

JELD-WEN®
FINISHIELD/GLADIATOR STEEL DOOR, WOOD EDGE
3-0x6-8 OPAQUE INSWING/OUTSWING
25 GA. IMPACT DOOR SYSTEM

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT IRC AND FLORIDA BUILDING CODE (FBC) BASED ON THE SIGNED AND SEALED DATE. PRODUCT HAS BEEN TESTED TO ASTM E330-02, E331-00, E283-04, E1886-05, E1996-05b & AAMA 1304-02. WIND ZONE (WD) RATING = 4
2. 2X AND 1X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE I, PAGE 1.
5. SCALE BASED ON 11x17 SHEET SIZE.
6. ALL 1X & 2X TO BE 0.55 SPECIFIC GRAVITY OR GREATER.
7. PRODUCT HAS NOT BEEN RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH/OH HEIGHT IS 1.0.

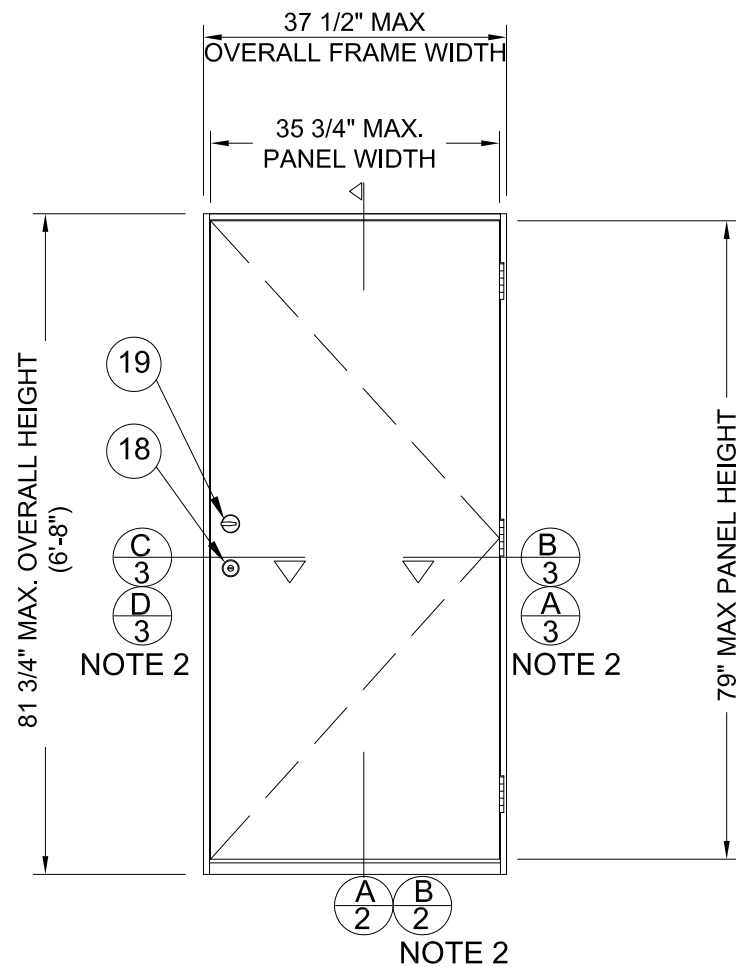
DOOR LEAF CONSTRUCTION:

FACE SHEETS: THE FACE SHEETS ARE GLUED TO THE CORE AND SUBSTRATE WITH LMC ADHESIVE.

CORE DESIGN: DOOR CORE BY JELD-WEN.

PANEL CONSTRUCTION: EACH DOOR PANEL IS CONSTRUCTED FROM TWO SHEETS OF 25-GAUGE (.018" MIN) GALVANIZED STEEL. THE FACE SHEETS ARE BENT 90° OVER THE 1.688" X 1.0" LVL (LAMINATED VENEER LUMBER) STILES AND TOP RAIL. THE AVERAGE MINIMUM YIELD STRENGTH OF 25 GA SHEET METAL SKIN IS 38,400 psi. THE 1.688"X1.203" BOTTOM RAIL CONSISTS OF ROLLED-FORMED GALVANIZED 25-GAUGE (.018" MIN) STEEL. THE WOOD LOCK BLOCK IS 1.688" X 3 1/8" X 12".

FRAME CONSTRUCTION: THE FRAME JAMBS AND HEAD ARE CONSTRUCTED OF FINGER JOINTED PINE. THE INSWING SILL IS COMPRISED OF COMPOSITE MATERIAL WITH ALUMINUM CLADDING AND A PLASTIC ADJUSTABLE HEIGHT THRESHOLD. THE OUTSWING SILL IS COMPRISED OF COMPOSITE MATERIAL WITH ALUMINUM CLADDING. TOP CORNERS ARE COPED, BUTTED, SEALED USING SILICONE AND FASTENED USING FOUR 16 GA. 7/16" X 2" LONG STAPLES PER TOP CORNER. BOTTOM CORNERS ARE COPED, BUTTED, SEALED USING SILICONE AND FASTENED USING THREE 16 GA. 7/16" X 2" LONG STAPLES PER BOTTOM CORNER. ALL FRAME JOINERY ARE SEALED AT THE EXTERIOR USING DOW 1199 SILICONE.



SINGLE UNIT (X)
(INSWING IMPACT)

NOTE:

- 1- ALL VIEWS FROM INTERIOR.
- 2- MASONRY AND CONCRETE CONSTRUCTION.

TABLE 1

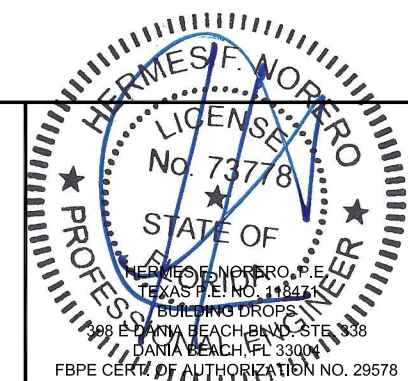
DESIGN PRESSURE RATING		
		DESIGN PRESSURE RATING:
		SINGLE DOOR ONLY
INSWING	POSITIVE	+50
	NEGATIVE	-50
OUTSWING	POSITIVE	+50
	NEGATIVE	-50

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SHT #	DESCRIPTION
1	INSWING ELEVATIONS & GENERAL NOTES
2	INSWING VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	INSWING HORIZONTAL CROSS SECTIONS
4	OUTSWING ELEVATIONS & VERTICAL CROSS SECTIONS
5	OUTSWING HORIZONTAL CROSS SECTIONS
6	ANCHORING LOCATIONS & DETAILS
7	UNIT COMPONENTS

