

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. THIS PRODUCT DOES NOT MEET THE WATER REQUIREMENTS FOR HIGH WIND ZONE VELOCITY AREA WHEN USING THE LOW PROFILE BUMPER THRESHOLD.
6. REQUIRES IMPACT RESISTANT SHUTTERS
7. SYSTEMS GROUPS TESTED PER THE FOLLOWING STANDARDS: ASTM E 330-02, ASTM E 283-99, AND AAMA 1304-02.

AURORA FIBERGLASS DOOR
(Common to all frame conditions)

Face sheets: Fiberglass avg. min. yield strength
 $F_y(\text{min.}) = 6,000 \text{ psi}$
 Skin - 0.094" minimum thickness.

Core design: 13#/CF Polyurethane foam core (A) AND (B)

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 5/8 dual clear tempered glass on full lite doors. Fractionally glazed doors will utilize 13#/CF Polyurethane core.

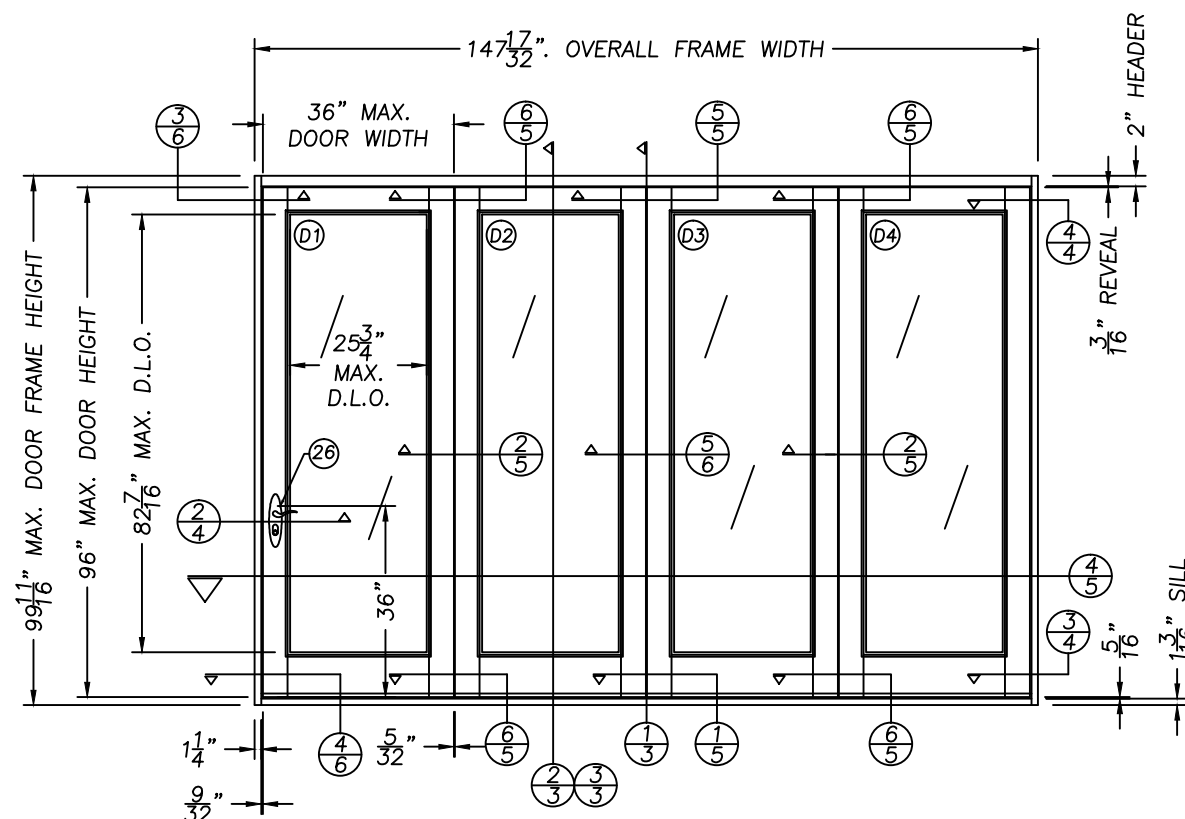
Frame Construction: The frames are constructed of wood 5 5/8" x 1 1/4". The head jambs are mortised and butt joined to the side jambs, and attached with five (4) #10 2" wood screws on each side. The threshold is attached to the side jambs with three (3) #10 2" wood screws on each side.

TABLE OF CONTENTS	
SHEET NUMBER	DESCRIPTION
1&2	TYPICAL ELEVATIONS & GENERAL NOTES
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	
DESIGN PRESSURE RATING	
	
POSITIVE	+45 *
NEGATIVE	-45

SYSTEM TYPE (4L)
4R MIRRORS 4L SYSTEM



NOTE: GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC SECTION 2406.

* 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 11:05:52 -04'00'

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

PRODUCT:
IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM

PART OR ASSEMBLY:

D	7/14/14		REFORMAT						GL
C	12/14/11		2010 CODE CHANGE	JLA					
B	7/08/10		REMOVED "2004"	FBC GL					
A	5/12/08		CHG ITEM 42 & 47	EAG					
NO.	DATE								BY
			REVISIONS						

DATE: 11/14/06/

FILE NO.

SCALE: 1 INCH = 10 FEET

DWG. BY: AURORA.

... LI ...

No. 73778

★ 3 ★

STATE OF

RC...E/C...A...

