

Z:\2023 FBC Drawings\Metal Mfg Industries\FL-12186 R4\12186.1-8.dwg



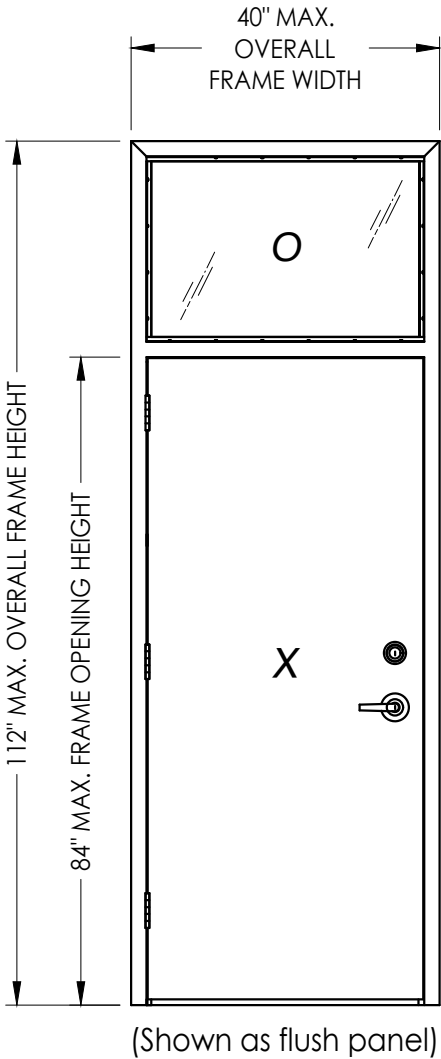
PRIV. DE RIO SANTIAGO #30
COL. LA RAZA
SOLEDAD DE GRACIANO SANCHEZ
SAN LUIS POTOSI, C.P. 78433

"N" SERIES COMMERCIAL
STEEL DOOR w/ TRANSOM
INSWING / OUTSWING
"NON-IMPACT"

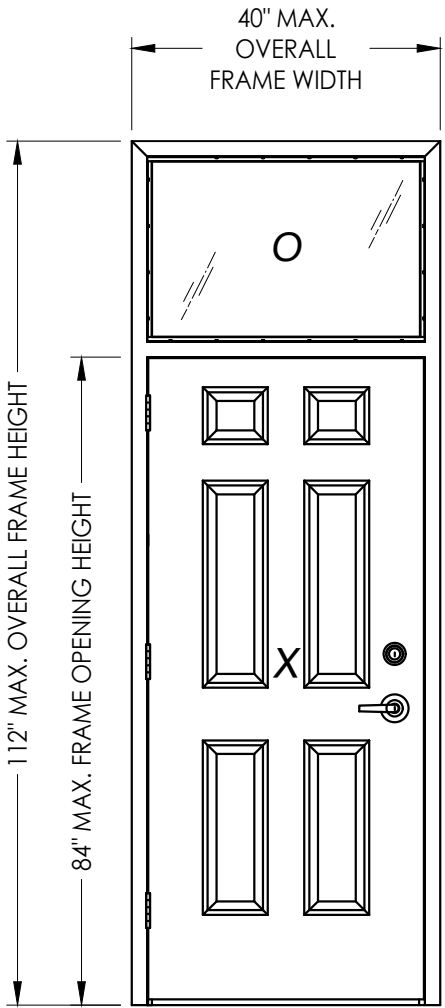
GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) 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 is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC and Section 1609.1.2.2 of the FBC.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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 elevations, design pressures, & general notes
2	Door panel sections 161 lock prep
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical cross sections
6	Anchoring details
7	Glazing detail & components
8	Bill of materials & components

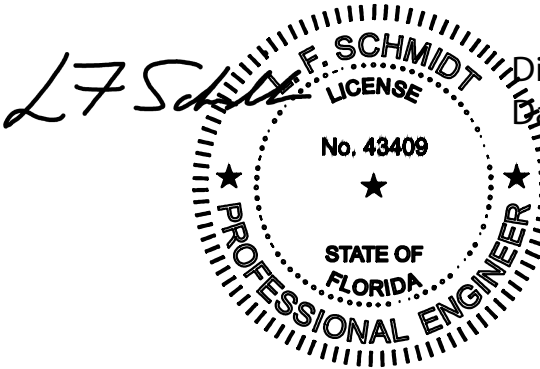


(Shown as flush panel)



(Shown as embossed panel)

OVERALL FRAME DIMENSION	TRANSOM D.L.O. DIMENSION	LOCK TYPE	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
40" x 112"	34.75" x 22.75"	161 LATCH (SCHLAGE)	G1	+55.0	-55.0
		161 LATCH & DEADBOLT (DESIGN HARDWARE)		+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 09:28:00 -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

DATE: 11/3/08

SCALE: N.T.S.