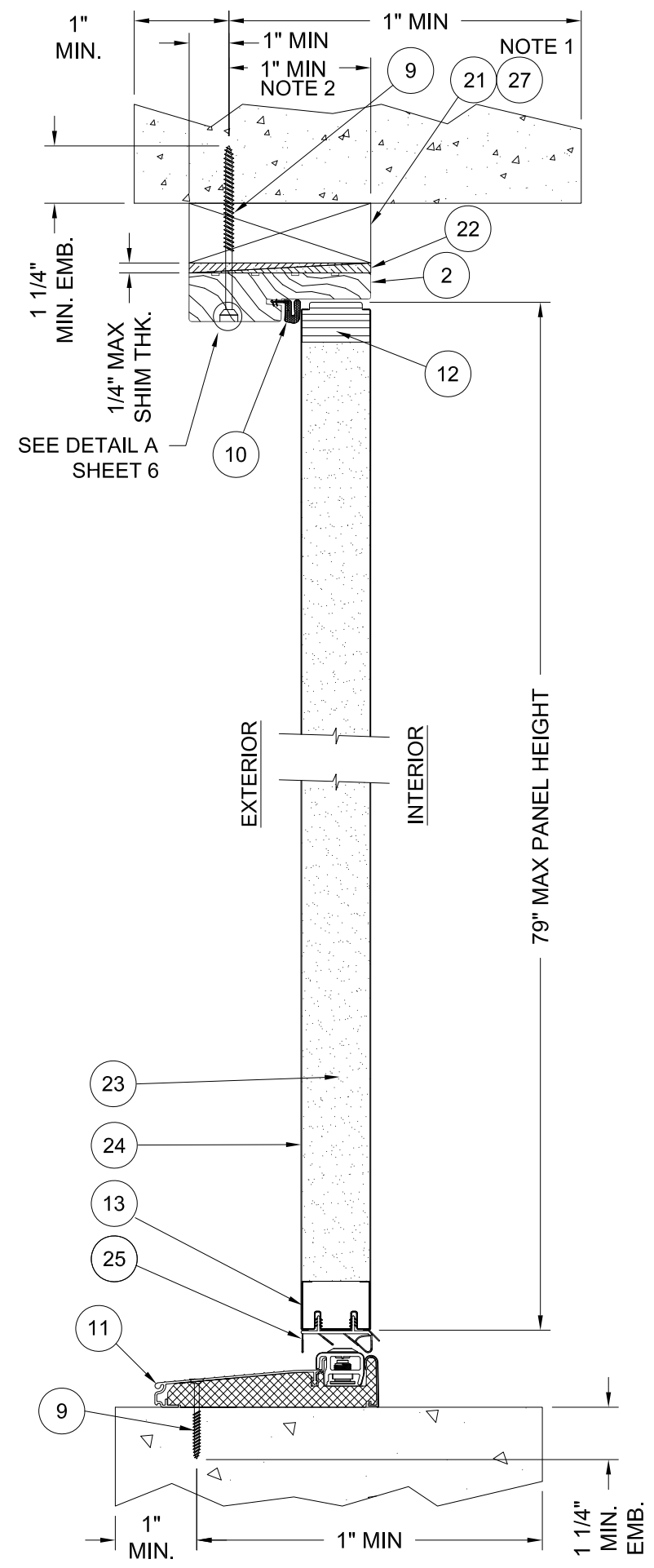
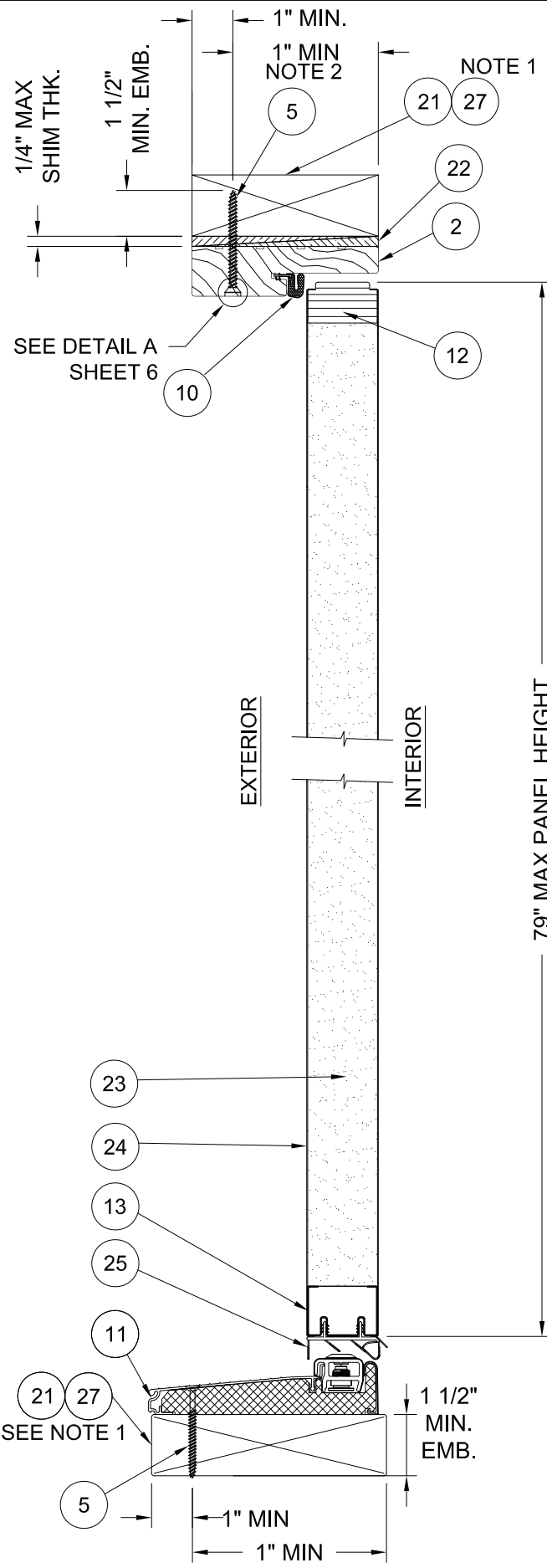
PRODUCT: FINISHIELD/GLADIATOR
 STEEL DOOR, WOOD EDGE
 3-0x6-8 OPAQUE INSWING/OUTSWING
 25GA. IMPACT DOOR SYSTEM
 PART OR ASSEMBLY:
 INSWING ELEVATIONS &
 GENERAL NOTES

NO.	DATE	BY	REVISIONS
D	01.27.20	TB	ADD ADA THRESHLD
C	08.24.17	JH	CHGD CORE DEFIN.
B	11.19.14	SM	PE INFO UPDATED
A	12.01.11	JLA	2010 CODE CHANGE

DATE: 12/18/09
 SCALE: 1/2" = 1'
 DWG. BY: G. LUBBECKE
 CHK. BY: S. FREY
 DRAWING NO.: JW152009
 SHEET 1 OF 7



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 3737 LAKEPORT BLVD.
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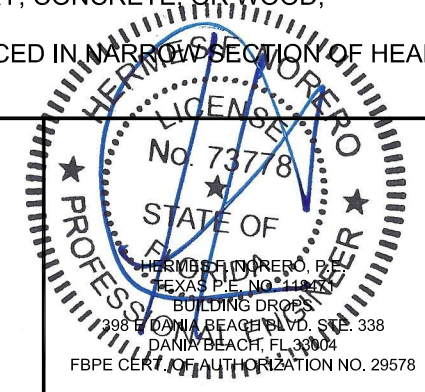


