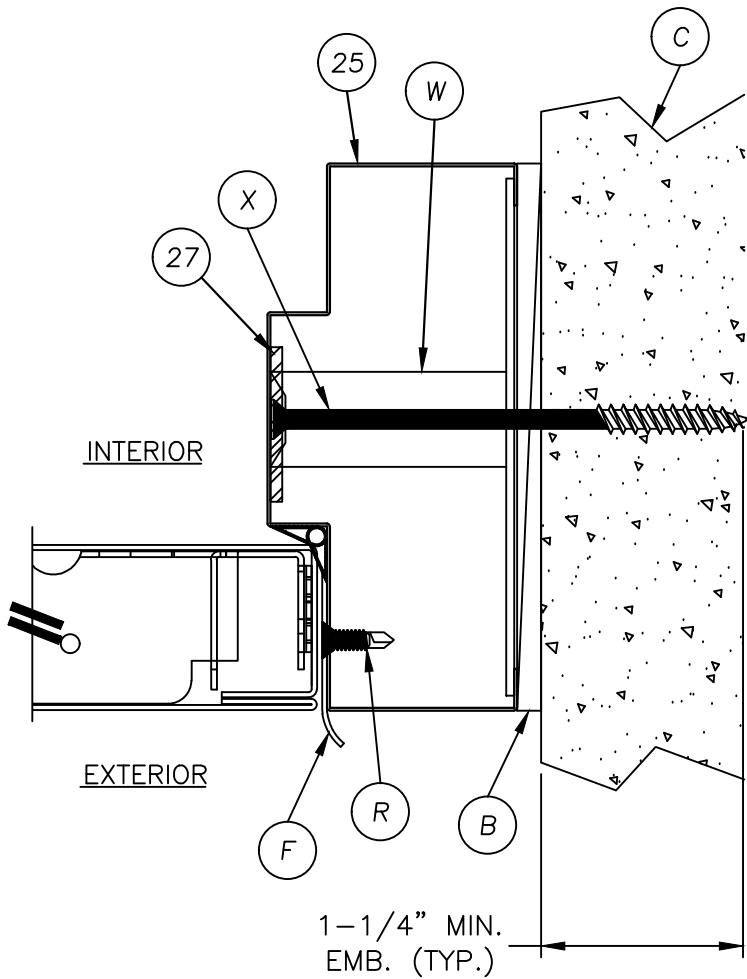
DOOR PANEL DETAILS

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1 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR

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P.E. No. 43409

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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
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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.

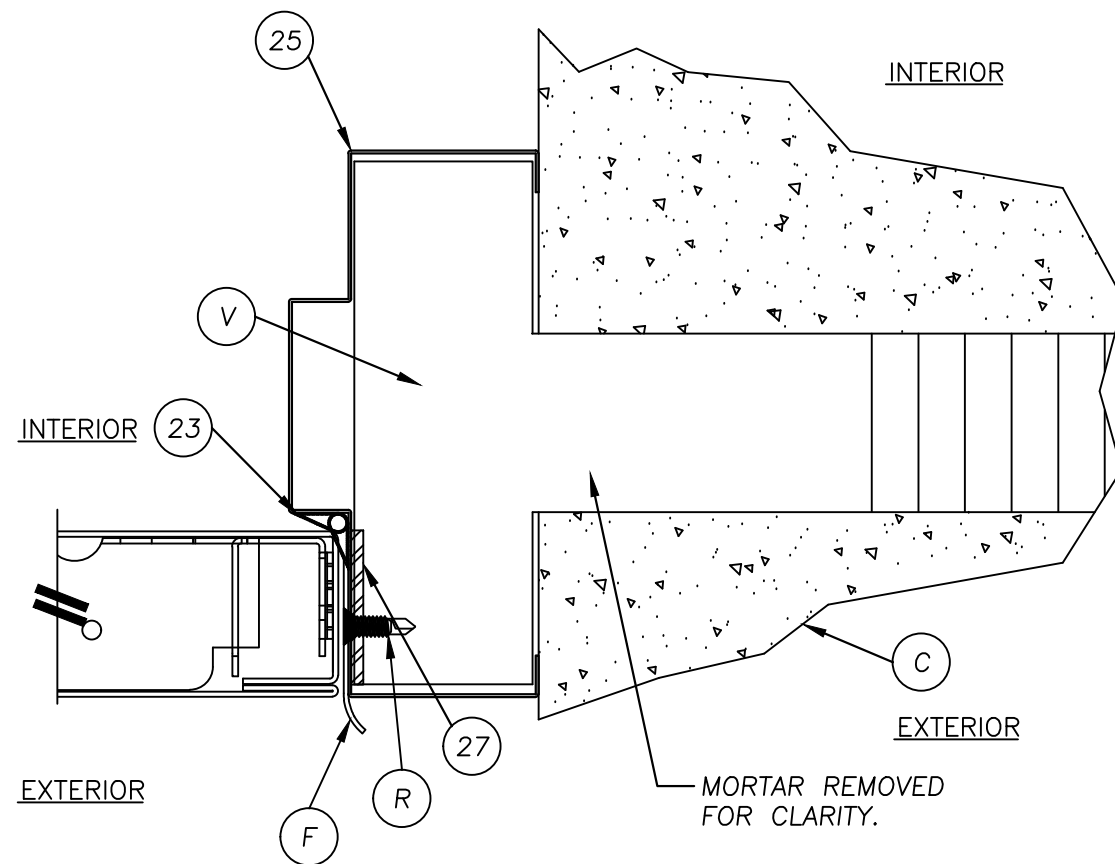
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DRAWING NO.: FL-12161.1

