

JELD-WEN®

IWP AURORA EXTERIOR FOLDING DOOR SYSTEM
CUSTOM FIBERGLASS 8-0 GLAZED DOOR

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT IBC AND FLORIDA BUILDING CODE (FBC) BASED ON THE SIGNED AND SEALED DATE: EXCLUDING HVHZ.
2. 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 EMBEDDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE I, PAGE 1.
5. FLORIDA APPROVED IMPACT RESISTANCE SHUTTERS ARE NOT REQUIRED FOR DOORS.
6. IMPACT RATED, ZONE 3.
7. SYSTEMS GROUPS TESTED PER THE FOLLOWING STANDARDS:
ASTM E; 1886-05, 1996-05, 330-02, 547-00, 283-04
AAMA 1304-02, ASTM F 842-04 AND ASTM E 331-00.

AURORA FIBERGLASS DOOR (Common to all frame conditions)

Face sheets: Fiberglass avg. min. yield strength

Fy(min.)=6,000 psi

Skin - 0.094" minimum thickness.

Core design: Solid LVL

Panel construction: Wood edgebanded LVL, is utilized for the stiles and rails, and is bonded to the fiberglass skins with plexus adhesive. The core is replaced by 3/4 dual clear tempered/laminated glass on full lite doors. Fractionally glazed doors will utilize 13#/CF Polyurethane core.

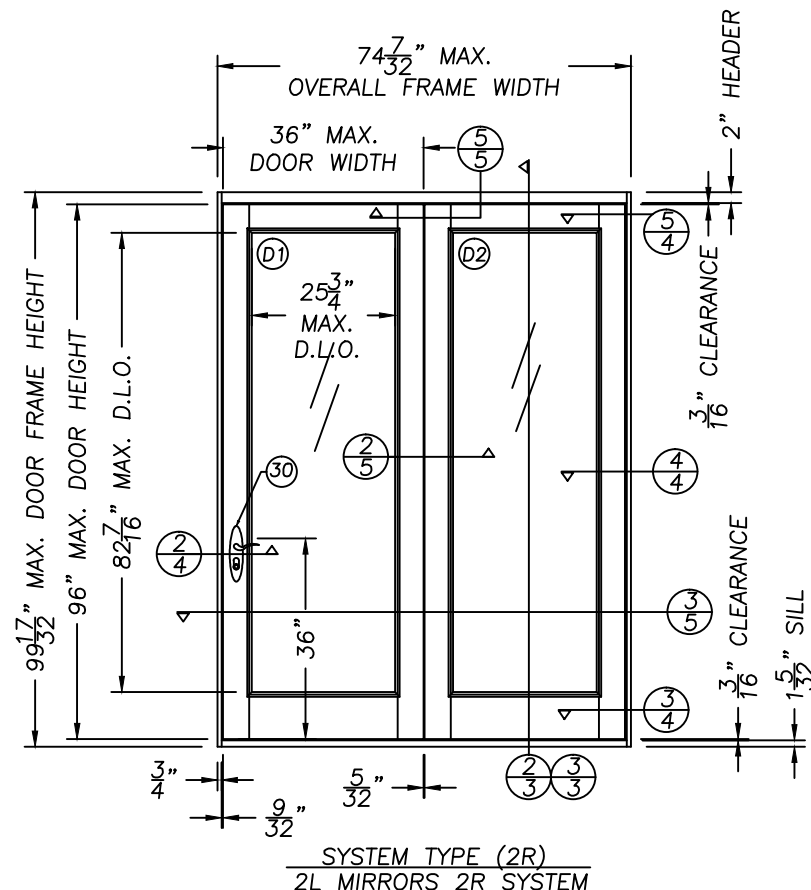
Frame Construction: The frames are constructed of wood 6 9/16" x 3/4". The head jambs are mortised and butt joined to the side jambs, and attached with five (5) #10, 2" wood screws on each side. The threshold is attached to the side jambs with four (4) #10, 2" wood screws on each side.

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SHEET NUMBER	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	TYPICAL ELEVATIONS & DOOR CROSS SECTIONS
3	VERTICAL CROSS SECTIONS & OPENING ATTACHMENT
4,5&6	HORIZONTAL CROSS SECTIONS
7	ASSEMBLY DETAILS & ANCHORING LOCATIONS
8	HARDWARE DETAILS
9	BILL OF MATERIALS & FRAME COMPONENTS

TABLE I

MULTI-FOLDING DOOR	
TESTED FOR AIR & WATER INFILTRATION	
TESTED FOR IMPACT	
TESTED FOR FORCED ENTRY RATING	
DESIGN PRESSURE RATING	
POSITIVE	+45 *
NEGATIVE	-45



*NOTE: 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.

IWP EXTERIOR OUTSWING FOLDING UNIT

ALL DOOR MODELS ARE VIEWED
FROM THE EXTERIOR SIDE

Digitally signed by Hermes F Norero, P.E.

Reason: I am approving this document

Date: 2014.08.02 11:24:26 -04'00'

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
TYPICAL ELEVATIONS
GENERAL NOTES

4	7/14/14	REFORMAT			GL
3	12/14/11	2010 CODE CHANGE			JLA
2	5/12/08	CHG NOTE 1			EAG
1	09/14/07	REV GEN NOTES & TABLE 1			IWP
NO.	DATE				BY
		REVISIONS			

DATE: 07/12/07

SCALE: N/A

PROJECT: AURORA

NO. 73778

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO

FLORIDA P.E. NO. 9778

3301 E. PANAMA BLVD., STE. 338

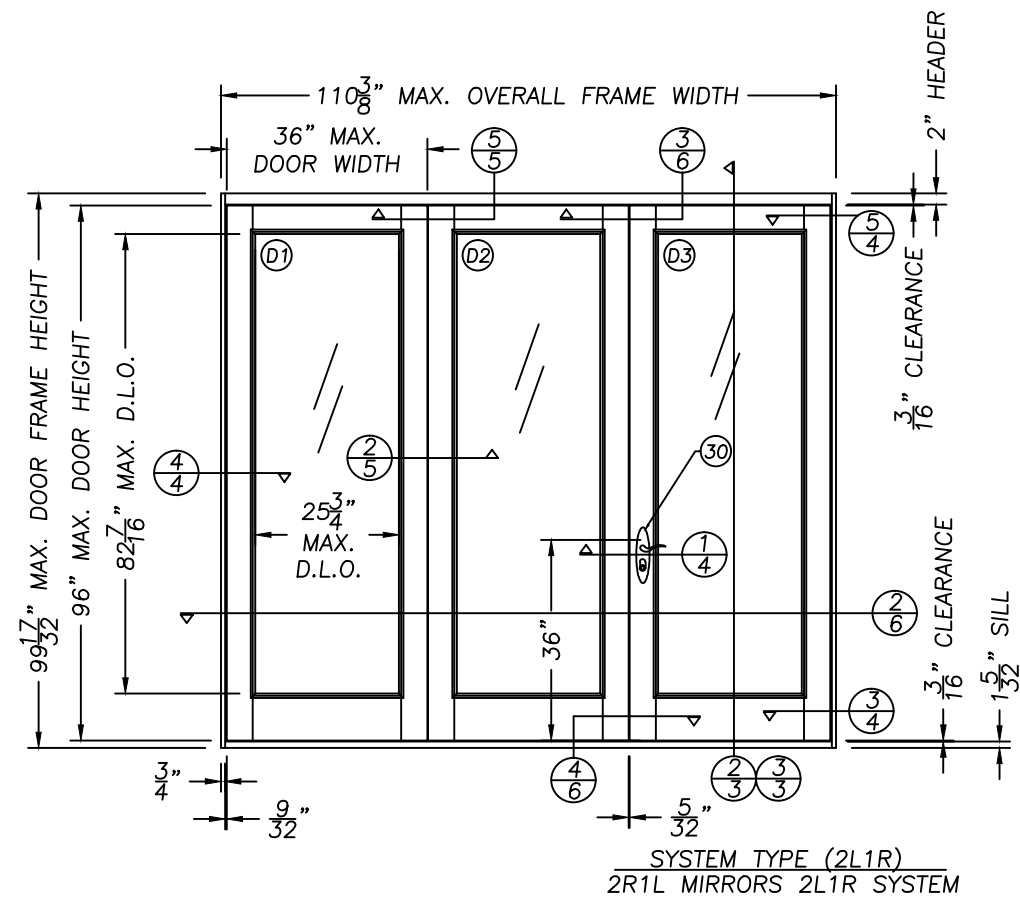
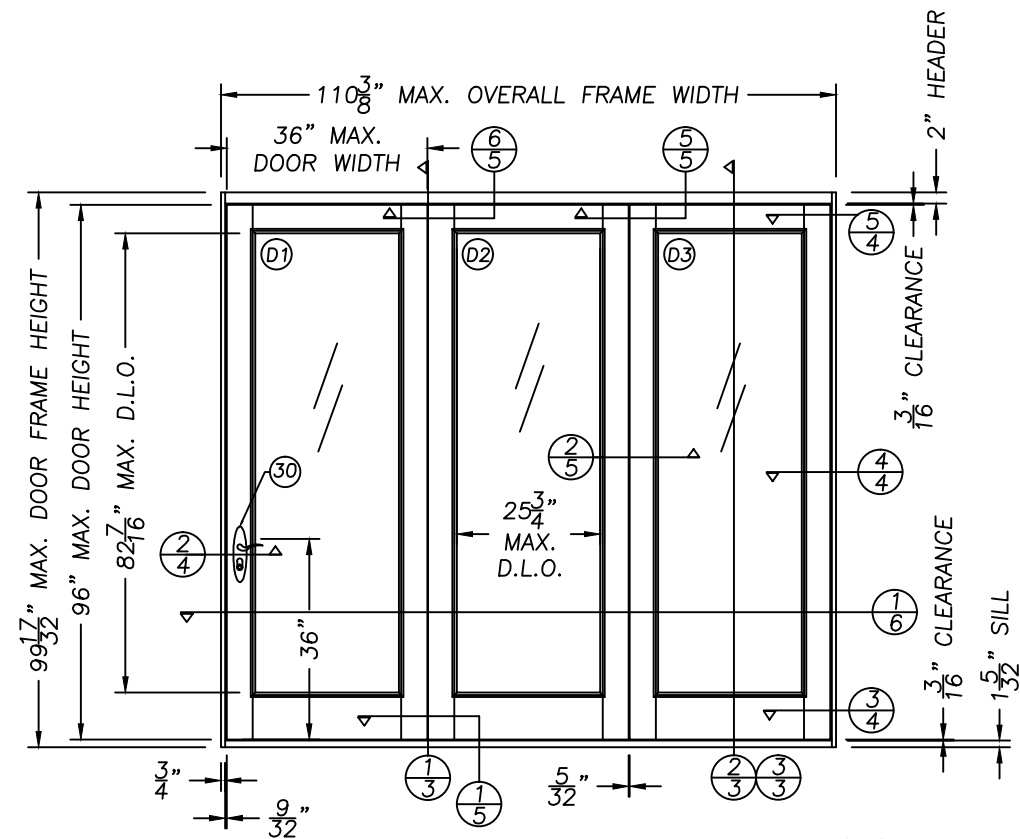
ORLANDO, FL 32804