DWG. BY: AL

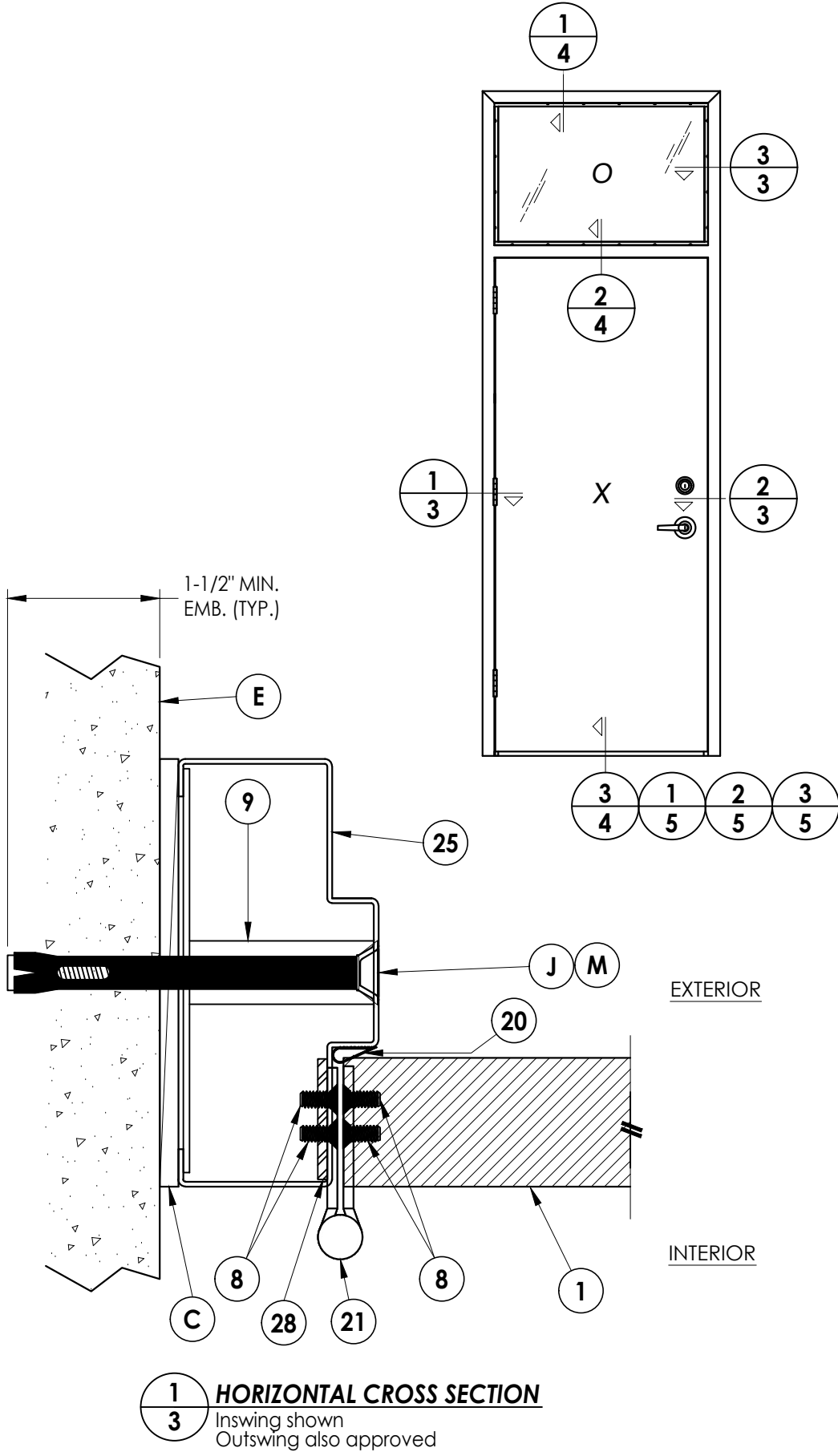
CHK. BY: LFS

DRAWING NO.:
FL-12186.1

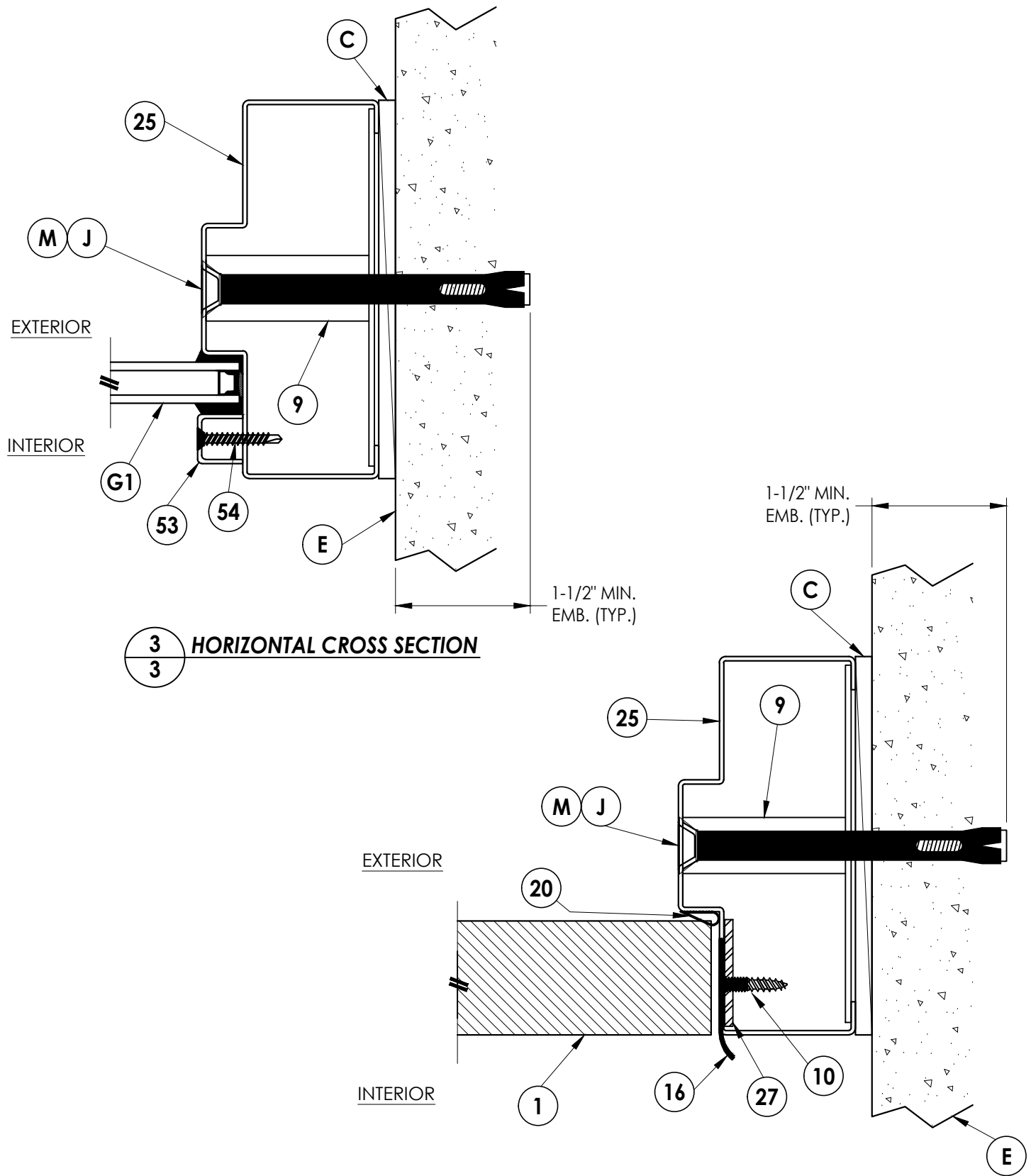
SHEET 1 OF 8

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

REVISIONS



1 **HORIZONTAL CROSS SECTION**
3 Inswing shown
 Outswing also approved



2 **HORIZONTAL CROSS SECTION**

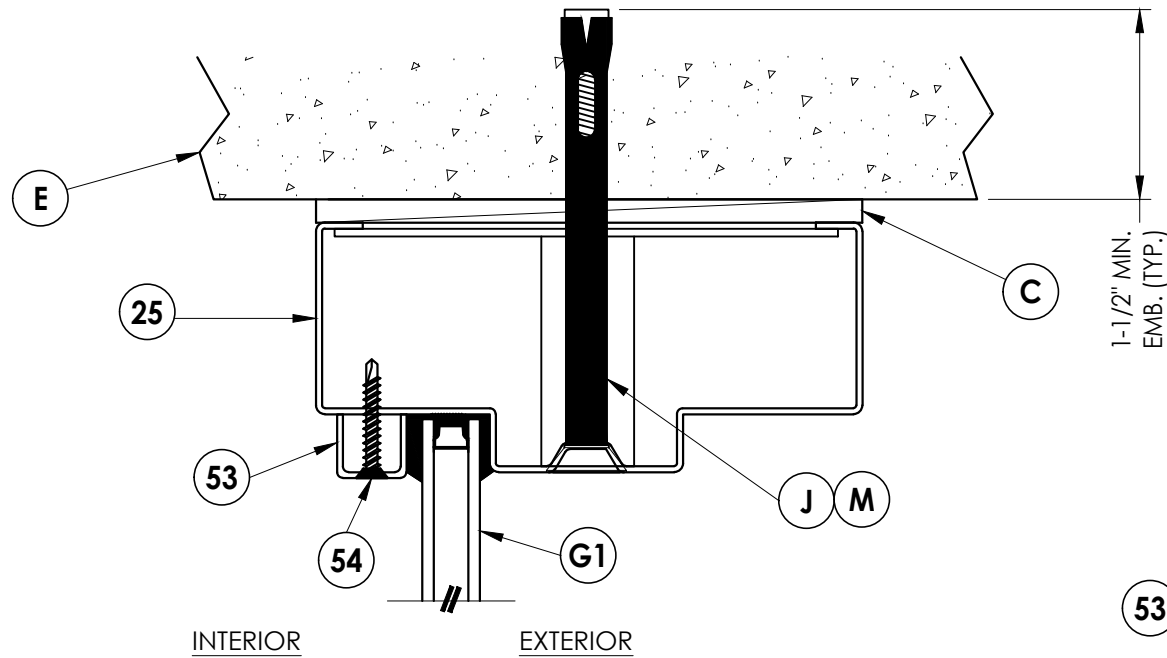
