

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
 $F_y(\text{min.})=6,000$ 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.

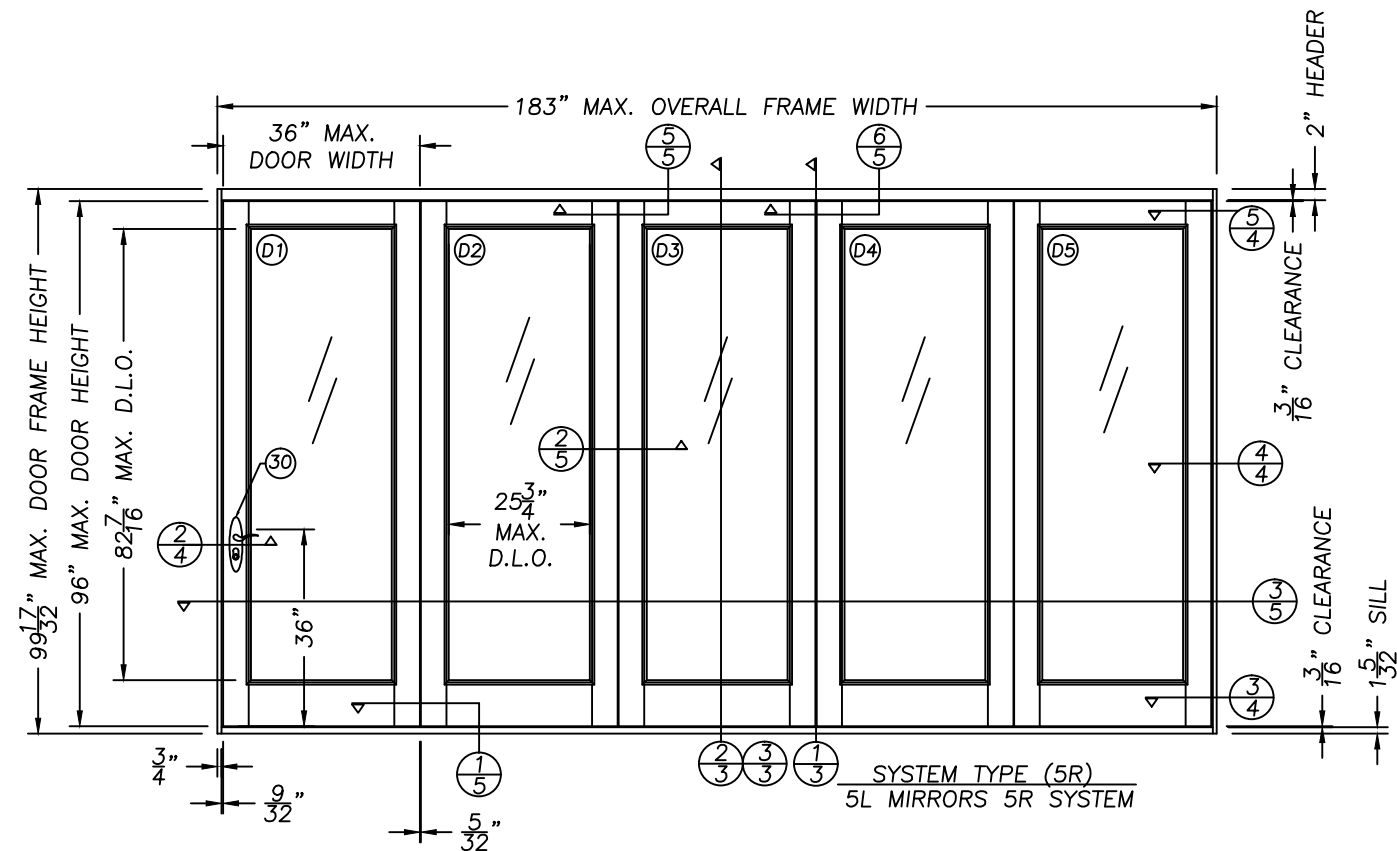


TABLE I

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 11:13:20 -04'00'