FLORIDA AUTHORIZATION NO. 29578

DRAWING NO.:

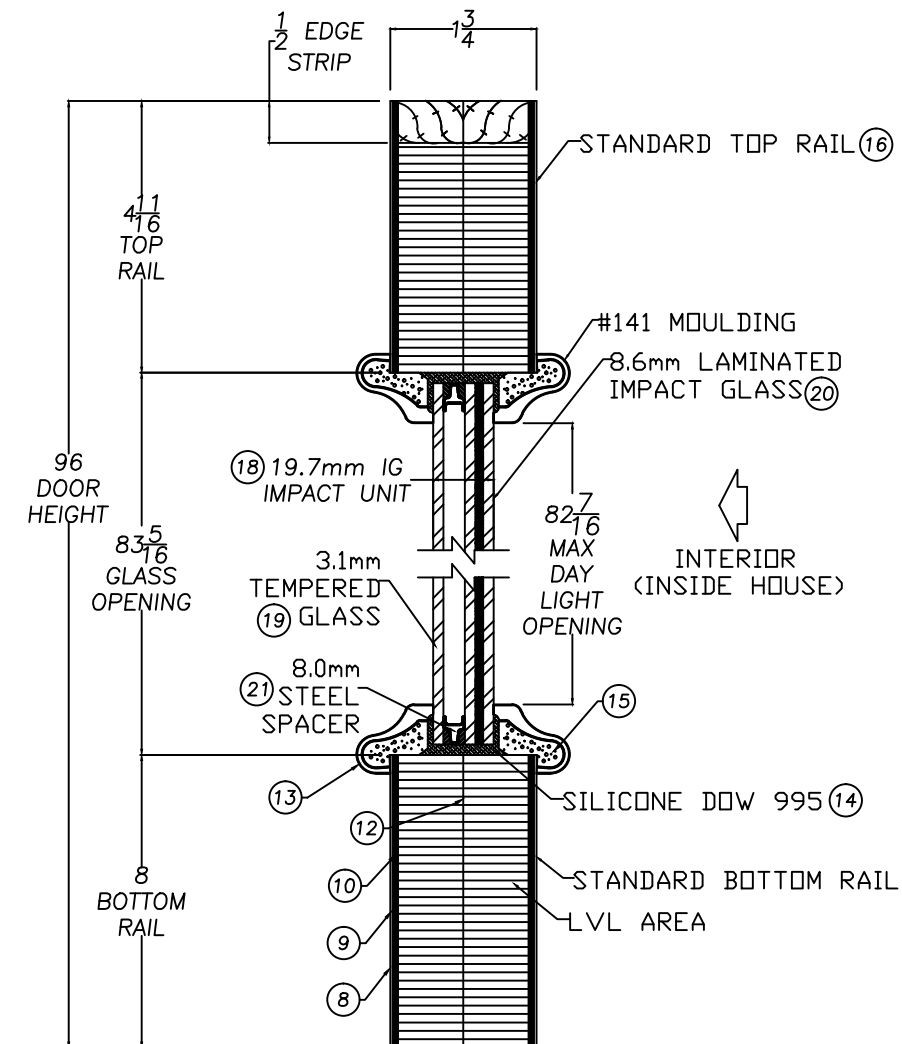
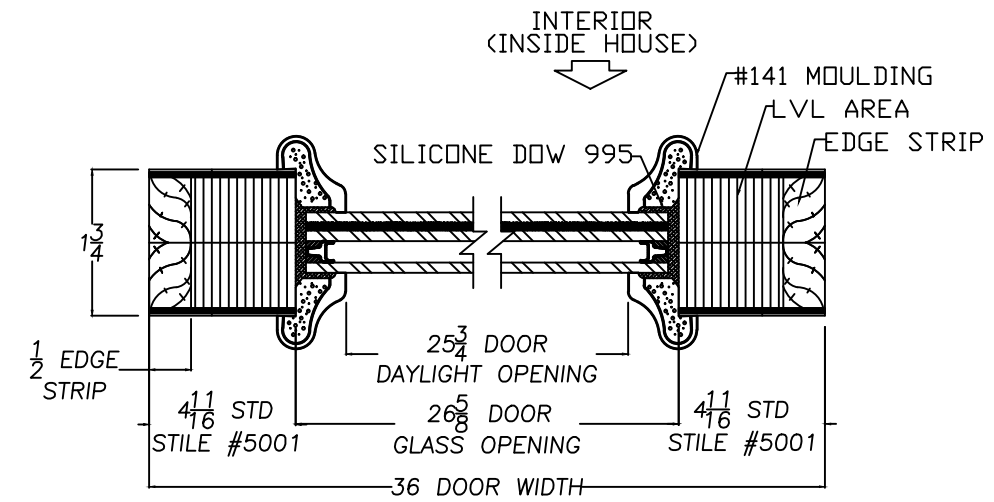
A011511

SHEET 1 OF 9



IWP EXTERIOR OUTSWING FOLDING UNIT

ALL DOOR MODELS ARE VIEWED
FROM THE EXTERIOR SIDE



JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT: IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
TYPICAL ELEVATIONS
DOOR CROSS SECTIONS

[illegible]

DATE: 07/11/2007

SECRET

DATE: 11/11/2011

DMG-ENV-SACHGRA

No. 73778 :

