

MESKER MBM, LLC

"N" SERIES COMMERCIAL SINGLE OPAQUE DOOR OUTSWING (HVHZ) (IMPACT)

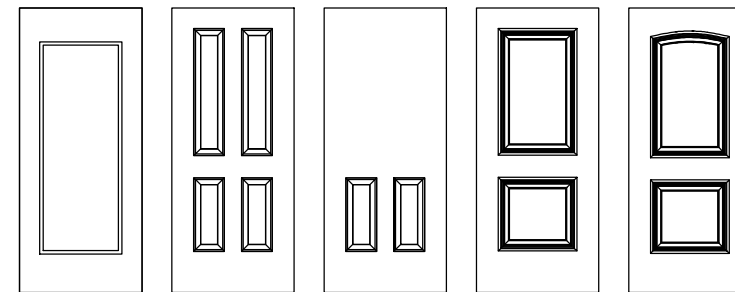
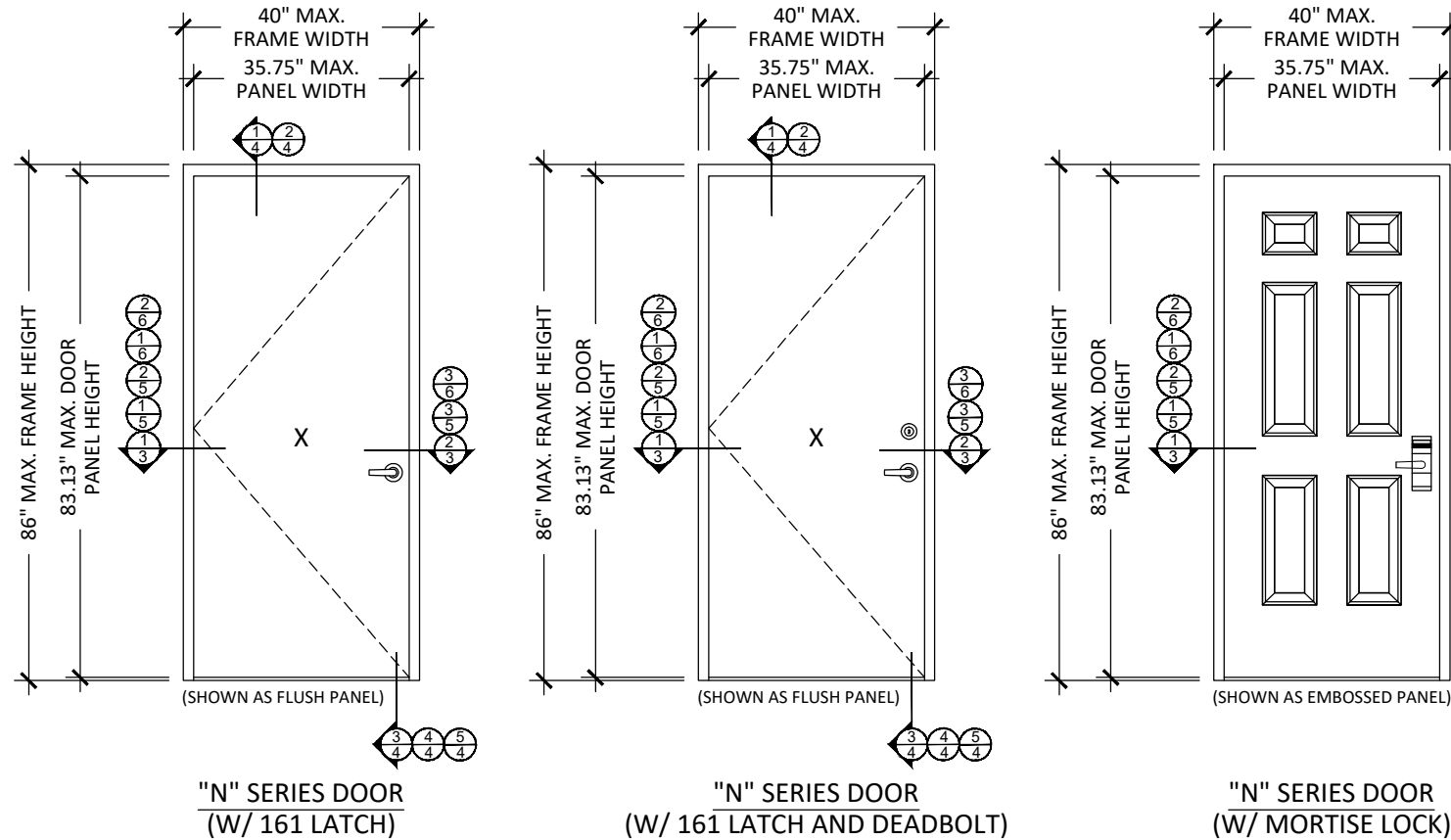


MESKER MBM, LLC
3340 STANDWOOD BLVD.
HUNTSVILLE, AL 35811
PH: (256) 851-6670

TITLE: "N" SERIES COMMERCIAL SINGLE OPAQUE DOOR - OUTSWING (HVHZ) (IMPACT)
TYPICAL ELEVATION, DESIGN PRESSURE & GENERAL NOTES
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

GENERAL NOTES

- THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODE (FBC) TAS 201-94, TAS 202-94, TAS 203-94 STRUCTURAL REQUIREMENTS INCLUDING THE "HIGH VELOCITY HURRICANE ZONE".
- 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 THE "HVHZ" THIS PRODUCT COMPLIES WITH SECTION 1626 OF THE FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
- SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.
- OUTSWING CONFIGURATIONS MEET THE WATER INFILTRATION REQUIREMENTS FOR THE "HVHZ".
- ALL STEEL SHALL BE PROTECTED AS SPECIFIED IN CHAPTER 22 OF THE FBC.



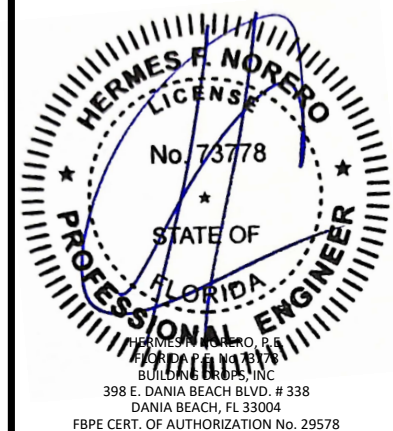
ADDITIONAL EMBOSSED PANEL OPTIONS

OVERALL FRAME SIZE		LOCK TYPE	DESIGN PRESSURE (PSF)	
WIDTH	HEIGHT		POSITIVE	NEGATIVE
40"	86"	161 LATCH (SCHLAGE)	+55.0	-55.0
40"	86"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+70.0	-75.0
40"	86"	86E MORTISE LOCK (ONITY)	+60.0	-75.0

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4	HORIZONTAL CROSS SECTION
5	HORIZONTAL CROSS SECTION
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7	VERTICAL CROSS SECTION
8	FRAME ANCHORING
9	ANCHORING DETAILS
10	COMPONENTS
11	BILL OF MATERIALS & COMPONENTS

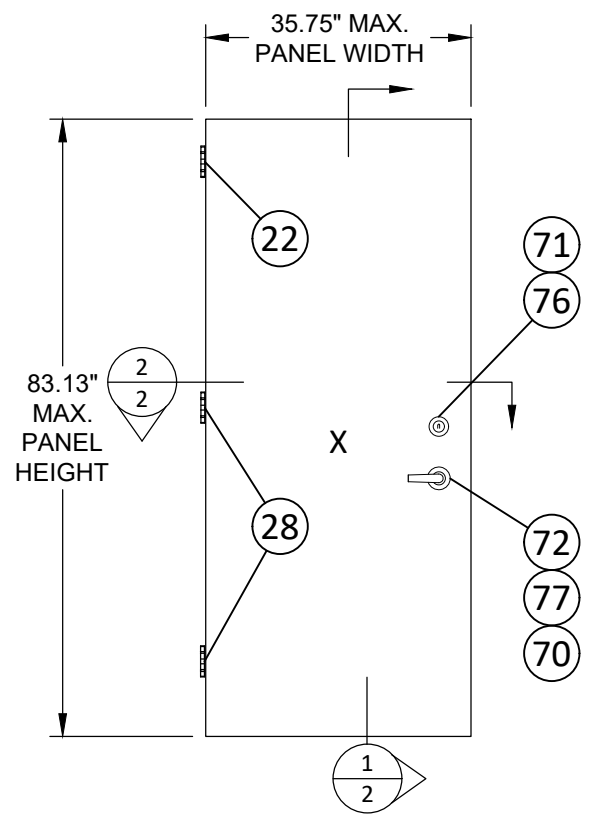
REMARKS	BY	DATE
2023 NAME CHANGE	MG	03/23

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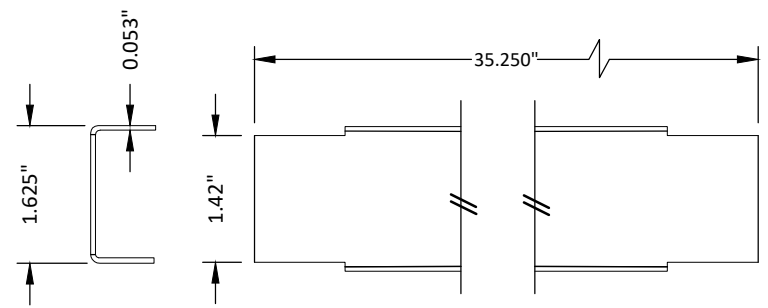


FL #:	FL11218
DATE:	08.14.08
DWG. BY:	JK
CHK. BY:	FLS
SCALE:	NTS
DWG. #:	MDI015
SECTION:	1

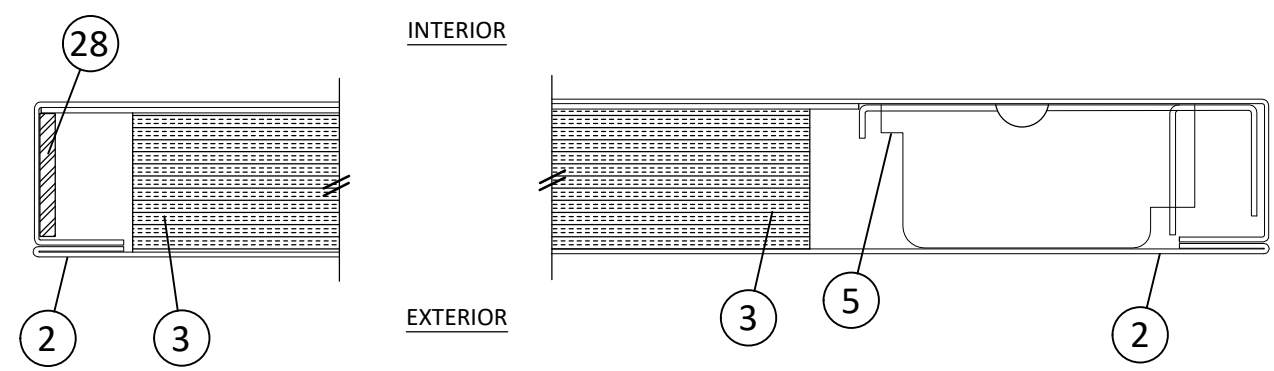
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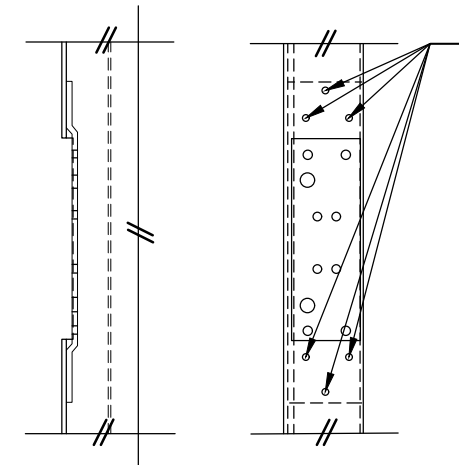
1 "N" OPAQUE STEEL DOOR PANEL