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

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

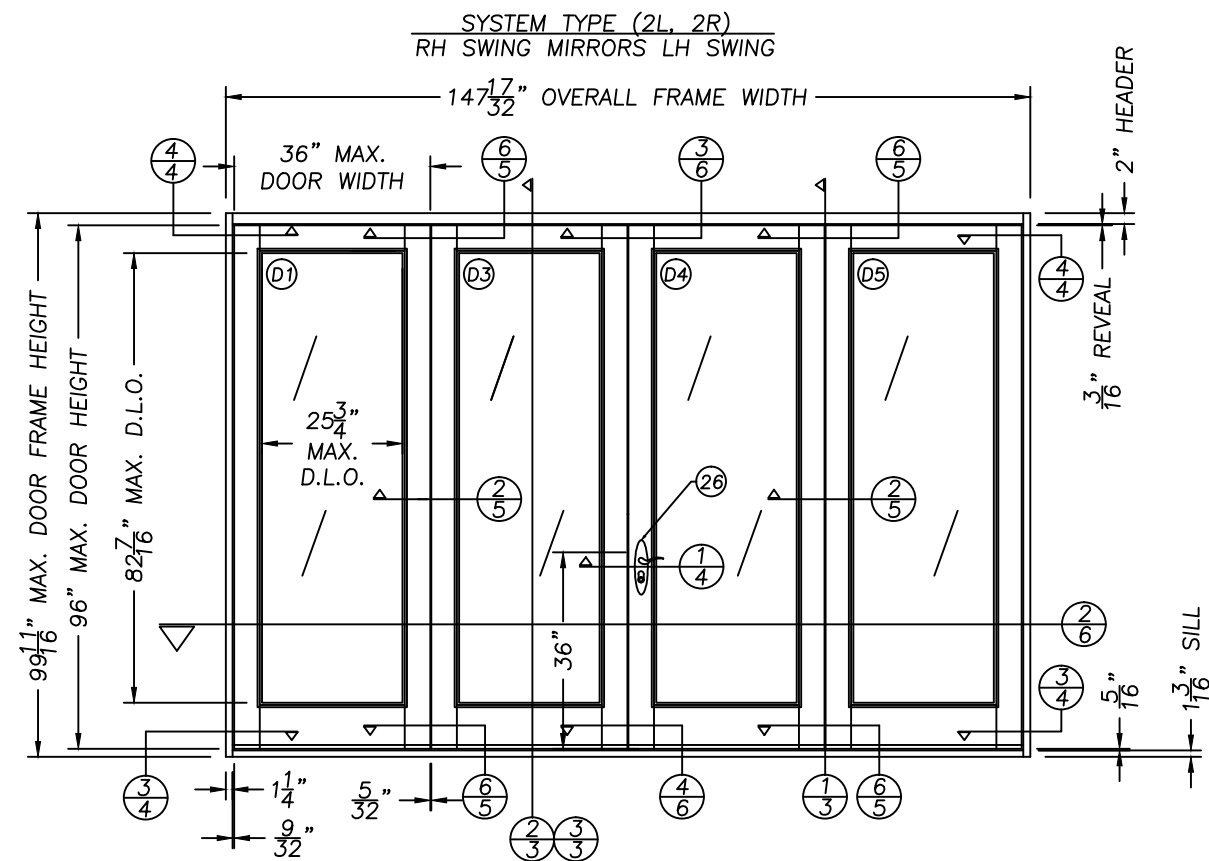
FBI CERT. OF AUTHORIZATION NO. 295

DRAWING NO.: A015H10

A011513

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SHEET 1 OF 9

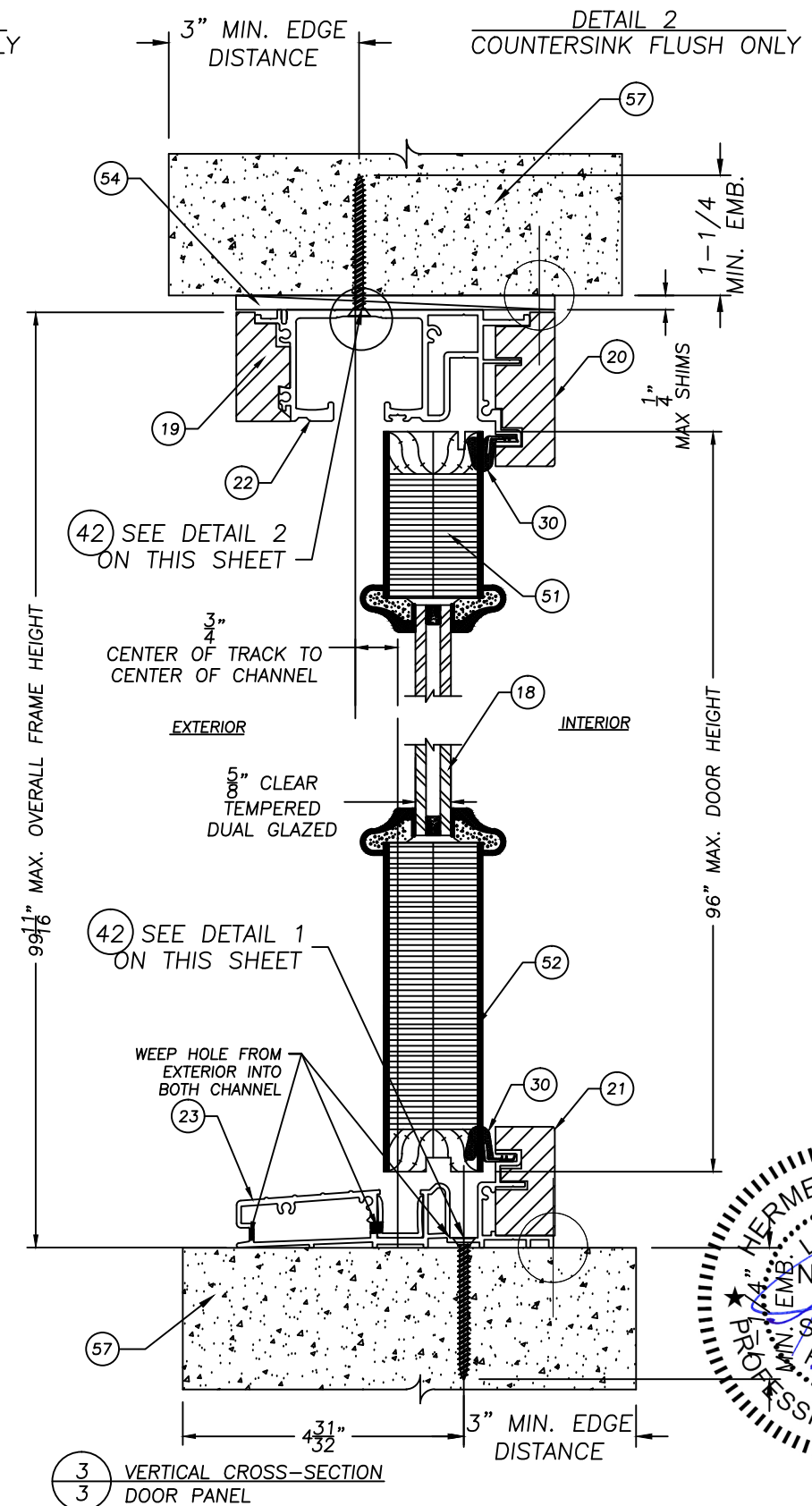
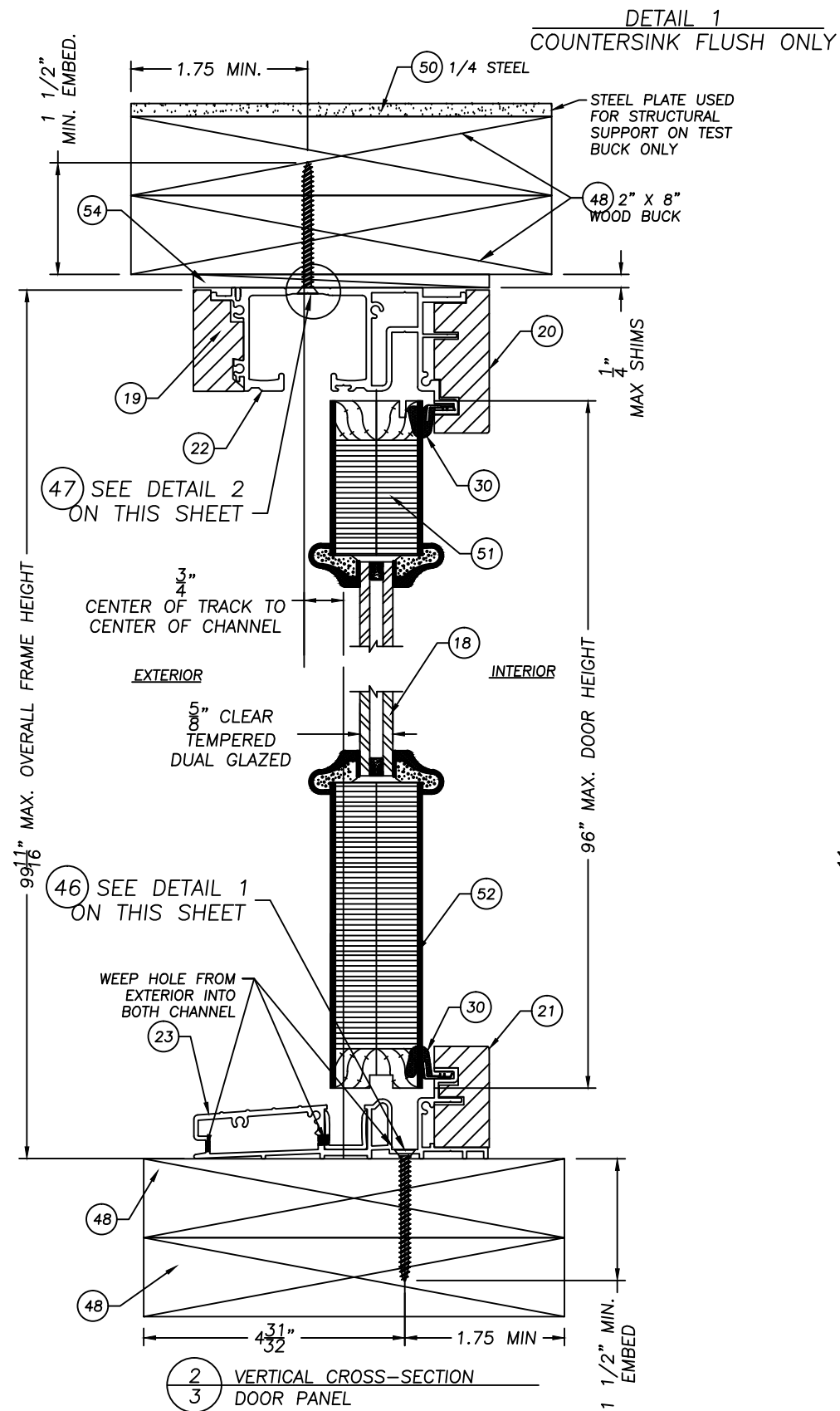
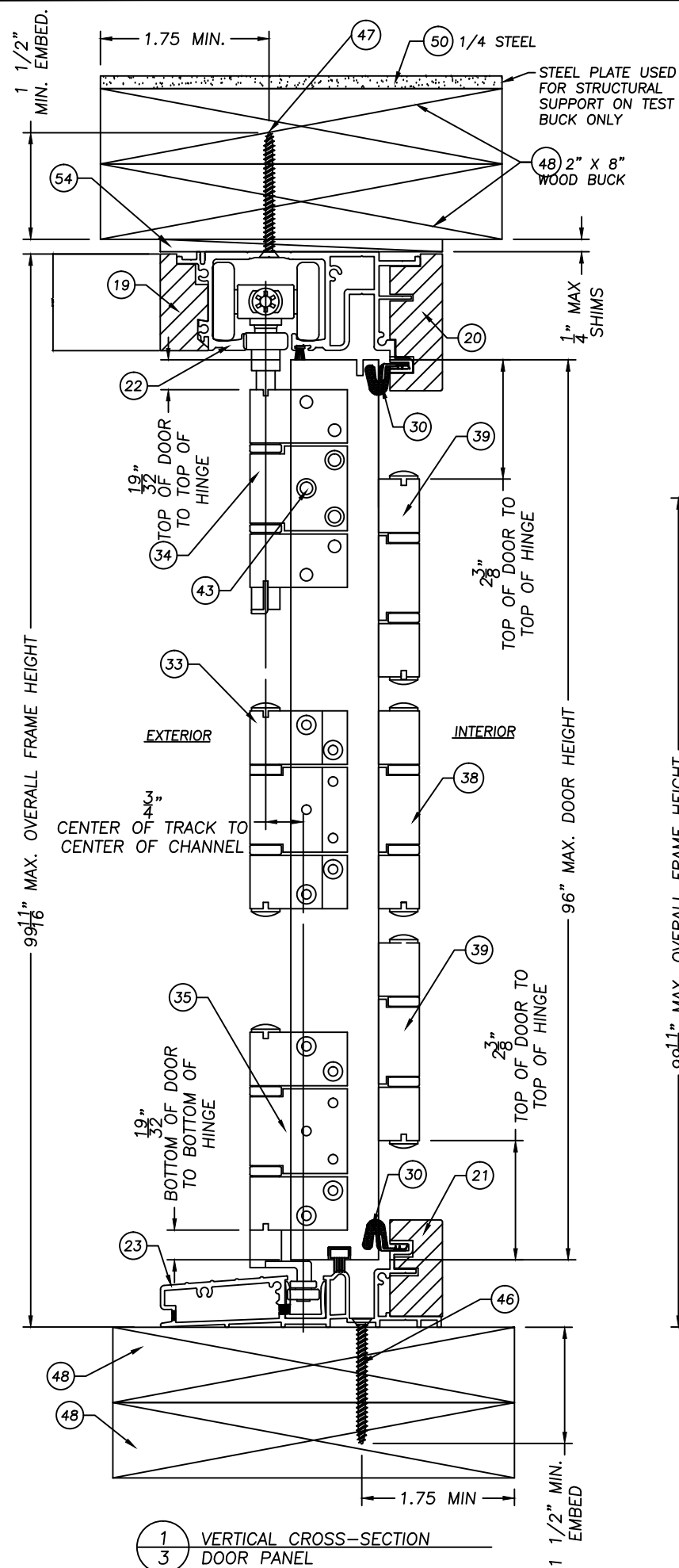