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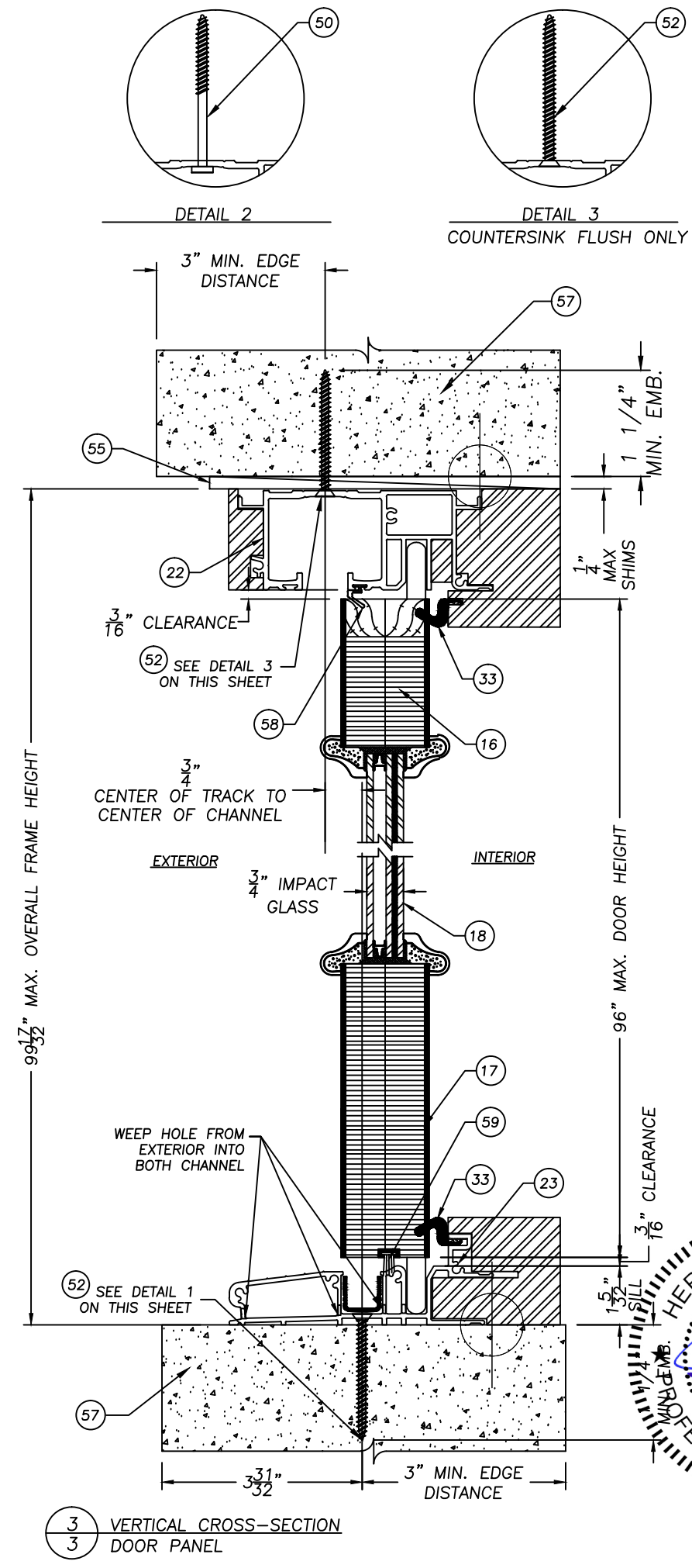
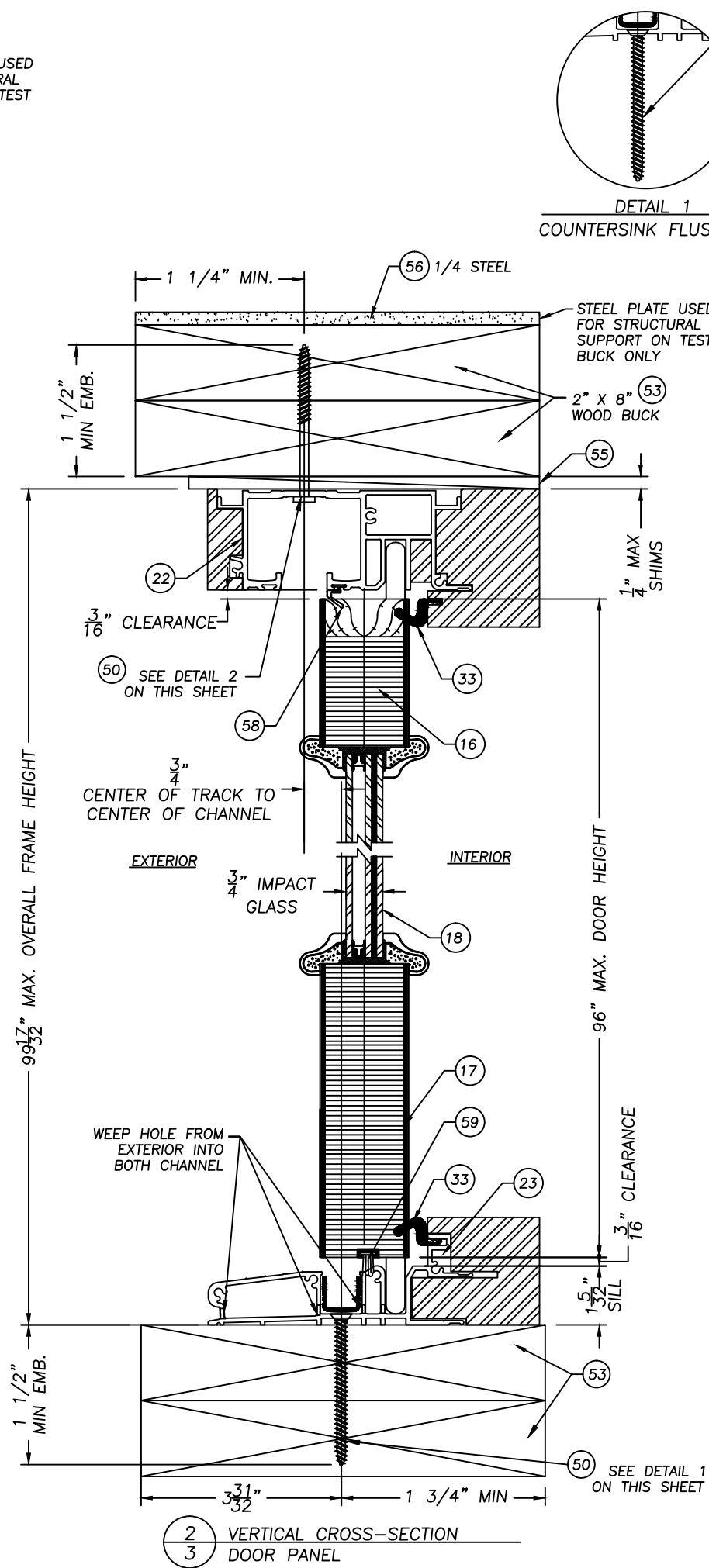
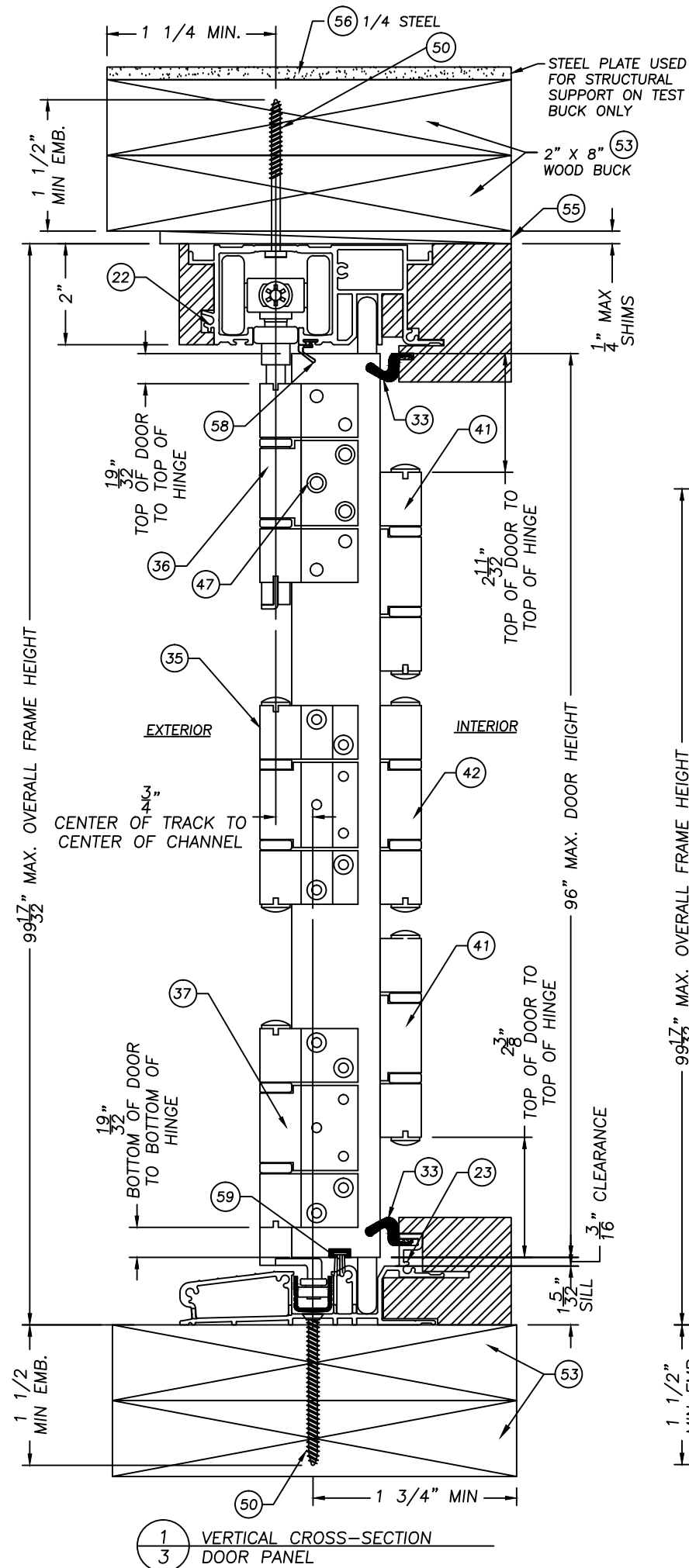
HERMES F. NORERO
FLORIDA P.E. NO. 73778

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

DRAWING NO.:

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JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