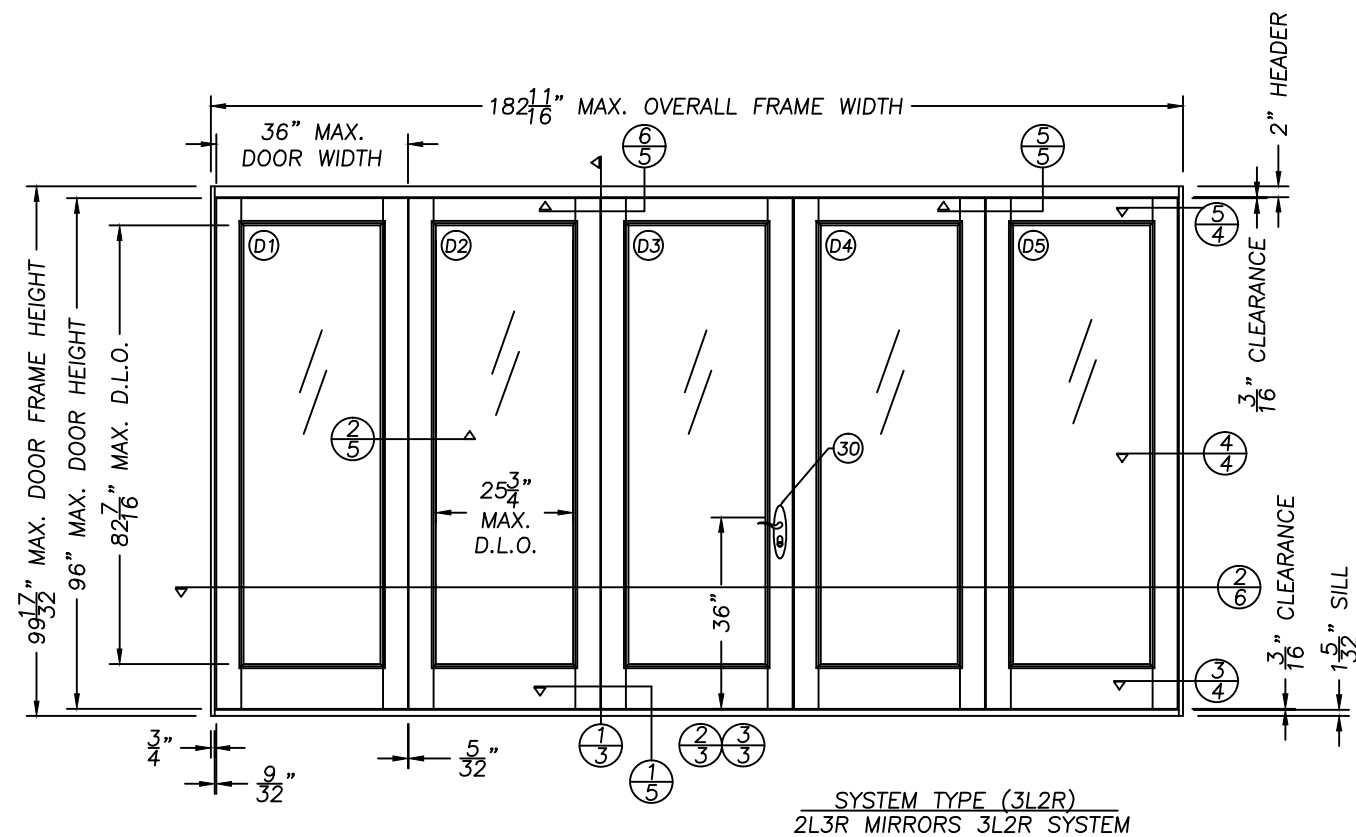
TABLE OF CONTENTS	
SHEET NUMBER	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	TYPICAL ELEVATIONS & DOOR CROSS SECTIONS
3	VERTICAL CROSS SECTIONS & OPENING ATTACHMENT
4,5&6	HORIZONTAL CROSS SECTIONS
7	ASSEMBLY DETAILS & ANCHORING LOCATIONS
8	HARDWARE DETAILS
9	BILL OF MATERIALS & FRAME COMPONENTS

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

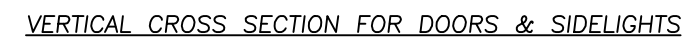
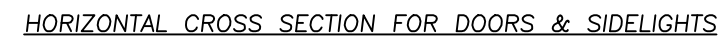
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
GENERAL NOTES

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

DATE: 07/12/07
SCALE: F.T.S.
DWC: BY: JLD
No. 73778
STATE OF
FLORIDA
HERMES F. NORERO
P.E. NO. 12000
DANIA BEACH, FL 33004
TYPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011515
SHEET 1 OF 9