ALL DOOR MODELS ARE VIEWED
FROM THE EXTERIOR SIDE

DATE: 11/14/06
SOLD: NTC
OWN: BY: ALKORRA
LICENSE:
No. 73778
STATE OF
FLORIDA
HERMES E. NOBEN
FLORIDA P.E. NO. 73778
200 E. DANIA BEACH BLVD. SUITE 338
DANIA BEACH, FL 33019
PEBP CERT. OF AUTHORIZATION NO. 29578

JELD-WEN, INC. 3737 LAKEPORT BLVD. KLAMATH FALLS, OR 97601 PH. 541.882.3451		PRODUCT: IWP AURORA CUSTOM FIBERGLASS FOLDING DOOR SYSTEM		PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES	
				GL	
			REFORMAT		
C	7/14/14	2010	CODE CHANGE	JLA	
B	12/14/11	CHG	ITEM 42 & 47	EAG	
A	5/12/08			BY	
NO.	DATE				
					REVISIONS

DATE: 11/11/14/06
 SOLD BY: WTC
 DNG BY: AURORA
 LICENSE NO. 73778
 STATE OF FLORIDA
 HERMAN F. NORRIS
 FLORIDA ENGINEER NO. 2778
 280 E. DANIA BLVD., SUITE 338
 FORT LAUDERDALE, FL 33305
 FBPE CERT. OF AUTHORIZATION NO. 29578
 DRAWING NO.:
A011513
 SHEET 2 OF 9



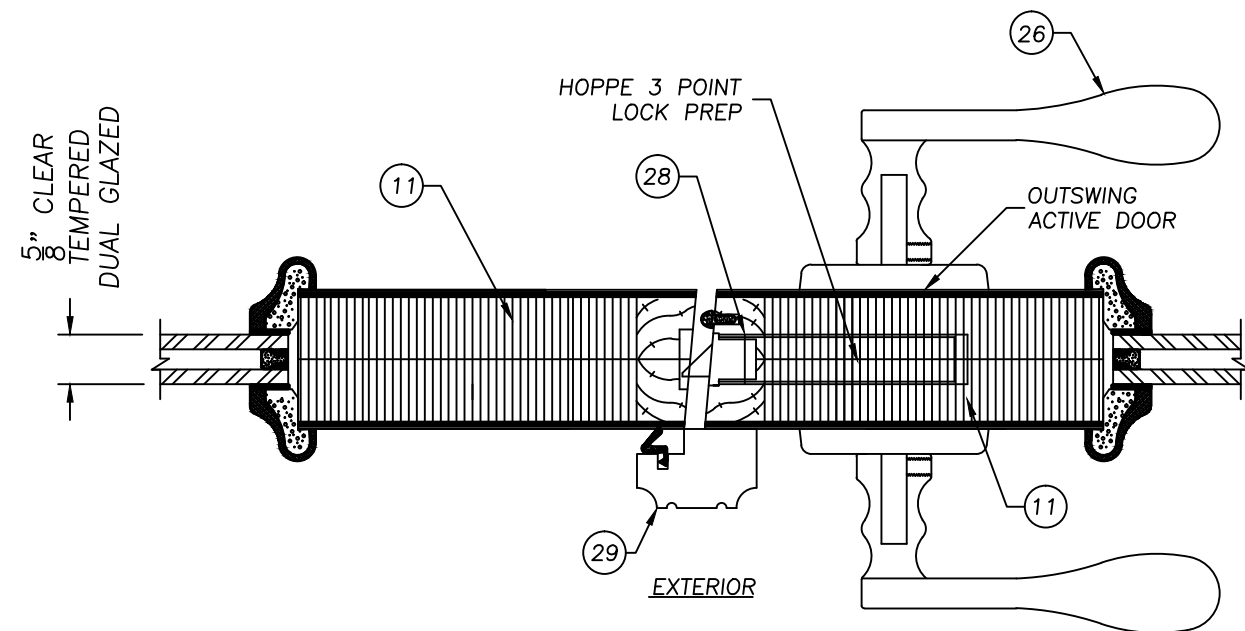
JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT:
IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
DOOR CROSS SECTION