3 Inswing shown Outswing also approved

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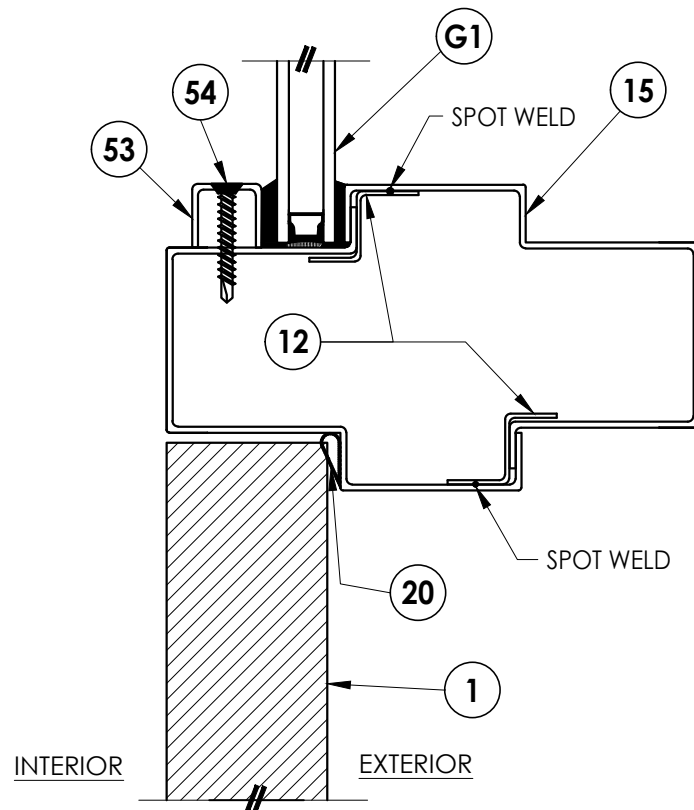
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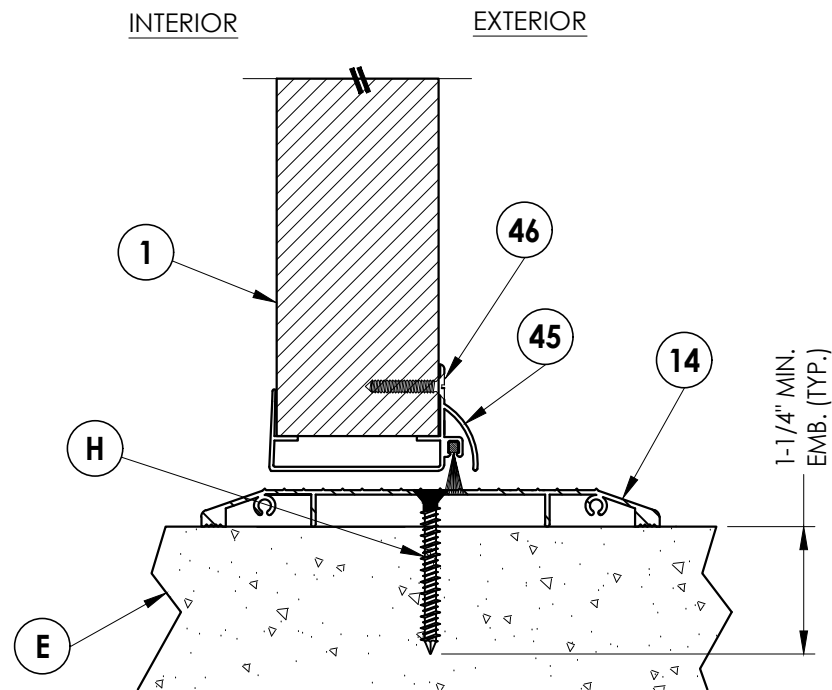
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1
4 **VERTICAL CROSS SECTION**
Inswing shown
Outswing also approved



2
4 **VERTICAL CROSS SECTION**