ALL DOOR MODELS ARE VIEWED
FROM THE EXTERIOR SIDE

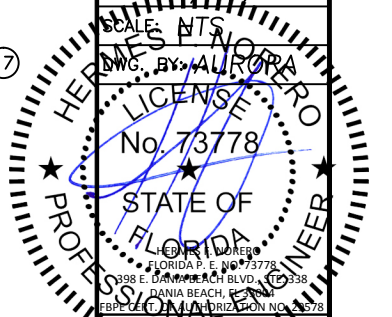


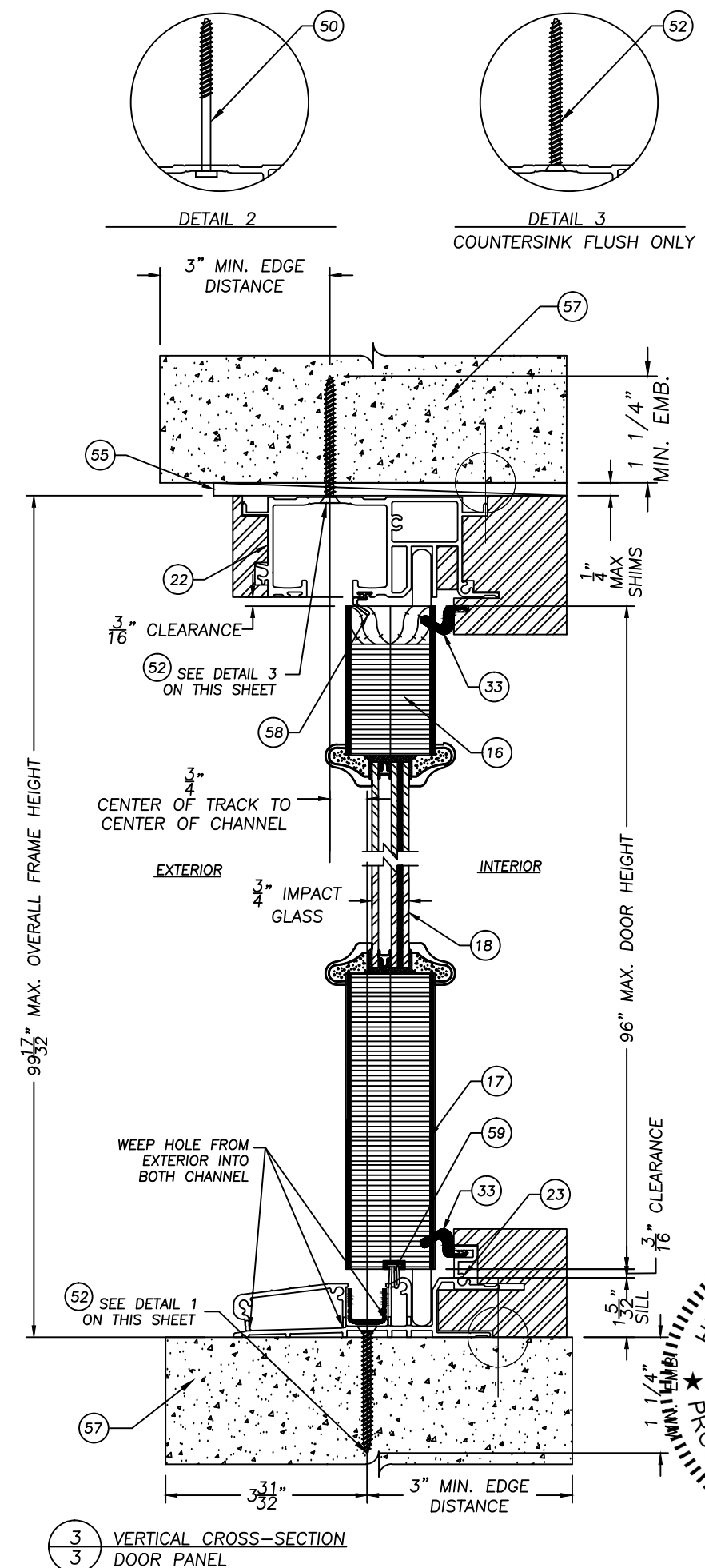
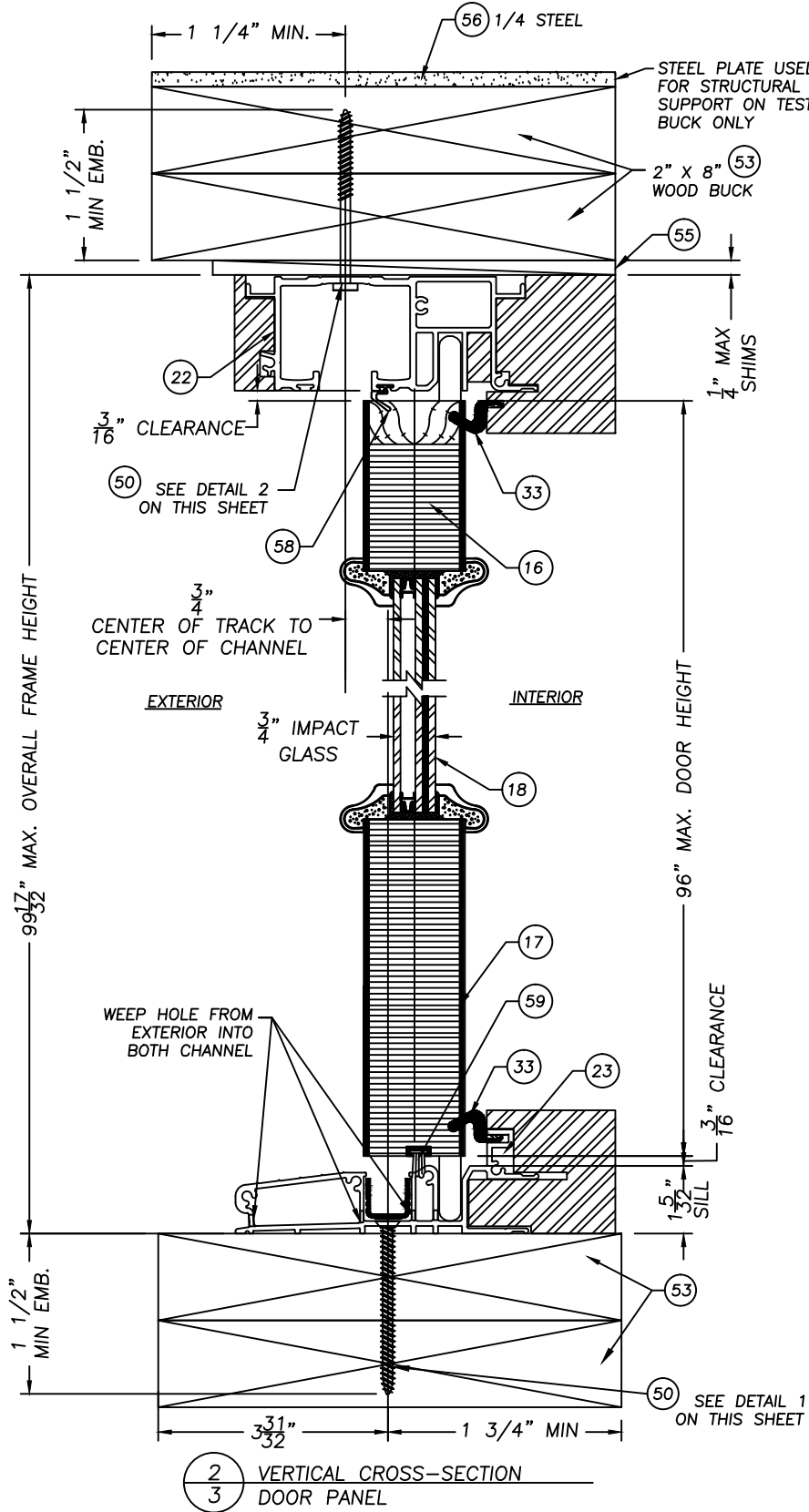
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FIBERGLASS FOLDING DOOR SYSTEM