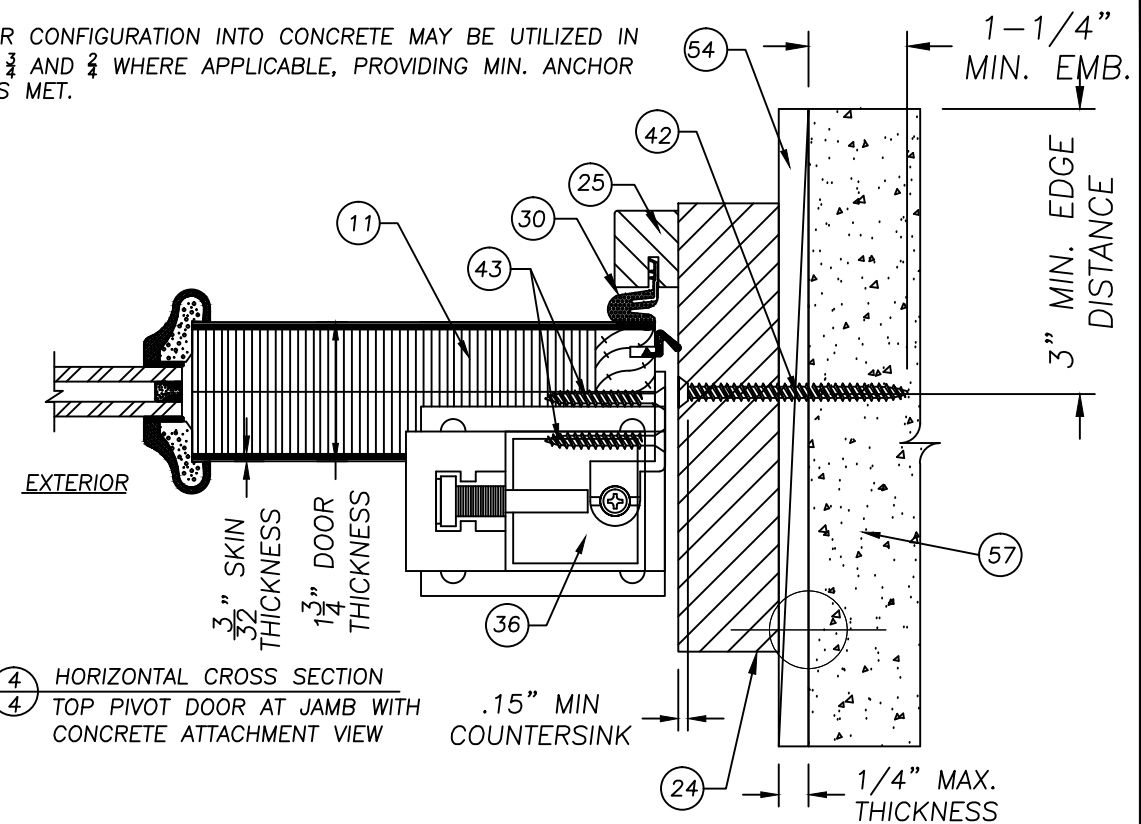
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B	12/14/11	2010 CODE CHANGE	JLA		
A	5/12/08	CHG ITEM 42 & 47	EAG		
NO.	DATE		BY		
REVISIONS					

DATE: 11/16/06
SCALE: NUTS
OWN: FLA. AUROR
CENS: 11/16/06
b. 73778
STATE OF
FLORIDA
ENGINEER
JAMES F. MORNO
FLORIDA
1998 S. PANAMA BEACH BLVD, STE. 338
PANAMA BEACH, FL 32084
FBPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:



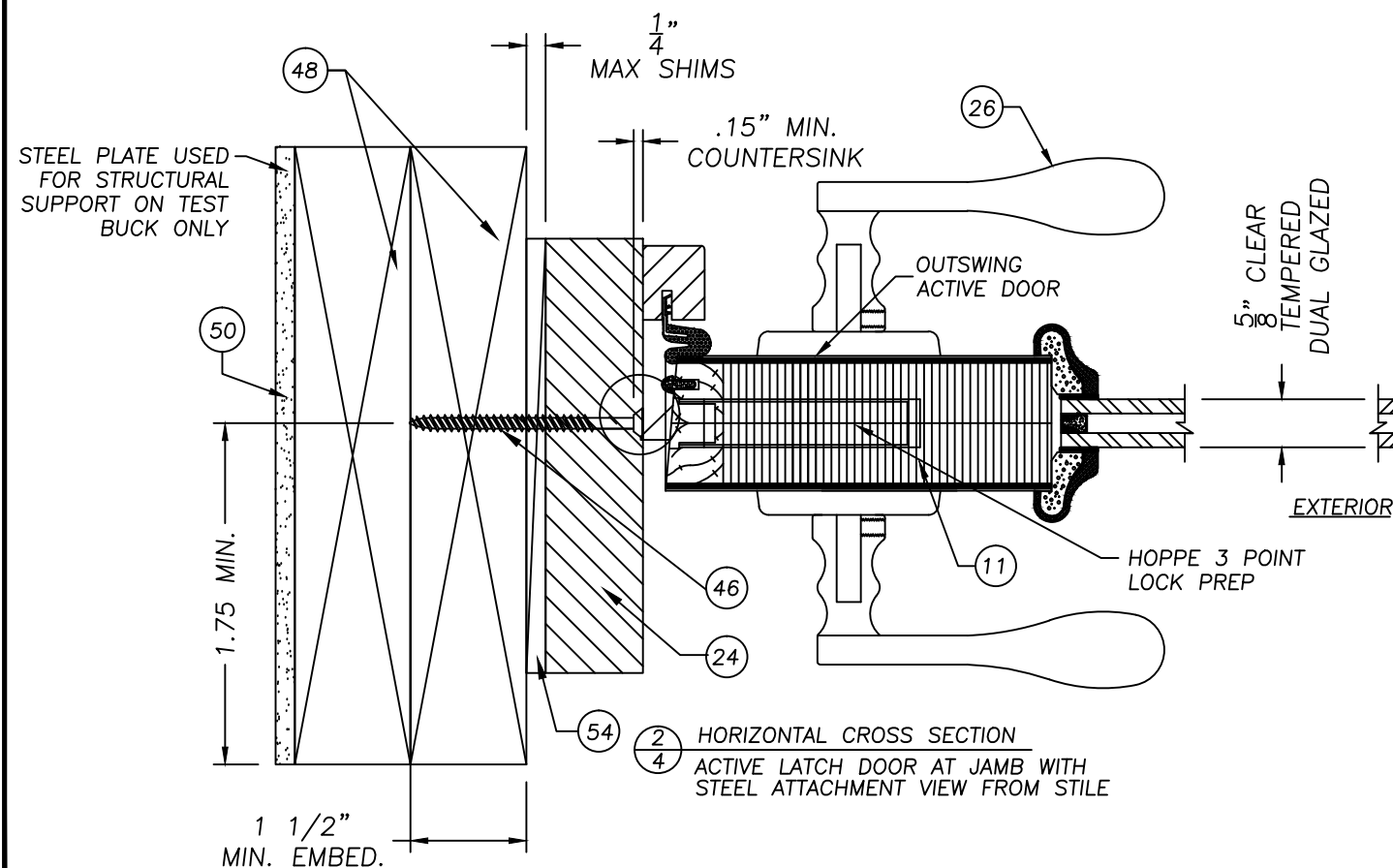
1
4 HORIZONTAL CROSS SECTION
AT SURFACE APPLIED ASTRAGAL
VIEW FROM TOP RAIL

ANCHOR CONFIGURATION INTO CONCRETE MAY BE UTILIZED IN
DETAIL 3/4 AND 2/4 WHERE APPLICABLE, PROVIDING MIN. ANCHOR
EMB. IS MET.

