



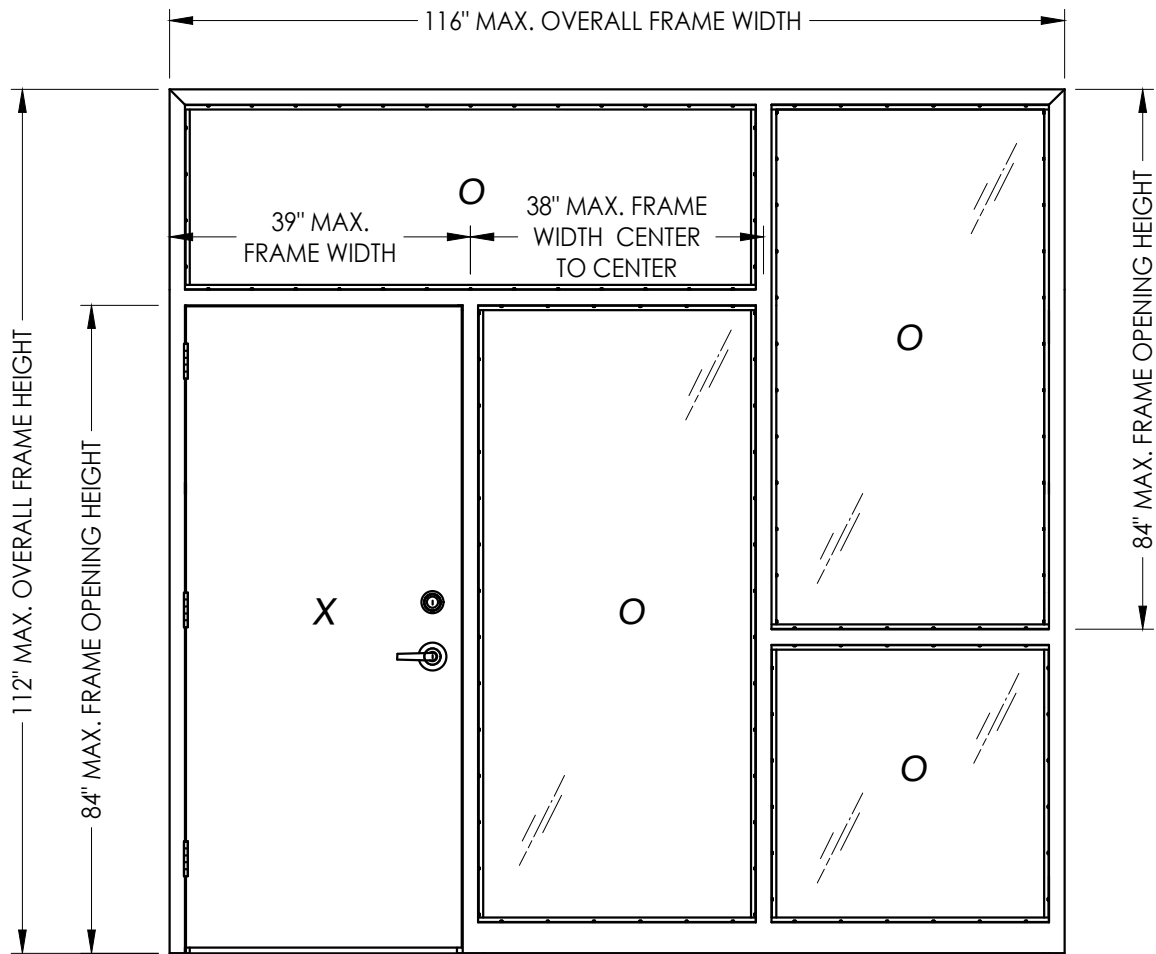
PRIV. DE RIO SANTIAGO #30
COL. LA RAZA
SOLEDAD DE GRACIANO SANCHEZ
SAN LUIS POTOSI, C.P. 78433

"N" SERIES COMMERCIAL STEEL DOOR w/ SIDELITES & TRANSOM INSWING / OUTSWING "IMPACT"

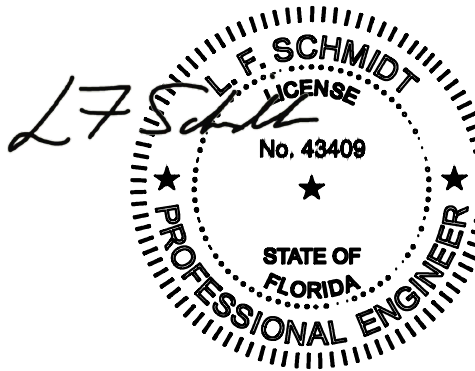
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.
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).

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SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
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7	Anchoring details
8	Glazing detail & components
9	Components
10	Bill of materials & components



OVERALL FRAME DIMENSION	TRANSOM D.L.O. DIMENSION	SIDELITE (REC) D.L.O. DIMENSION	SIDELITE (SQU) D.L.O. DIMENSION	LOCK TYPE	GLASS TYPE	DESIGN PRESSURE (PSF)	
						POSITIVE	NEGATIVE
116.0" x 112.0"	72.75" x 22.75"	34.75" x 78.75"	34.75" x 34.75"	161 LATCH (SCHLAGE)	G1, G2	+55.0	-55.0
				161 LATCH & DEADBOLT (DESIGN HARDWARE)		+65.0	-65.0



Digitally signed by
Lyndon F Schmidt
Date: 2026.07.24
09:12:53 -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

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

PRODUCT:
MMI
"N" STEEL DOOR

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	7/11/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC	DAC
2	7/18/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	10/14/16	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 11/3/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