SHEET 3 OF 10

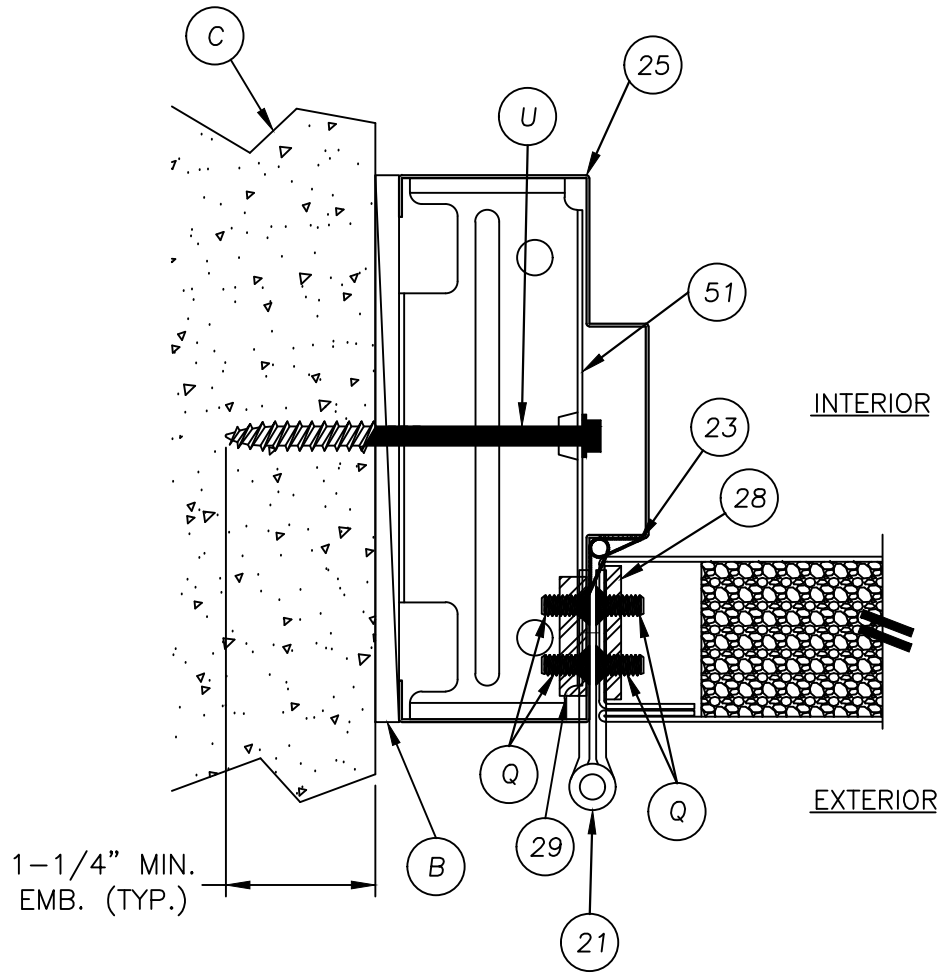
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4 @ LATCH
SHOWN WITH TEE ANCHOR