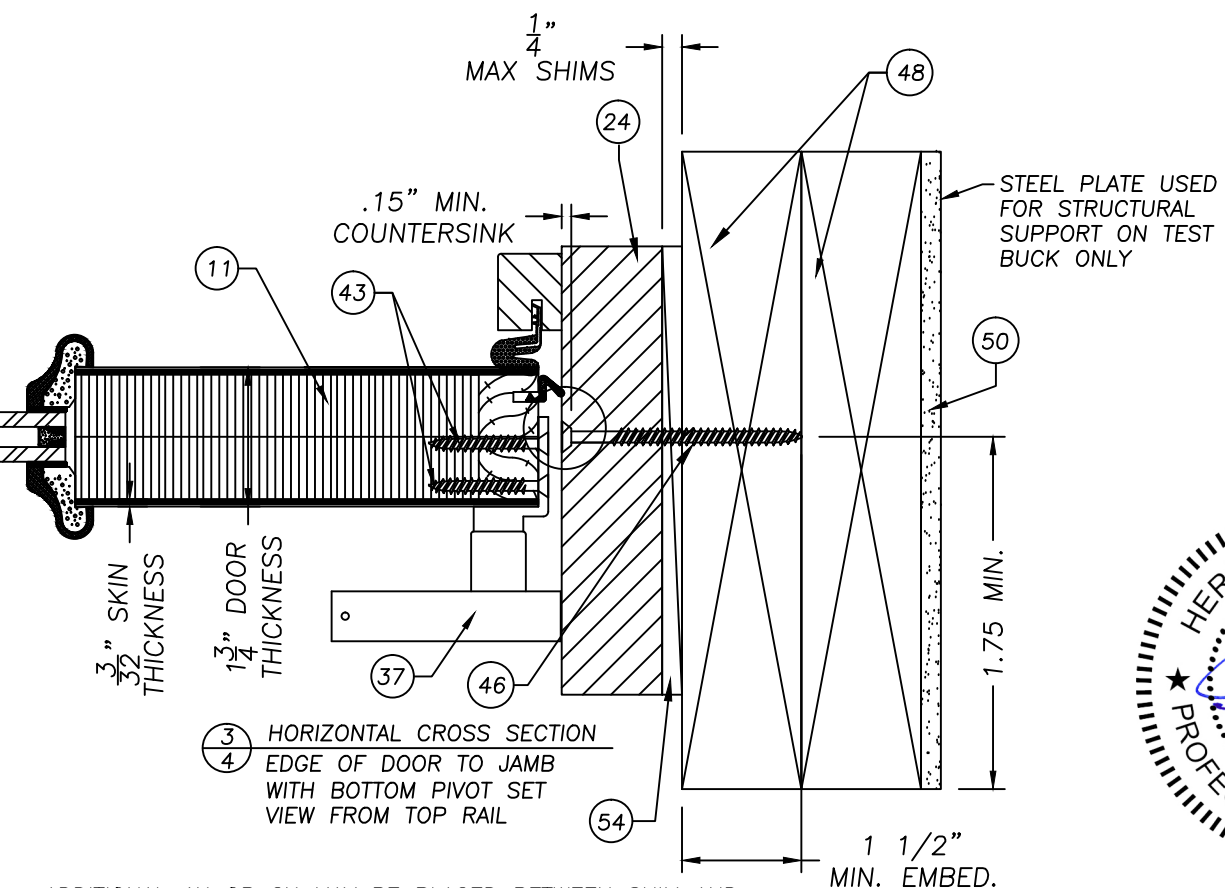


4
4 HORIZONTAL CROSS SECTION
TOP PIVOT DOOR AT JAMB WITH
CONCRETE ATTACHMENT VIEW

ALL ANCHORS UTILIZED IN CONCRETE MUST
PENETRATE SUBSTRATE A MINIMUM OF
1-1/4". ADDITIONAL 1X OR 2X MAY BE
PLACED BETWEEN SHIM AND CONCRETE



2
4 HORIZONTAL CROSS SECTION
ACTIVE LATCH DOOR AT JAMB WITH
STEEL ATTACHMENT VIEW FROM STILE



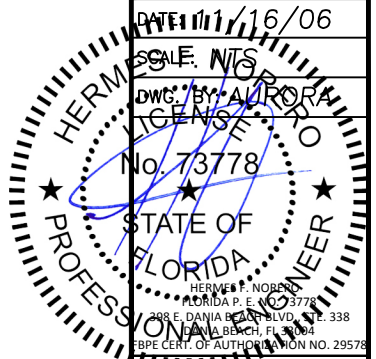
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4 HORIZONTAL CROSS SECTION
EDGE OF DOOR TO JAMB
WITH BOTTOM PIVOT SET
VIEW FROM TOP RAIL

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

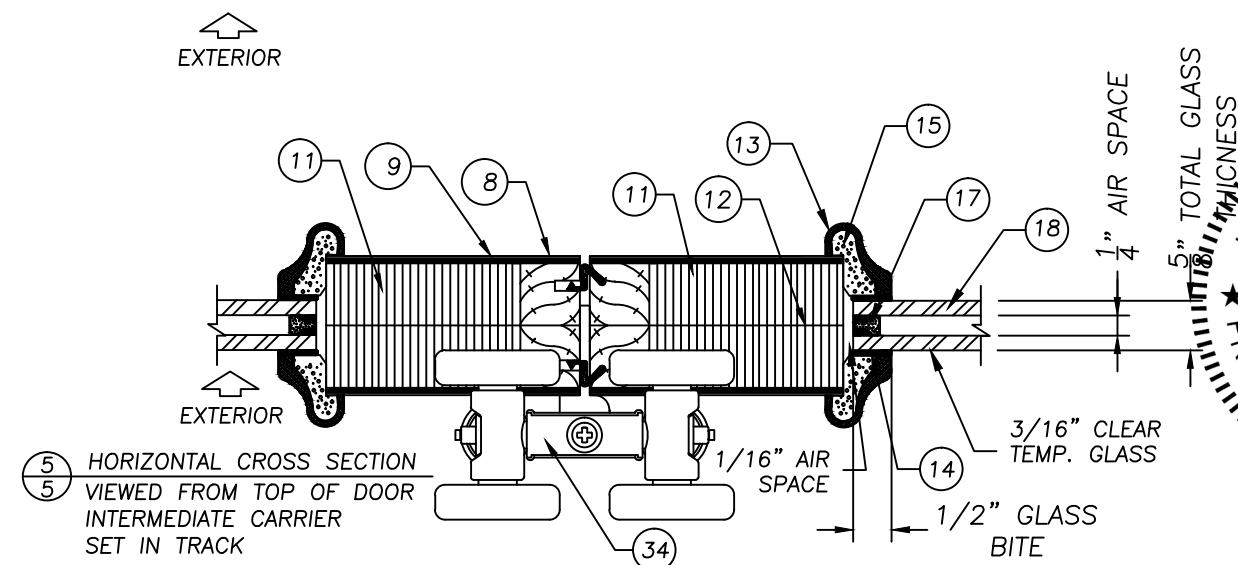
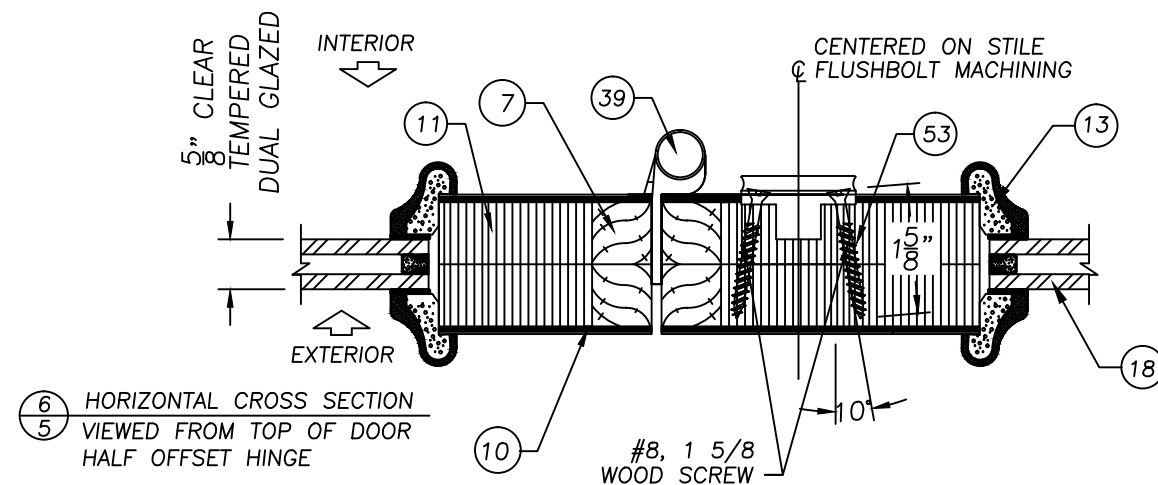
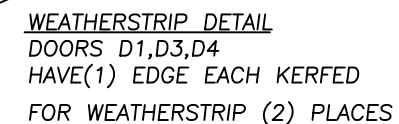
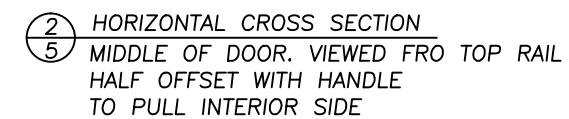
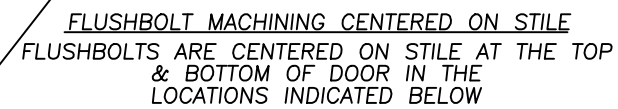
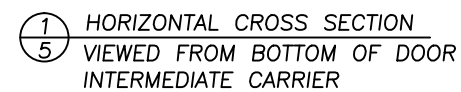
PRODUCT:
IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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