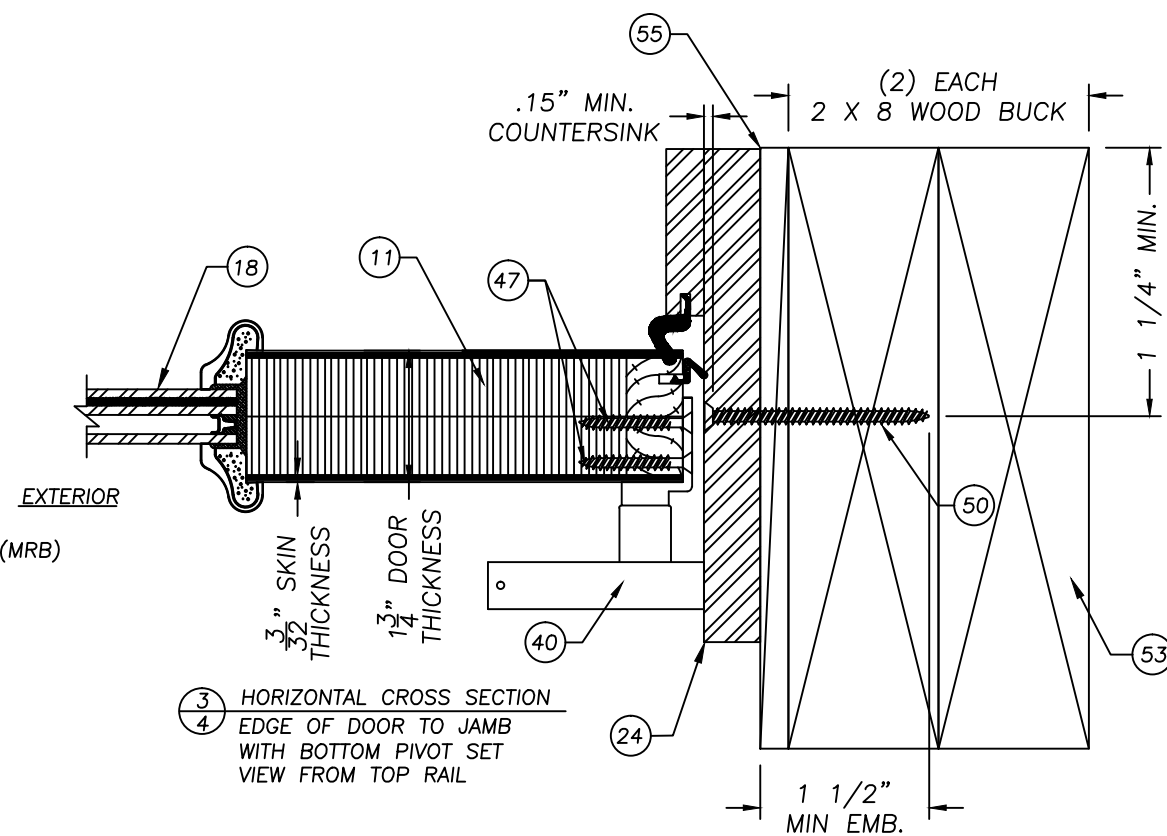
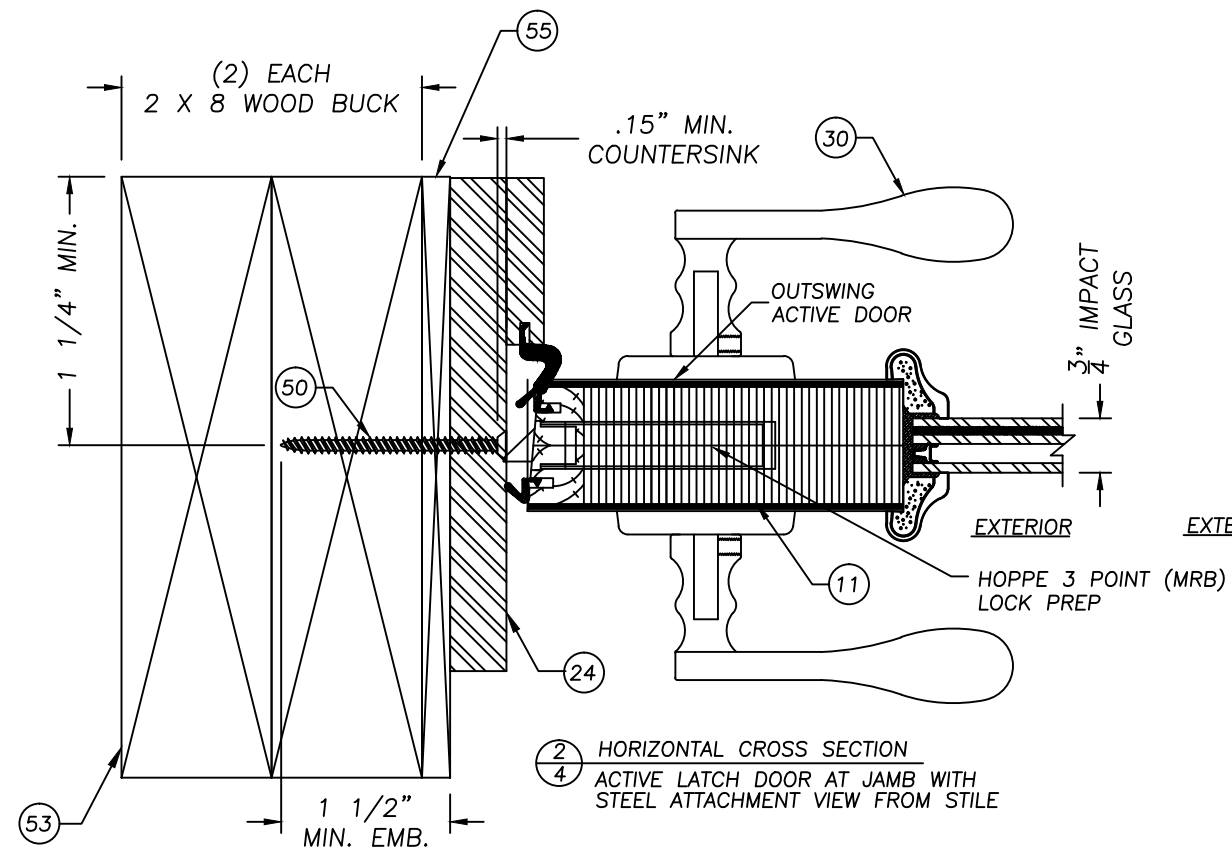
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

RT OR ASSEMBLY:
VERTICAL CROSS SECTIONS
OPENING ATTACHMENT

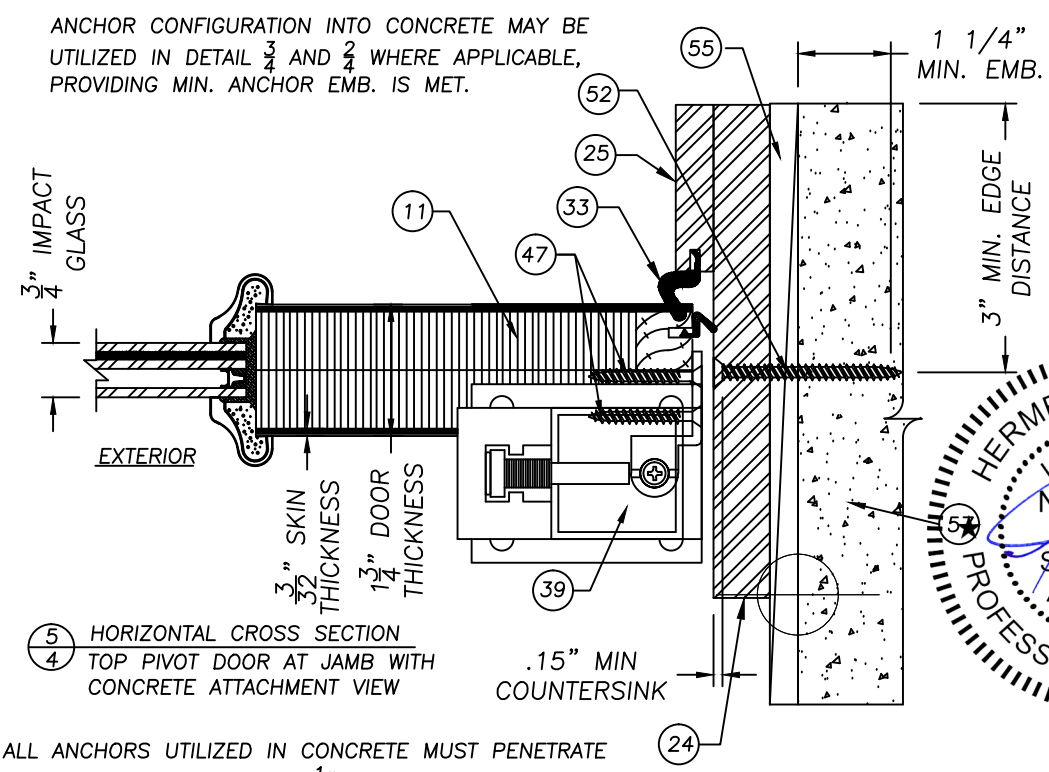
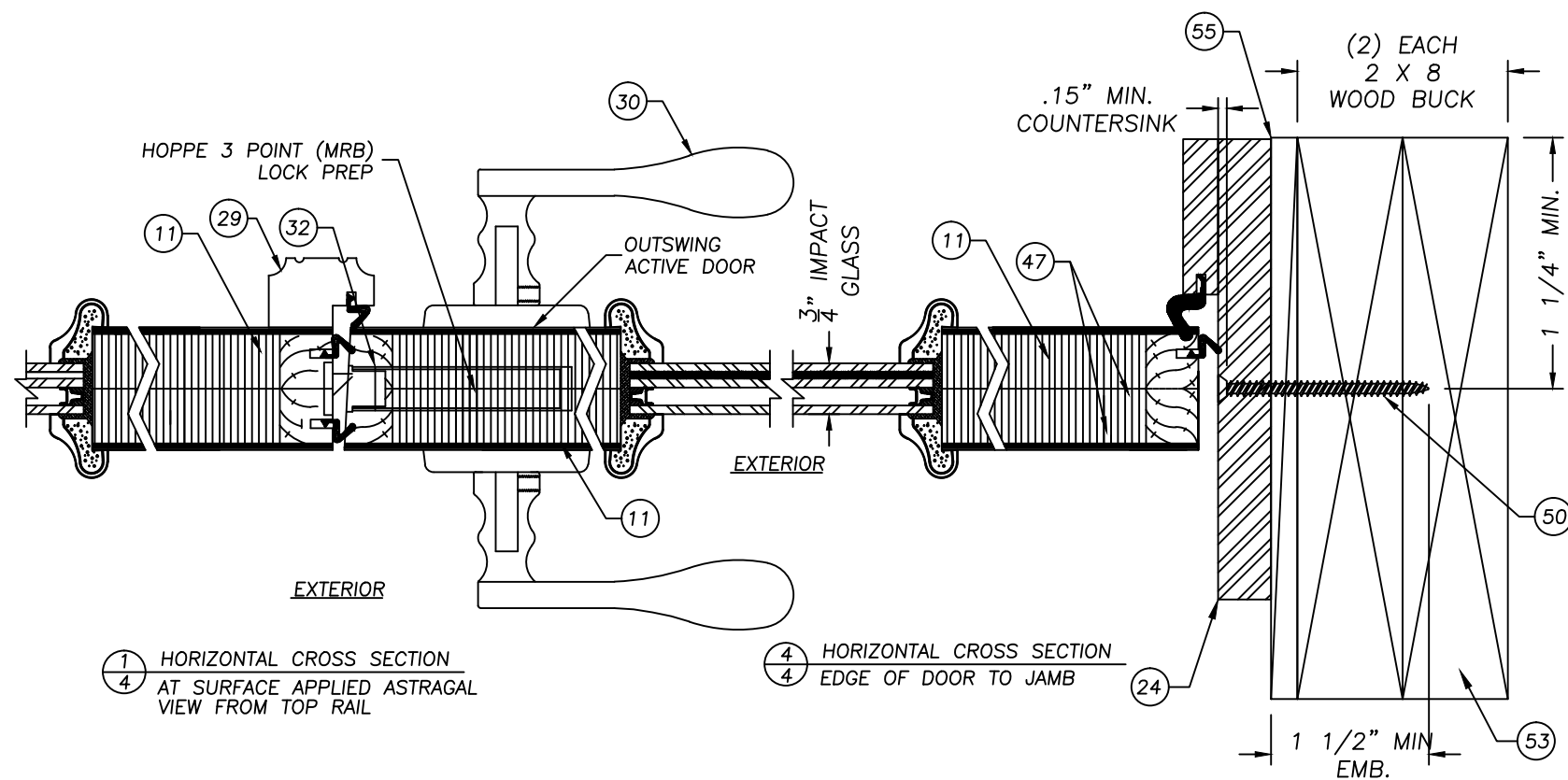
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DRAWING NO.:
A011511

SHEET 3 OF 9



ADDITIONAL 1X OR 2X MAY BE PLACED BETWEEN SHIM AND DOOR STUD, PROVIDING MIN. ANCHOR EMBEDMENT IS MET.