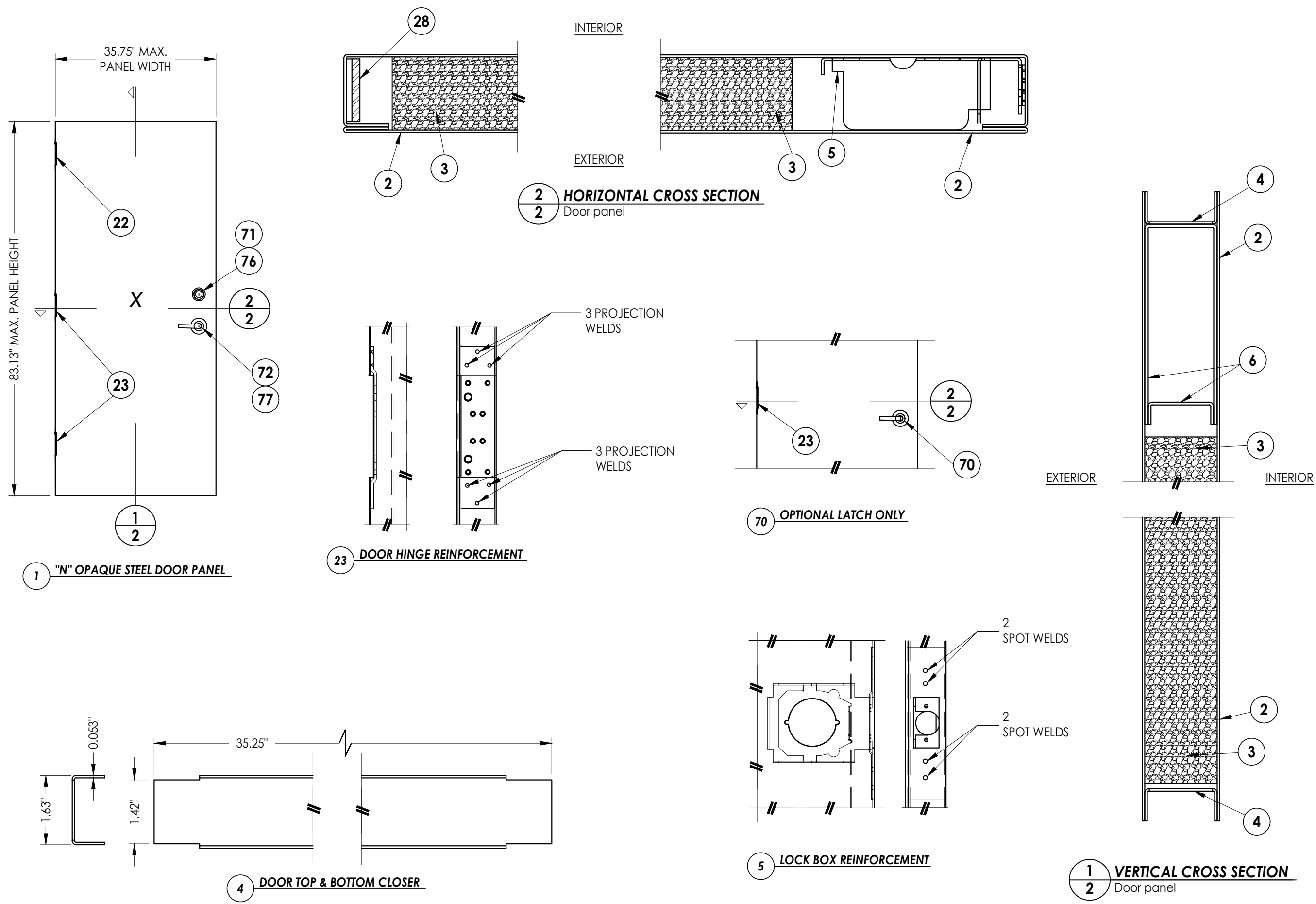
DRAWING NO.: FL-12186.8

SHEET 1 OF 10

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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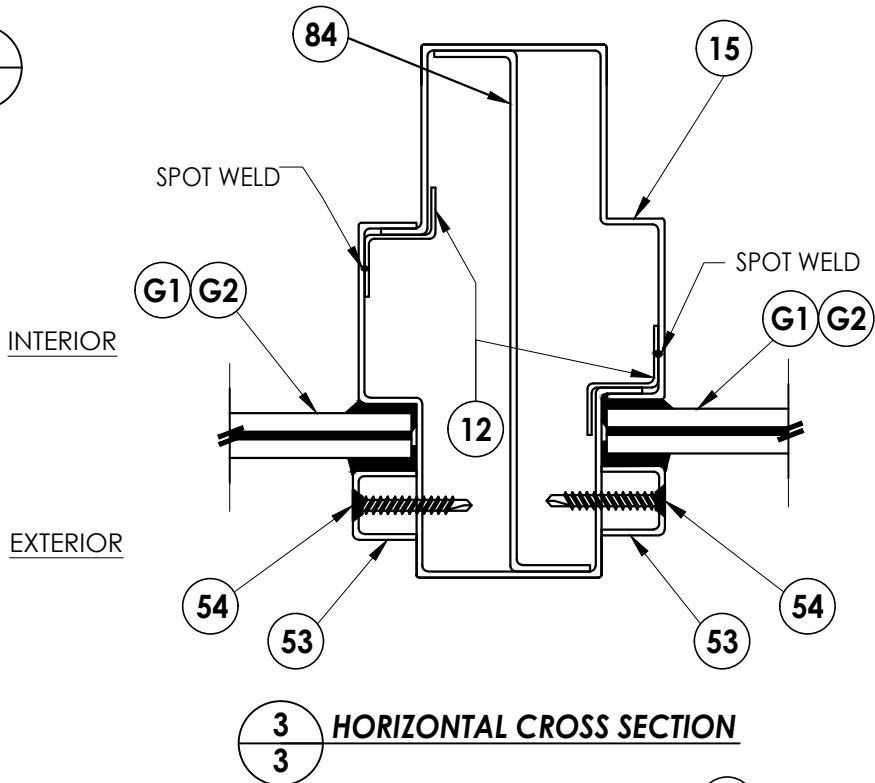
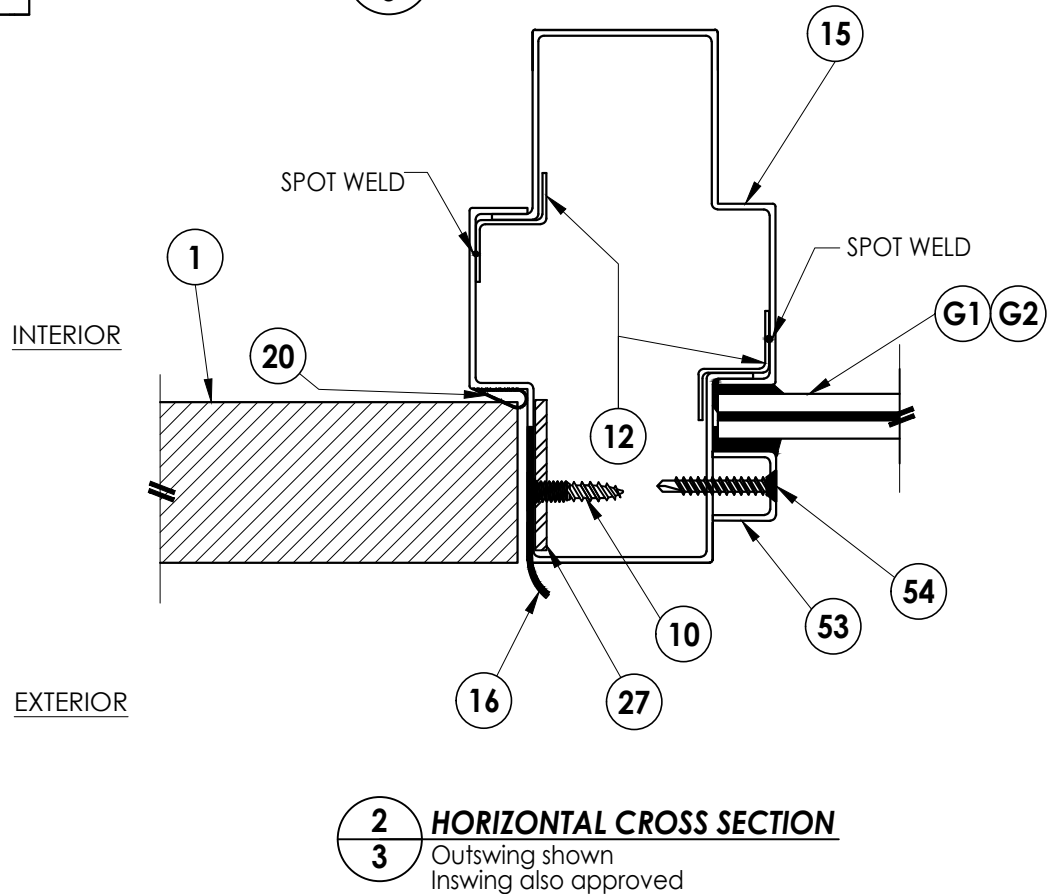
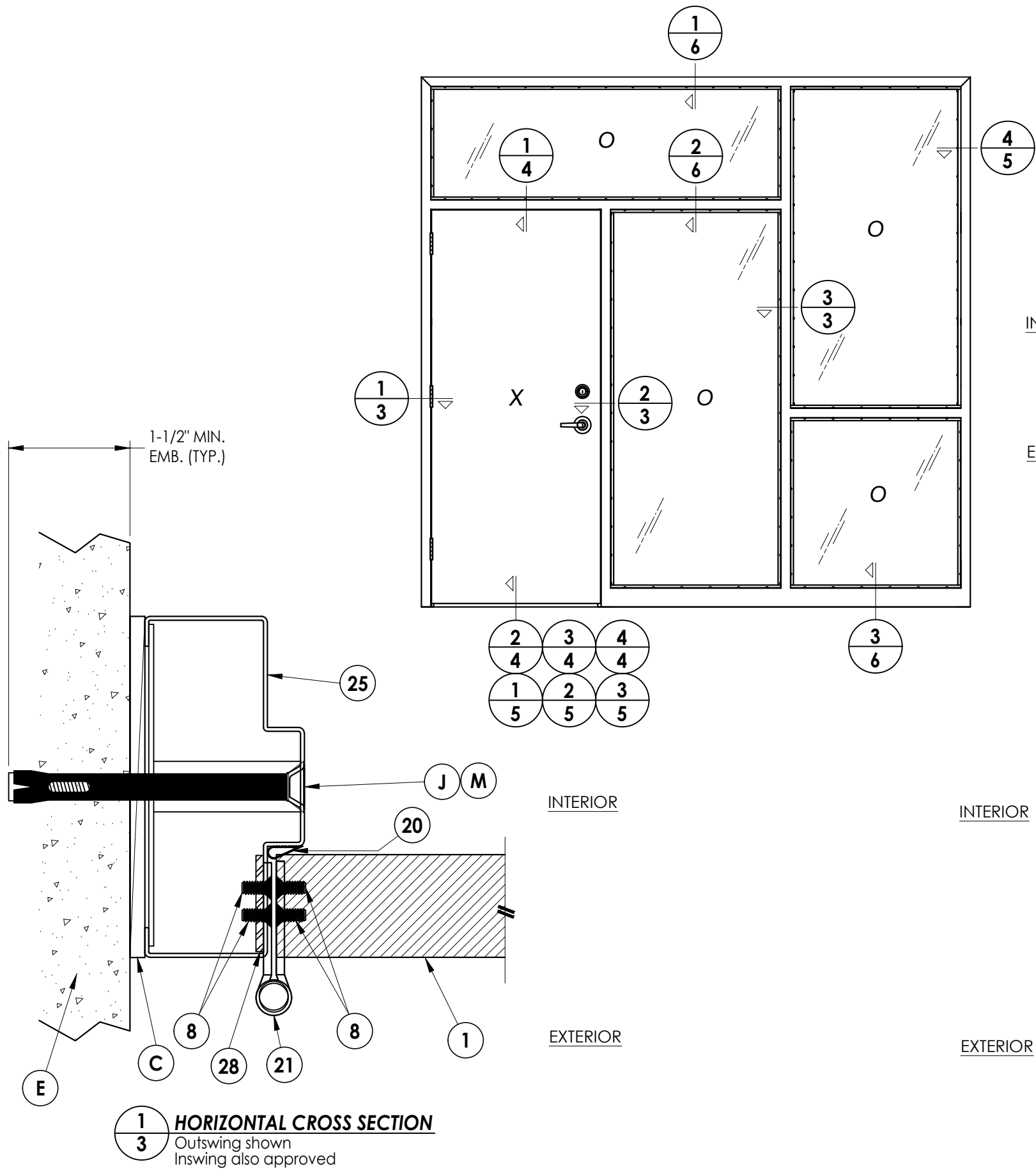