Inswing shown
Outswing also approved



3
4 **VERTICAL CROSS SECTION**
Optional inswing shown

NO.	DATE	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

DATE: 11/3/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

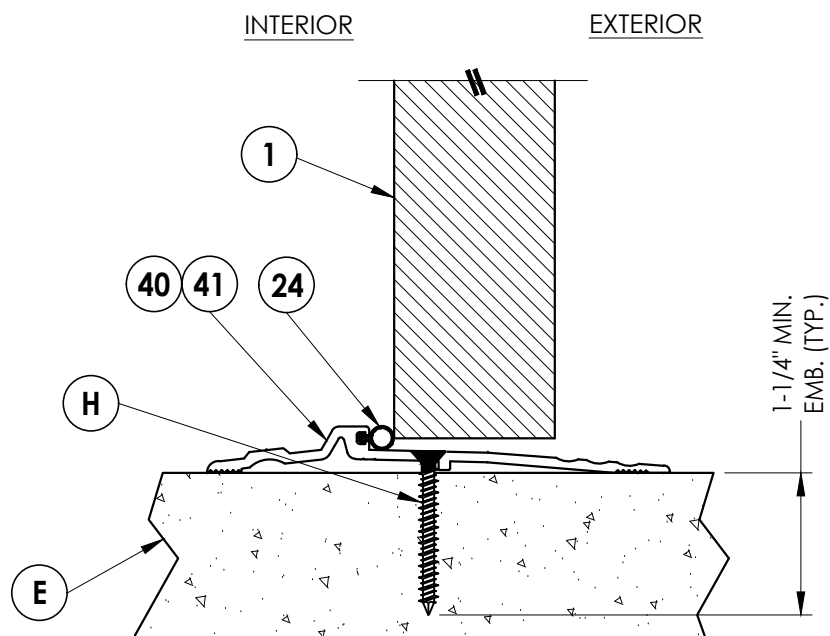
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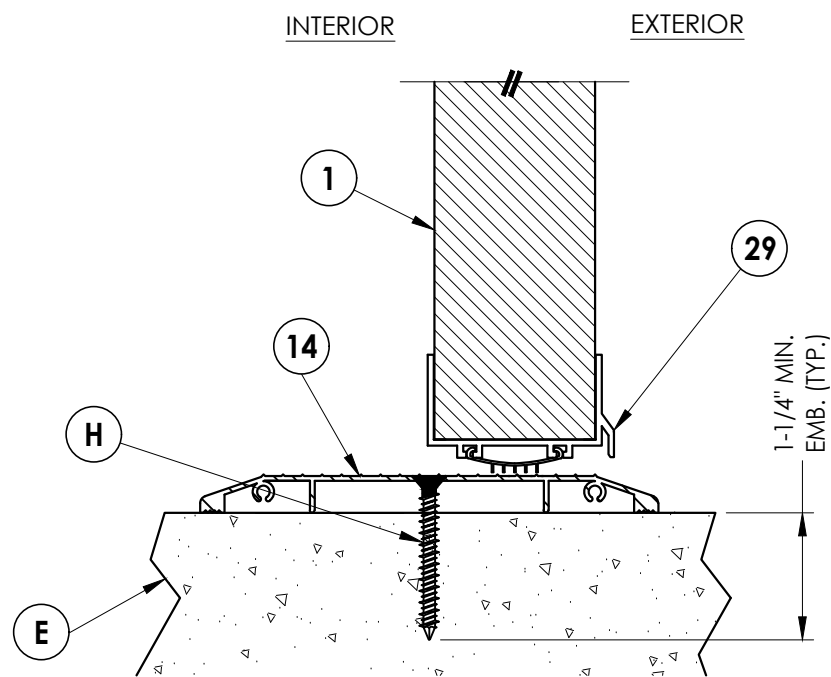
SHEET 4 OF 8