A VERTICAL CROSS SECTION, DOOR TYP.
2 WOOD FRAME INSTALLATION

B VERTICAL CROSS SECTION, DOOR TYP.
2 MASONRY AND CONCRETE INSTALLATION

Item	DESCRIPTION	Material
1	HINGE JAMB (1 1/4"x4-5/8" FINGERJOINTED PINE, TREATED)	PINE
2	HEAD JAMB (1 1/4"x4-5/8" FINGERJOINTED PINE, TREATED)	PINE
3	LATCH JAMB (1-1/4"x4-5/8" FINGERJOINTED PINE, TREATED)	PINE
4	OUTSWING THRESHOLD 6063-T5/COMPOSITE	ALUMINUM
5	#10 PHILLIPS FLATHEAD WOOD SCREW WITH 1 1/2" MIN. EMBEDMENT	STEEL
6	4" x 4" BUTT HINGE 12GA. (.089" MIN)	STEEL
7	#9 x 3/4" PHILLIPS FLATHEAD WOOD SCREW	STEEL
8	#10 x 1 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
9	3/16" ITW BUILDEX TAPCON WITH 1 1/4" MIN. EMBEDMENT	STEEL
10	COMPRESSION WEATHERSTRIP (LoxSeal 9650)	FOAM
11	INSWING THRESHOLD 6063-T5/COMPOSITE	ALUMINUM
12	TOP RAIL (LAMINATED VENEER LUMBER)	LVL
13	BOTTOM RAIL 25GA (0.018") GALVANIZED STEEL	STEEL
14	HINGE SIDE STILE (LAMINATED VENEER LUMBER)	LVL
15	LATCH SIDE STILE (LAMINATED VENEER LUMBER)	LVL
16	LOCK BLOCK x 12" LG PINE, TREATED	PINE
17	16 Ga. 7/16" CROWN x 2" LONG STAPLES	STEEL
18	KWIKSET LOCK SERIES 400	STEEL
19	KWIKSET DEADBOLT SERIES 660	STEEL
20	#8 x 2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
21	2x WOOD BUCK GRADE 2 SOUTHERN YELLOW PINE, TREATED	WOOD
22	NON-COMPRESSION SHIM	WOOD
23	DOOR CORE BY JELD-WEN	FOAM
24	STEEL DOOR PANEL SKIN MATERIAL (25 GA GALVANIZED A-525 COMMERCIAL QUALITY 0.018" MIN. THICK.)	STEEL GALVANIZED
25	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
26	CORNER PADS 2", LOCATED AT THE BOTTOM OF EACH JAMB LEG SETTING ON TOP OF THE SILL, BEHIND THE WEATHERSTRIP	FOAM
27	OPTIONAL 1X WOOD BUCK GRADE 2 SOUTHERN YELLOW PINE, TREATED	WOOD
28	DEAD BOLT BACK PLATE	STEEL
29	ADA THRESHOLD	ALUMINUM

NOTE 1: 1X MAY BE UTILIZED AS AN OPTION AS LONG AS MINIMUM ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
 NOTE 2: OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB



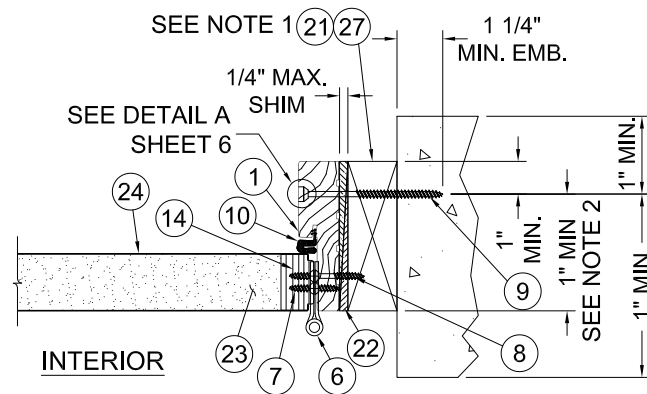
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 25GA. IMPACT DOOR SYSTEM
 PART OR ASSEMBLY:
 INSWING VERTICAL CROSS SECTIONS &
 BILL OF MATERIALS

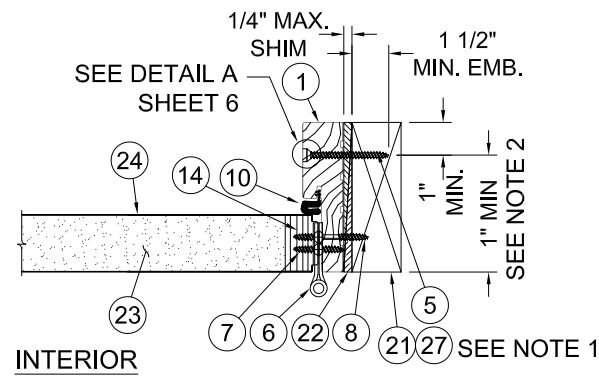
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01.27.20	ADD ADA THRSHLD	TB
08.24.17	CHG'D CORE DEFIN.	JH
11.19.14	PE INFO UPDATED	SM
12.01.11	2010 CODE CHANGE	JLA
		BY

REVISIONS

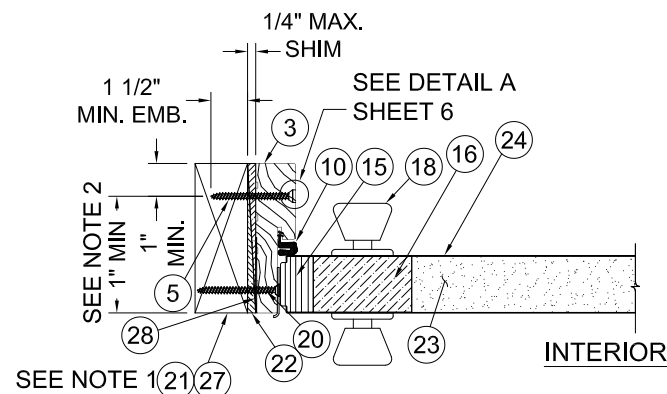
DATE: 12/18/09
 SCALE: 3"=1'
 DWG. BY: G. LUBBECKE
 CHK. BY: S. FREY
 DRAWING NO.: JW152009
 SHEET 2 OF 7



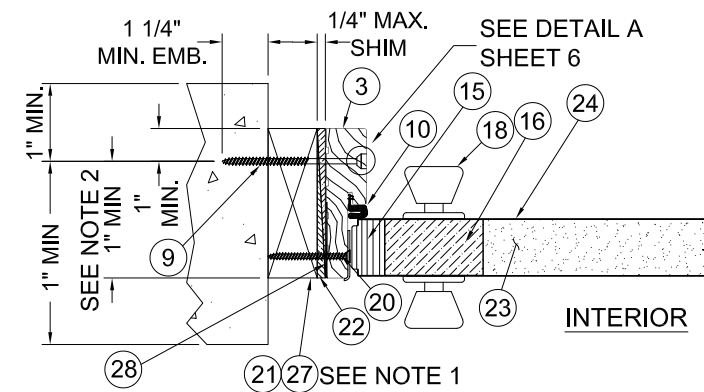
A HORIZONTAL CROSS SECTION
3 VIEW AT DOOR HINGE/SIDE JAMB
 (MASONRY AND CONCRETE INSTALL)