4 DOOR TOP & BOTTOM CLOSER

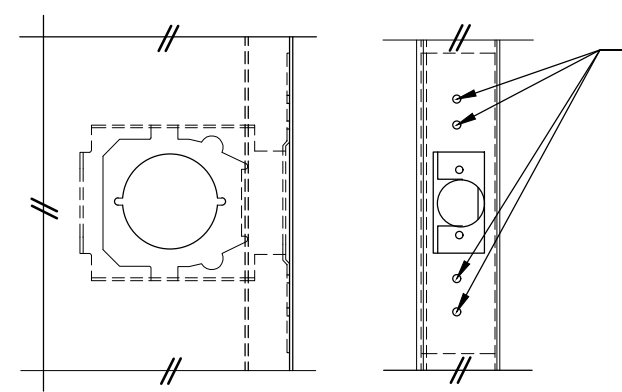


2 HORIZONTAL CROSS SECTION DOOR PANEL

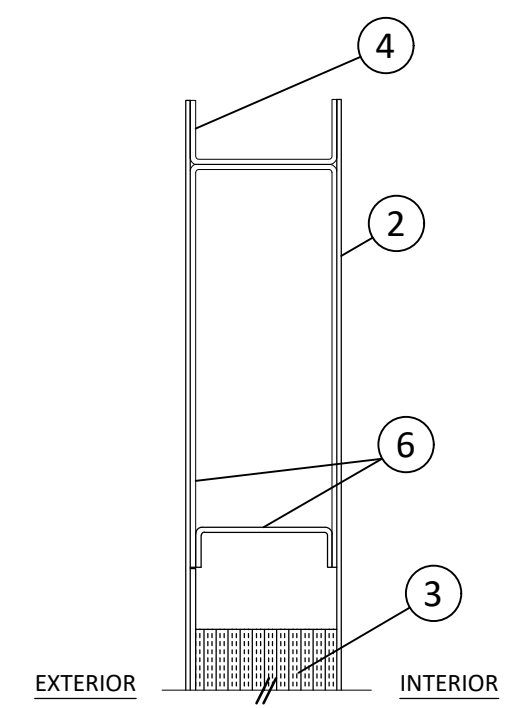


- 6 PROJECTION WELDS**
- 0.190" FUZED ZONE DIAMETER
 - 3/4" SPACING
 - AVG. TENSILE STRENGTH = 800 lbs

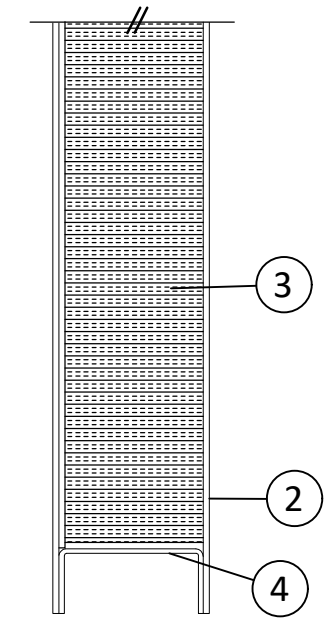
23 DOOR HINGE REINFORCEMENT



5 LOCK BOX REINFORCEMENT



1 VERTICAL CROSS SECTION DOOR PANEL



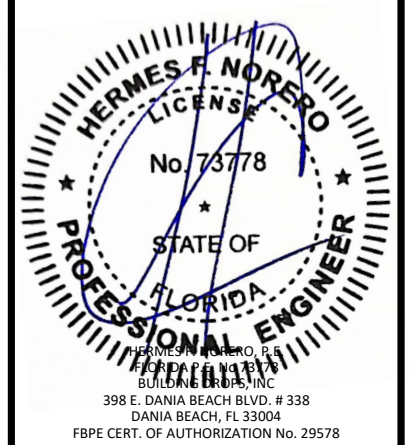
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DOOR PANEL DETAILS

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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
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FBPE CERT. OF AUTHORIZATION No. 29578

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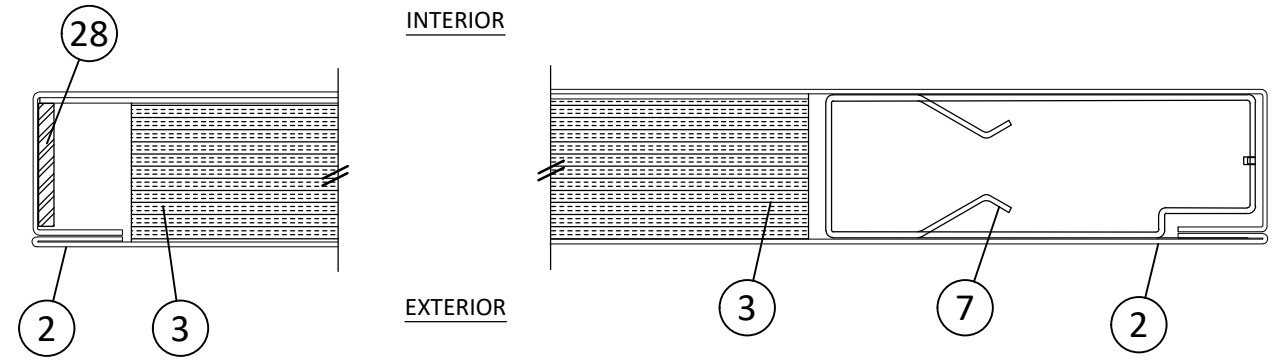
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SCALE: **NTS**

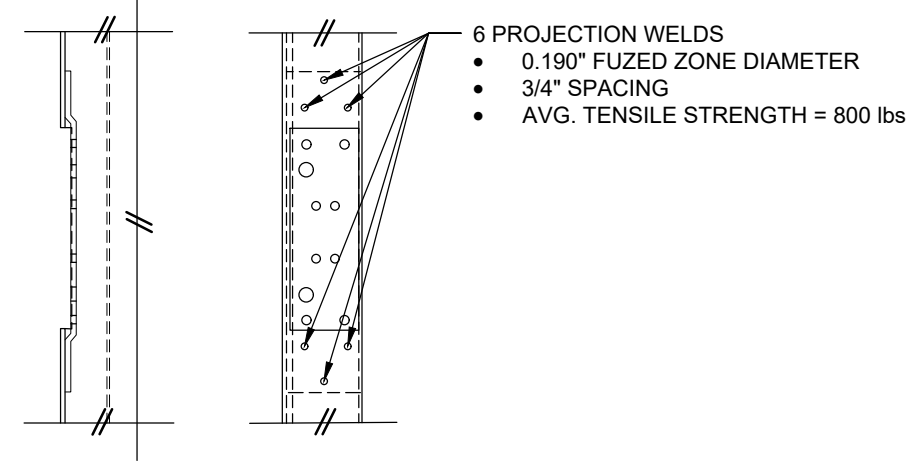
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SECTION: **2**
OF 11

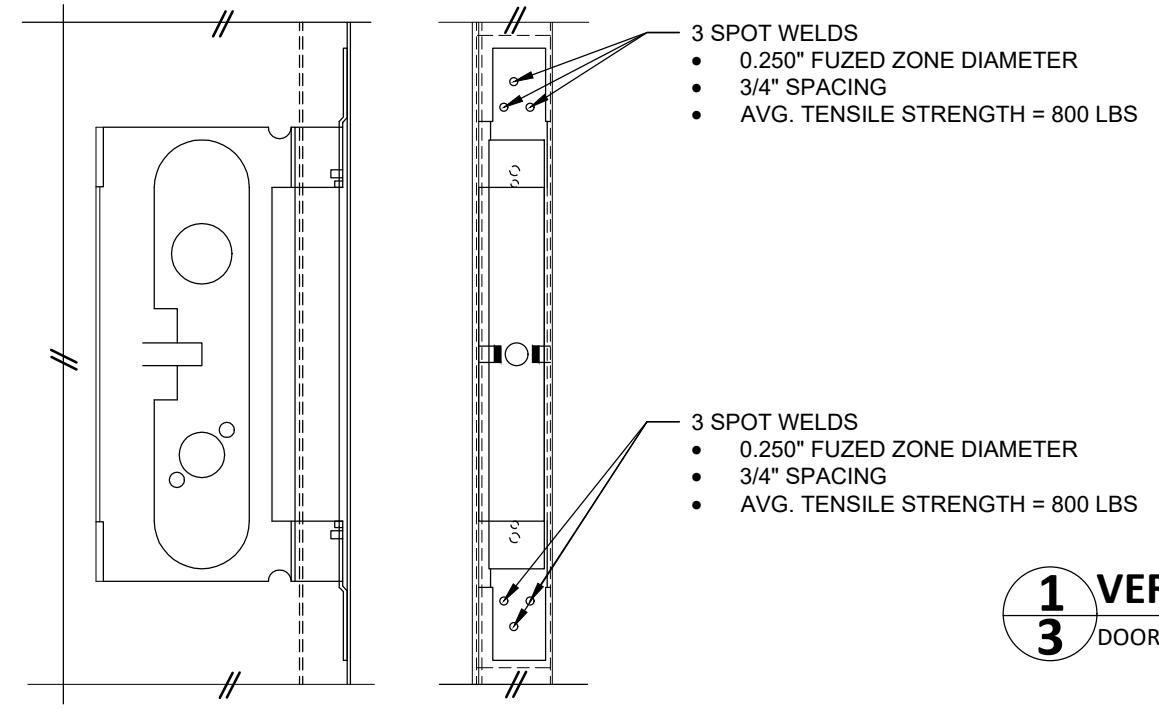
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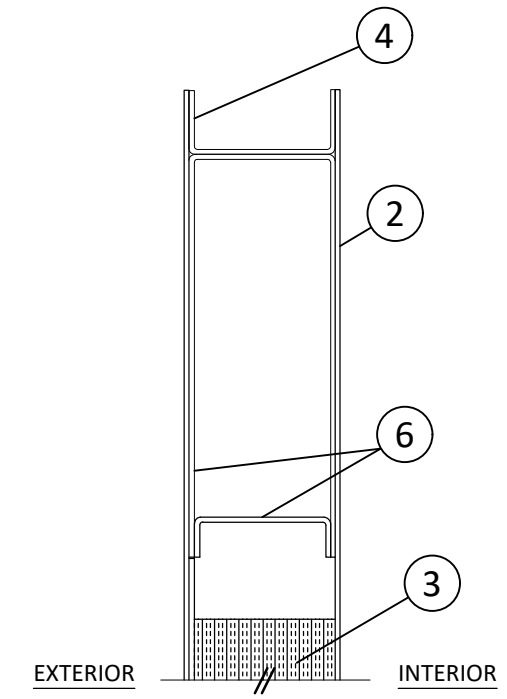
2 HORIZONTAL CROSS SECTION
3 DOOR PANEL