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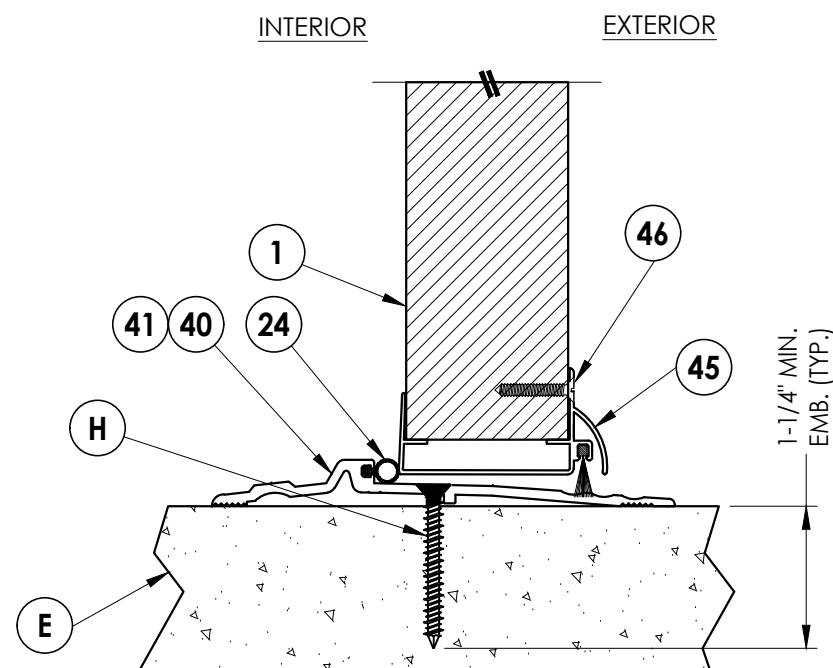
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1 VERTICAL CROSS SECTION
5 Optional outswing shown