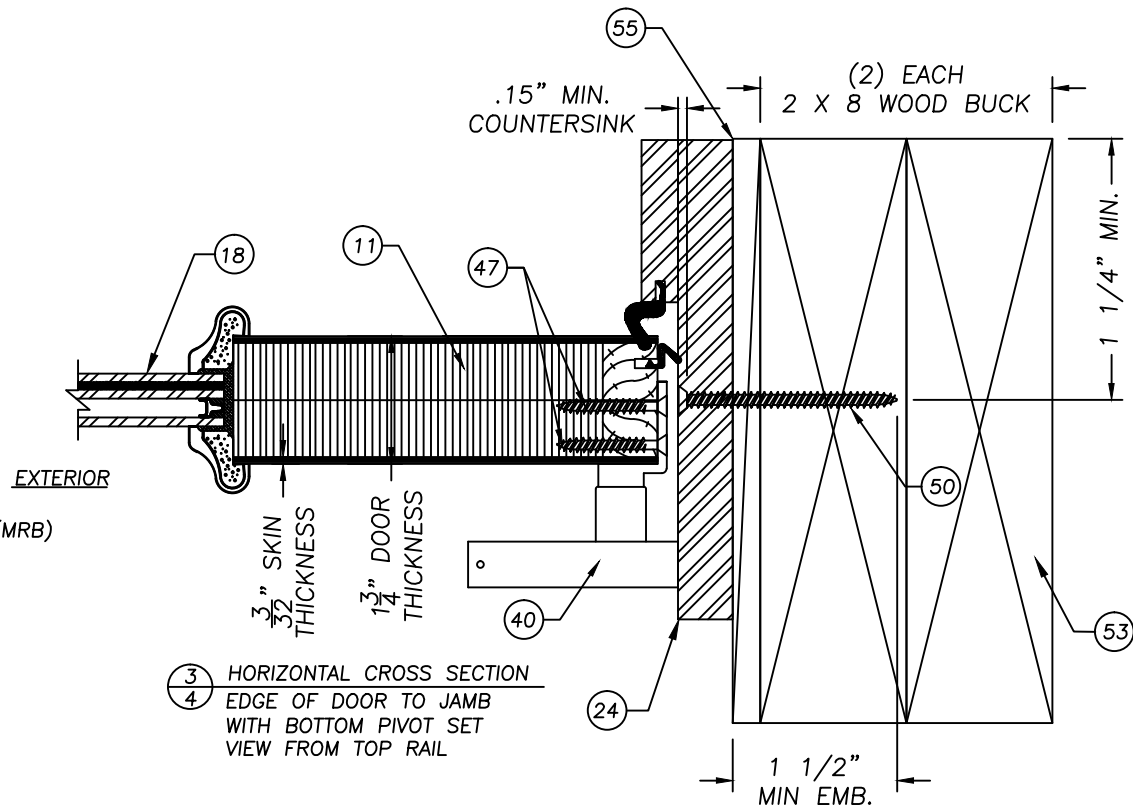
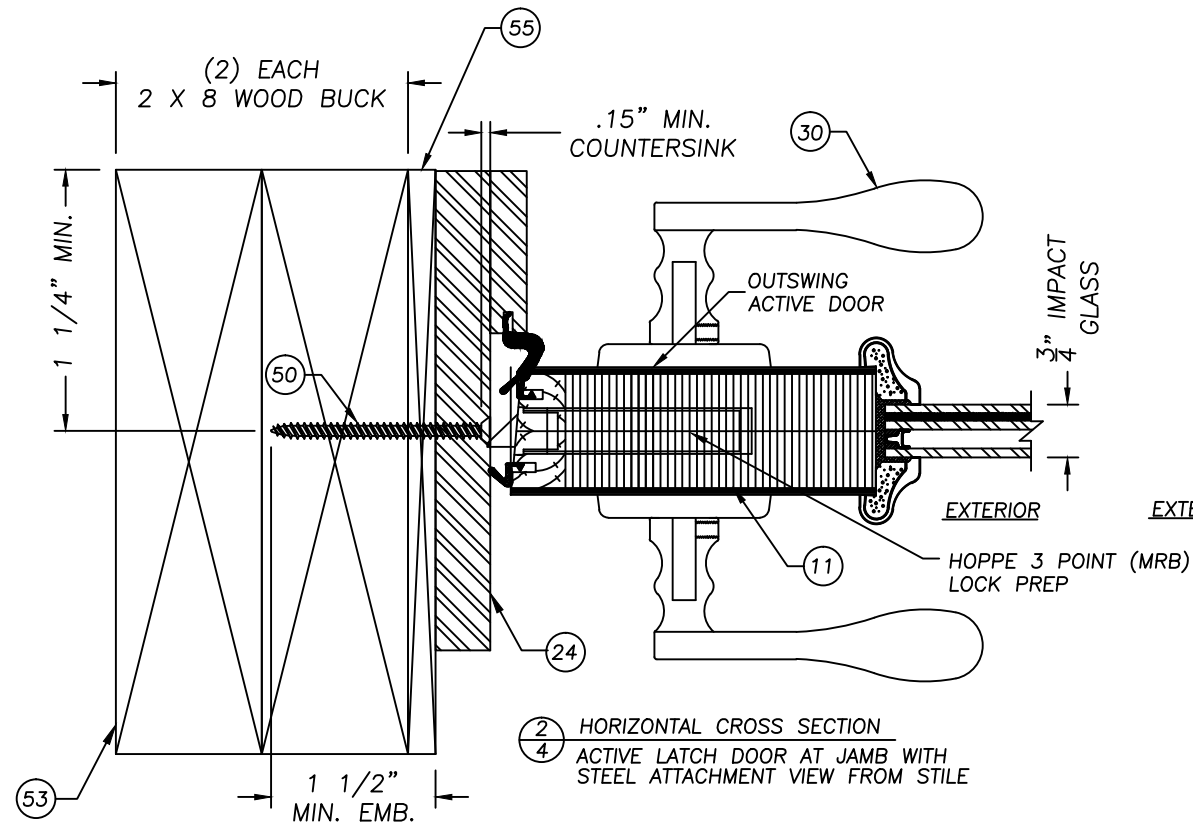
PART OR ASSEMBLY: TYPICAL ELEVATIONS
DOOR CROSS SECTIONS