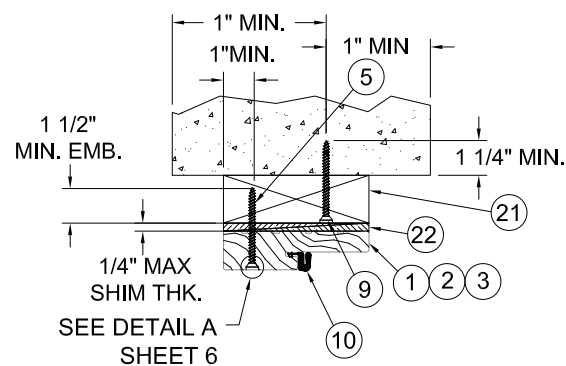
B HORIZONTAL CROSS SECTION
3 VIEW AT DOOR HINGE/SIDE JAMB
 (WOOD INSTALL)



C HORIZONTAL CROSS SECTION
3 VIEW AT DOOR LATCH/SIDE JAMB
 (WOOD INSTALL)



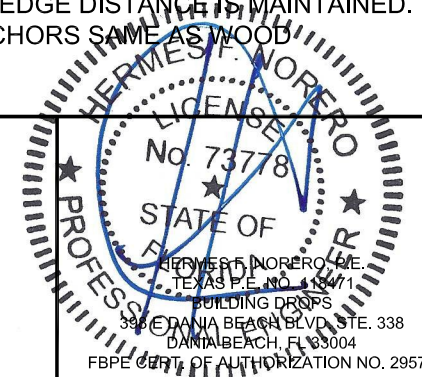
D HORIZONTAL CROSS SECTION
3 VIEW AT DOOR LATCH/SIDE JAMB
 (MASONRY AND CONCRETE INSTALL)



OPTIONAL MASONRY AND CONCRETE INSTALLATION
 FOR HEADERS AND JAMBS
 SEE NOTE 2 & 3, THIS PAGE

NOTES:

- 1X MAY BE UTILIZED AS AN OPTION AS LONG AS MINIMUM ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
2. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MIN. EDGE DISTANCE IS MAINTAINED.
3. TAPCON SPACING BETWEEN ANCHORS SAME AS WOOD SCREW CONFIGURATION.

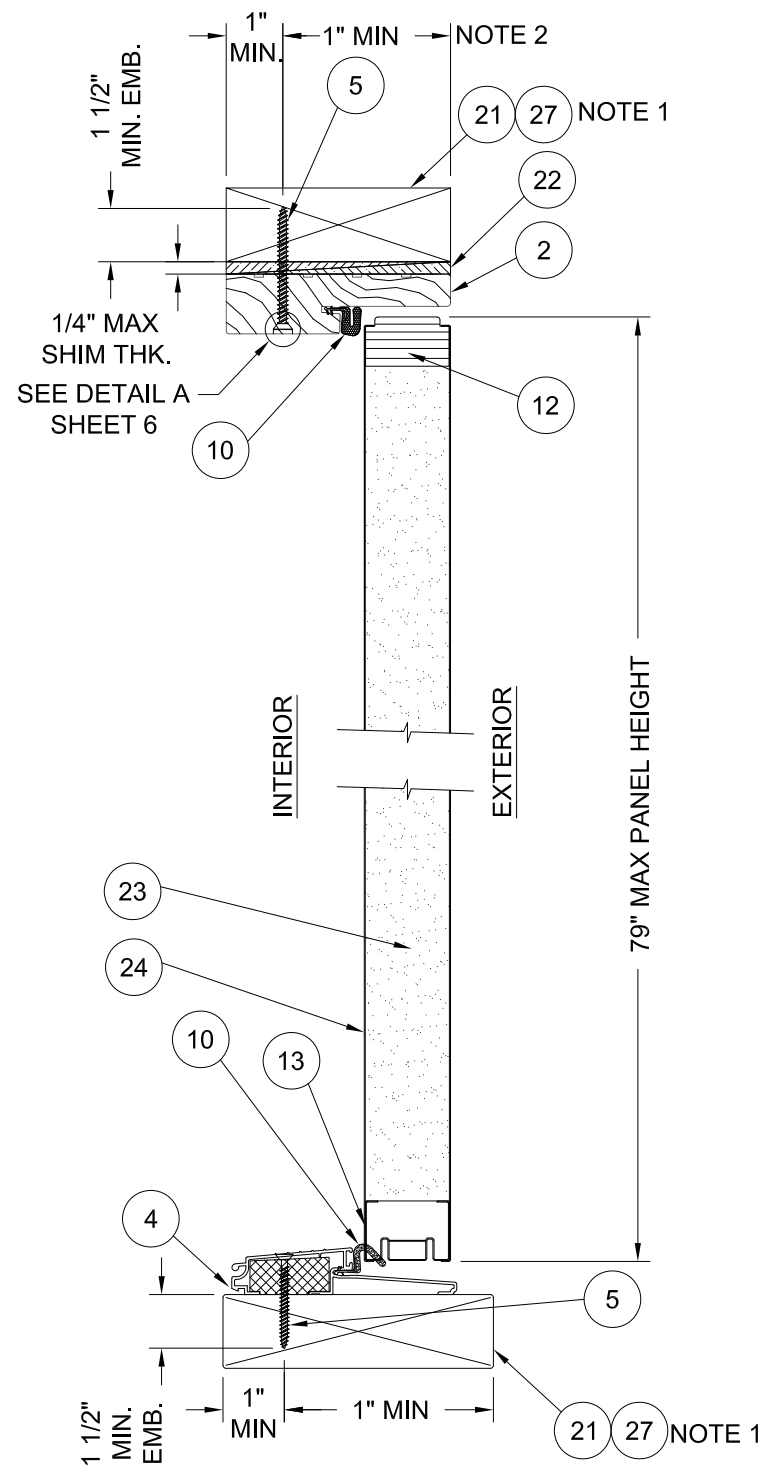


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 3-0x6-8 OPAQUE INSURING/OUTSWING
 25GA. IMPACT DOOR SYSTEM
 PART OR ASSEMBLY:
 INSURING HORIZONTAL
 CROSS SECTIONS

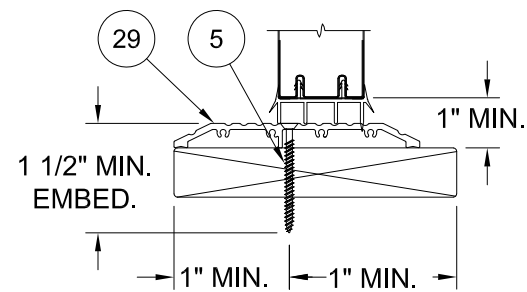
NO.	DATE	REVISIONS
D	01.27.20	ADD ADA THRESHLD
C	08.24.17	CHG'D CORE DEFIN.
B	11.19.14	PE INFO UPDATED
A	12.01.11	2010 CODE CHANGE
		BY