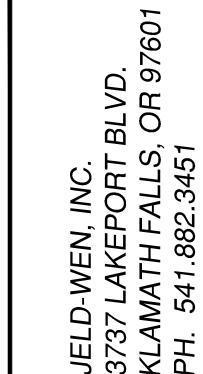
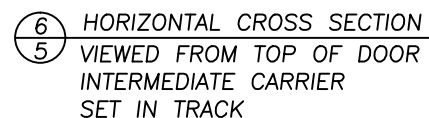
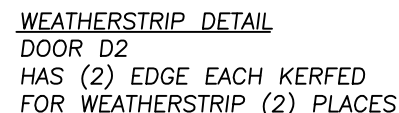
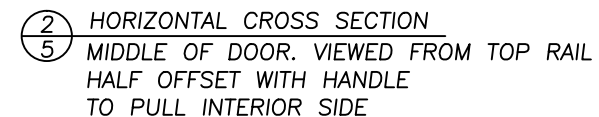
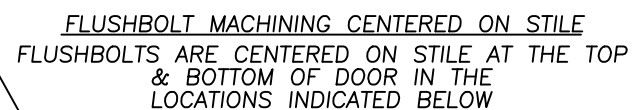
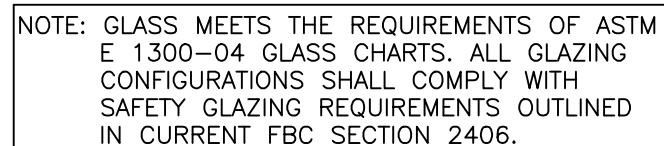
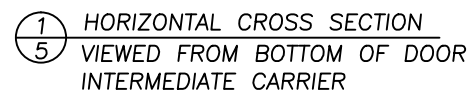
ALL ANCHORS UTILIZED IN CONCRETE MUST PENETRATE
SUBSTRATE A MINIMUM OF $1\frac{1}{2}$ ". ADDITIONAL 1X OR 2X MAY BE
PLACED BETWEEN SHIM AND CONCRETE.

PRODUCT: IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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KLAMATH FALLS, OR 97601
PH. 541.882.3451

[illegible]



PRODUCT: IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
**HORIZONTAL CROSS SECTIONS
WEATHERSTRIPPING**

2	7/14/14		REFORMAT		GL
1	12/14/11		2010 CODE CHANGE		JLA
NO.	DATE				BY
					REVISIONS

DATE: 07/12/07

SCALE: NTC

DUKE UNIVERSITY LIBRARY

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No. 73778 :

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STATE OF ... ER

FLORIDA...

HERMÉS MORENO

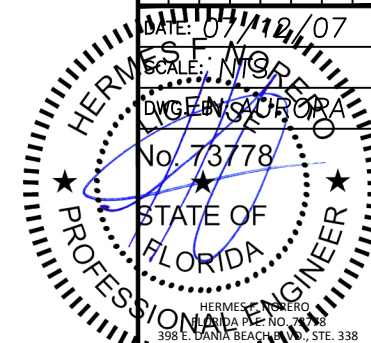
FLORIDA P.E. NO. 70778
398 E. DANIA BEACH BLVD., STE. 33

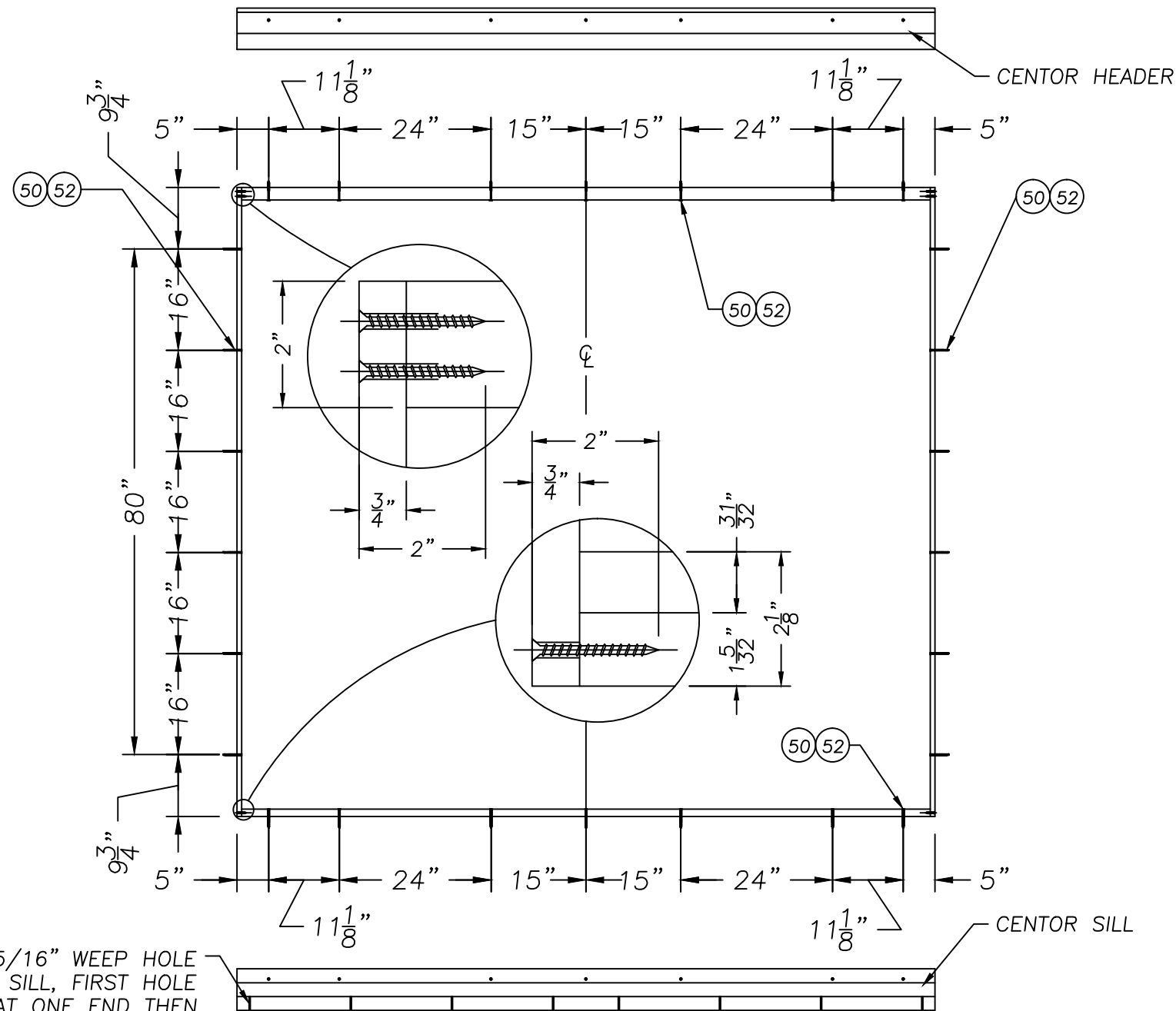
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 2