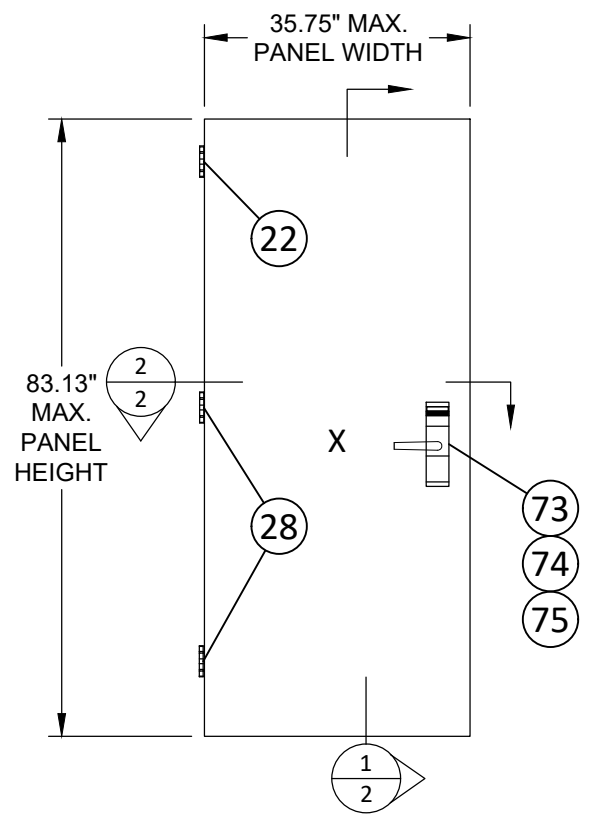
23 DOOR HINGE REINFORCEMENT



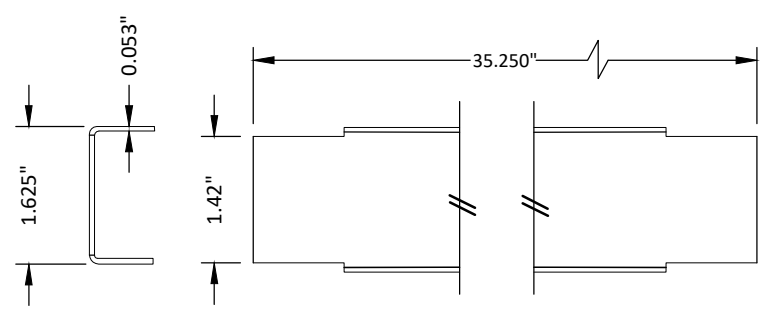
7 MORITISE BOX REINFORCEMENT



1 VERTICAL CROSS SECTION
3 DOOR PANEL



1 "N" OPAQUE STEEL DOOR PANEL



4 DOOR TOP & BOTTOM CLOSER



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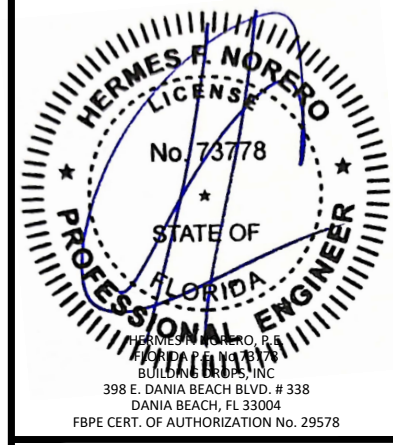
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SECTION: **3**

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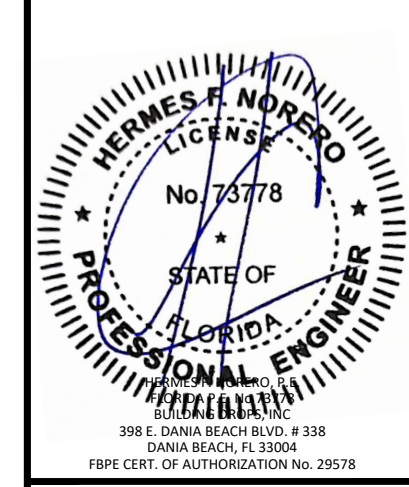
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 OPAQUE DOOR - OUTSWING
 (HVHZ) (IMPACT)
 HORIZONTAL CROSS SECTIONS

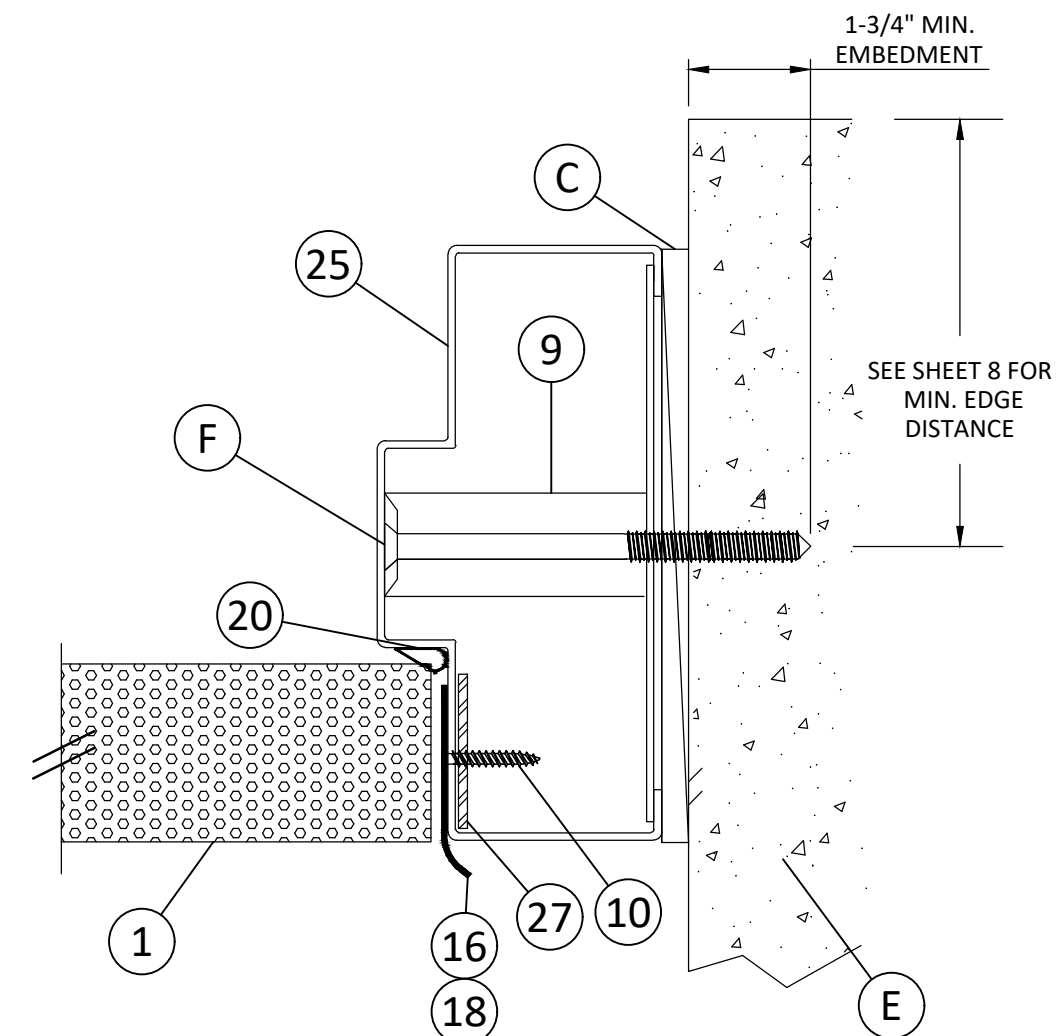
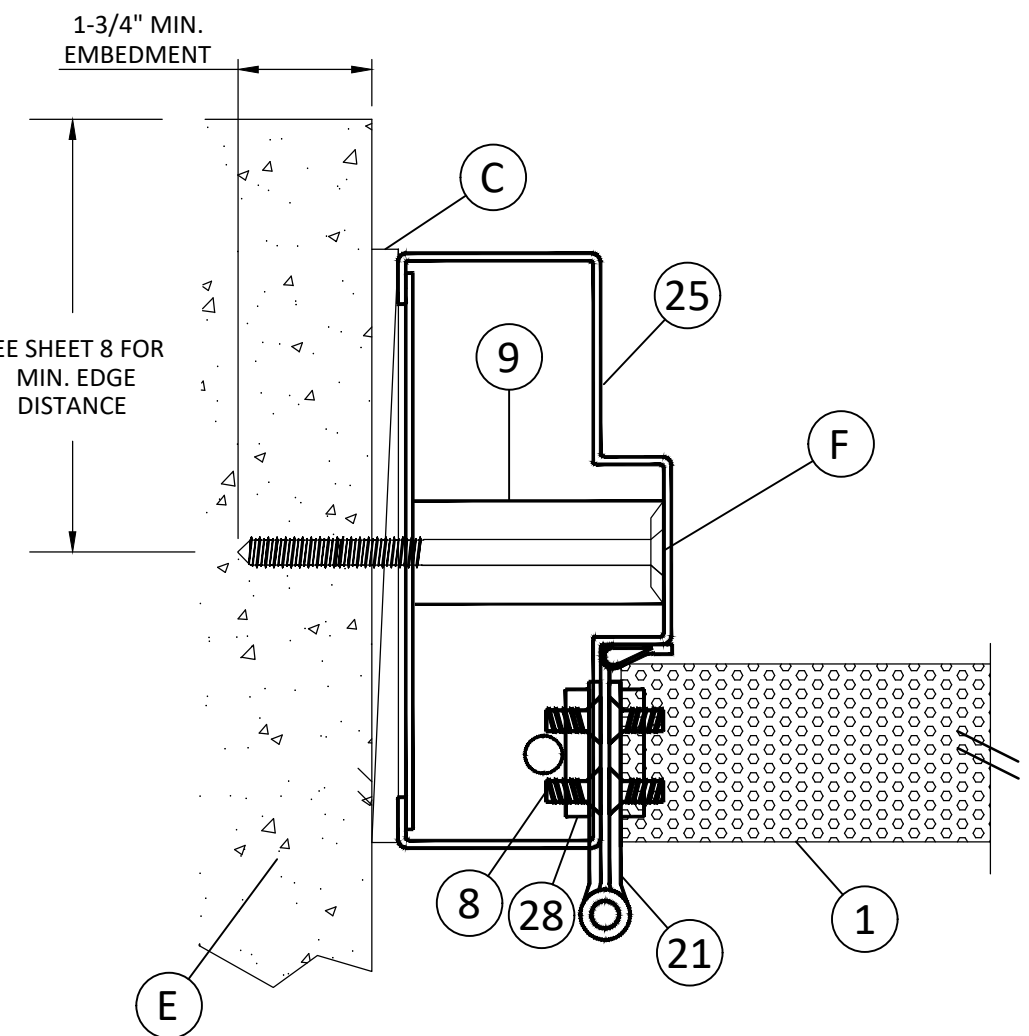
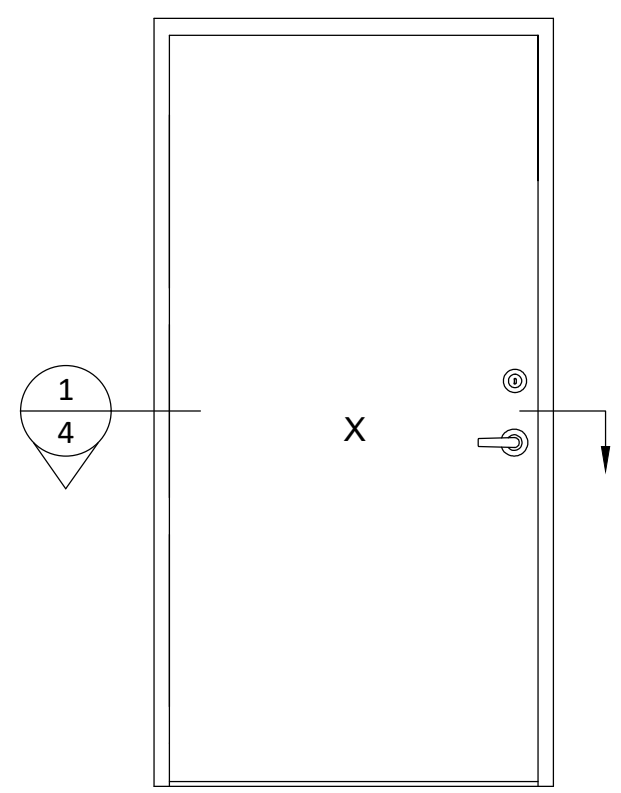
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1
4 HORIZONTAL CROSS SECTION