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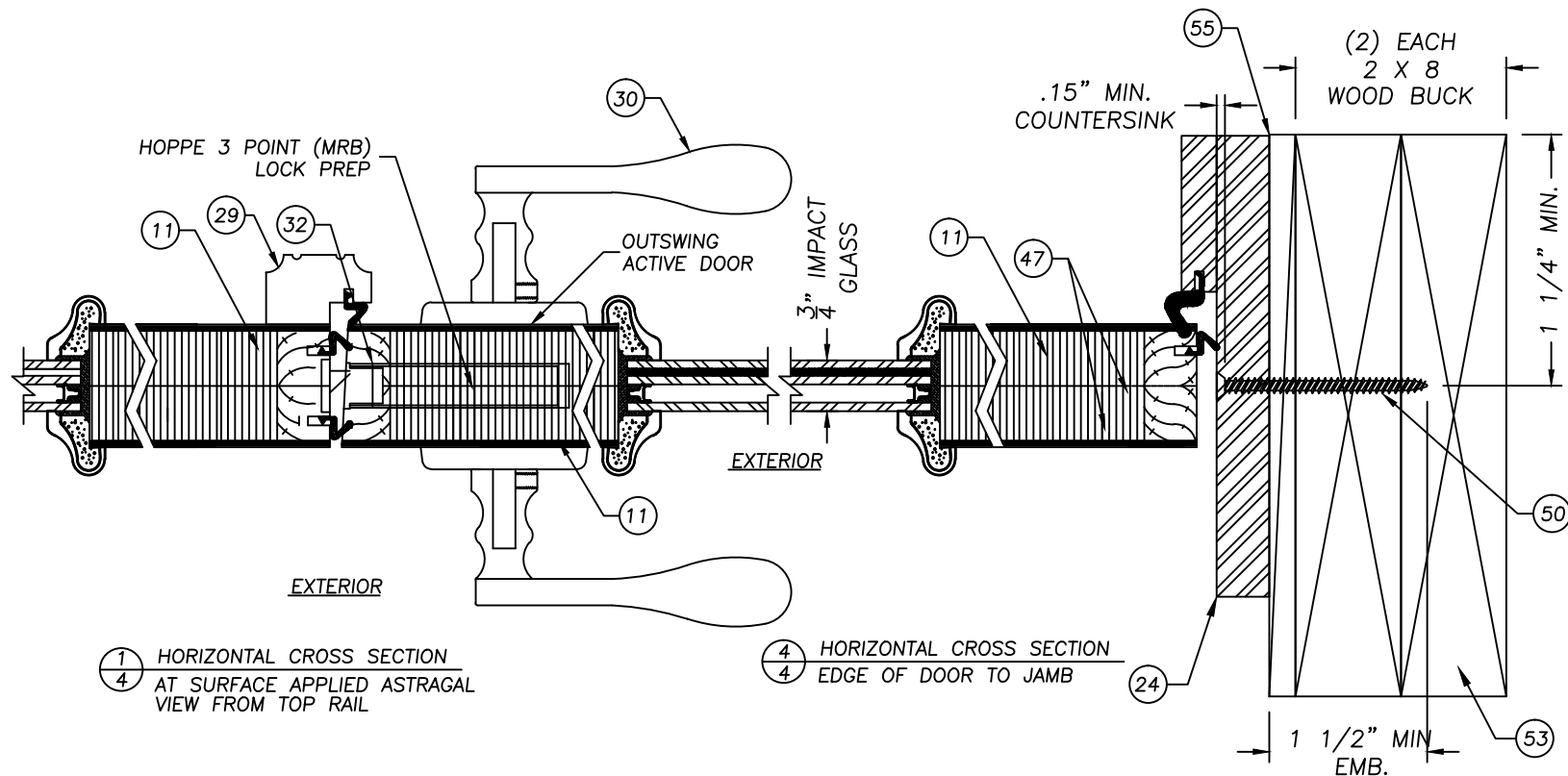
SHEET 2 OF 9