DATE: 11/16/06
SCALE: N/A
DWG. BY: AURORA
ENGINEER: J. F. NOBLE
No. 73778
STATE OF
FLORIDA
HERMANN, F. NOBLE
338 E. DANIA BEACH BLVD. SUITE 338
DANIA BEACH, FL 33444
FBPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011513
SHEET 4 OF 9



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

PRODUCT: IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM

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

C	7/14/14	REFORMAT		GL	
B	12/14/11	2010 CODE CHANGE	JLA		
A	5/12/08	CHG ITEM 42 & 47	EAG		
NO.	DATE			BY	
				REVISIONS	

DATE: 07/12/07

SCALE. MTS

DWG. BY: AURORA

LICENSE

No. 73778

STATE OF ... R

FLORIDA...EE

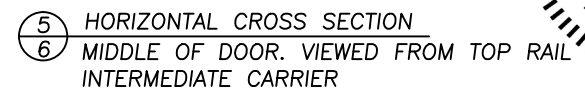
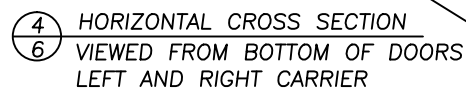
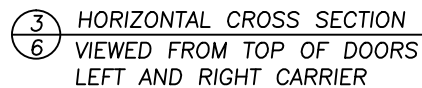
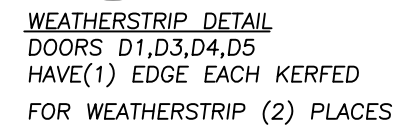
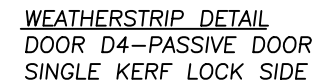
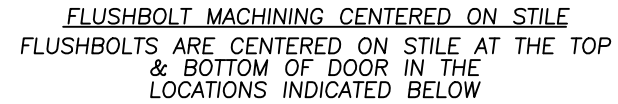
HERMES P. NOREÑO
FLORIDA P. E. NO. 78778
308 E. DANIA BEACH BLVD. STE. 3

9/01/01
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 2

DRAWING NO.:
A011512

A011513

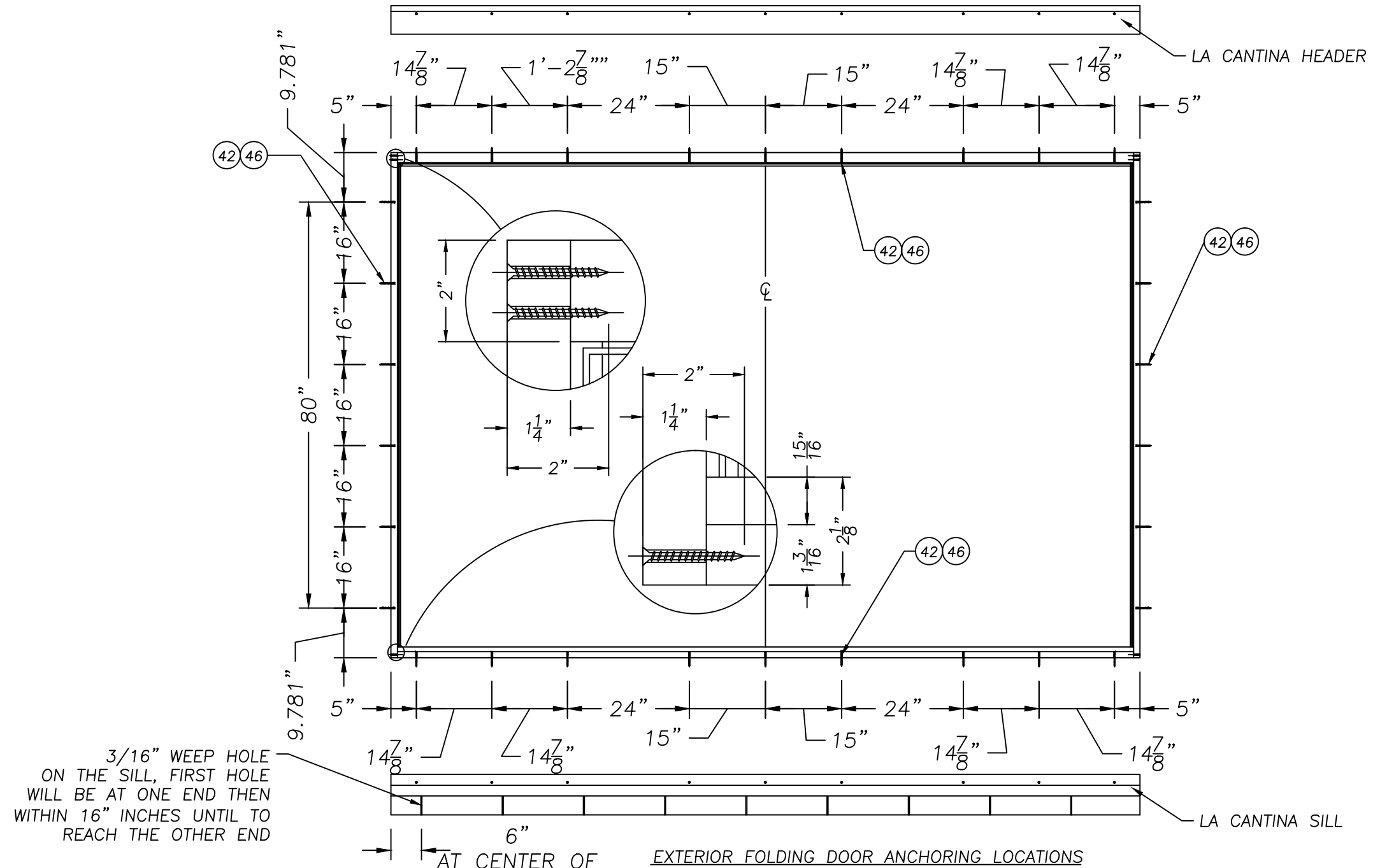
SHEET 5 OF 9



PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
WEATHERSTRIPPING

C	7/14/14	REFORMAT	GL
B	12/14/11	2010 CODE CHANGE	JLA
A	5/12/08	CHG ITEM 42 & 47	EAG
NO.	DATE	BY	
REVISONS			

DATE: 07/12/07
SCALE: NTS
DWG. BY: A011513
LICENSE
No. 73778
STATE OF
FLORIDA
HERMIE J. NORRIS
398 E. DANIA BEACH BLVD.
DANIA BEACH, FL 33017-3338
PERFECT COPY AUTHORIZATION NO. 29578
DRAWING NO.:
A011513
SHEET 6 OF 9



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

PRODUCT:
IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
ASSEMBLY DETAILS
ANCHORING LOCATIONS

NO.	DATE	REVISIONS
C	7/14/14	REFORMAT
B	12/14/11	2010 CODE CHANGE
A	09/14/07	CHG ITEM 42 & 47
		EAG
		BY

DATE: 07/12/07

SCALE: NTS

DWG. BY: AURORA

ENGINEER: HERMANN

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMANN ENGINEERING, INC.