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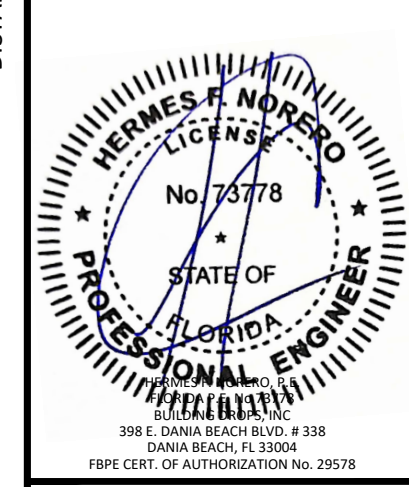
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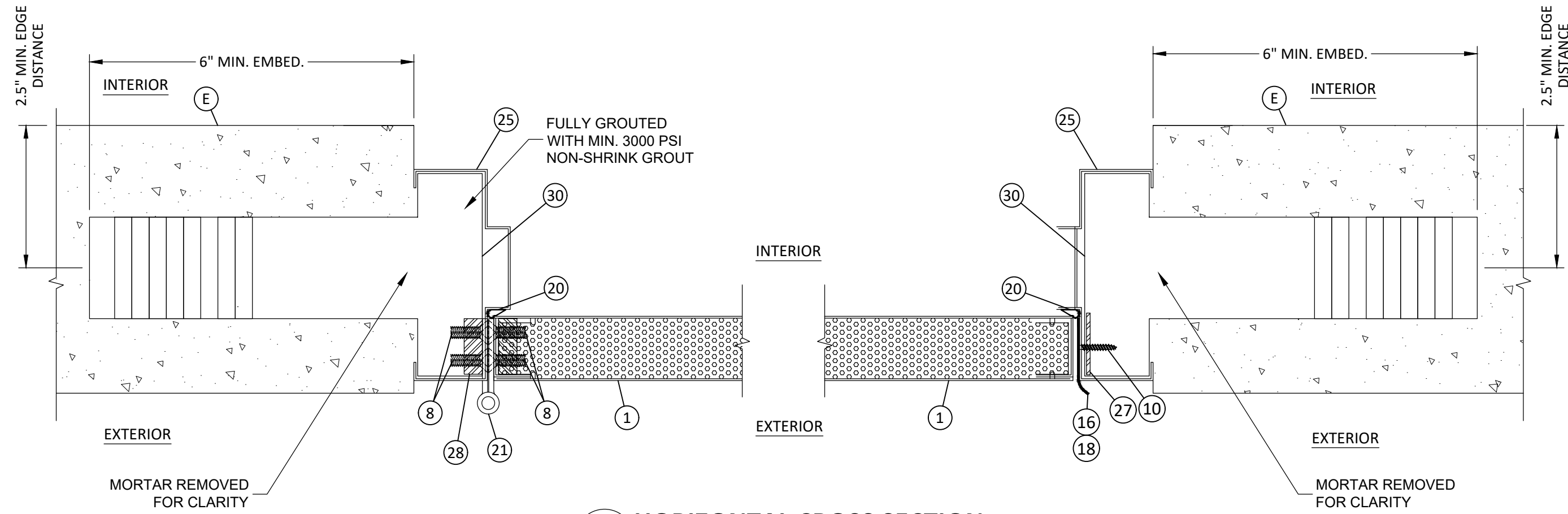
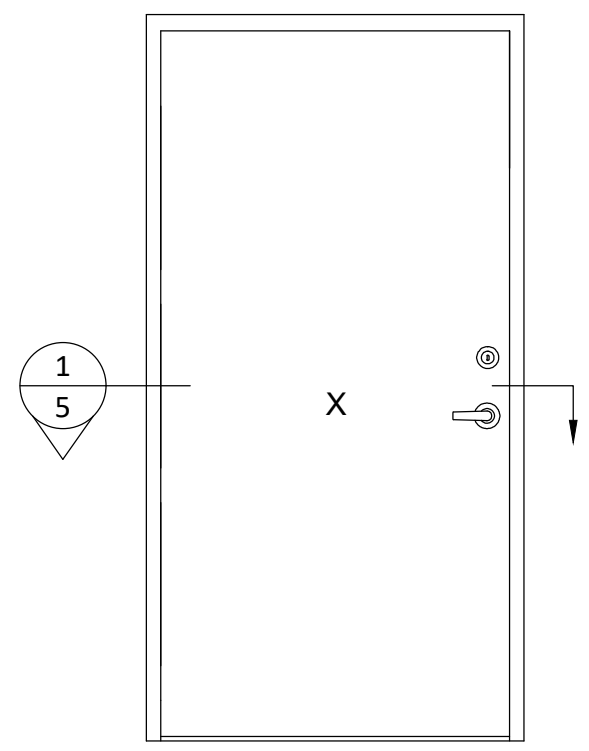
DATE: **08.14.08**

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DWG. #: **MDI015**

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1
5 HORIZONTAL CROSS SECTION

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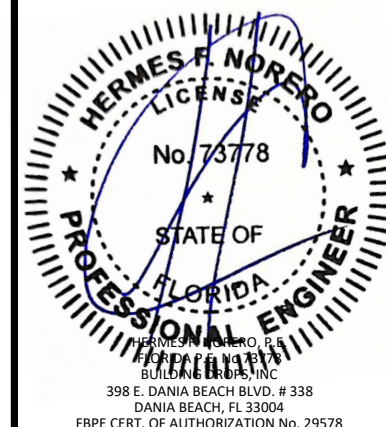
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HORIZONTAL CROSS SECTIONS

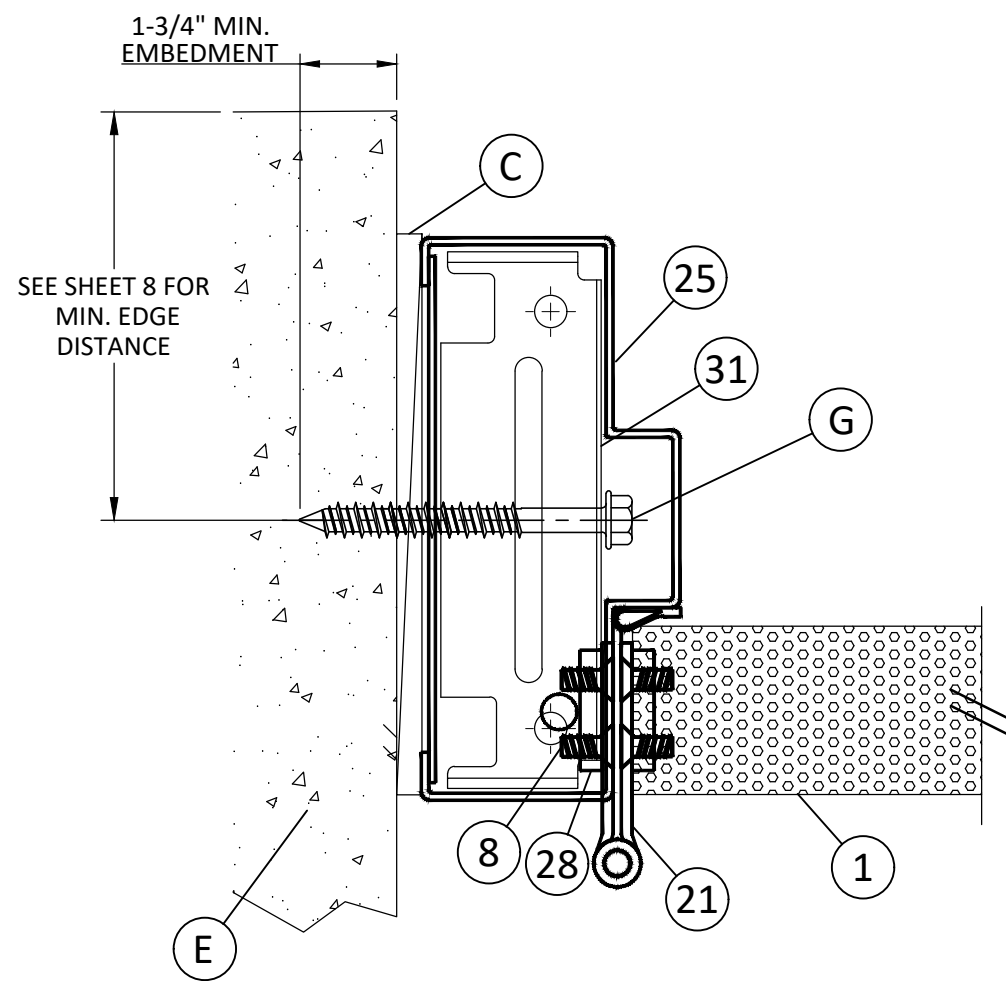
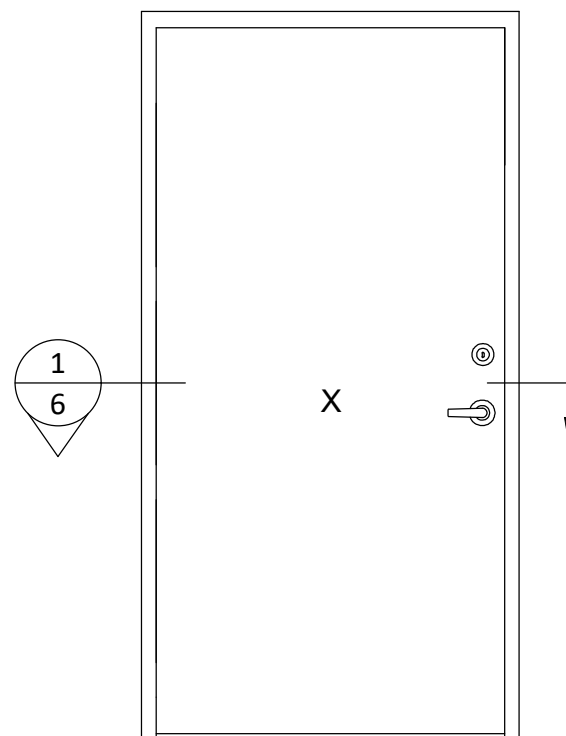
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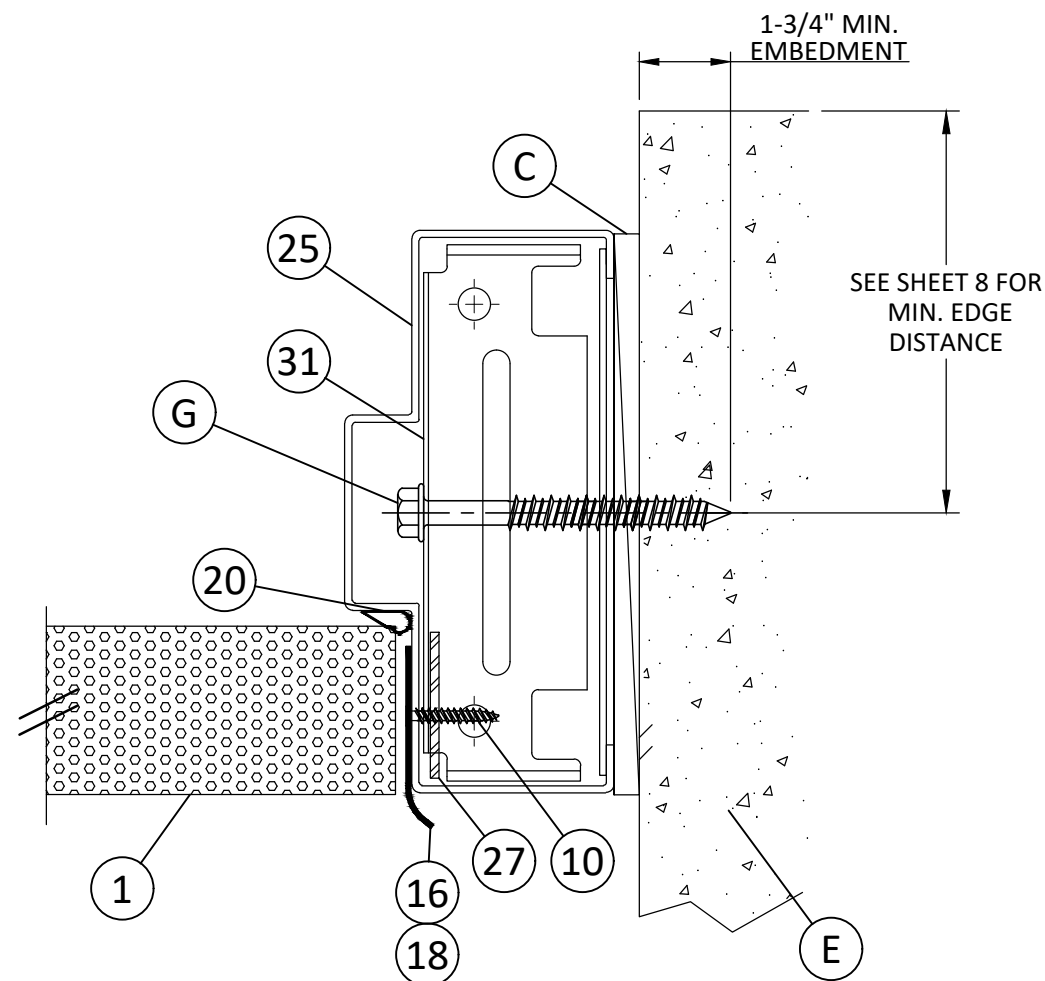