DATE: 12/18/09
 SCALE: NONE
 DWG. BY: G. LUBBECKE
 CHK. BY: S. FREY
 DRAWING NO.: JW152009
 SHEET 3 OF 7

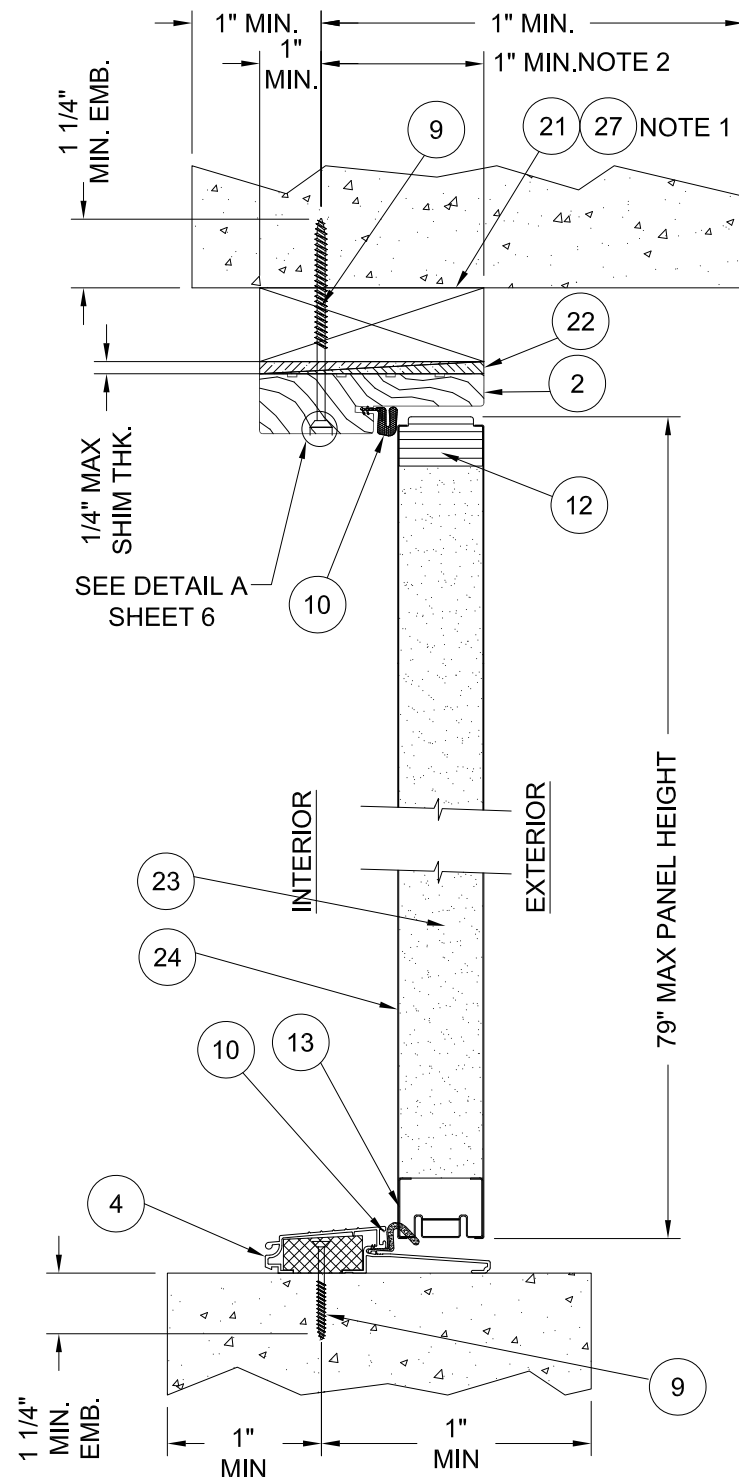
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 KLAMATH FALLS, OR, 97601
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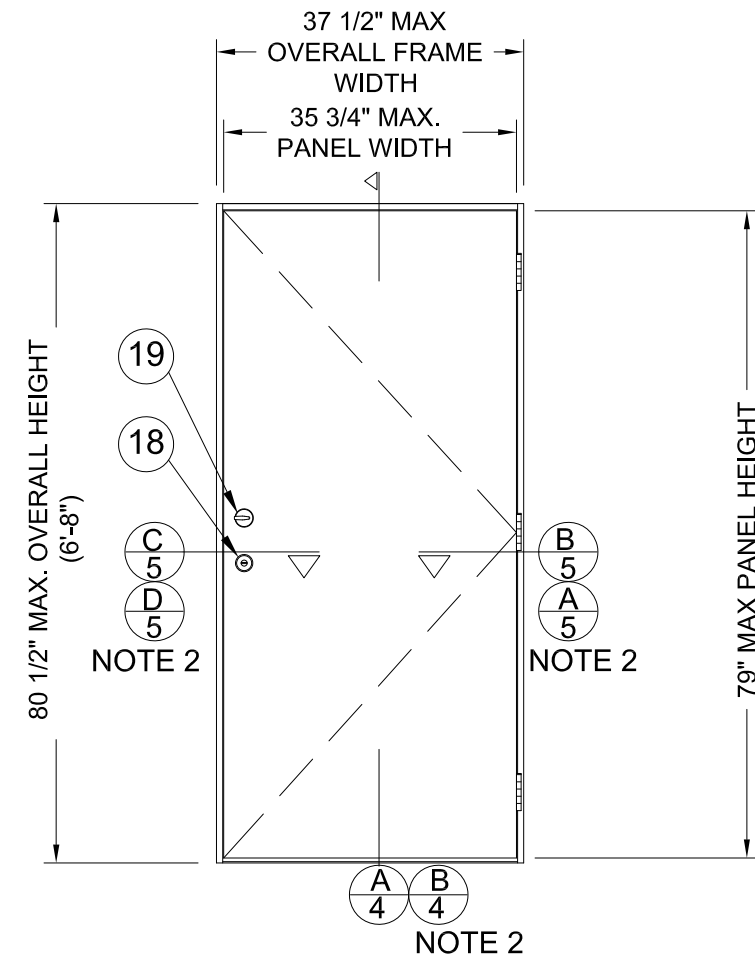
A
4 VERTICAL CROSS SECTION, DOOR TYP.
WOOD FRAME INSTALLATION
(SCALE: 3"=1'-0")



A
4 VERTICAL CROSS SECTION - ADA SILL
WOOD FRAME INSTALLATION
(SCALE: 3"=1'-0")

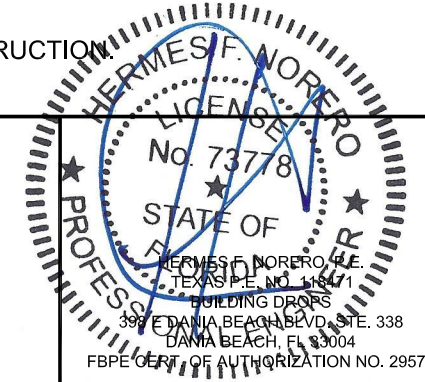


B
4 VERTICAL CROSS SECTION, DOOR TYP.
MASONRY AND CONCRETE INSTALLATION
(SCALE: 3"=1'-0")



(EXTERIOR VIEW)
SINGLE UNIT (X)
OUTSWING IMPACT
(SCALE: 1/2"=1'-0")