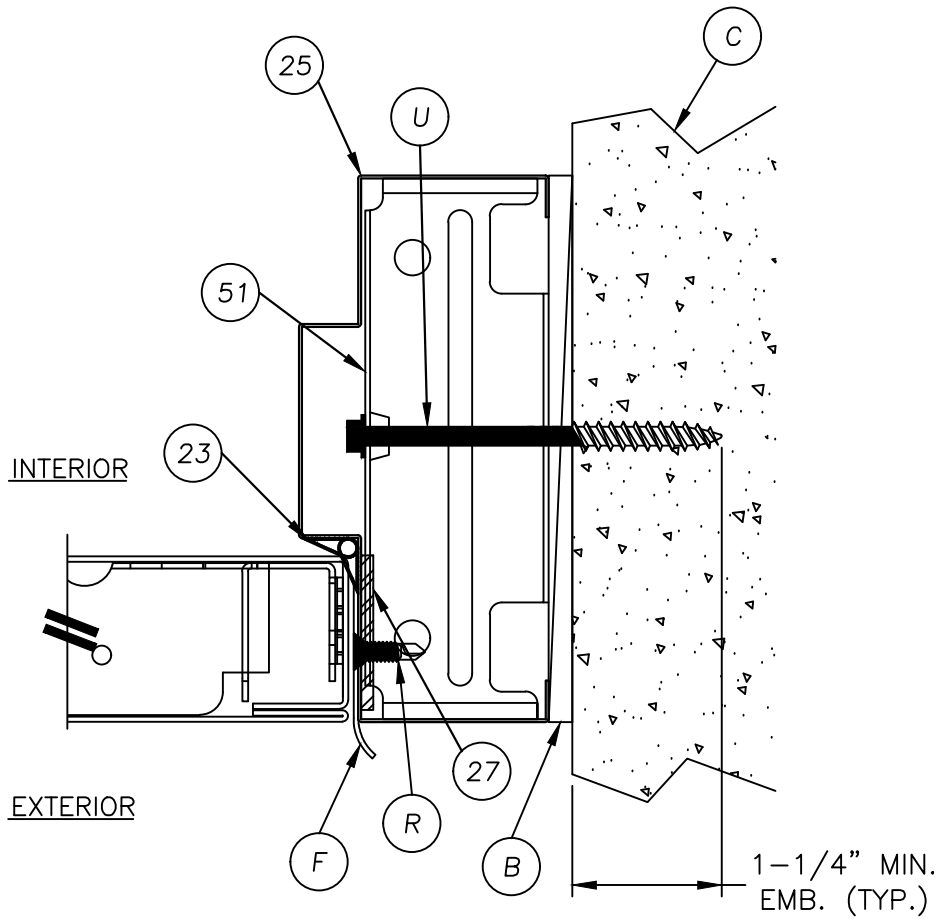
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1 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



2 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR

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1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK			
	NO.	DATE					
DATE: 02/18/09							