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SECTION:	6



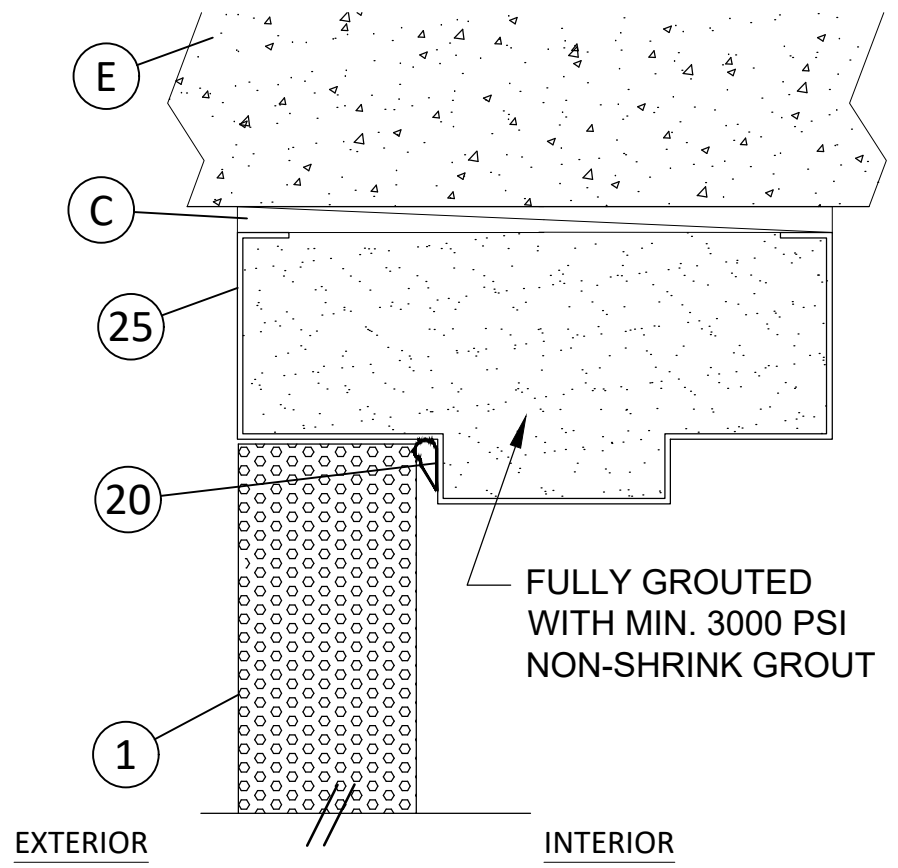
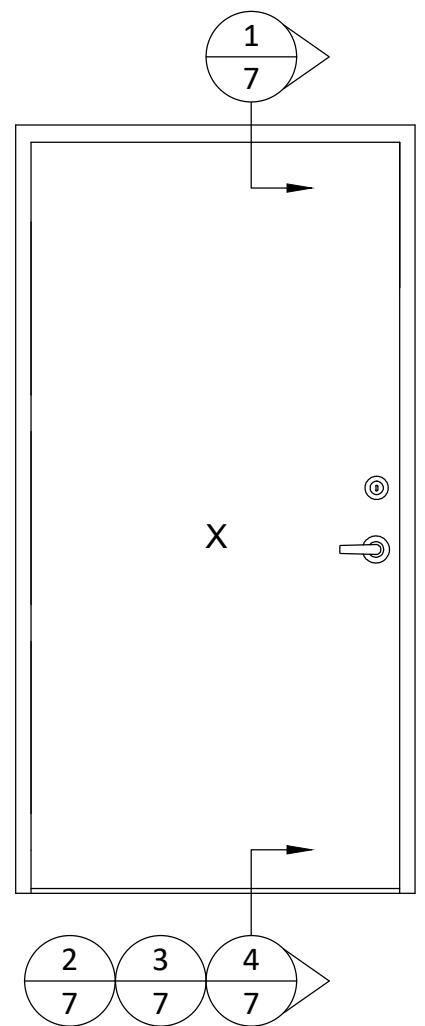
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EXTERIOR