3 VERTICAL CROSS SECTION
5 Optional Outswing shown

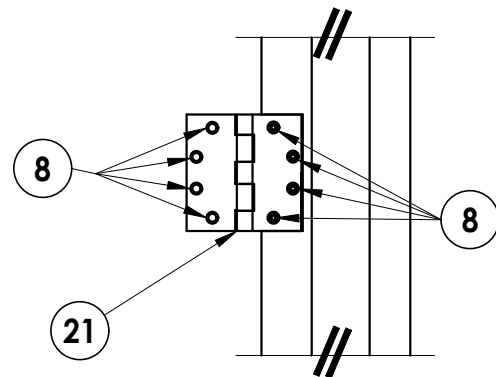


2 VERTICAL CROSS SECTION
5 Optional Outswing shown

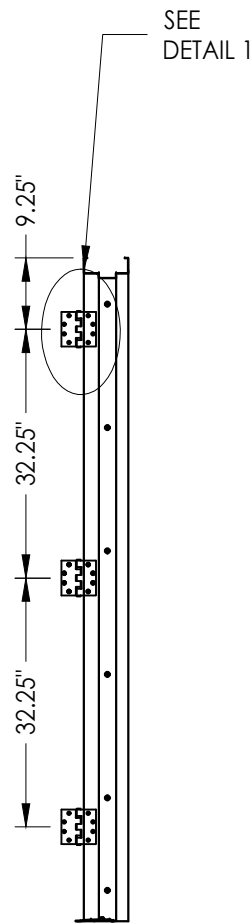
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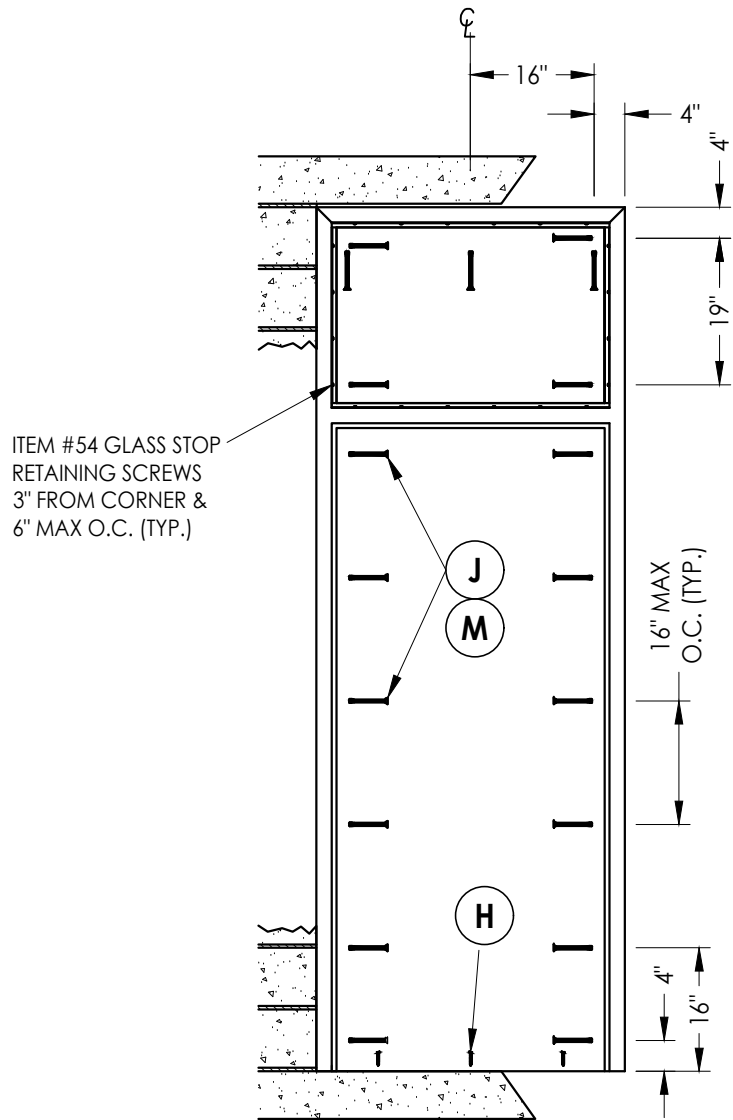
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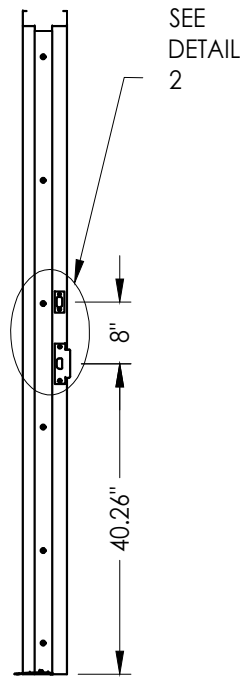
DETAIL 1



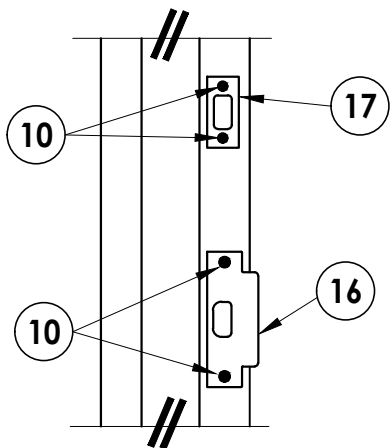
HINGE JAMB



FRAME ANCHORING



STRIKE 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"

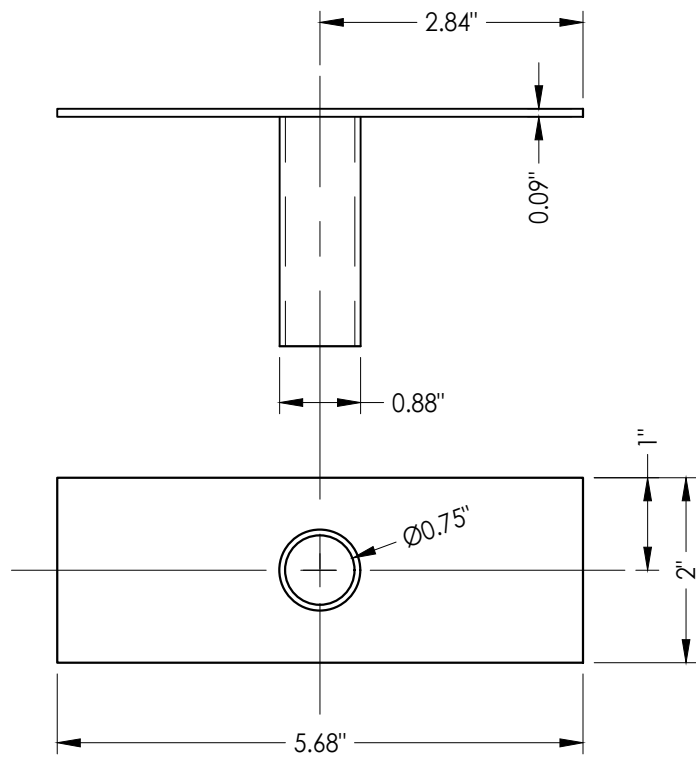
4. Embedment may be through 1-1/4" face shell of hollow block.