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DRAWING NO.: FL-12161.1							
SHEET 5 OF 10							

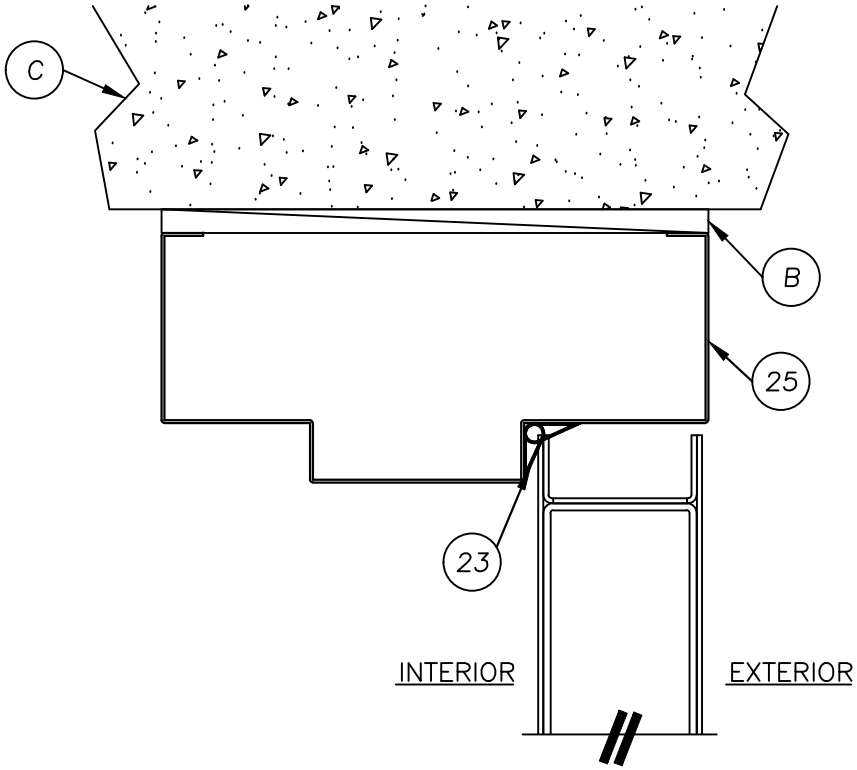
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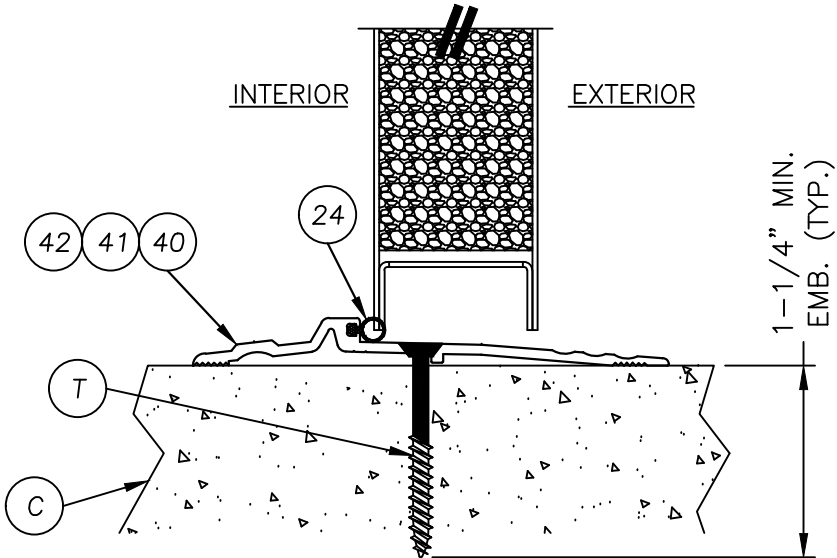
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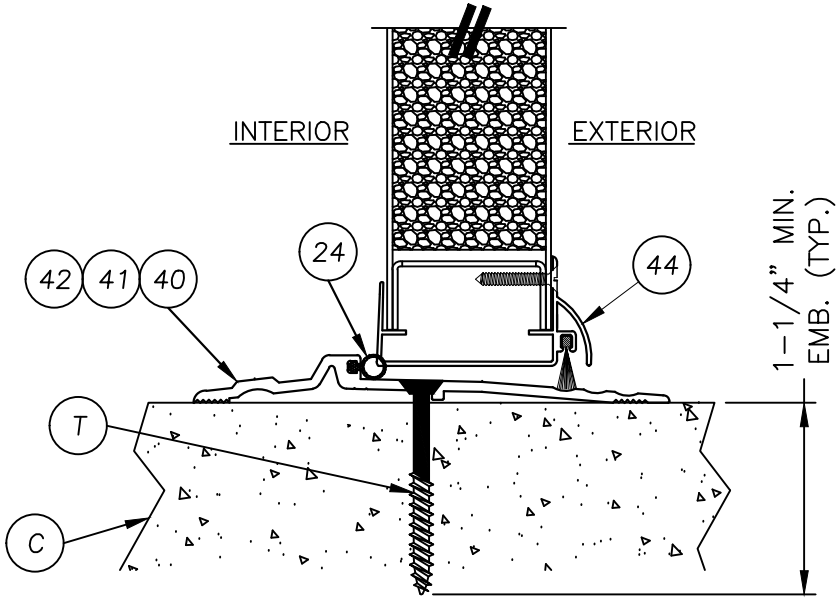
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1 VERTICAL CROSS SECTION
6 @ HEAD