NOTE: ALL WELDING TO CONFORM w/ AMERICAN WELDING SOCIETY, ANSI/AWS AS PER FBC SECTION 2214.3.4.

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PRODUCT:	MMI	PART OR ASSEMBLY: DOOR PANEL SECTIONS 161 LOCK PREP		
	"N" STEEL DOOR			
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/30/20	UPDATE TO 7th ED. (2020)	FBC	DAC
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE	REVISIONS		
DATE: 11/3/08				
SCALE: N.T.S.				
DWG. BY: AL				
CHK. BY: LFS				
DRAWING NO.: FL-12186.8				
SHEET 2 OF 10				

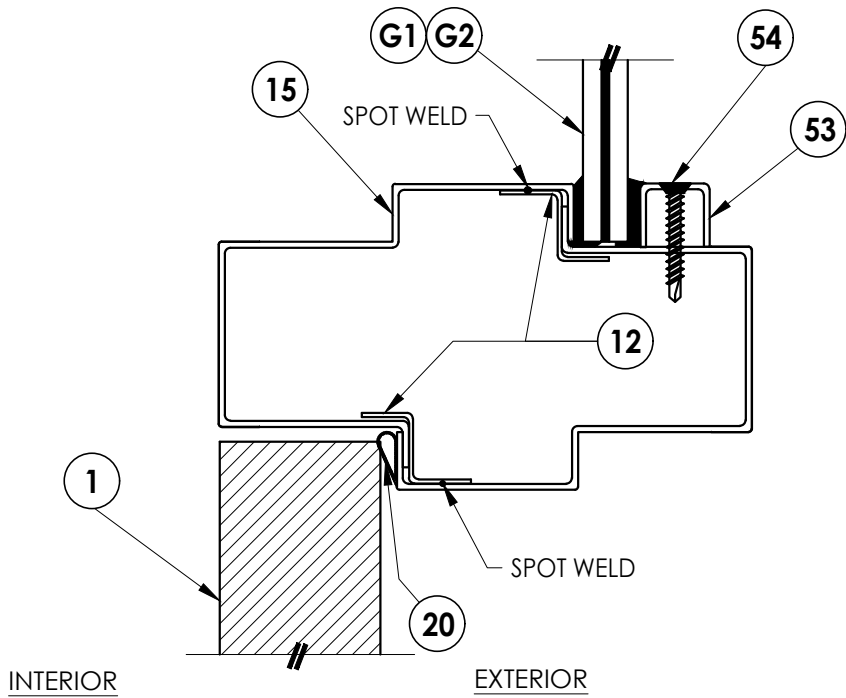
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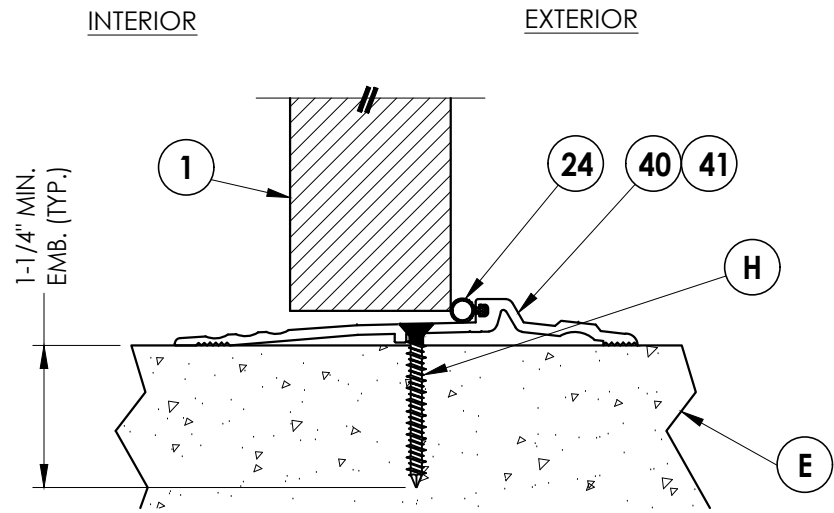


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PRODUCT:		PART OR ASSEMBLY:	
MMI "N" STEEL DOOR		HORIZONTAL CROSS SECTIONS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC
1	10/14/16	UPDATE TO 5TH ED. (2014)	JK
NO.	DATE		BY
REVISIONS			
DATE: 11/3/08			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-12186.8			
SHEET 3 OF 10			