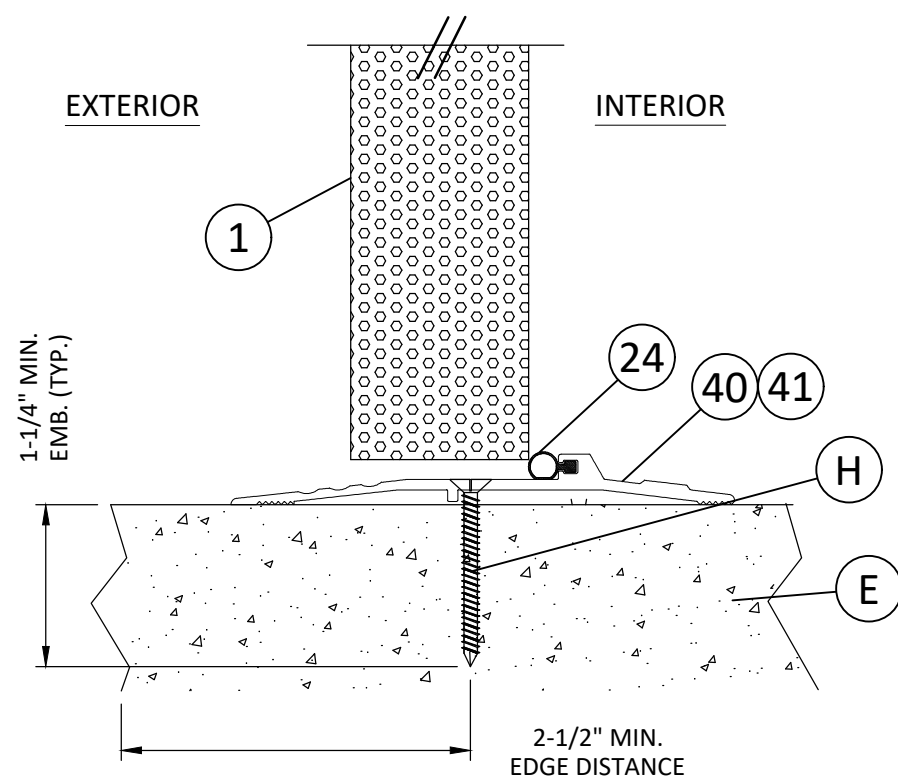


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6 HORIZONTAL CROSS SECTION

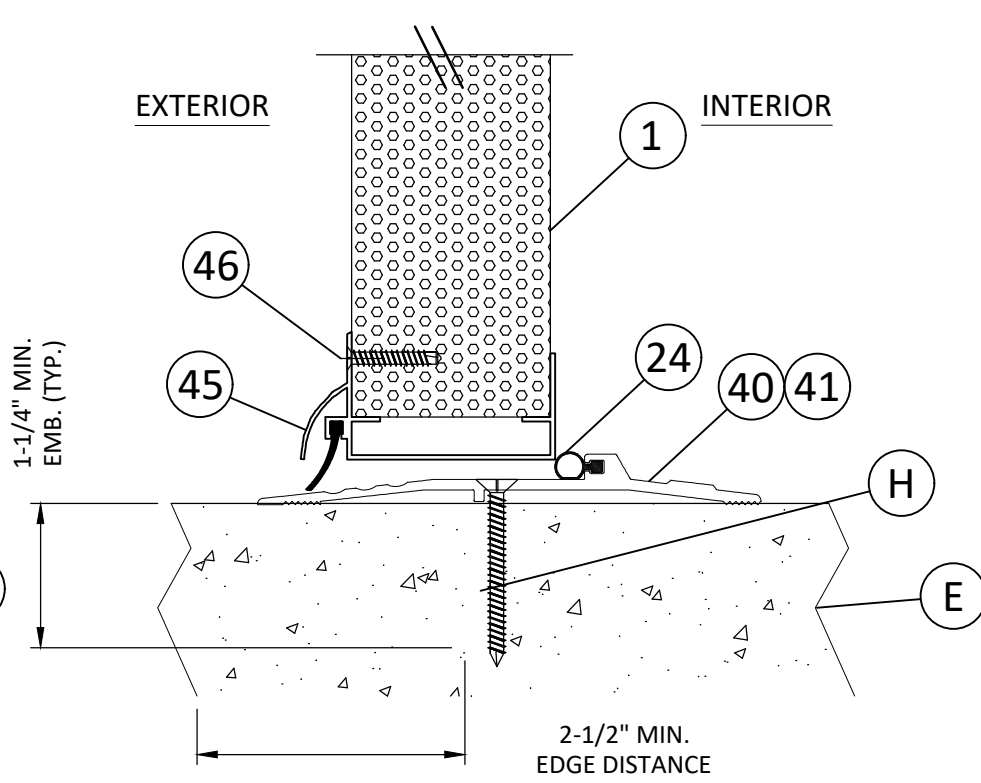
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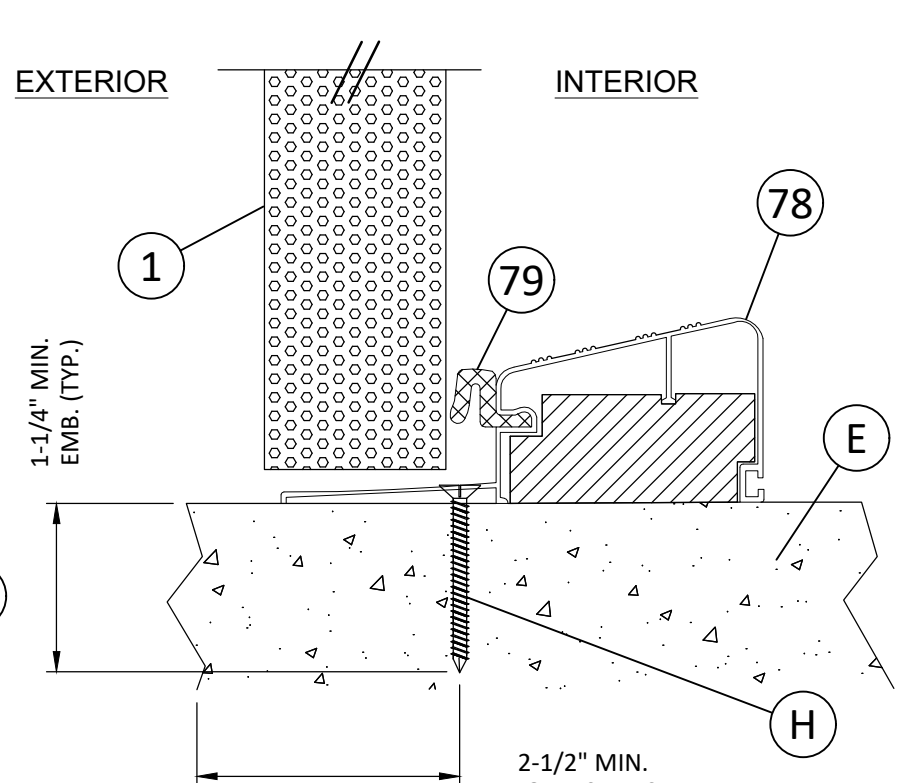
1 VERTICAL CROSS SECTION
7 W/ 2" HEAD



2 VERTICAL CROSS SECTION
7



3 VERTICAL CROSS SECTION
7



4 VERTICAL CROSS SECTION
7 WATER RATED THRESHOLD



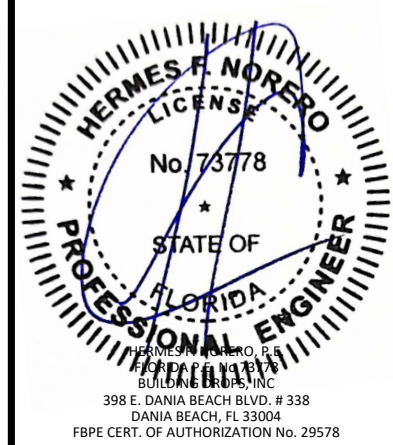
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OPAQUE DOOR - OUTSWING
(HVHZ) (IMPACT)
VERTICAL CROSS SECTIONS

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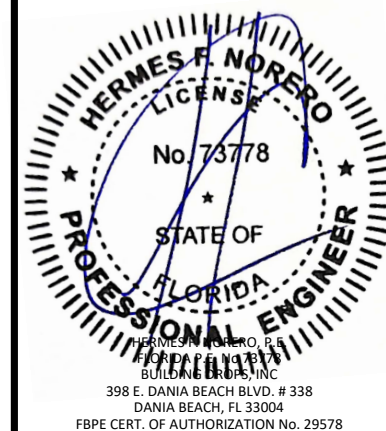
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FRAME ANCHORING

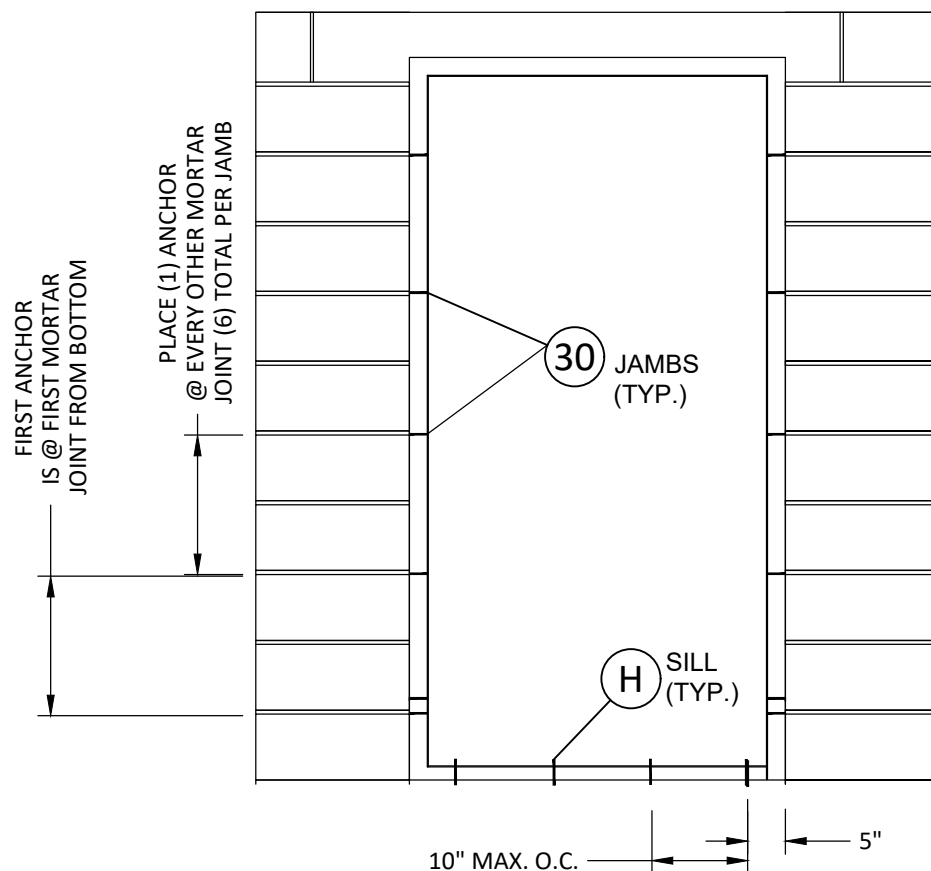
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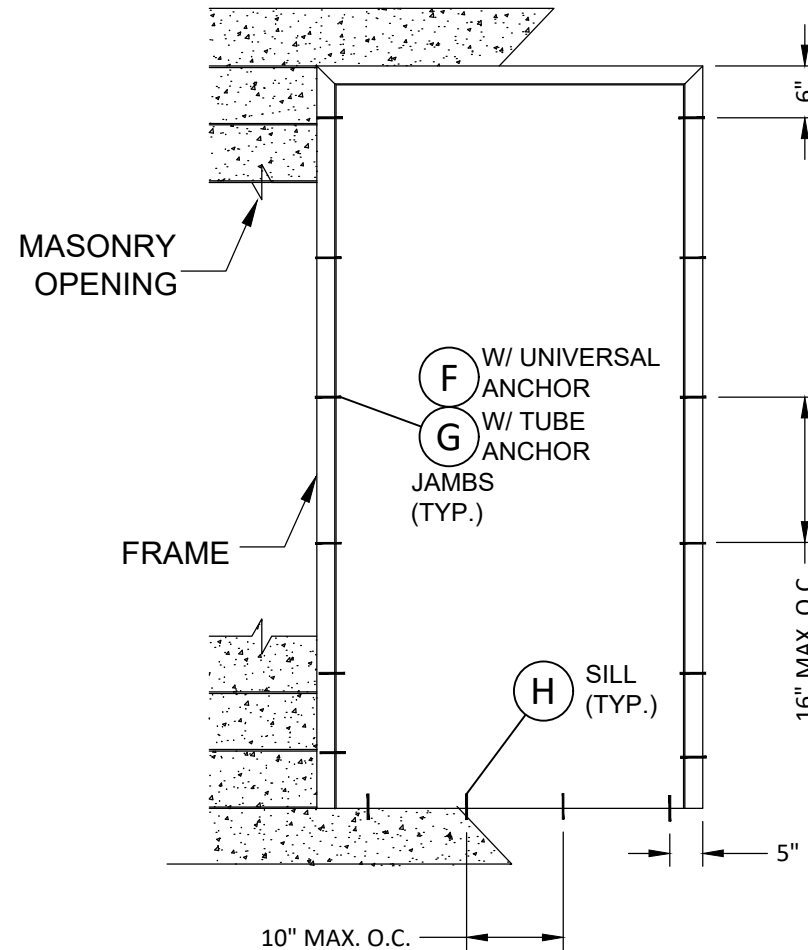
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FRAME ANCHORING
T-STRAP & WIRE ANCHOR



FRAME ANCHORING
CONCRETE/MASONRY

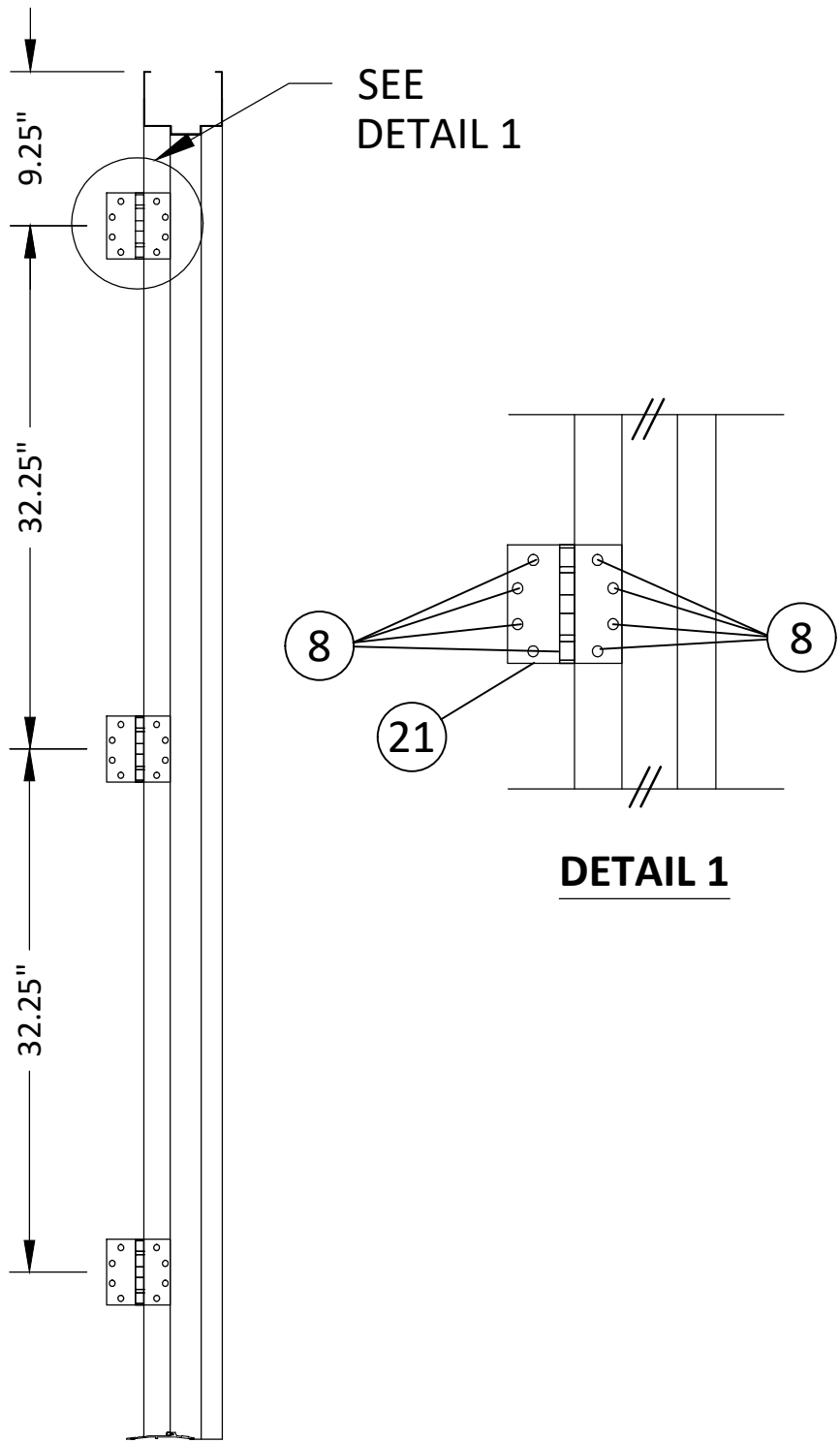
CONCRETE ANCHOR NOTES:

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. O.C." MUST BE ADJUSTED TO MAINTAIN THE MIN. EDGE DISTANCE TO MORTAR JOINTS. ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. O.C." DIMENSION ARE NOT EXCEEDED.
3. CONCRETE ANCHOR TABLE:

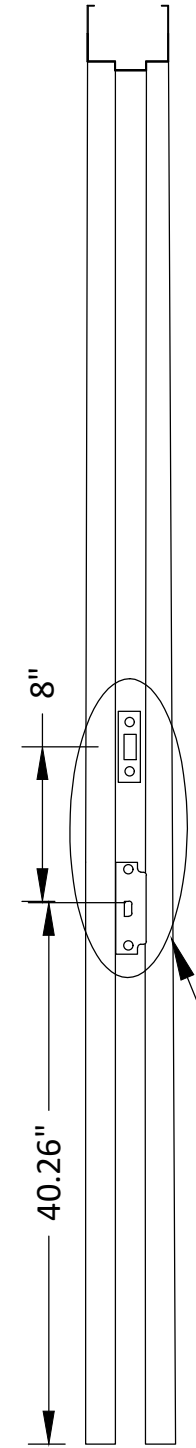
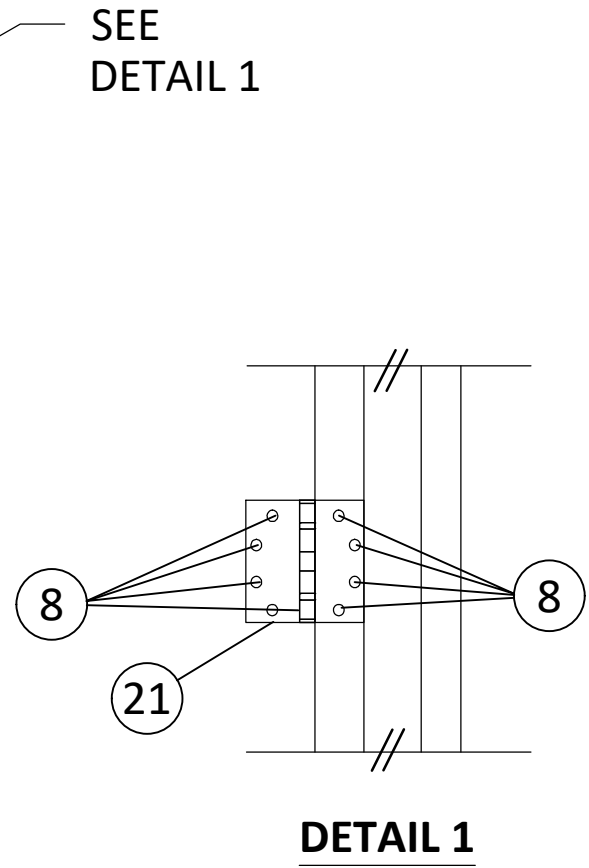
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR	LOCATION
ITW TAPCON	1/4"	1-1/4"	2"	4"	THRESHOLD
ELCO ULTRACON	1/4"	1-1/4"	1"	4"	
ITW TAPCONXL	5/16"	1-3/4"	4"	3-3/4"	FRAME
ELCO ULTRACON	5/16"	1-3/4"	2-1/2"	5"	

4. EMBEDMENT MAY BE THROUGH 1-1/4" FACE SHELL OF HOLLOW BLOCK.

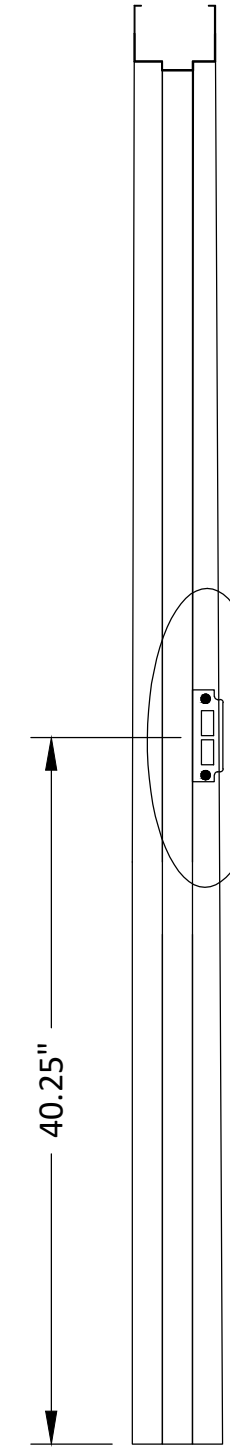
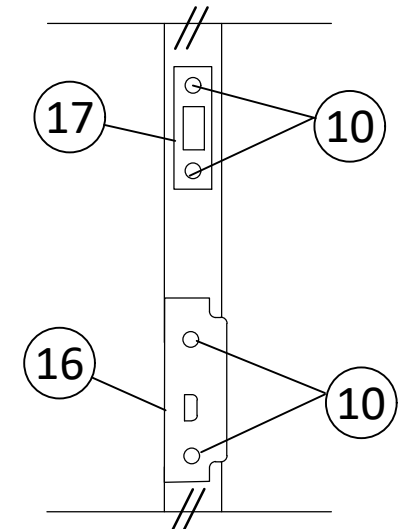
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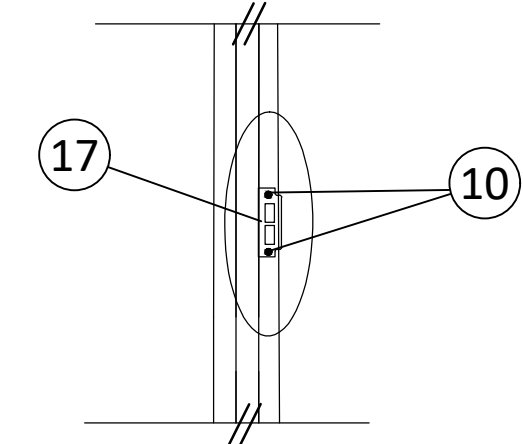
HINGE JAMB



**STRIKE JAMB
ANSI STRIKE & DEAD BOLT STRIKE**



STRIKE JAMB



**SEE
DETAIL 3**

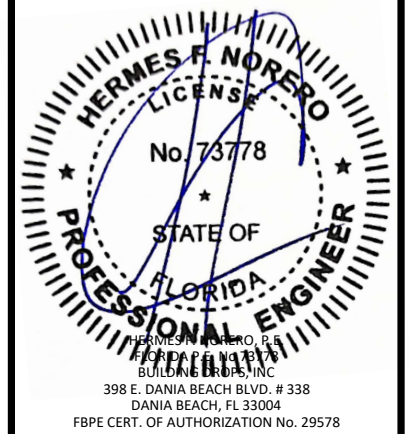


MESKER MBM, LLC
3340 STANDWOOD BLVD.
HUNTSVILLE, AL 35811
PH: (256) 851-6670

TITLE: "N" SERIES COMMERCIAL SINGLE OPAQUE DOOR - OUTSWING (HVHZ) (IMPACT) ANCHORING DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2023 NAME CHANGE	MG	03/23

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FL #: **FL11218**

DATE: **08.14.08**

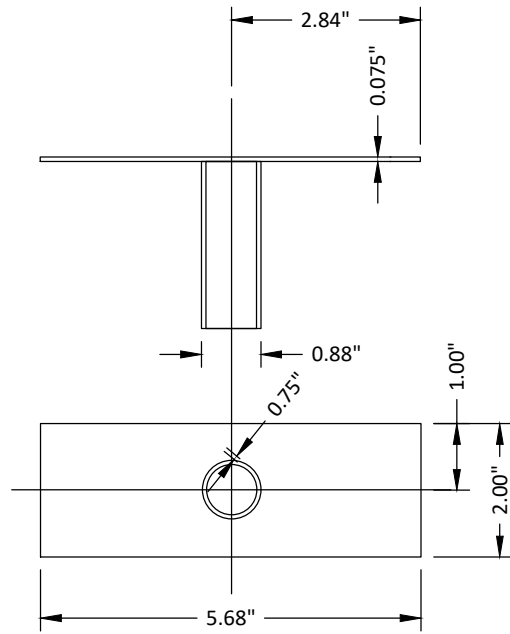
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SCALE: **NTS**