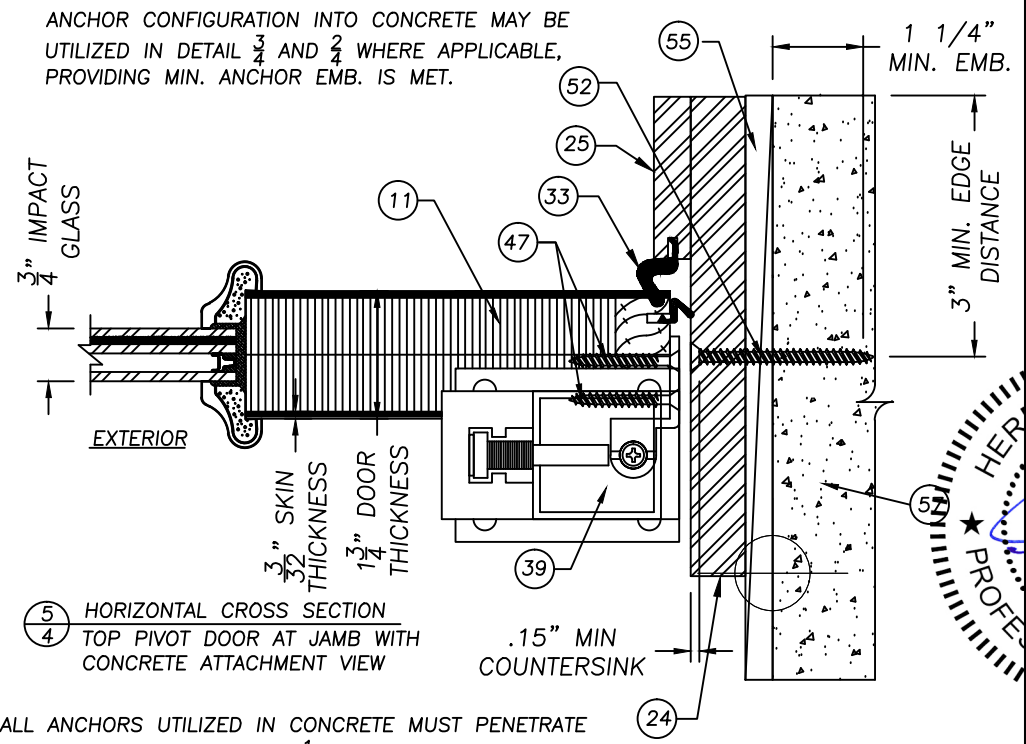
[illegible]



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



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



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

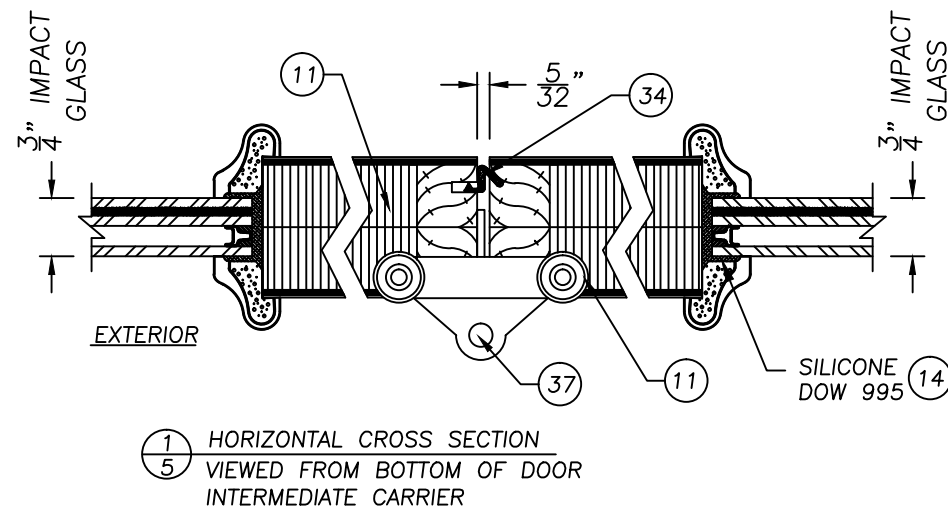
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