- NOTE 1: 1X MAY BE UTILIZED AS AN OPTION AS LONG AS MINIMUM ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
NOTE 2: OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB
NOTE 3: MASONRY AND CONCRETE CONSTRUCTION

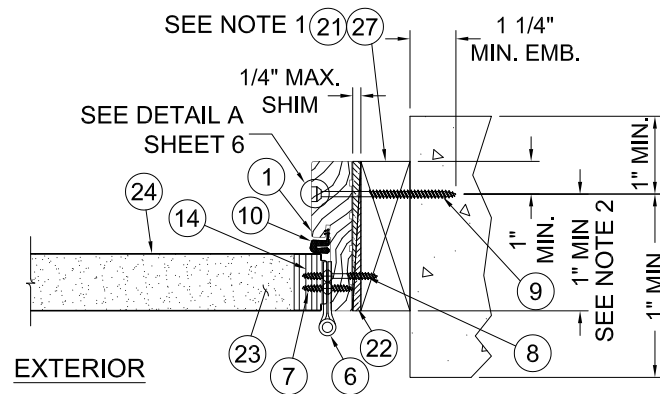


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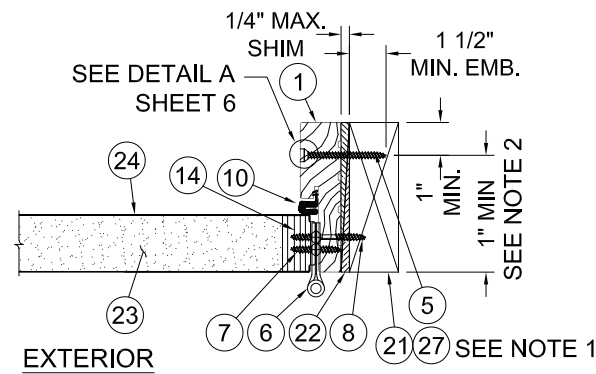
PRODUCT: FINISHIELD/GLADIATOR
STEEL DOOR, WOOD EDGE
3-0x6-8 OPAQUE INSWING/OUTSWING
25GA. IMPACT DOOR SYSTEM
PART OR ASSEMBLY:
OUTSWING ELEVATIONS &
VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
D	01.27.20	TB	ADD ADA THRSOLD
C	08.24.17	JH	CHG'D CORE DEFIN.
B	11.19.14	SM	PE INFO UPDATED
A	12.01.11	JLA	2010 CODE CHANGE

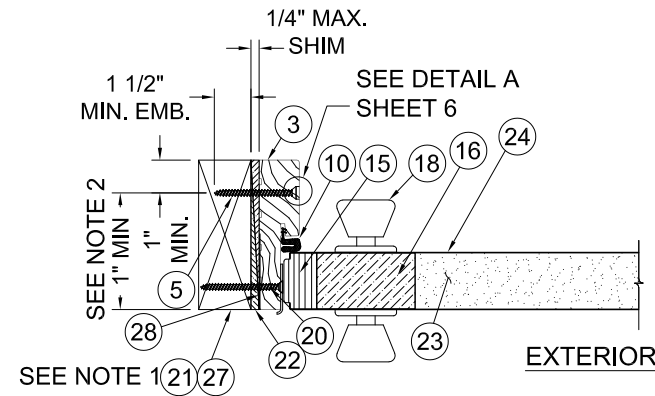
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SCALE: AS SHOWN
DWG. BY: G. LUBBECKE
CHK. BY: S. FREY
DRAWING NO.: JW152009
SHEET 4 OF 7



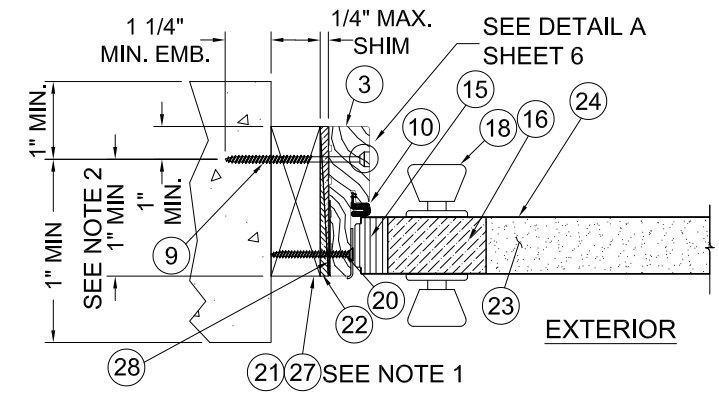
A HORIZONTAL CROSS SECTION
5 VIEW AT DOOR HINGE/SIDE JAMB
 (MASONRY AND CONCRETE INSTALL)



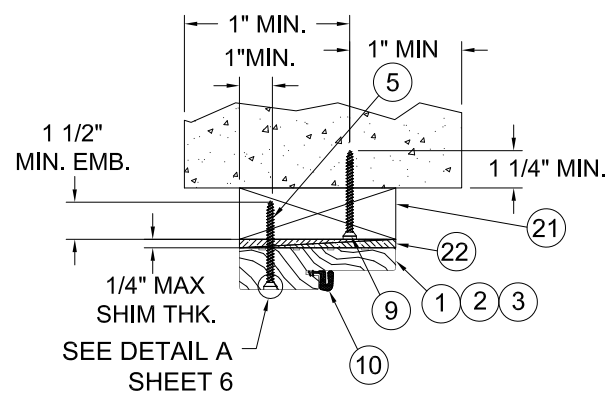
B HORIZONTAL CROSS SECTION
5 VIEW AT DOOR HINGE/SIDE JAMB
 (WOOD INSTALL)



C HORIZONTAL CROSS SECTION
5 VIEW AT DOOR LATCH/SIDE JAMB
 (WOOD INSTALL)



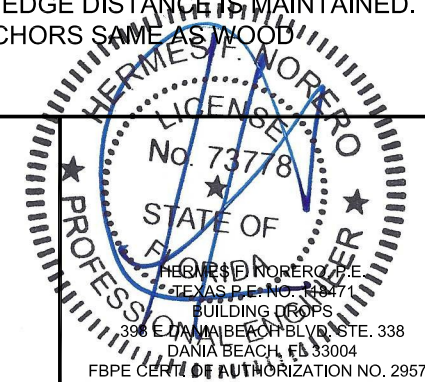
D HORIZONTAL CROSS SECTION
5 VIEW AT DOOR LATCH/SIDE JAMB
 (MASONRY AND CONCRETE INSTALL)



OPTIONAL MASONRY AND CONCRETE INSTALLATION
 FOR HEADERS AND JAMBS
 SEE NOTE 2 & 3, THIS PAGE

NOTES:

- 1X MAY BE UTILIZED AS AN OPTION AS LONG AS MINIMUM ANCHOR EMBEDMENT DEPTH, INTO MASONRY, CONCRETE, OR WOOD, IS MAINTAINED.
2. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MIN. EDGE DISTANCE IS MAINTAINED.
3. TAPCON SPACING BETWEEN ANCHORS SAME AS WOOD SCREW CONFIGURATION.