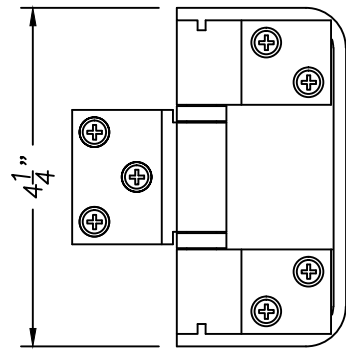
398 E. DANIA BEACH BLVD., SUITE 338

DANIA BEACH, FL 33444

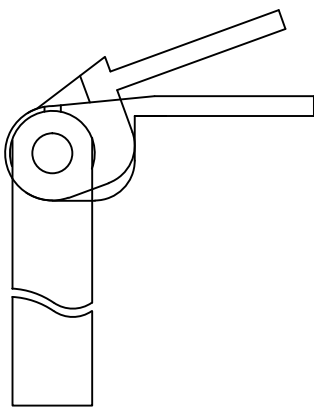
FBPE CERT. OF AUTHORIZATION NO. 29578

DRAWING NO.: A011513

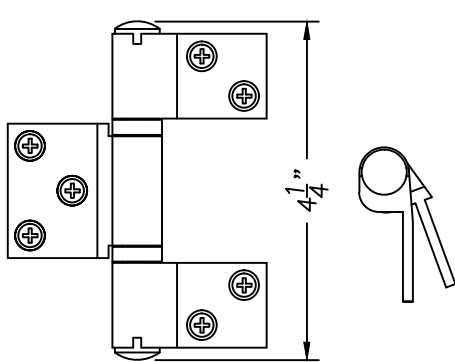
SHEET 7 OF 9



HALF OFFSET STAINLESS STEEL
HINGE SETS WITH HANDLE FOR
FOR OUTSWING DOORS
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

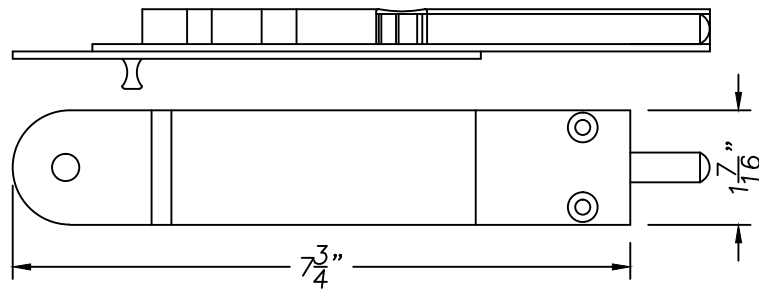


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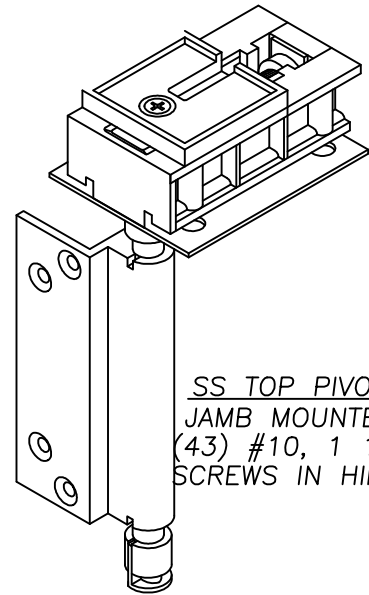
HALF OFFSET STAINLESS STEEL
FOR OUTSWING DOORS
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

39



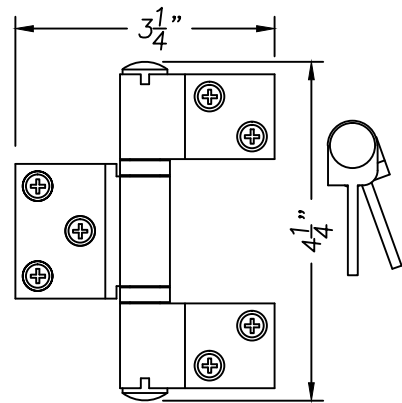
FLUSHBOLT STAINLESS STEEL
ATTACH ON DOOR STILE (16" FLUSHBOLT ON TOP)
INTERIOR SIDE ONLY (53) #8, 1 5/8 SCREW

40 & 41



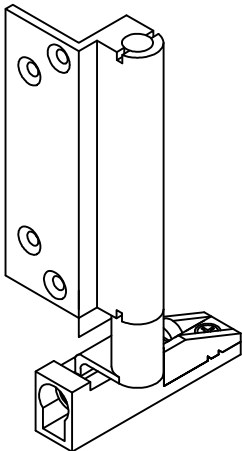
SS TOP PIVOT SET
JAMB MOUNTED
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

36



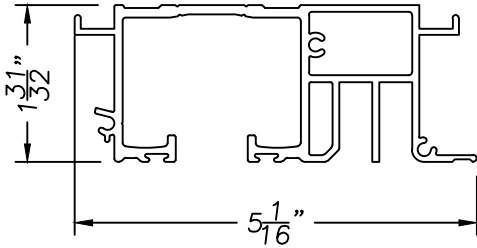
INTERMEDIATE STAINLESS STEEL
HINGES FOR OUTSWING DOORS
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

33



SS BOTTOM PIVOT SET
JAMB MOUNTED
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

37



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

22



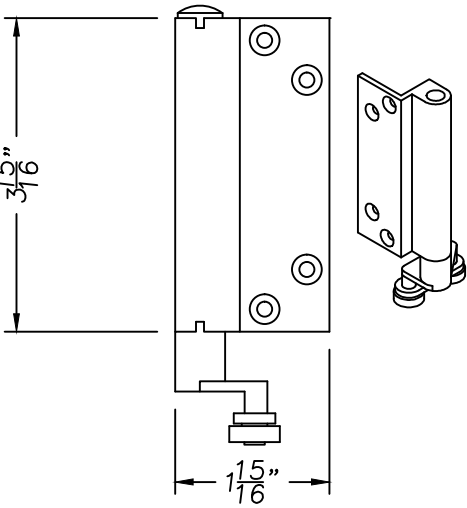
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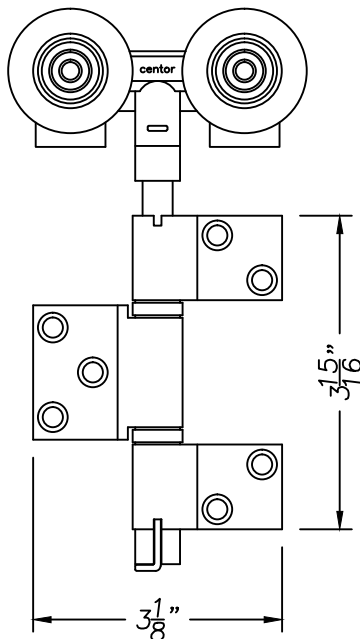


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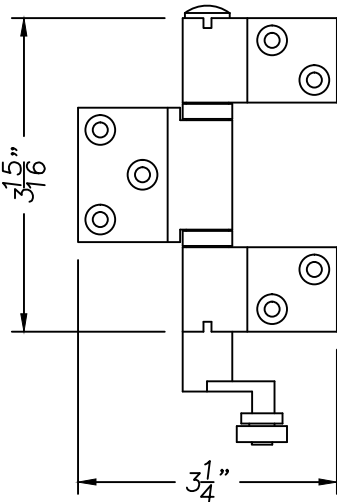
LEFT & RIGHT SS SET
CONCEALED BOTTOM CARRIER
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

56



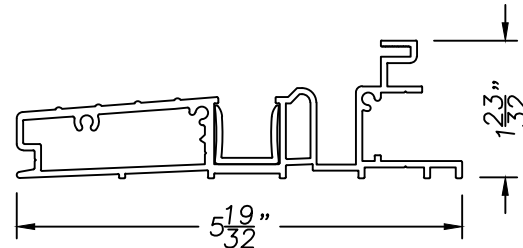
INTERMEDIATE SS SET
CONCEALED TOP CARRIER
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

34



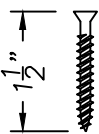
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CONCEALED BOTTOM CARRIER
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