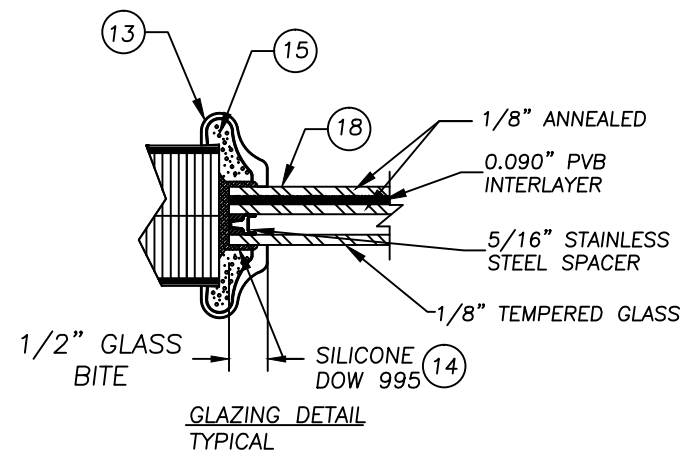
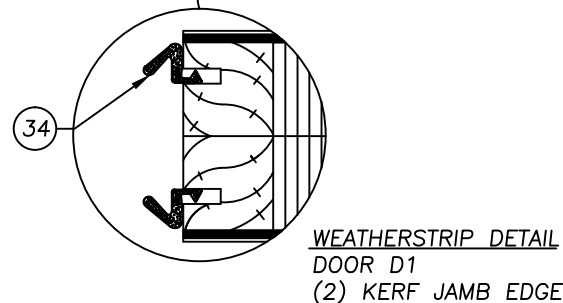
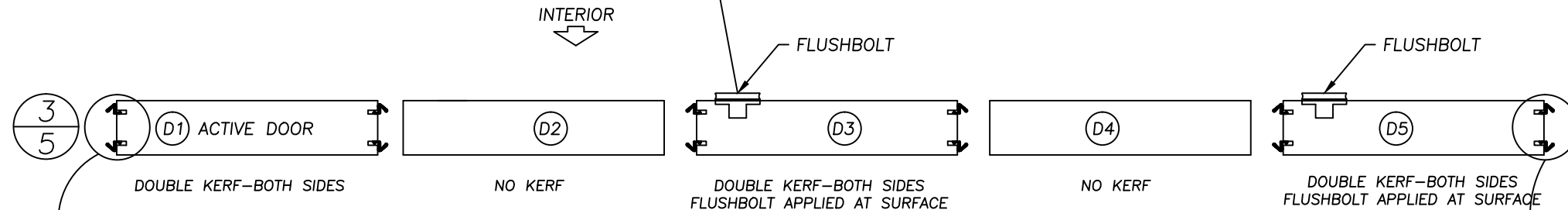
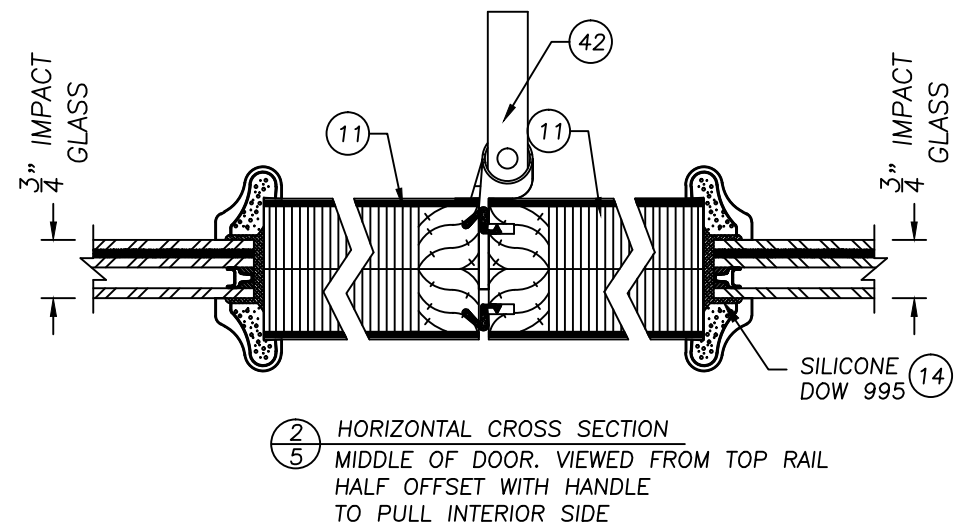
NO.	DATE	REVISIONS
3	7/14/14	REFORMAT
2	12/14/11	2010 CODE CHANGE
1	09/14/07	REMOVED #38
		BY

DATE: 07/12/07
SCALE: F.T.S.
DWC: B. AURORA
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FLORIDA P.E. NO. 12558
CITY OF MIAMI BEACH, FLORIDA
TYPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011515
SHEET 4 OF 9

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

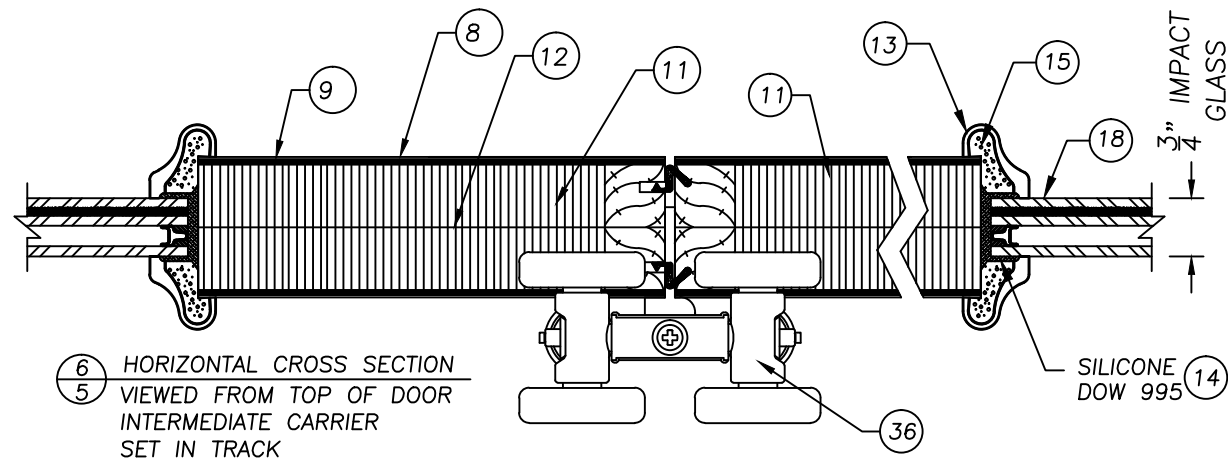
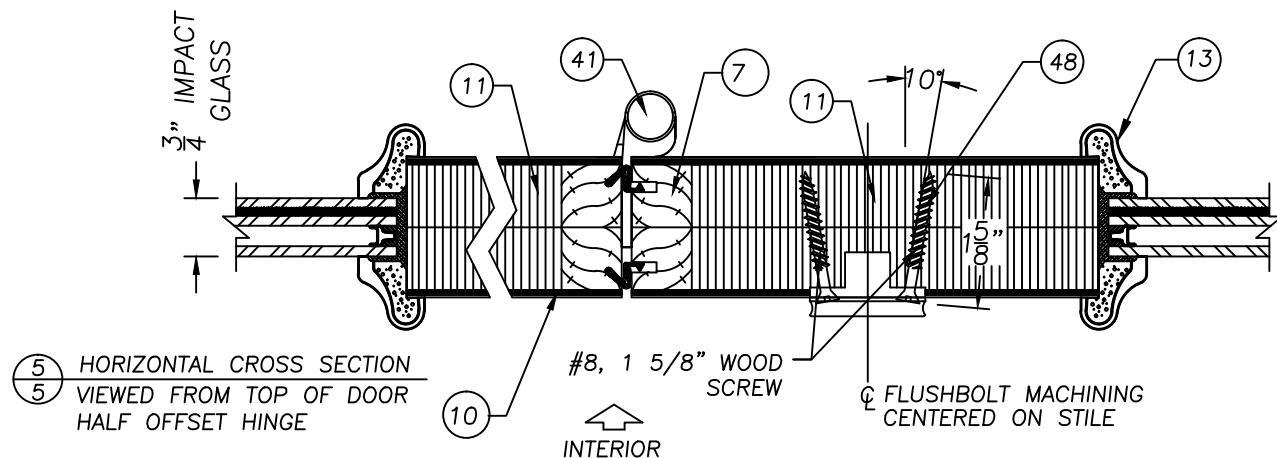