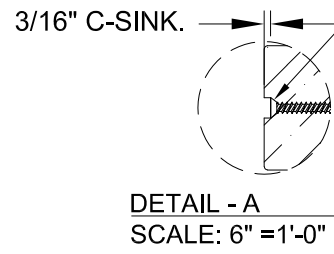


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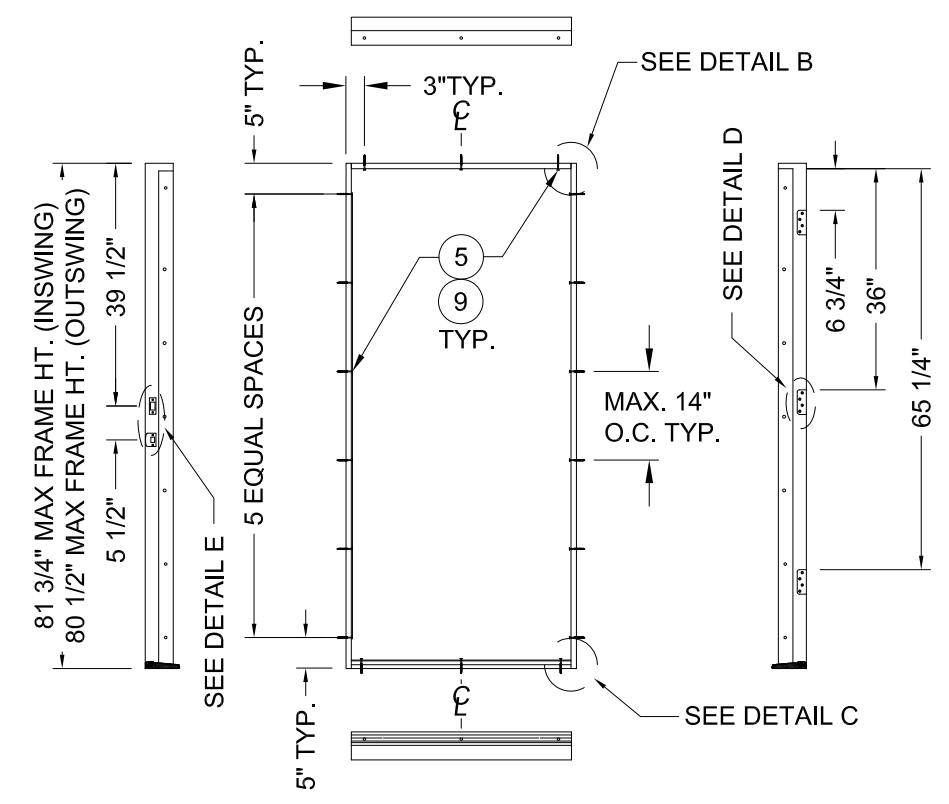
PRODUCT: FINISHIELD/GLADIATOR
 STEEL DOOR, WOOD EDGE
 3-0x6-8 OPAQUE INSWING/OUTSWING
 25GA. IMPACT DOOR SYSTEM
 PART OR ASSEMBLY:
 OUTSWING HORIZONTAL CROSS
 SECTIONS

NO.	DATE	REVISIONS
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		BY

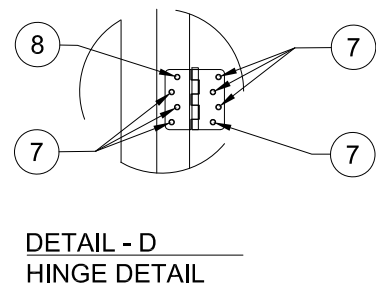
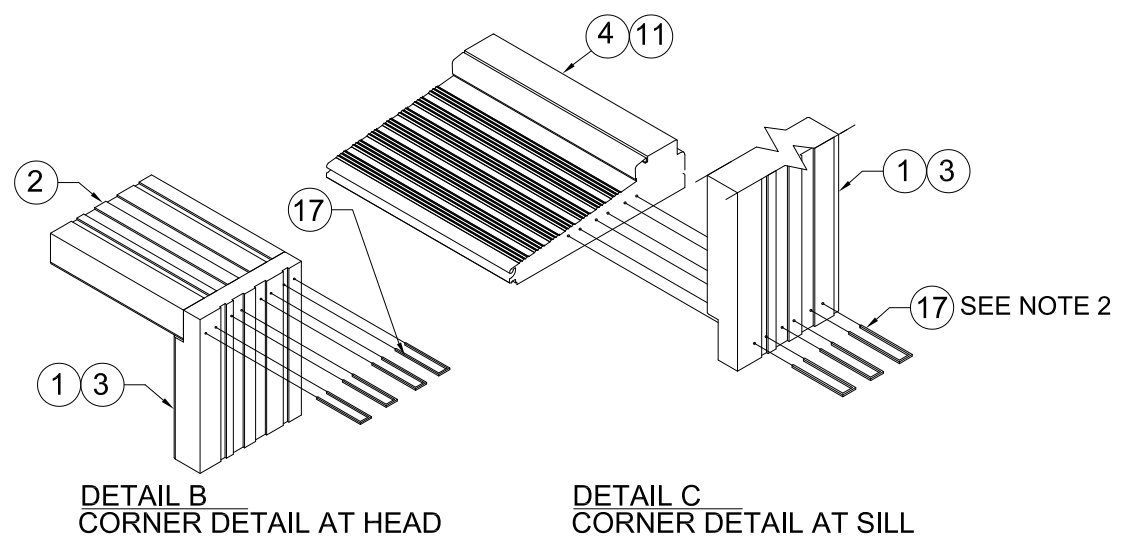
DATE: 12/18/09
 SCALE: NONE
 DWG. BY: G. LUBBECKE
 CHK. BY: S. FREY
 DRAWING NO.: JW152009
 SHEET 5 OF 7



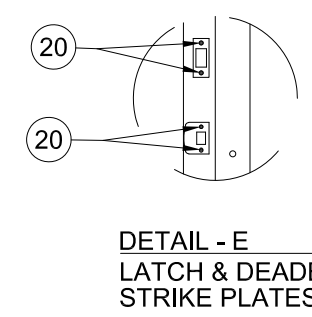
- NOTE**
- 1 - USE #10 WOOD INSTALLATION SCREW W/ 1.50" MIN. EMBEDMENT WHEN INSTALLING INTO WOOD SUBSTRATE AT HEAD & JAMBS.
 - 2 - USE 3/16" ITW TAPCON ANCHOR W/ 1 1/4" MIN. EMBED. WHEN INSTALLING INTO CONCRETE/MASONRY SUBSTRATE AT SIDELITE SILLS.
 - 3 - SCREW AND TAPCON ANCHORS CAN BE EMBEDDED IN EITHER THE 1 1/4" OR 3/4" THICK PORTION OF THE JAMB AS LONG AS THE SUBSTRATE EMBEDMENT IS MAINTAINED.