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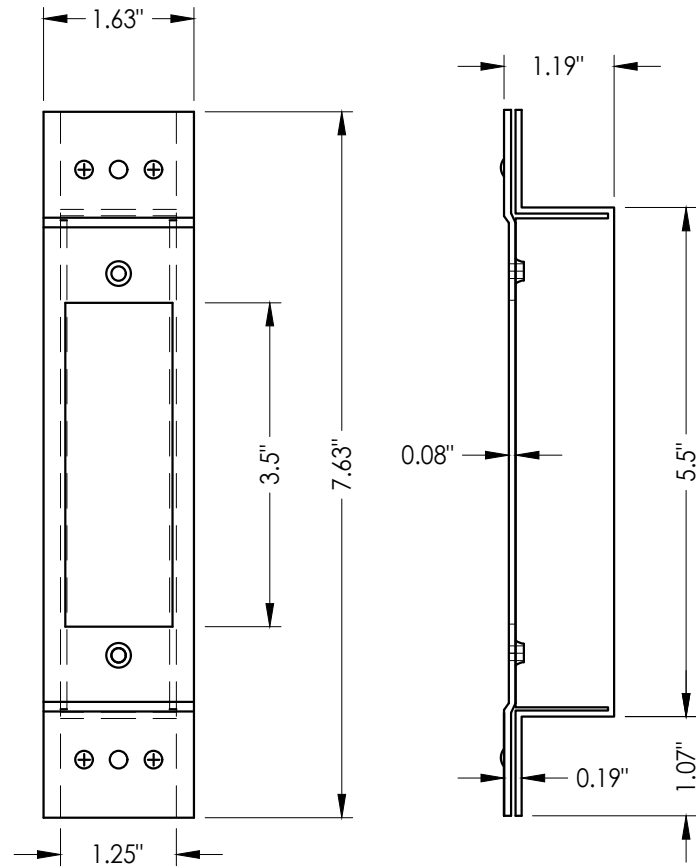
PRODUCT: "N" STEEL DOOR MM/	PART OR ASSEMBLY: ANCHORING DETAILS
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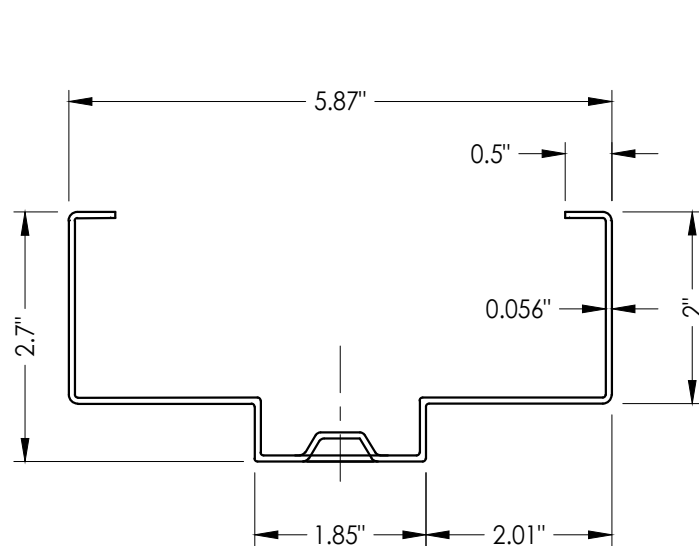
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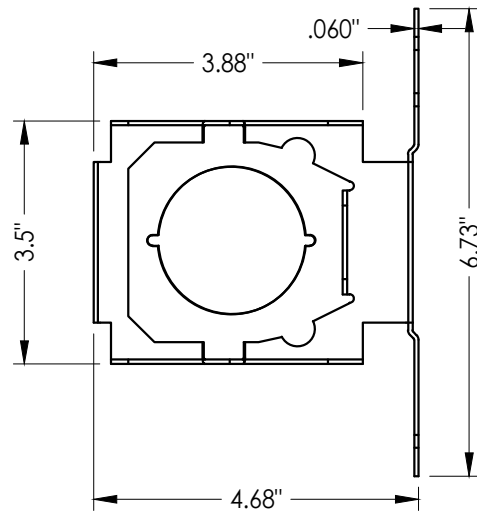
9 TUBE ANCHOR