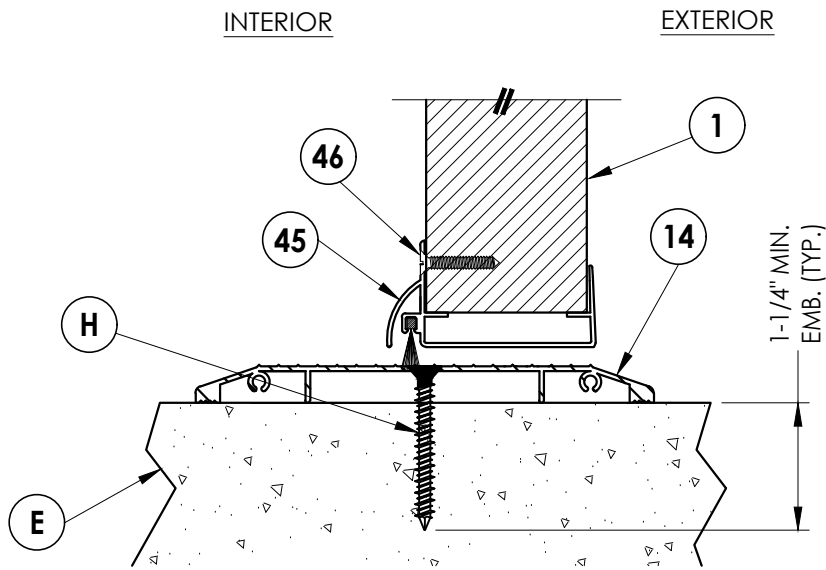
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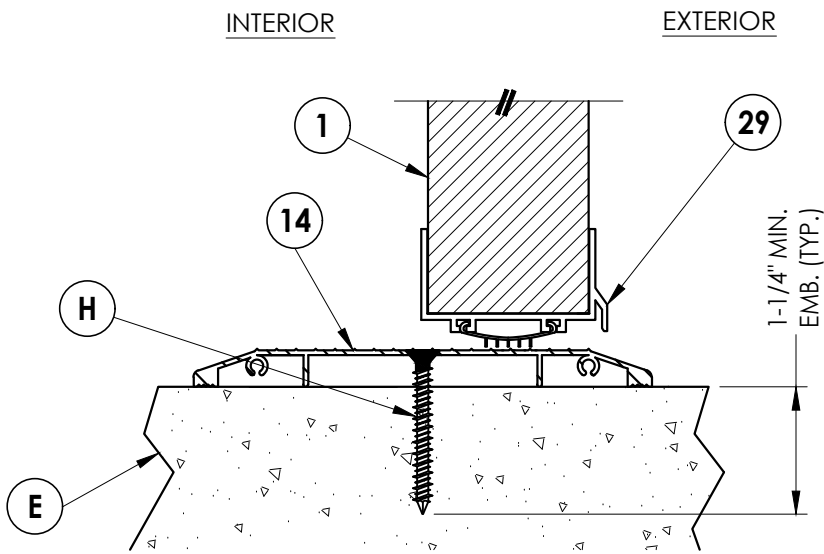
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4 **VERTICAL CROSS SECTION**
Inswing configuration



2
4 **VERTICAL CROSS SECTION**
Inswing configuration



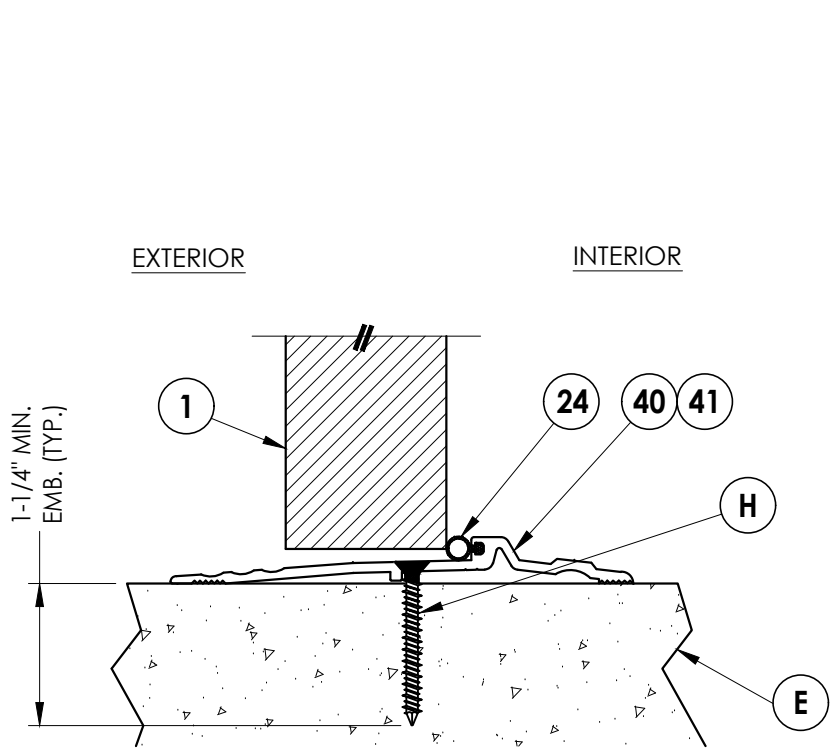
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4 **VERTICAL CROSS SECTION**
Inswing configuration



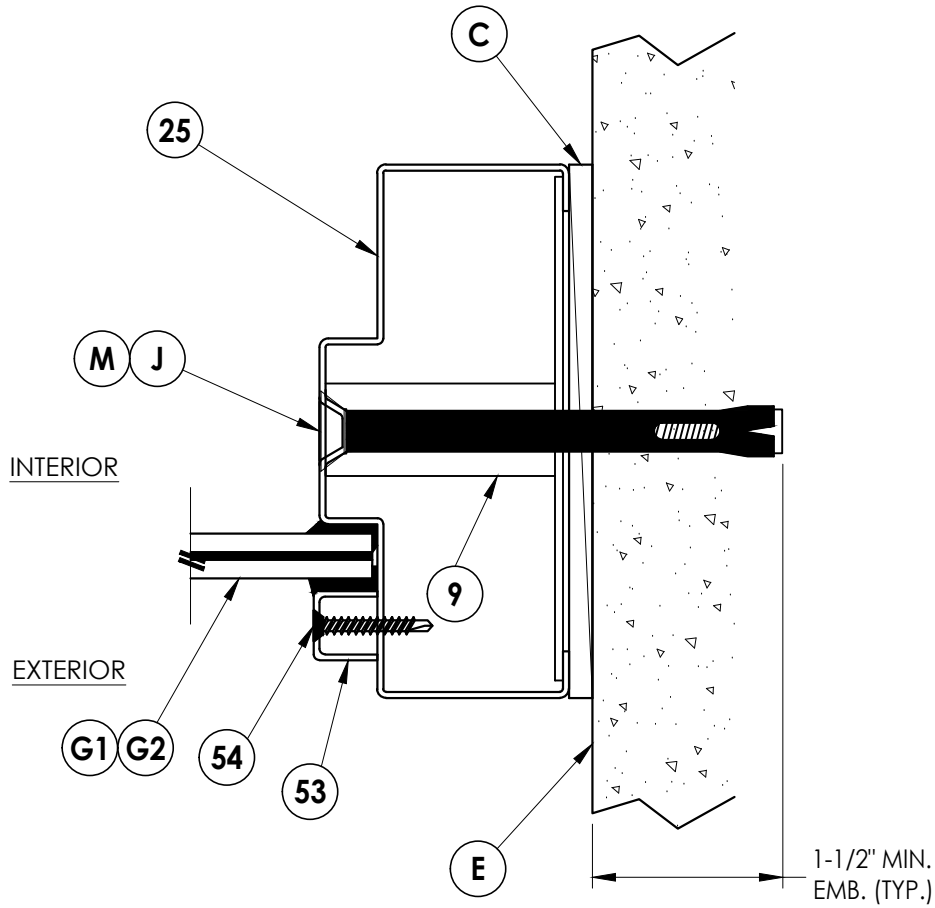
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4 **VERTICAL CROSS SECTION**
Inswing configuration

PRODUCT:		MMI		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
		"N" OPAQUE STEEL DOOR			
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
VERTICAL CROSS SECTIONS					