DRAWING NO.:
A011511

A011511

SHEET 5 OF 9

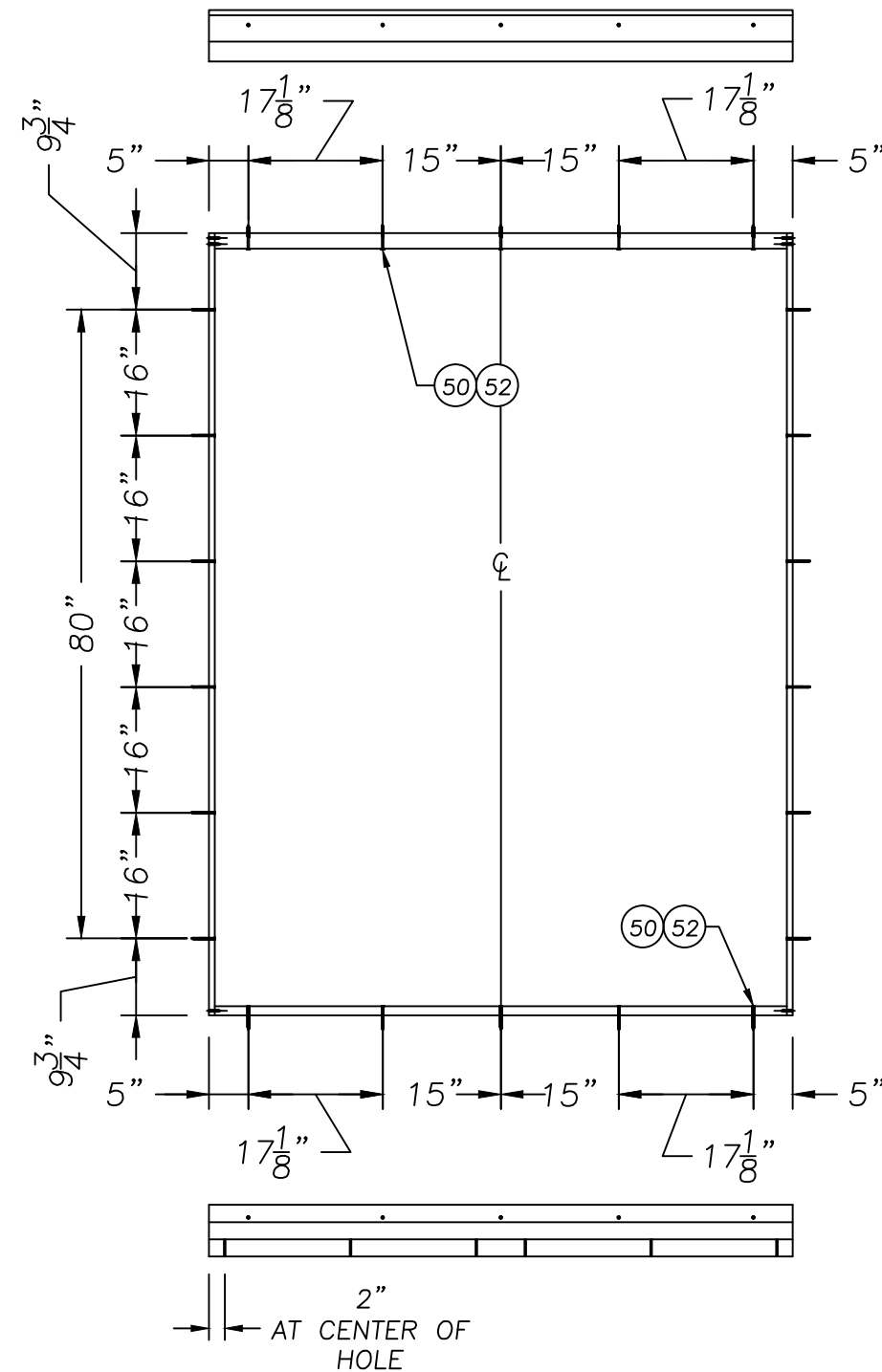




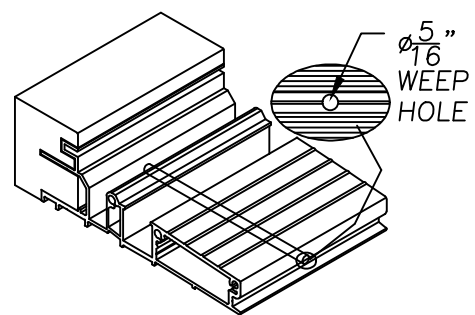
5/16\" WEEP HOLE
ON THE SILL, FIRST HOLE
WILL BE AT ONE END THEN
WITHIN 16\" INCHES UNTIL TO
REACH THE OTHER END

2\"
AT CENTER OF
HOLE

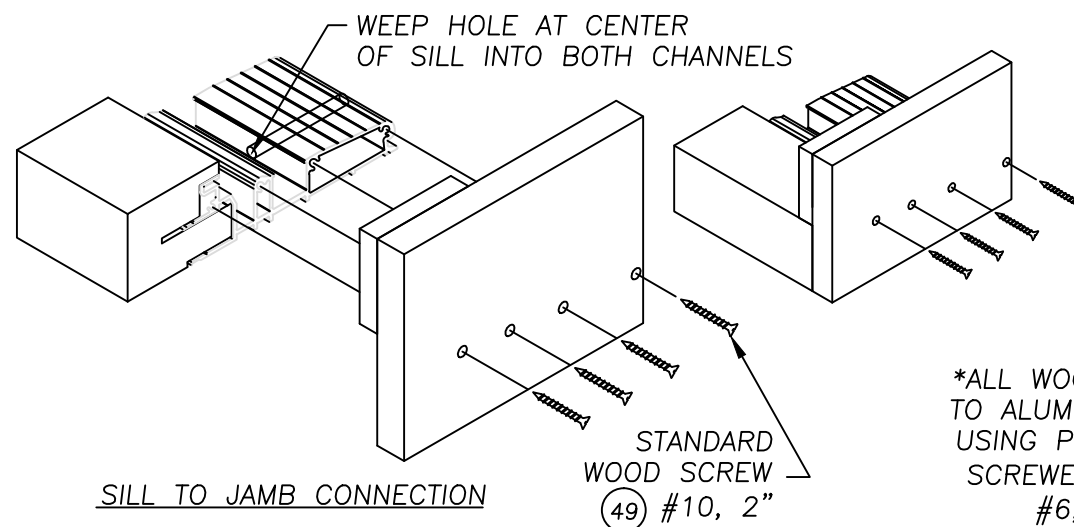
EXTERIOR FOLDING DOOR ANCHORING LOCATIONS



2\"
AT CENTER OF
HOLE



WEEP HOLE FROM CHANNELS
TO OUTSIDE OF SILL

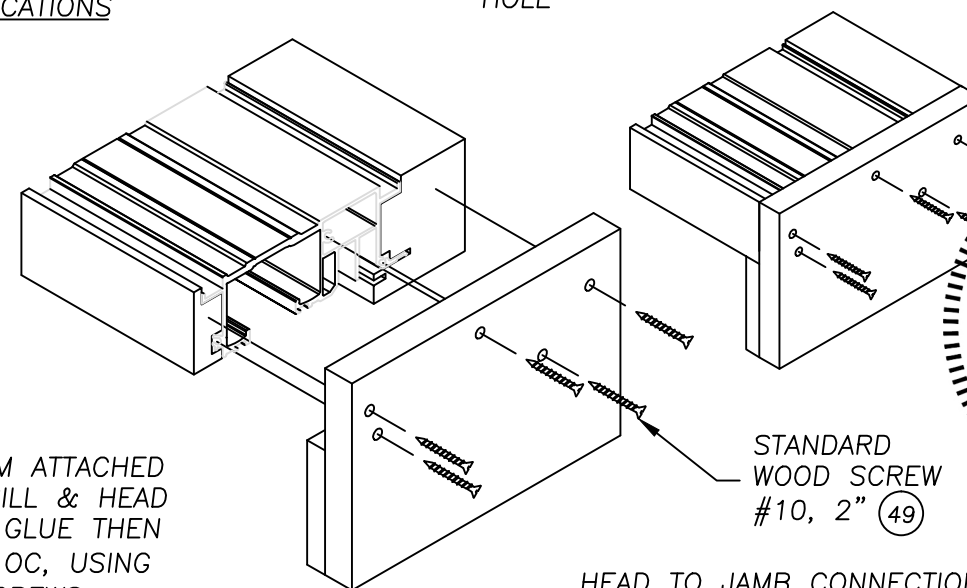


SILL TO JAMB CONNECTION

WEEP HOLE AT CENTER
OF SILL INTO BOTH CHANNELS

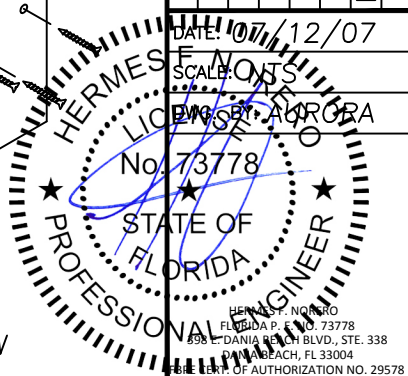
STANDARD
WOOD SCREW
#10, 2\" (49)

*ALL WOOD TRIM ATTACHED
TO ALUMINUM SILL & HEAD
USING PLEXUS GLUE THEN
SCREWED 12\" OC, USING
#6, 1\" SCREWS



HEAD TO JAMB CONNECTION

STANDARD
WOOD SCREW
#10, 2\" (49)



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FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:

ASSEMBLY DETAILS
ANCHORING LOCATIONS

NO.	DATE	REVISIONS
4	7/14/14	REFORMAT
3	12/14/11	2010 CODE CHANGE
2	5/13/08	ADDED 50 & 52
1	09/14/07	ADDED 51B
		BY
		IWP
		EAG
		JLA
		GL

DATE: 07/12/07

SCALE: 1/8\"

DRAWN BY: AURORA

No. 73778

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NOGUEIRA

FLORIDA P. E. NO. 73778

898 E. DANIA BEACH BLVD., STE. 338

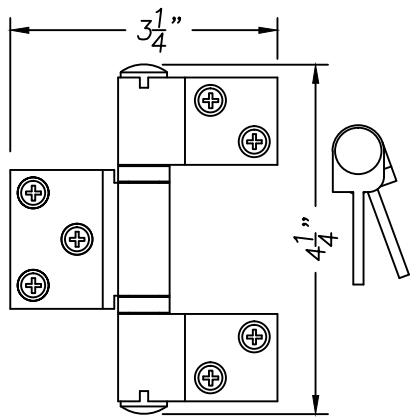
DANIA BEACH, FL 33004

DATE OF AUTHORIZATION NO. 29578

DRAWING NO.:

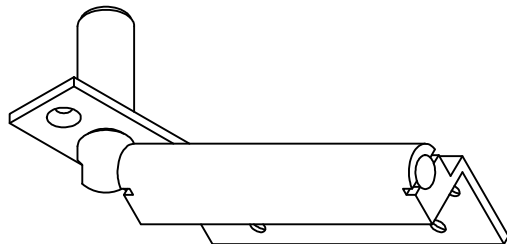
A011511

SHEET 7 OF 9



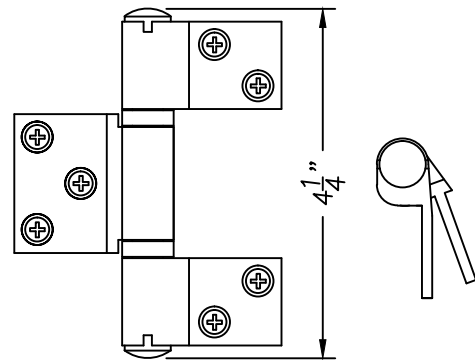
INTERMEDIATE STAINLESS STEEL
HINGES FOR OUTSWING DOORS
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

35



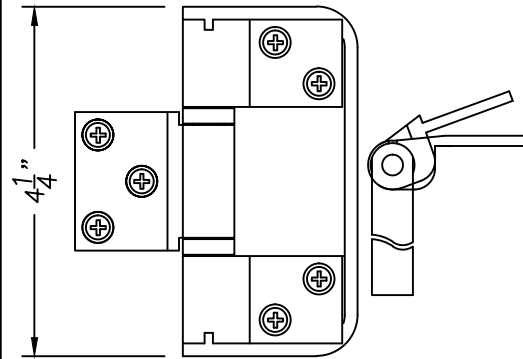
JAMB MOUNTED PIVOT
FOR OUTSWING DOORS
#10, 2 1/2" WOOD SCREWS
ATTACH TO DOORS/JAMBS.
THESE PIVOTS NOT USED
IN TESTING.