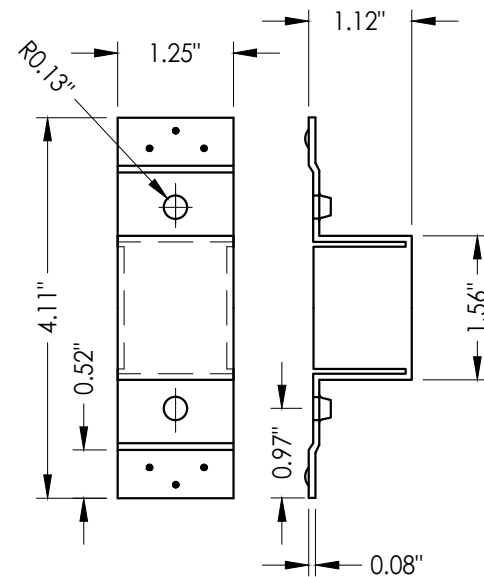
27 LATCH STRIKE REINFORCEMENT



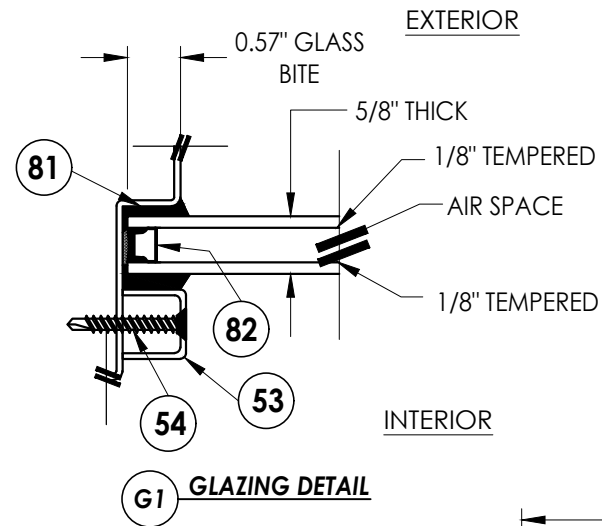
25 HOLLOW METAL FRAME



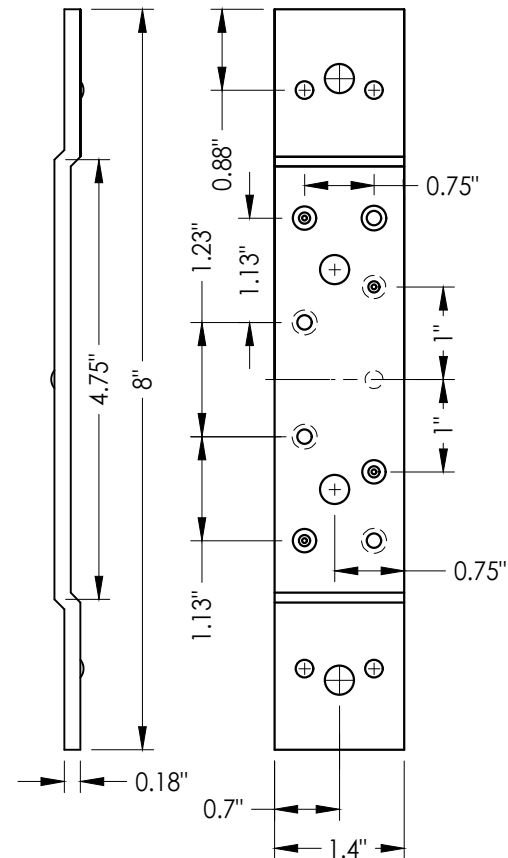
5 LOCK BOX REINFORCEMENT



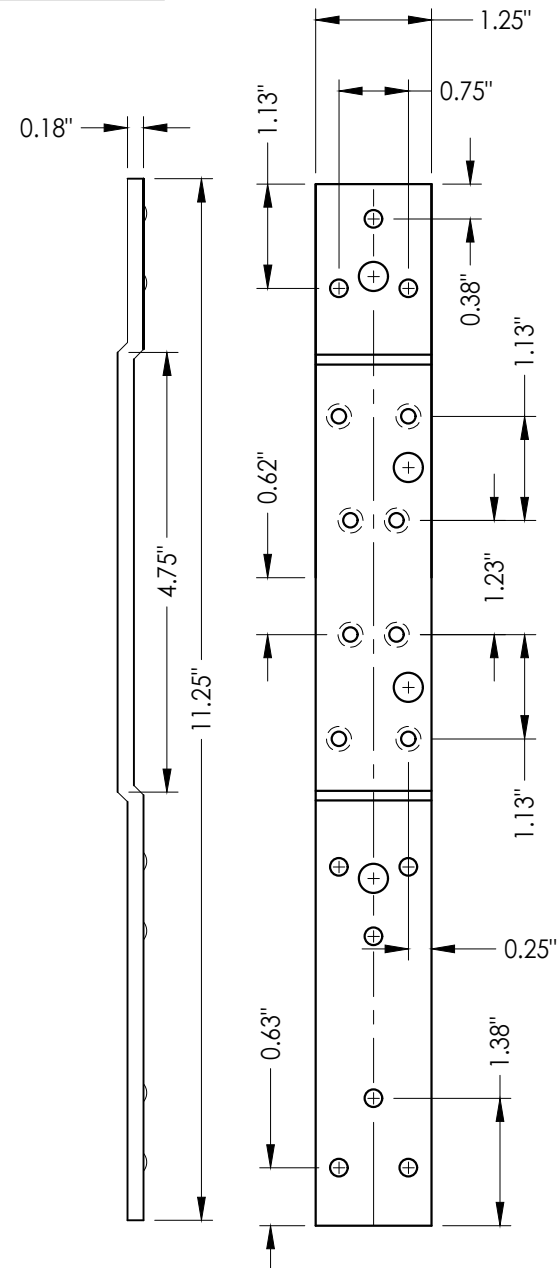
19 DEADBOLT STRIKE REINFORCEMENT



G1 GLAZING DETAIL



23 **STANDARD (SHORT) DOOR HINGE**



22 **STANDARD (LONG) DOOR HINGE**
Reinforcement top hinge

[illegible]

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