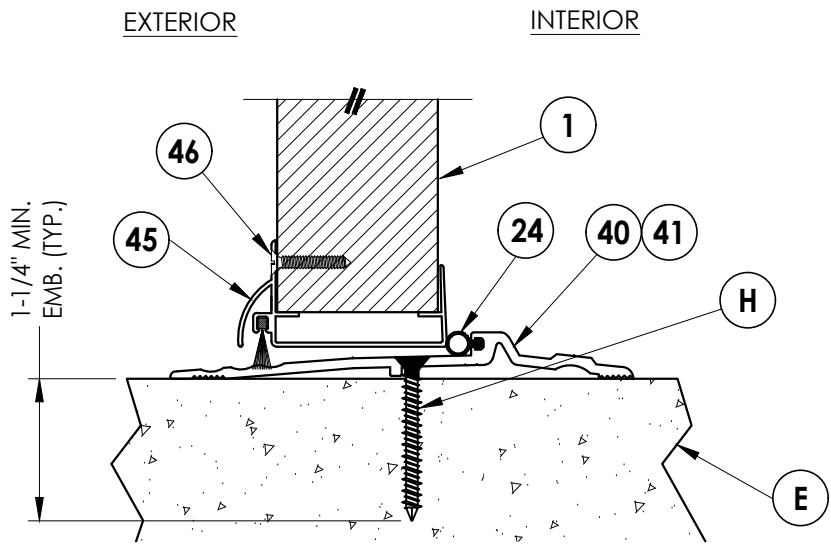
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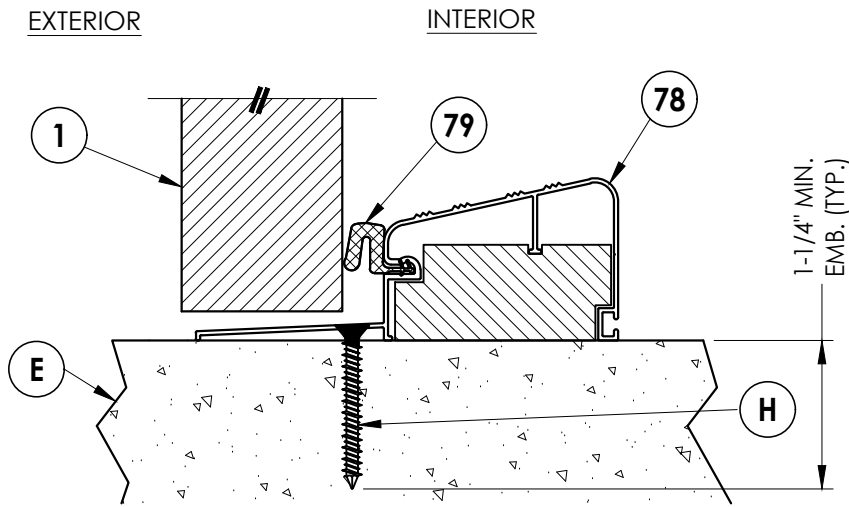
1
5 **VERTICAL CROSS SECTION**
Outswing configuration



4
5 **HORIZONTAL CROSS SECTION**



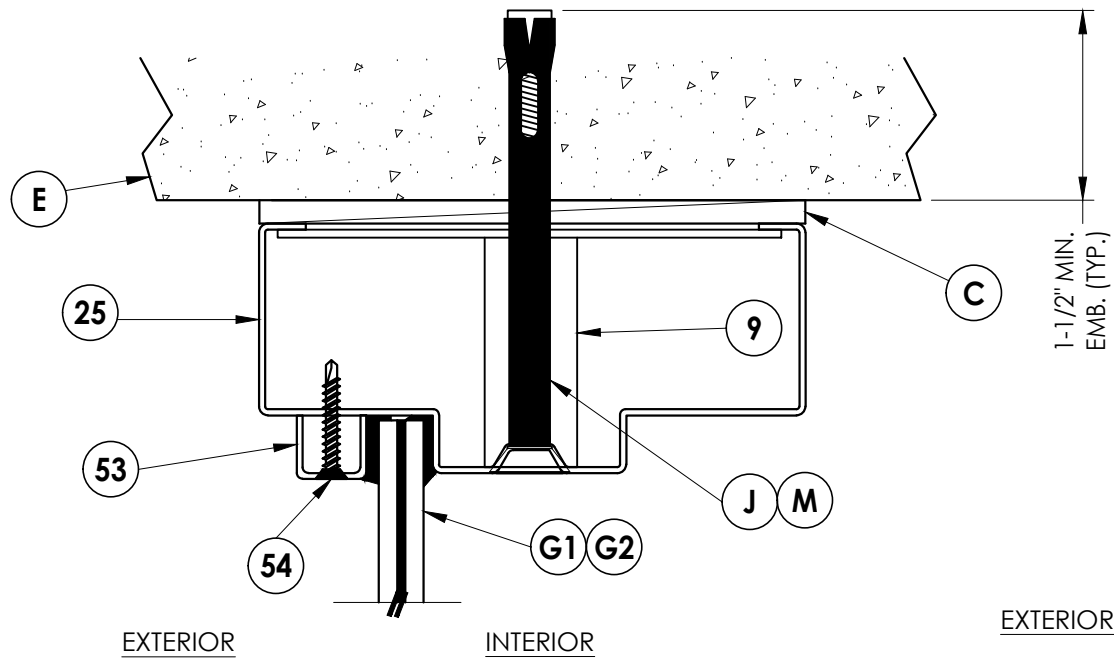
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5 **VERTICAL CROSS SECTION**
Outswing configuration



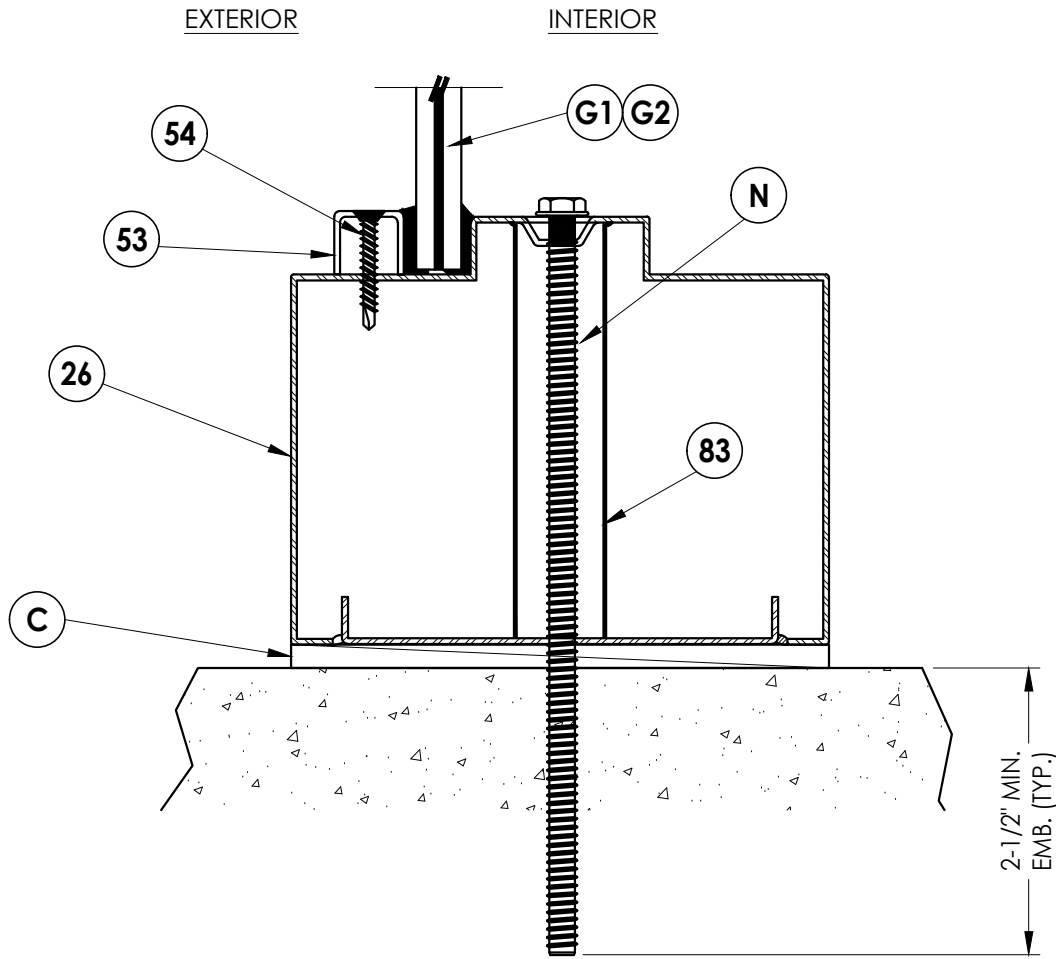
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5 **VERTICAL CROSS SECTION**
Outswing configuration