35



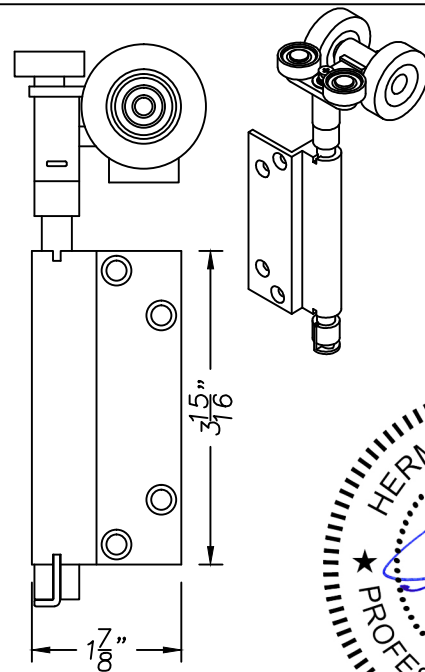
LCD ALUMINUM SILL EXTRUSION
ATTACH TO WOOD COMPONENTS
FOR COMPLETE THRESHOLD

23



SCREW 21 PACK #10
ATTACH IN ALL HINGES

43



LEFT & RIGHT SS SET
CONCEALED TOP CARRIER
(43) #10, 1 1/2 ALL
SCREWS IN HINGES

55

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

PRODUCT:
IWP AURORA CUSTOM FIBERGLASS
FOLDING DOOR SYSTEM
PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	CHG ITEM	BY
C	7/14/14	REFORMAT	GL
B	12/14/11	2010 CODE CHANGE	JLA
A	5/12/08	CHG ITEM 42 & 47	EAG

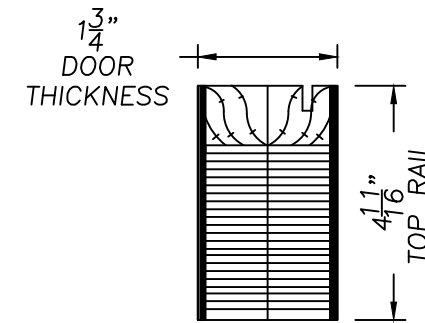
DATE: 07/12/07
BY: J. W. JELD-WEN
LIC. NO. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWING NO.:
A011513

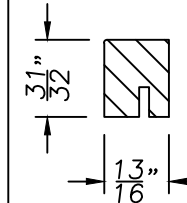
SHEET 8 OF 9

BILL OF MATERIALS

Item	Description	Material
D1-D6	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 FOAM TAPE 1/16 X 1/2 (LF)	
	15 POLYURETHANE FOAM CORE (A) AND (B)	
17	SPACER WITH DESICANT	
18	CLEAR TEMPERED GLASS	GLASS
19	EXTERIOR HEAD TRIM	AFRICAN MAHOGANY
20	INTERIOR HEAD TRIM	AFRICAN MAHOGANY
21	INTERIOR SILL TRIM	AFRICAN MAHOGANY
22	EXTRUDED ALUMINUM HEAD	ALUMINUM
23	EXTRUDED ALUMINUM SILL	ALUMINUM
24	SIDE JAMB (5 5/8 X 1 1/4")	AFRICAN MAHOGANY
25	APPLIED JAMB STOP (13/16 X 31/32")	AFRICAN MAHOGANY
26	HOPPE ACTIVE DOOR HANDLESET	BRASS
27	HOPPE INACTIVE DOOR HANDLESET (NOT USED)	BRASS
28	HOPPE 3-POINT HARDWARE INSTALLED	STEEL
29	SURFACE MOUNTED ASTRAGAL	FIBERGLASS
30	WEATHER-STRIP (SCHLEGEL Q-LON QDS 650)	URETHANE FOAM
31	WEATHER-STRIP (SCHLEGEL AQUAMAC 21)	URETHANE FOAM
32	WEATHER-STRIP (SCHLEGEL QWS 440)	URETHANE FOAM
33	INTERMEDIATE HINGES	STEEL
34	INTERMEDIATE CARRIER SET (TOP HINGE & ROLLERS)	STEEL
35	INTERMEDIATE CARRIER SET (BOTTOM HINGE & ROLLERS)	STEEL
36	PIVOT SET (TOP HINGE)	STEEL
37	PIVOT SET (BOTTOM HINGE)	STEEL
38	HALF OFFSET HINGE WITH HANDLE	STEEL
39	HALF OFFSET HINGE	STEEL
40	SURFACE MOUNTED FLUSHBOLT (8")	STEEL
41	SURFACE MOUNTED FLUSHBOLT (16")	STEEL
42	1/4" TAPCON W/ 1 1/4" MIN. EMBED	STEEL
43	HINGE SCREW-21 IN PACK - #10, 1 1/2	STEEL
44	STANDARD DRYWALL SCREW #6, 1 5/8"	STEEL
45	STANDARD WOOD SCREW #10, 2"	STEEL
46	STANDARD WOOD SCREW #14, 2 1/2"	STEEL
47	STANDARD WOOD SCREW #14, 2 1/2"	STEEL
48	2" X 8" WOOD BUCK	PINE
49	3/8" X 8" WOOD BUCK	PLYWOOD
50	3/8" X 8" STEEL	STEEL
51	4 11/16" X 1 3/4" TOP RAIL	LVL/WOOD
52	8" X 1 3/4" BOTTOM RAIL	LVL/WOOD
53	STANDARD WOOD SCREW #8, 1 5/8"	STEEL
54	NON COMPRESSION SHIM	
55	LEFT & RIGHT CARRIER SET (TOP HINGE & ROLLERS)	STEEL
56	LEFT & RIGHT CARRIER SET (BOTTOM HINGE & ROLLERS)	STEEL
57	CONCRETE	CONCRETE

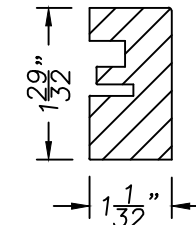


TOP RAIL (51)



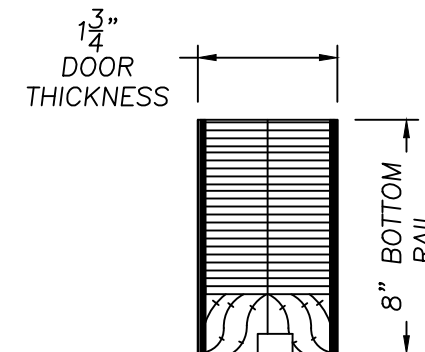
JAMB STOP

(25)



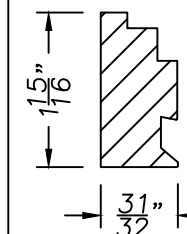
INTERIOR SILL TRIM

(21)



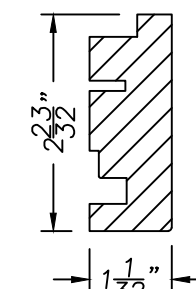
BOTTOM RAIL

(52)

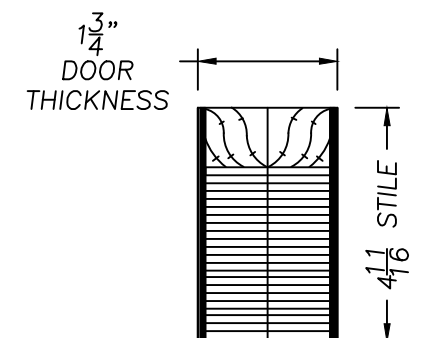


EXTERIOR
HEAD TRIM

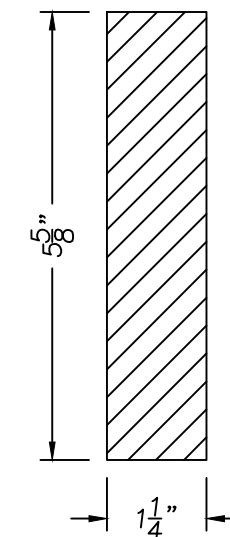
19



INTERIOR
HEAD TRIM



STILE (11)



SIDE JAMB

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

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

C	7/14/14	REFORMAT			GL	
B	12/14/11	2010 CODE CHANGE	JLA			
A	5/12/08	CHG ITEM 42 & 47	EAG			
NO	DATE				BY	
					REVISIONS	

DATE 11/16/06

SCALE

DWG. BY: AKRORA

72779

9. 15170

STATE OF ... ER III

FLORIDA
HERMES E. NOBRE

FLORIDA P.E. NO. 73778
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

FBPE CERT. OF AUTHORIZATION NO. 295
DRAWING NO.:

A011513

SHEET 9 OF 9