38



HALF OFFSET STAINLESS STEEL
HINGE SETS WITH HANDLE FOR
FOR OUTSWING DOORS
(47) #10, 1 1/2" ALL
SCREWS IN HINGES

41



HALF OFFSET STAINLESS STEEL
HINGE SETS WITH HANDLE FOR
FOR OUTSWING DOORS
(47) #10, 1 1/2" ALL
SCREWS IN HINGES

42



COMPRESSION
WEATHER-STRIP
Q-LON 350

34



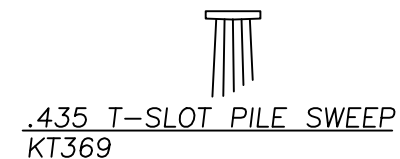
COMPRESSION
WEATHER-STRIP
QEZ 447-2

58



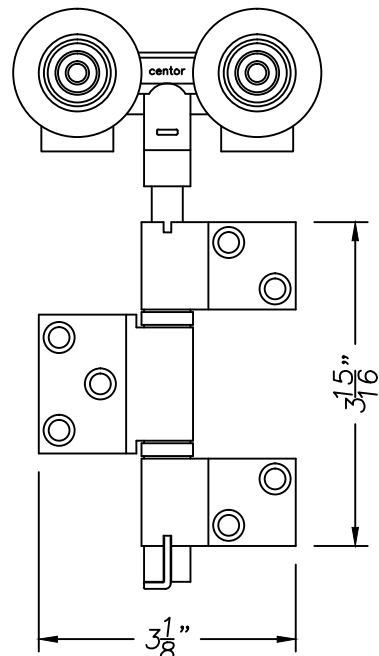
COMPRESSION WEATHER-STRIP
Q-LON QDS 650

33



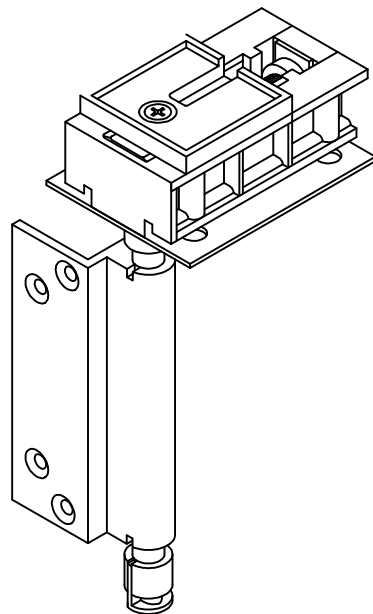
.435 T-SLOT PILE SWEEP
KT369

59



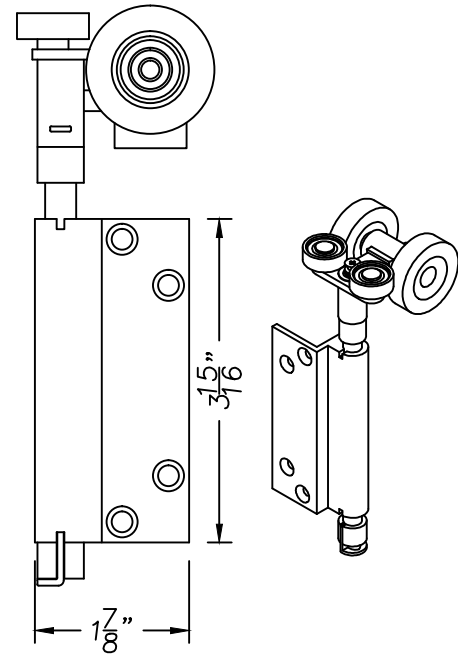
INTERMEDIATE SS SET
CONCEALED TOP CARRIER
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

36



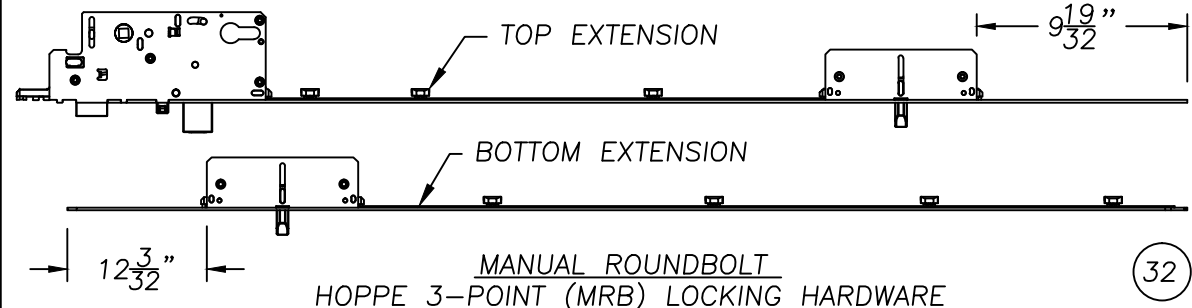
SS TOP PIVOT SET
HEAD/DOOR MOUNTED
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

39



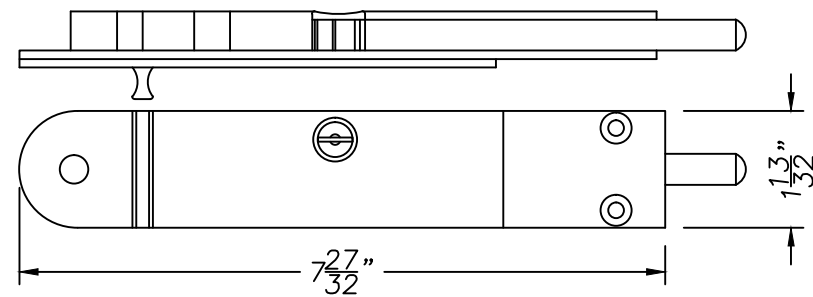
LEFT & RIGHT SS SET
CONCEALED TOP CARRIER
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

43



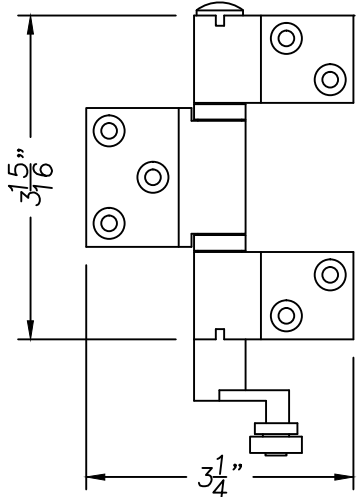
MANUAL ROUNDBOLT
HOPPE 3-POINT (MRB) LOCKING HARDWARE

32



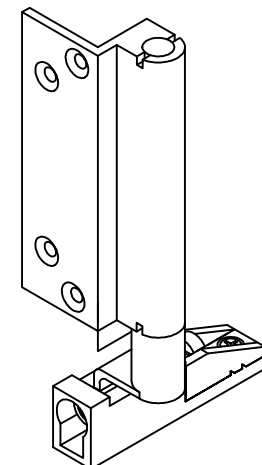
LOCKING FLUSHBOLT STAINLESS STEEL
ATTACH ON DOOR STILE (16" FLUSHBOLT ON TOP)
INTERIOR SIDE ONLY (48) #8, 1 5/8" SCREW

45 & 46



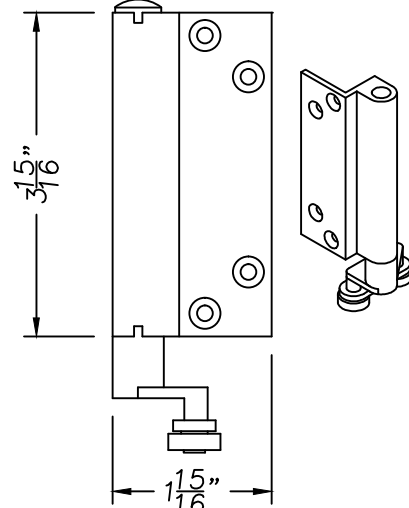
INTERMEDIATE SS SET
CONCEALED BOTTOM CARRIER
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

37



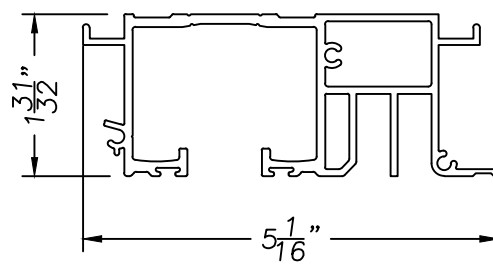
SS BOTTOM PIVOT SET
SILL/DOOR MOUNTED
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

40



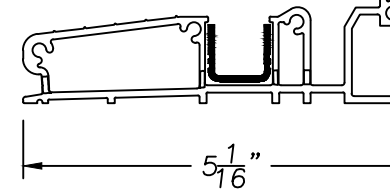
LEFT & RIGHT SS SET
CONCEALED BOTTOM CARRIER
(47) #10, 1 1/2 ALL
SCREWS IN HINGES

44



CENTOR ALUMINUM HEAD EXTRUSION
ATTACH TO WOOD COMPONENTS
FOR COMPLETE HEAD JAMB

22



CENTOR ALUMINUM SILL EXTRUSION
ATTACH TO WOOD COMPONENTS
FOR COMPLETE THRESHOLD

23

JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	BY	REVISIONS
3	7/14/14	REFORMAT	GL
2	12/14/11	2010 CODE CHANGE	JLA
1	09/14/07	ADDED DETAILS	IWP