2 VERTICAL CROSS SECTION
6 @ THRESHOLD



3 VERTICAL CROSS SECTION
6 @ THRESHOLD

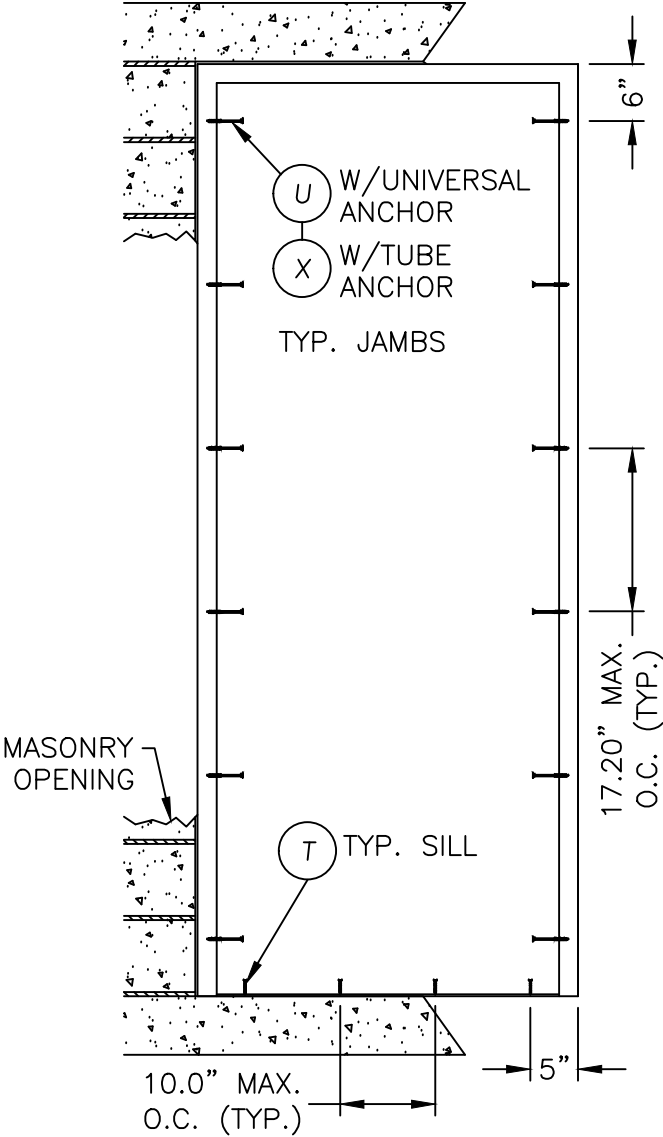
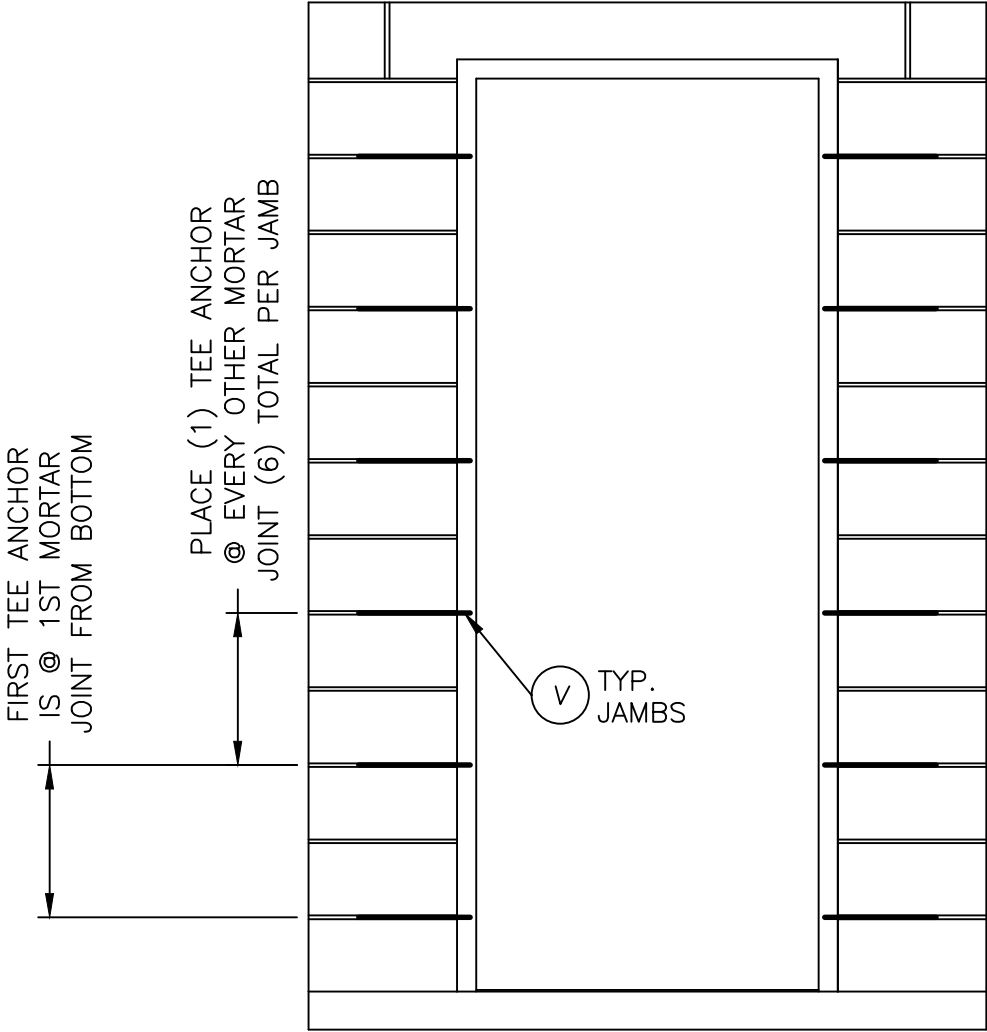
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	NO.	DATE			BY
REVISIONS					
DATE: 02/18/09					
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SHEET 6 OF 10					

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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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PRODUCT:
MMI
"N" PANELS "IMPACT"

PART OR ASSEMBLY:
BUCK AND FRAME
ANCHORING

DATE: 02/18/09

SCALE: N.T.S.