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		MMI	
"N" OPAQUE STEEL DOOR		PART OR ASSEMBLY:	
VERTICAL CROSS SECTIONS		BY	
		REVISIONS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/30/20	UPDATE TO 7th ED. (2020)	FBC
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC
1	10/14/16	UPDATE TO 5TH ED. (2014)	JK
NO.	DATE		
DATE: 11/3/08			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-12186.8			
SHEET 5 OF 10			

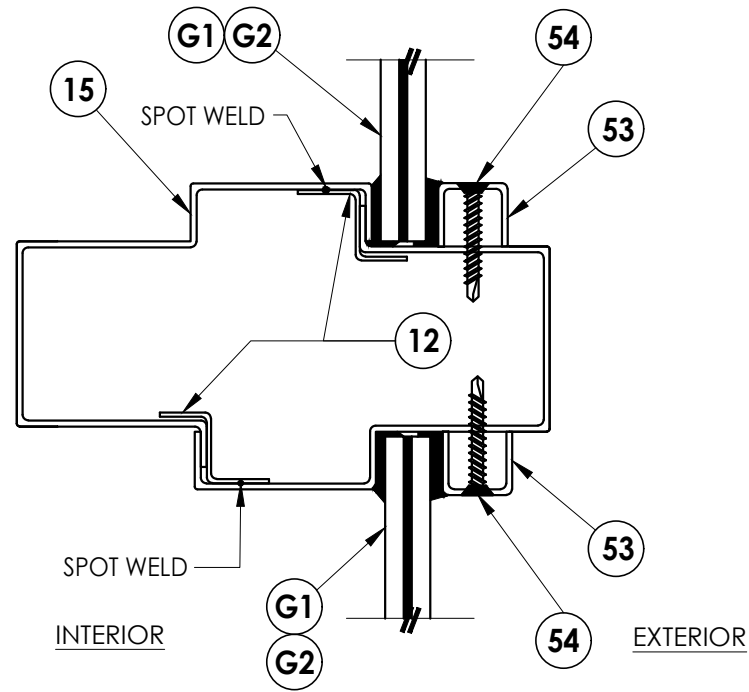
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1
6 VERTICAL CROSS SECTION



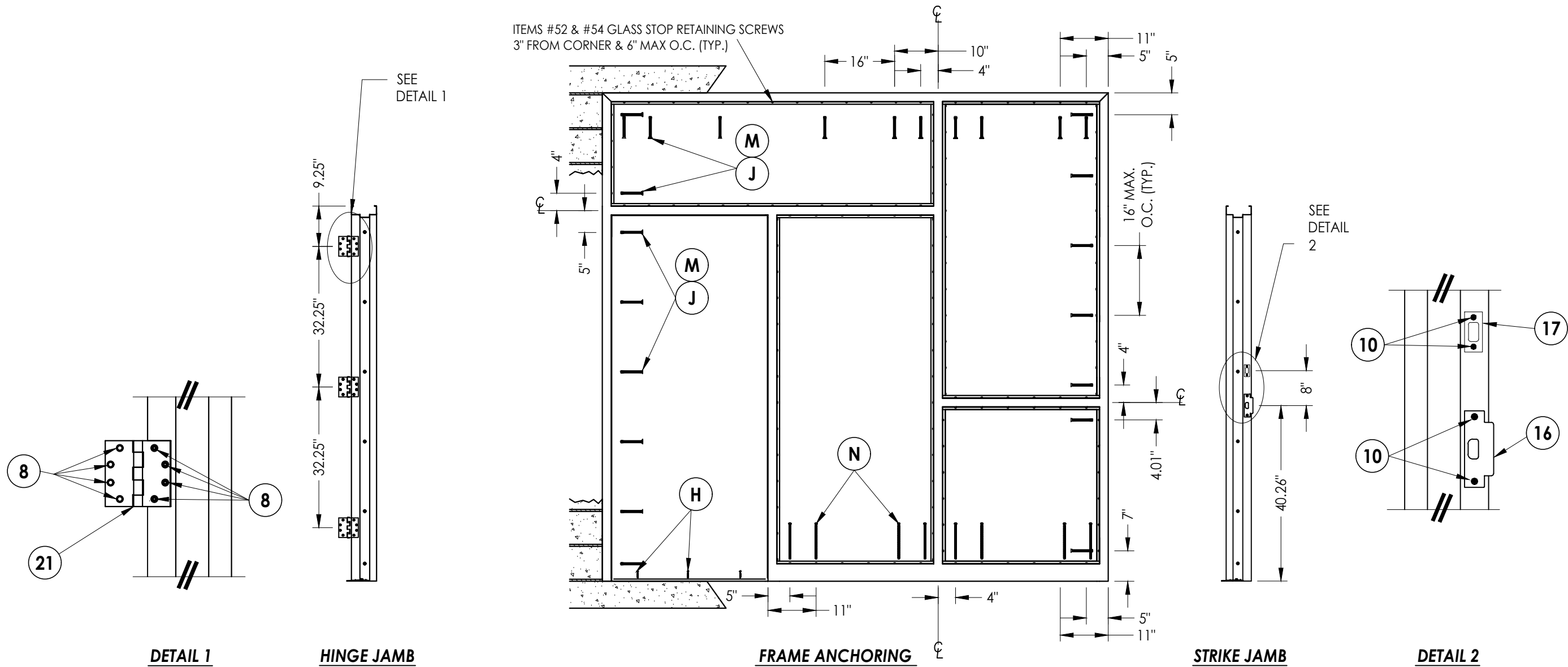
3
6 VERTICAL CROSS SECTION



2
6 VERTICAL CROSS SECTION

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PRODUCT: MMI "N" STEEL DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	DAC			
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK			
NO.	DATE	REVISIONS					
DATE: 11/3/08							
SCALE: N.T.S.							
DWG. BY: AL							
CHK. BY: LFS							
DRAWING NO.: FL-12186.8							
SHEET 6 OF 10							

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CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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"