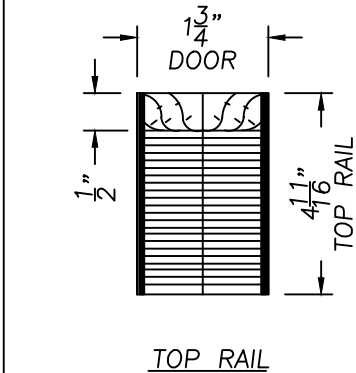
DATE: 07/12/07
SCALE: NOT
DWG. BY: AURORA
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NOBLE
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FLA. CERT. OF AUTHORIZATION NO. 29578

DRAWING NO.:
A011511

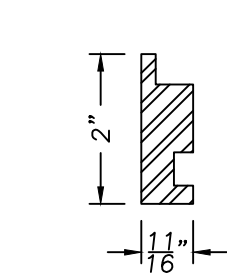
SHEET 8 OF 9

BILL OF MATERIALS

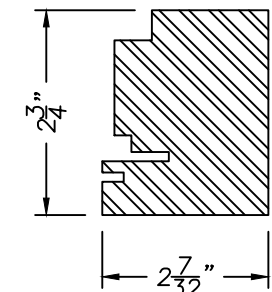
Item	Description	Material
D1-D3	AURORA 5001 GLAZED DOOR	FIBERGLASS
7	EDGE BAND 7/8 X 7/8	
8	SKIN 5001 36 X 96 GLASS DOOR MAHOGANY	
9	PUTTY POLYBOND	
10	FIBERGLASS MATERIAL	
11	4 11/16" X 1 3/4" STILES	LVL/WOOD
12	PLIOGRIP	
13	MOULDING 5001 36 X 96 #141	
14	SILICONE DOW 995	
15	POLYURETHANE FOAM CORE (A) AND (B)	
16	4 11/16" X 1 3/4" TOP RAIL	LVL/WOOD
17	8" X 1 3/4" BOTTOM RAIL	LVL/WOOD
18	3/4" IMPACT LAMINATED IG GLASS BY CARDINAL	GLASS
19	3.1mm TEMPERED GLASS	GLASS
20	8.6mm LAMINATED GLASS	GLASS
21	8.0mm STEEL SPACER	STEEL
22	CENTOR HEAD	ALUMINUM
23	CENTOR SILL	ALUMINUM
24	SIDE JAMB (6 9/16 X 3/4")	ALDER
25	APPLIED JAMB STOP (2 7/32 X 1/2")	ALDER
26	EXTERIOR HEAD TRIM	ALDER
27	INTERIOR HEAD TRIM	ALDER
28	INTERIOR SILL TRIM	ALDER
29	SURFACE MOUNTED ASTRAGAL	FIBERGLASS
30	HOPPE ACTIVE DOOR HANDLESET	BRASS
31	HOPPE INACTIVE DOOR HANDLESET (NOT USED)	BRASS
32	HOPPE 3-POINT HARDWARE INSTALLED (MRB)	STEEL
33	WEATHER-STRIP (SCHLEGEL Q-LON QDS 650)	URETHANE FOAM
34	WEATHER-STRIP (SCHLEGEL Q-LON 350)	URETHANE FOAM
35	INTERMEDIATE HINGES	STEEL
36	INTERMEDIATE CARRIER SET (TOP HINGE & ROLLERS)	STEEL
37	INTERMEDIATE CARRIER SET (BOTTOM HINGE & ROLLERS)	STEEL
38	JAMB MOUNTED MIDDLE WALL PIVOT (NOT TESTED)	STEEL
39	PIVOT SET (TOP HINGE)	STEEL
40	PIVOT SET (BOTTOM HINGE)	STEEL
41	HALF OFFSET HINGE	STEEL
42	HALF OFFSET HINGE WITH HANDLE	STEEL
43	LEFT & RIGHT CARRIER SET (TOP HINGE & ROLLERS)	STEEL
44	LEFT & RIGHT CARRIER SET (BOTTOM HINGE & ROLLERS)	STEEL
45	SURFACE MOUNTED LOCKING FLUSHBOLT (8")	STEEL
46	SURFACE MOUNTED LOCKING FLUSHBOLT (16")	STEEL
47	HINGE SCREW-21 IN PACK - #10, 1 1/2"	STEEL
48	STANDARD WOOD SCREW #8, 1 5/8"	STEEL
49	STANDARD WOOD SCREW #10, 2"	STEEL
50	STANDARD WOOD SCREW #14, 3"	STEEL
51A	STANDARD WOOD SCREW #14, 3"	STEEL
51B	1/4" X 3" STANDARD WOOD LAG BOLT	STEEL
52	1/4" TAPCON W/ 1 1/4" MIN. EMBED	STEEL
53	2" X 8" WOOD BUCK	PINE (S.G.=0.55)
54	3/8" X 8" WOOD BUCK	PLYWOOD
55	NON COMPRESSION SHIM	
56	3/8" X 8" STEEL	STEEL
57	CONCRETE	CONCRETE
58	QEZ 447-2 WEATHER STRIP	
59	.435 T-SLOT PILE SWEEP	



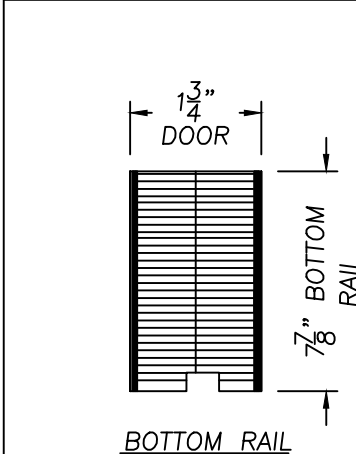
16



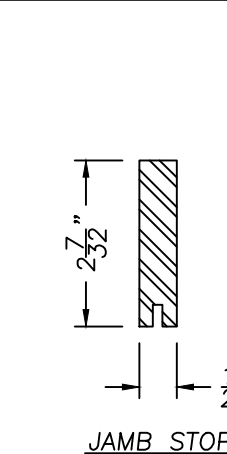
26



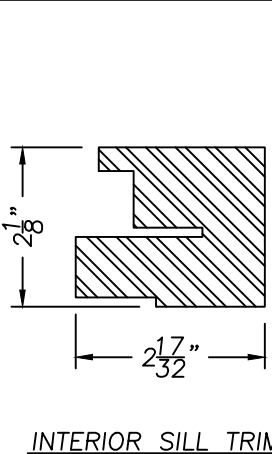
27



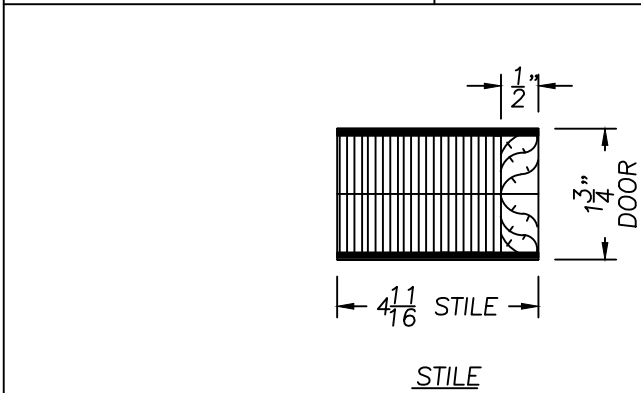
17



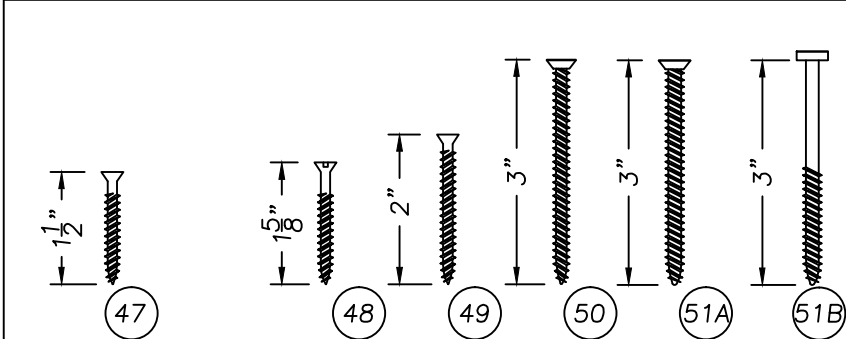
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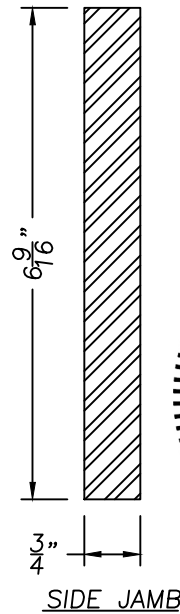
28



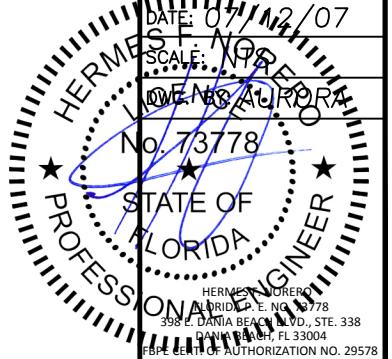
11



SCREW 21 PACK #10
ATTACH IN ALL HINGES



24



JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM
PART OR ASSEMBLY:
BILL OF MATERIALS
FRAME COMPONENTS

NO.	DATE	REV	TABLE	BY
4	7/14/14	REFORMAT	GL	
3	12/14/11	2010 CODE CHANGE	JLA	
2	5/13/08	CHG ITEM 50	EAG	
1	09/14/07	REV TABLE	IWP	

DATE: 07/12/07
SCALE: NPS
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES J. FORER
358 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBIPE CERT. OF AUTHORIZATION NO. 29578

DRAWING NO.:
A011511
SHEET 9 OF 9