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DRAWING NO.: FL-12161.1

SHEET 7 OF 10

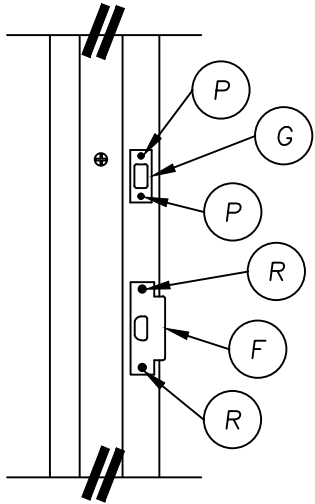
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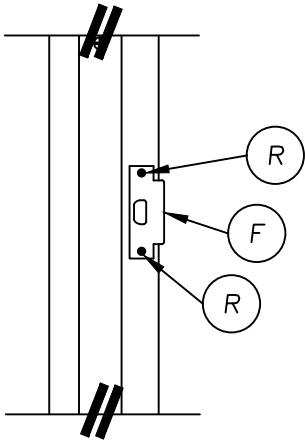
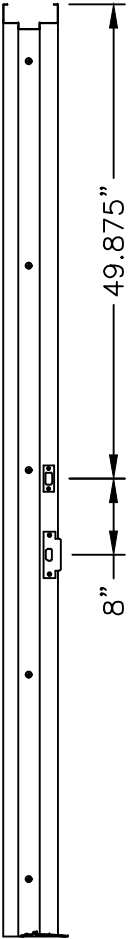
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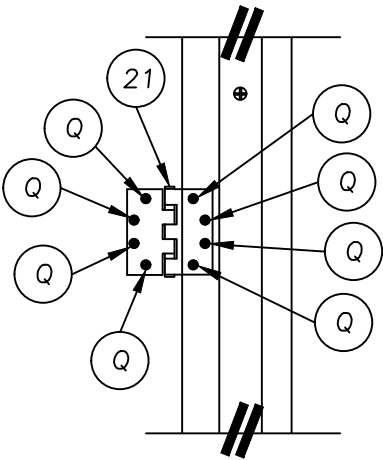
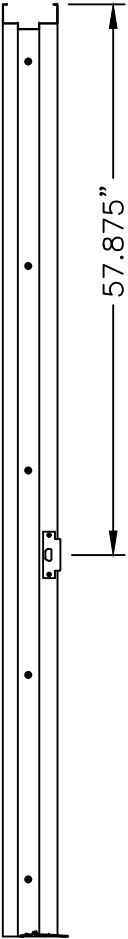
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT

STRIKE PLATE
LOCATIONS 2" HEAD



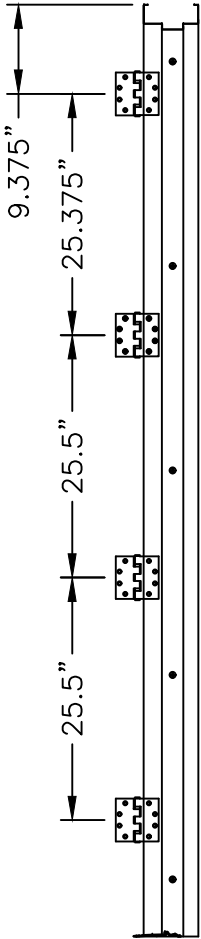
STRIKE PLATE DETAIL
ANSI STRIKE

STRIKE PLATE
LOCATION 2" HEAD



HINGE DETAIL

HINGE LOCATIONS
2" HEAD



DATE:	02/18/09
SCALE:	N.T.S.
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DRAWING NO.:	FL-12161.1
SHEET	8 OF 10