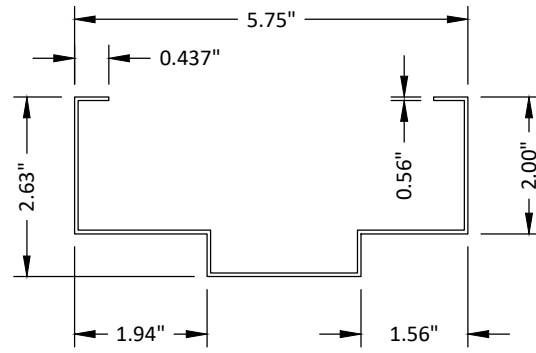
DWG. #: **MDI015**

SECTION: **9**
OF 11

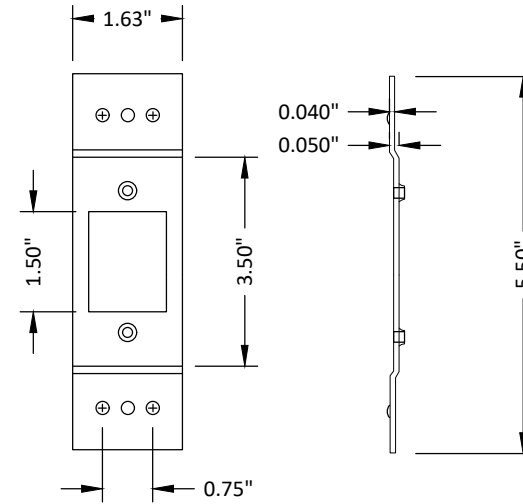
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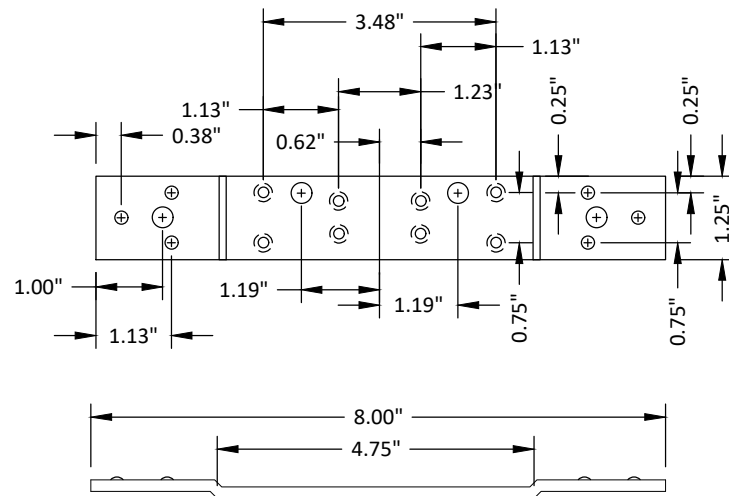
9 TUBE ANCHOR



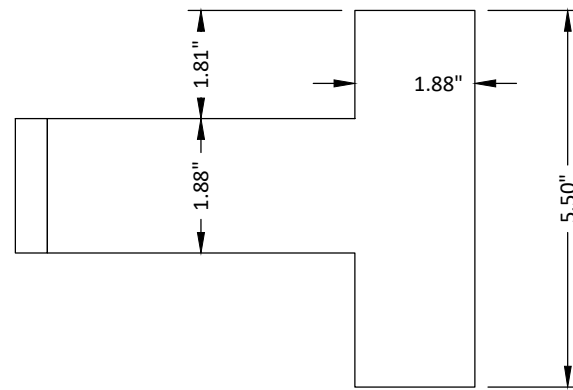
25 FRAME



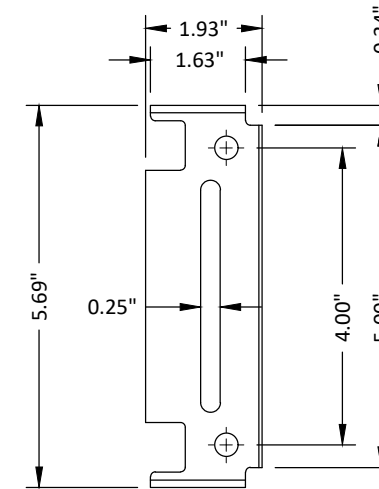
27 LATCH STRIKE REINFORCEMENT



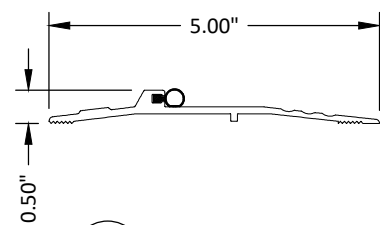
28 FRAME HINGE REINFORCEMENT



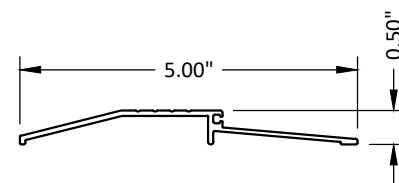
30 MASONRY "TEE" ANCHOR



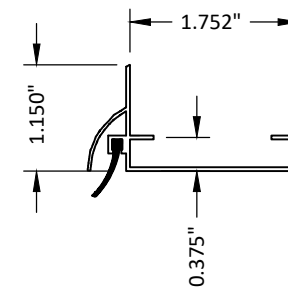
31 UNIVERSAL WALL ANCHOR



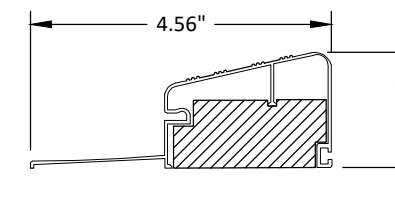
40 THRESHOLD NGP #896V



41 THRESHOLD NGP #950V



45 DOOR SWEEP



78 DOOR SWEEP



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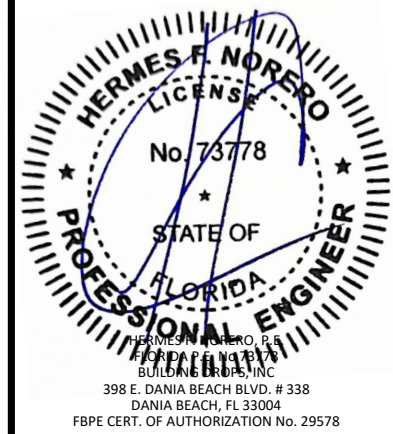
TITLE: "N" SERIES COMMERCIAL SINGLE OPAQUE DOOR - OUTSWING (HVHZ) (IMPACT) COMPONENTS

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SCALE: **NTS**

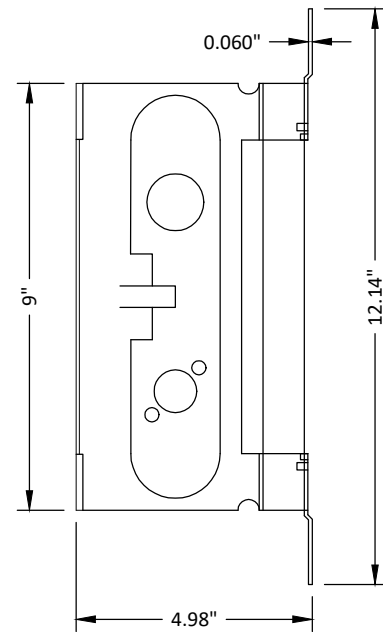
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10
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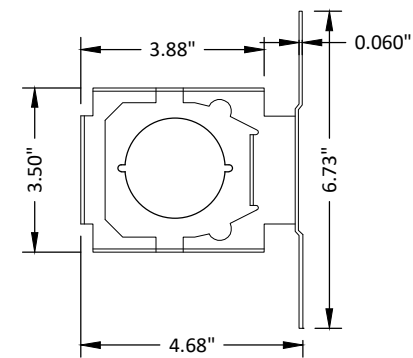
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BILL OF MATERIALS

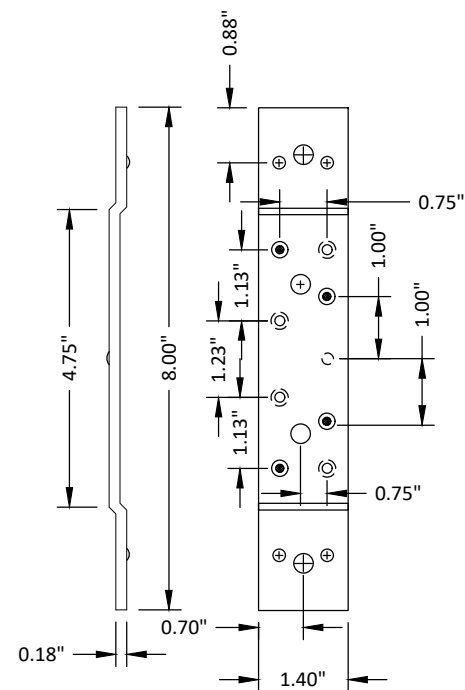
ITEM #	DESCRIPTION	MATERIAL
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	5/16" X 5" PFH ITW OR ELCO CONCRETE SCREW	STEEL
G	5/16" X 4" HWH ITW OR ELCO CONCRETE SCREW	STEEL
H	1/4" X 1-3/4" ITW OR ELCO PFH CONCRETE SCREW	STEEL
1	"N" OPAQUE STEEL DOOR PANEL	-
2	DOOR SKIN - (0.042" THK. STEEL, Fy=40,3000 PSI MIN.)	STEEL
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	CLOSER REINFORCEMENT	STEEL
7	MORTISE BOX REINFORCEMENT	STEEL
8	#12-24 X 1/2" SELF TAPPER	STEEL
9	TUBE ANCHOR (PF-10)	STEEL
10	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
16	ANSI LATCH STRIKE	STEEL
17	DEADBOLT STRIKE	STEEL
18	ANSI MORTISE STRIKE	STEEL
20	WEATHERSTRIP (PEMKO S-88 OR PS-V)	NEOPRENE
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM HINGE REINF.	STEEL
24	WEATHERSTRIP (THRESHOLD)	NEOPRENE
25	FRAME (2") - 5-3/4" MIN. (0.056" THK) BY MESKER	STEEL
27	LATCH STRIKE REINFORCEMENT	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
30	MASONRY 'TEE' ANCHOR (MESKER PFMT5)	STEEL
31	UNIVERSAL WALL ANCHOR (PS-241)	STEEL
40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINIUM
41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINIUM
45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINIUM
46	#8 X 3/4" PHILIPS HEAD SMS	STEEL
46	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
73	86E MORTISE LOCK- ONITY CT SERIES	STEEL
74	86E MORTISE LOCK- ONITY HT SERIES	STEEL
75	86E MORTISE LOCK- ONITY ADVANCE SERIES	STEEL
76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
78	OUTSWING THRESHOLD BY DLP #QOSH	ALUMINIUM
79	WEATHER STRIP	STEEL



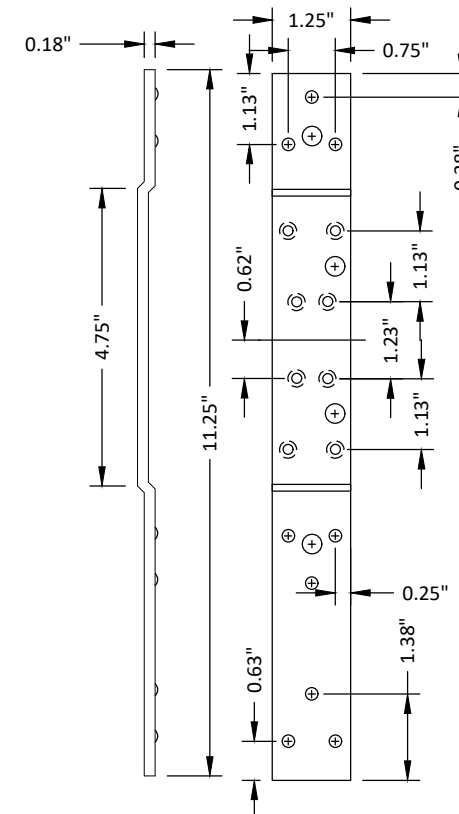
7 MORTISE BOX REINFORCEMENT



5 LOCK BOX REINFORCEMENT



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



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge



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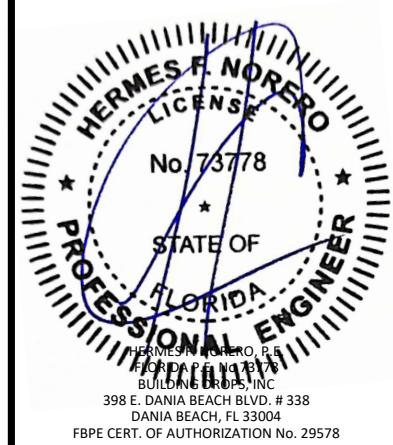
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OF 11	