ANCHORING LOCATIONS SINGLE INSWING/OUTSWING UNIT (X)
SCALE: 3/8" = 1'-0"



DETAIL - D
HINGE DETAIL



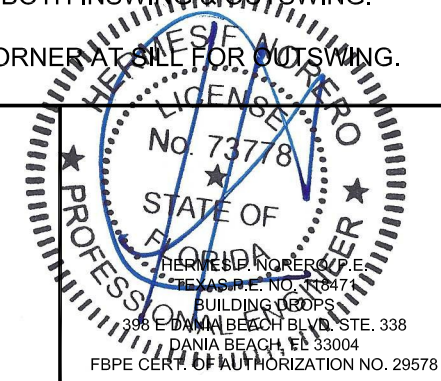
DETAIL - E
LATCH & DEADBOLT STRIKE PLATES

- NOTES:**
- 1 - ANCHOR SPACING FOR BOTH INSWING & OUTSWING.
 - 2- ONLY 2 STAPLES PER CORNER AT SILL FOR OUTSWING.

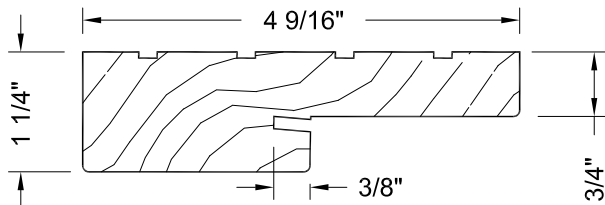
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ANCHORING LOCATIONS & DETAILS

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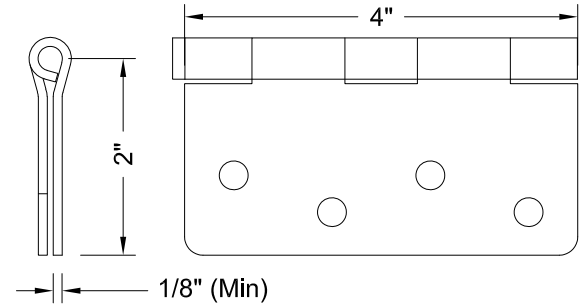


DATE: 12/18/09
SCALE: AS SHOWN
DWG. BY: G. LUBBECKE
CHK. BY: S. FREY
DRAWING NO.: JW152009
SHEET 6 OF 7

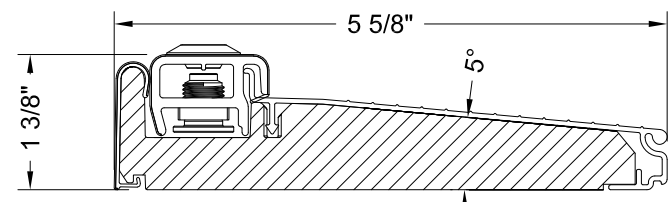


1 WOOD JAMB FINGERJOINTED PINE
SCALE: 6" = 1'-0"

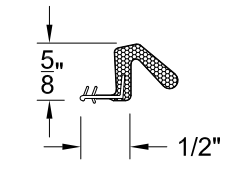
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- 3



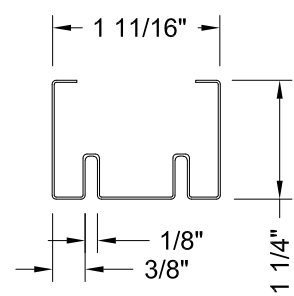
6 BUTT HINGE 4x4x12 GA. STEEL
SCALE: 6" = 1'-0"



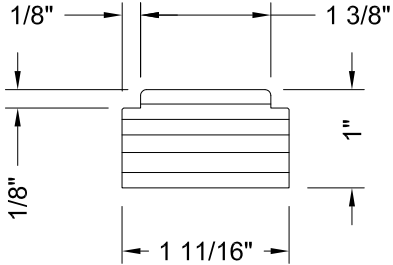
11 INSWING THRESHOLD
6063 T5 AL AND COMPOSITE
SCALE: 6" = 1'-0"



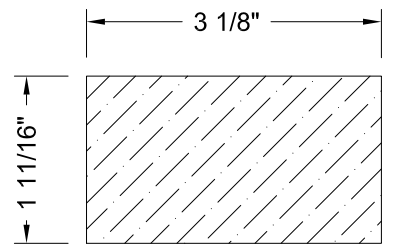
10 COMPRESSION WEATHERSTRIP
FOAM
SCALE: 6" = 1'-0"



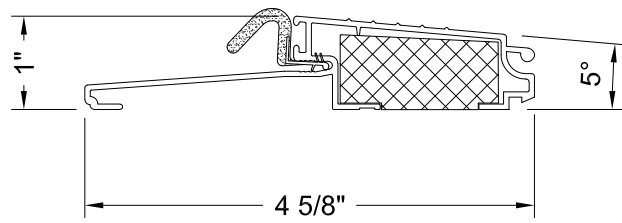
13 BOTTOM RAIL
25 GA. STEEL
SCALE: 6" = 1'-0"



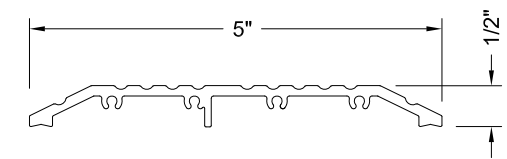
12 LATCH STILE
TOP RAIL
HINGE STILE
LAMINATED VENEER LUMBER (LVL)
SCALE: 6" = 1'-0"



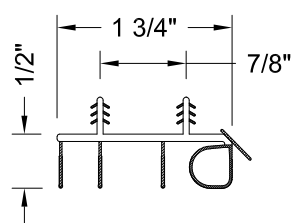
16 LOCK BLOCK
FINGERJOINTED PINE
SCALE: 6" = 1'-0"



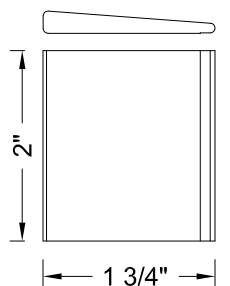
4 OUTSWING THRESHOLD
6063 T5 AL AND COMPOSITE
SCALE: 6" = 1'-0"



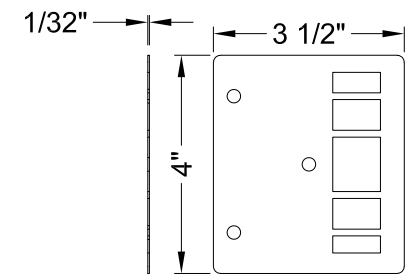
29 OPERATIONAL ADA SILL
ALUMINUM



25 DOOR BOTTOM SWEEP
VINYL
SCALE: 6" = 1'-0"



26 CORNER PADS
PLASTIC
SCALE: 6" = 1'-0"



28 LATCH PLATE
STEEL
SCALE: 6" = 1'-0"

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR, 97601
PH. 541-882-3451

PRODUCT: FINISHIELD/GLADIATOR
STEEL DOOR, WOOD EDGE
3-0x6-8 OPAQUE INSWING/OUTSWING
25GA. IMPACT DOOR SYSTEM
PART OR ASSEMBLY:

UNIT COMPONENTS

NO.	DATE	BY	REVISIONS
D	01.27.20	TB	ADD ADA THRSOLD
C	08.24.17	JH	CHG'D CORE DEFIN.
B	11.19.14	SM	PE INFO UPDATED
A	12.01.11	JLA	2010 CODE CHANGE

DATE: 12/18/09
SCALE: AS NOTED
DWG. BY: G.LUBBECKE
CHK. BY: S. FREY
DRAWING NO.: JW152009
SHEET 7 OF 7