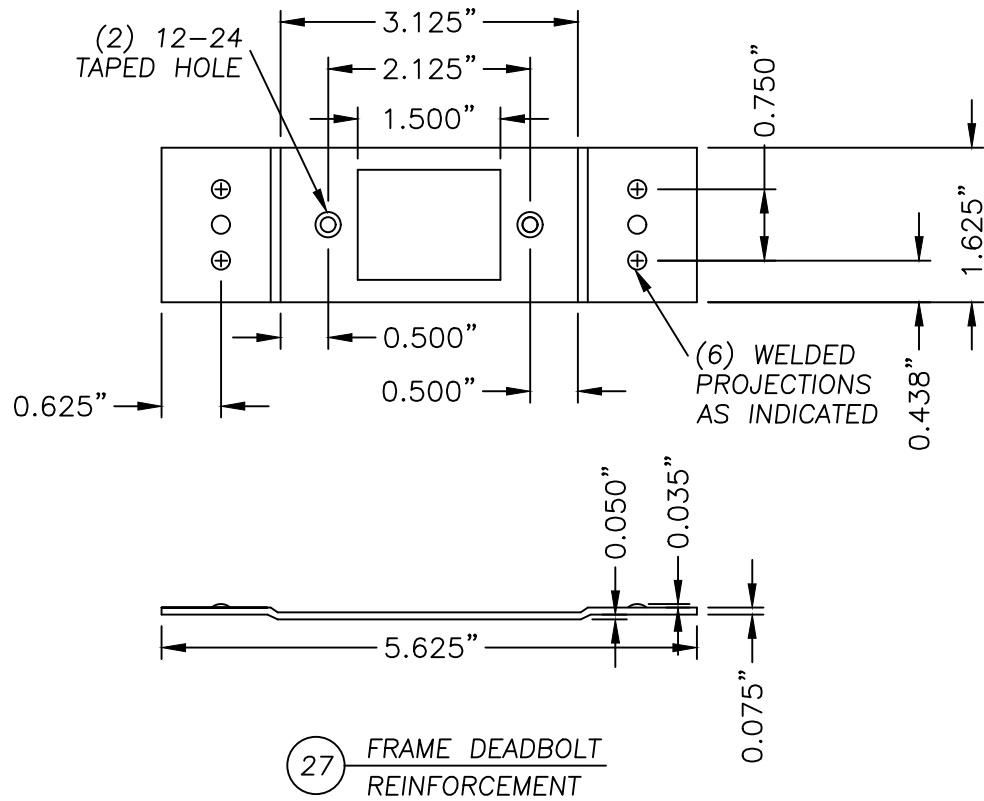
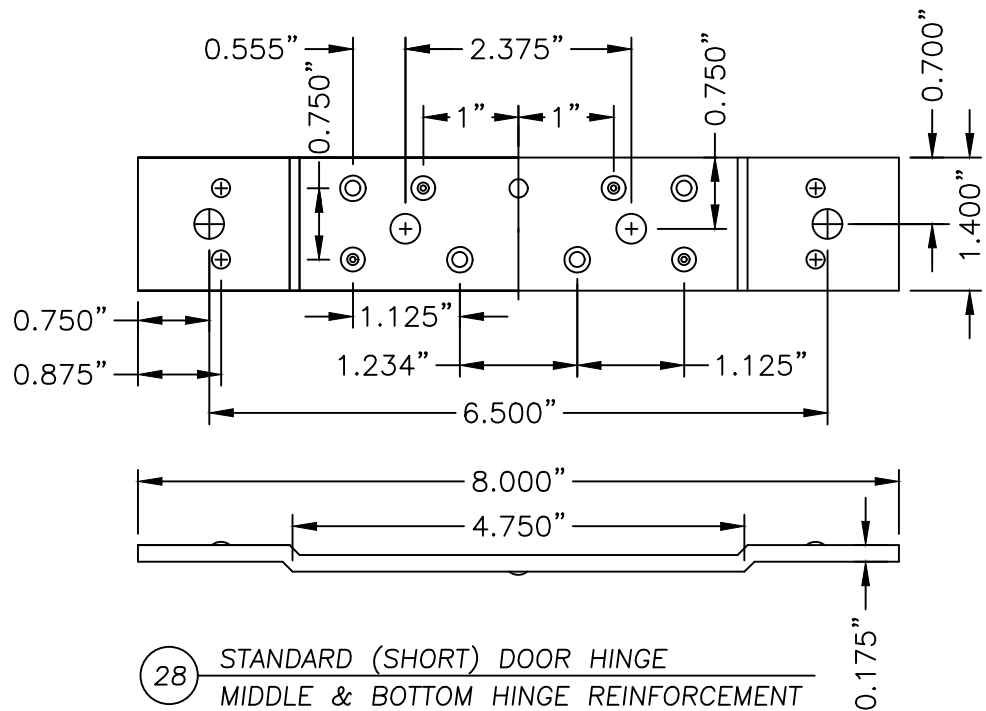
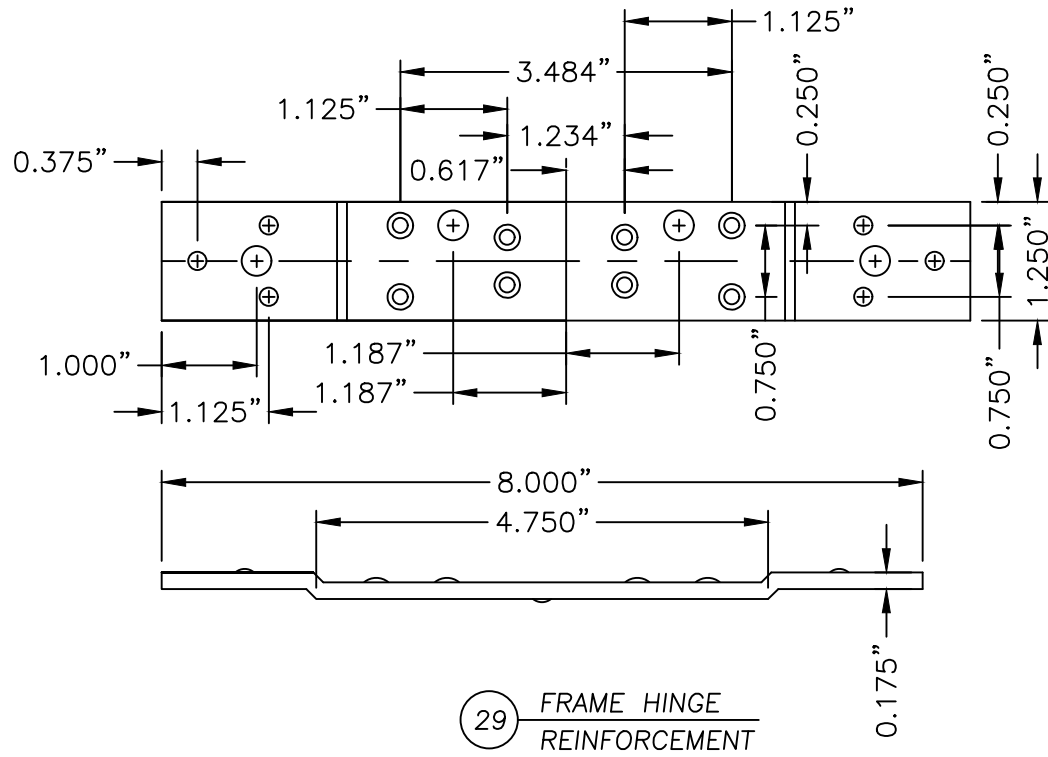
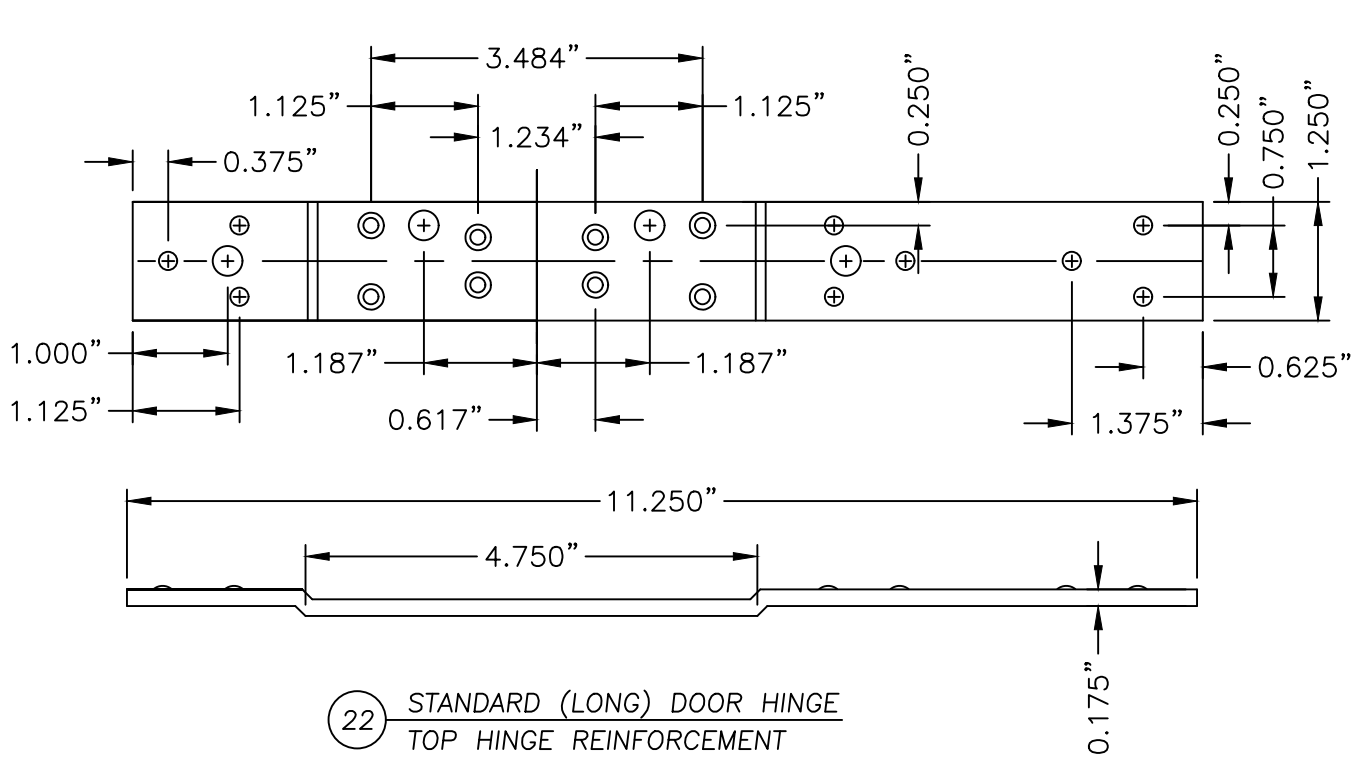
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PRODUCT:	MMI "N" PANELS "IMPACT"
PART OR ASSEMBLY:	ANCHORING DETAILS

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PRODUCT:

MMI
"N" PANELS "IMPACT"

PART OR ASSEMBLY:

COMPONENTS

DATE: 02/18/09

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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-12161.1

SHEET 9 OF 10