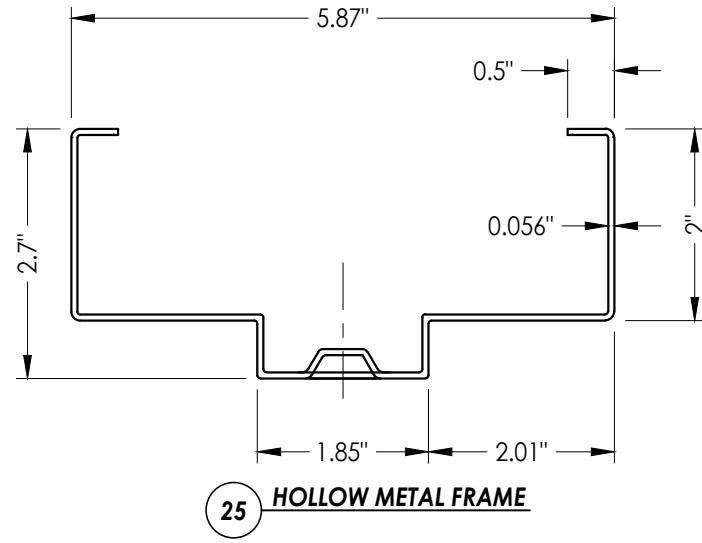
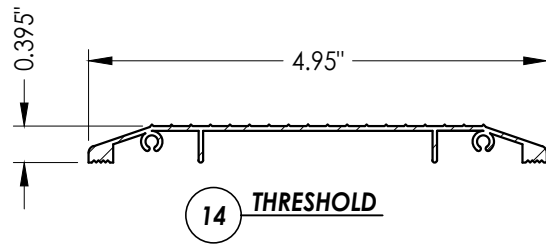
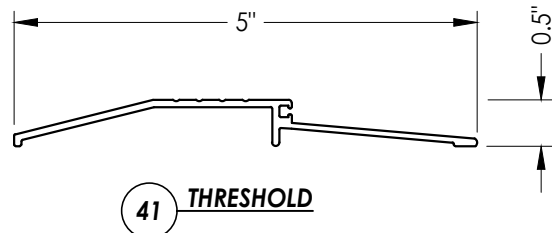
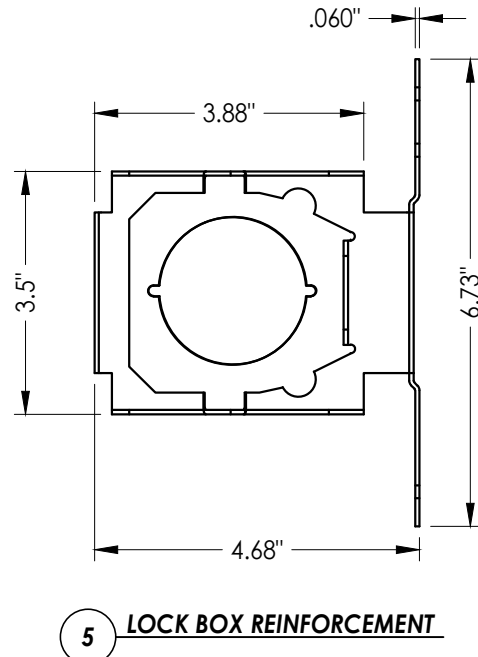
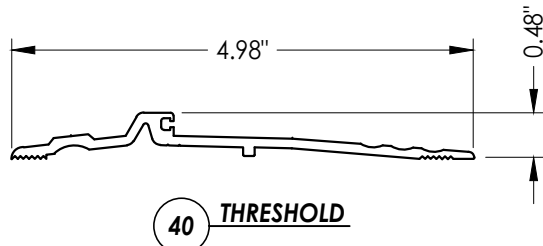
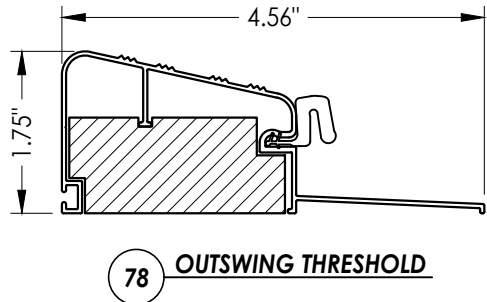
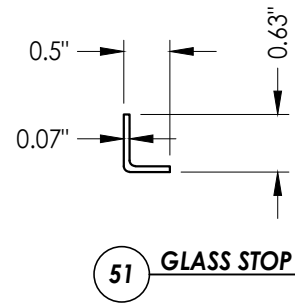
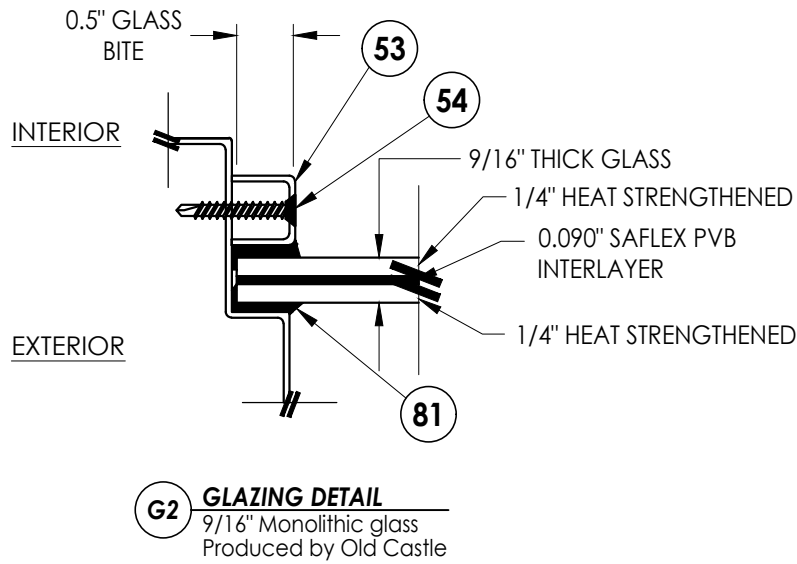
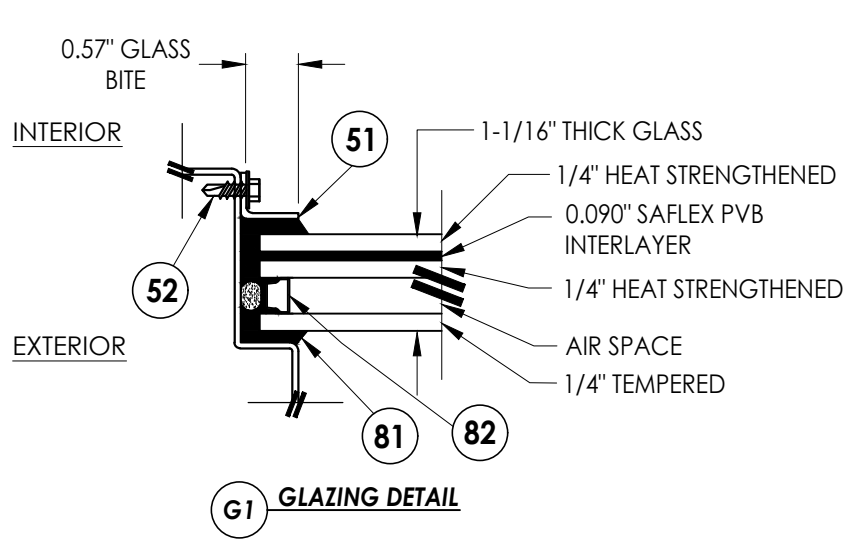
4. Embedment may be through 1-1/4" face shell of hollow block.

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		PART OR ASSEMBLY: ANCHORING DETAILS						
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	REVISIONS			
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS				
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	DAC				
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS				
1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK				
NO.		DATE		BY				
DATE: 11/3/08								
SCALE: N.T.S.								
DWG. BY: AL								
CHK. BY: LFS								
DRAWING NO.: FL-12186.8								
SHEET 7 OF 10								

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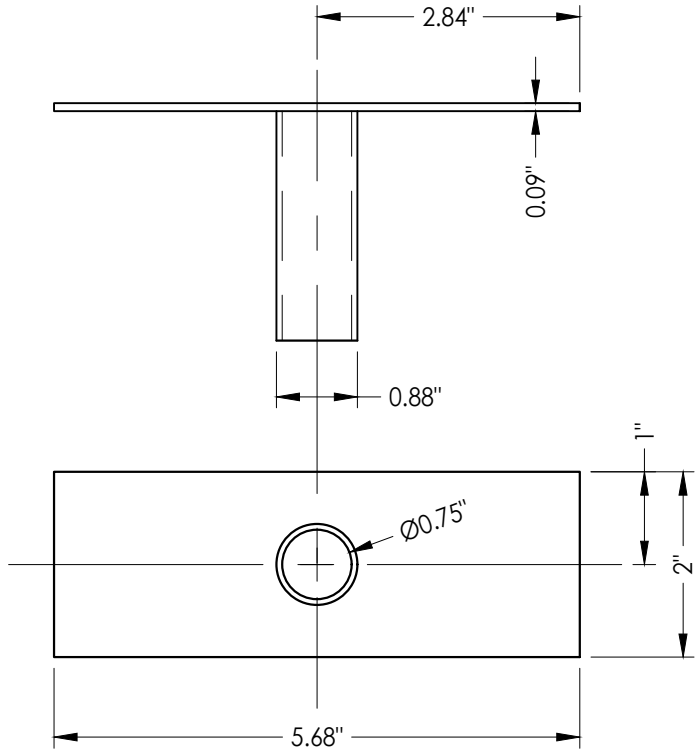


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Lyndon F. Schmidt
P.E. No. 43409

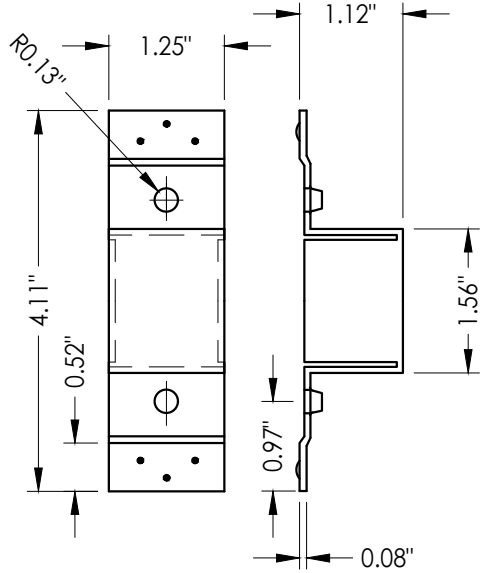
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:					MMI "N" STEEL DOOR					PART OR ASSEMBLY:					GLAZING DETAILS & COMPONENTS				
5	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS														
4	7/11/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS														
3	7/30/20	UPDATE TO 7th ED.	(2020)	FBC	DAC														
2	7/18/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS														
1	10/14/16	UPDATE TO 5TH ED.	(2014)	FBC	JK														
NO.	DATE	REVISIONS																	
DATE: 11/3/08																			
SCALE: N.T.S.																			
DWG. BY: AL																			
CHK. BY: LFS																			
DRAWING NO.: FL-12186.8																			
SHEET 8 OF 10																			

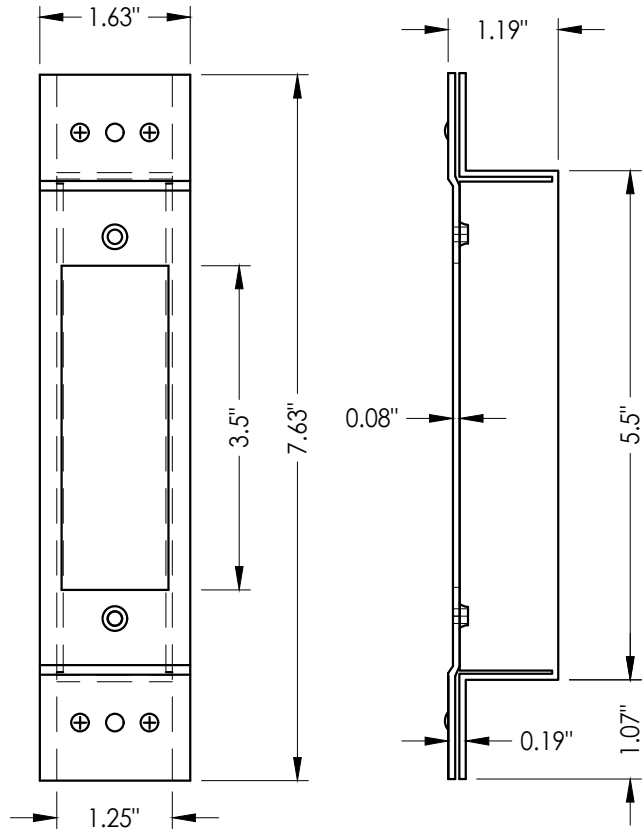
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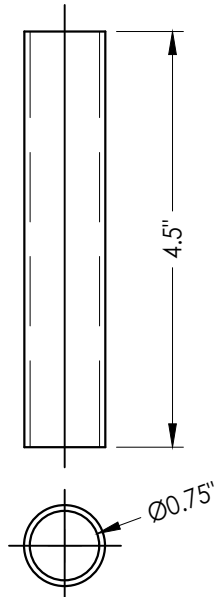
9 TUBE ANCHOR



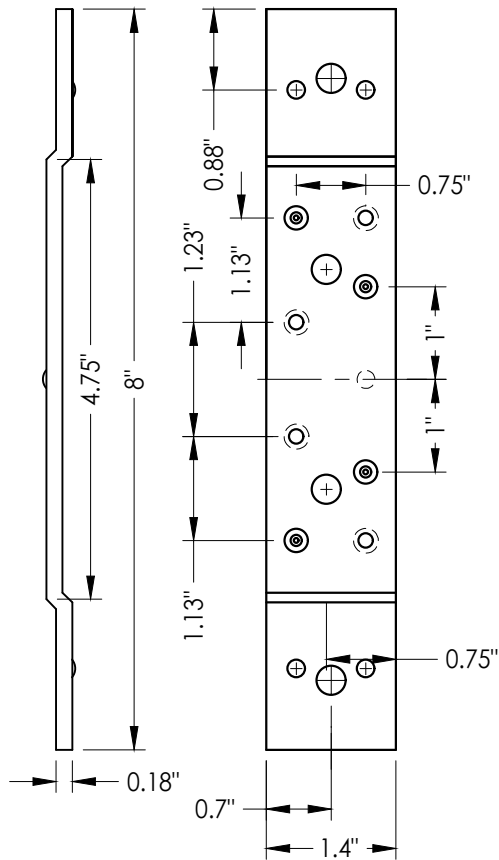
19 DEADBOLT STRIKE REINFORCEMENT



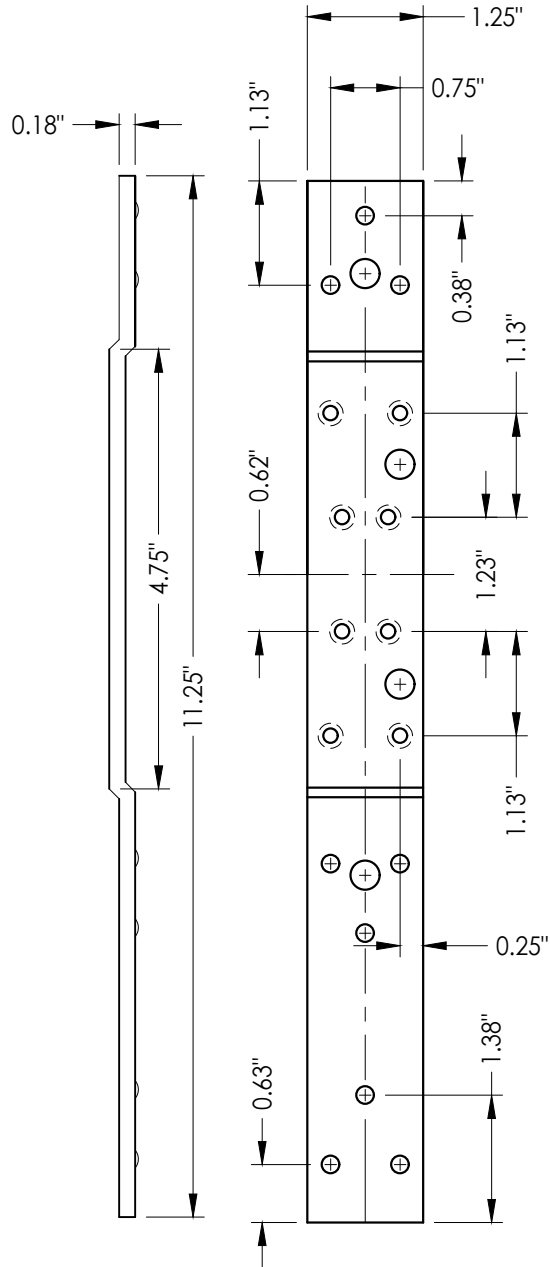
27 LATCH STRIKE REINFORCEMENT



83 SILL TUBE ANCHOR



23 STANDARD (SHORT) DOOR HINGE
Reinforcement middle and bottom hinge



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	7/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	LFS	

DATE: 11/3/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-12186.8
SHEET 9 OF 10

PRODUCT: MMI "N" STEEL DOOR
PART OR ASSEMBLY: GLAZING DETAIL & COMPONENTS

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