FLUSHBOLT MACHINING CENTERED ON STILE
FLUSHBOLTS ARE CENTERED ON STILE AT THE TOP & BOTTOM OF DOOR IN THE LOCATIONS INDICATED BELOW



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.

WEATHERSTRIP DETAIL
DOORS D1,D3,D5
HAVE (2) EDGE EACH KERFED FOR WEATHERSTRIP (2) PLACES



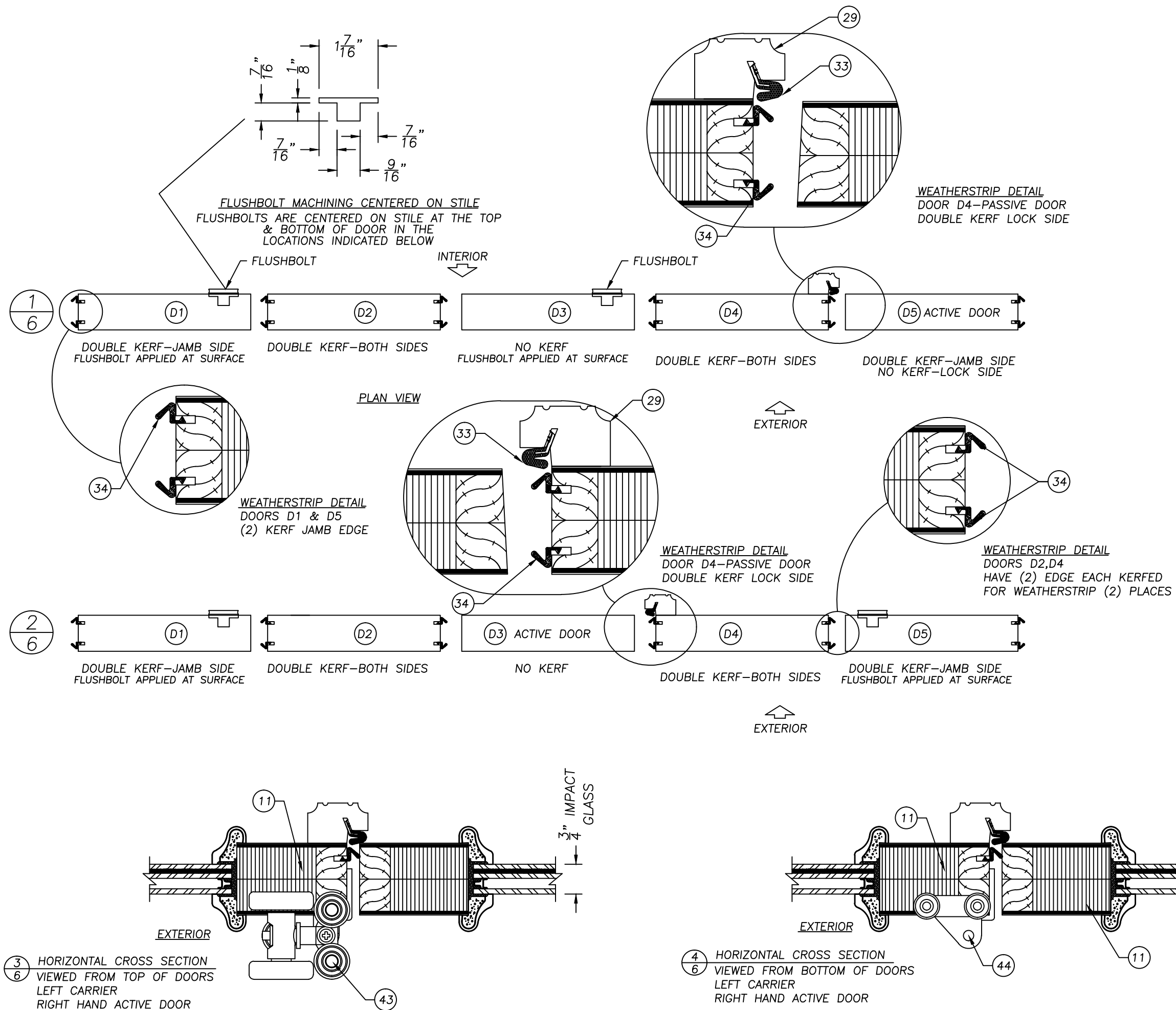
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
WEATHERSTRIPPING

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

DATE: 07/11/07
SCALE: F.T.S.
Dwg. BY: AURORA
No. 73778
STATE OF FLORIDA
HERMES ENGINEERING
FLORIDA P.E. NO. 12022
DANIA BEACH, FL 33024
F.P.S. CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011515
SHEET 5 OF 9

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:
 HORIZONTAL CROSS SECTIONS
 WEATHERSTRIPPING

DATE: 07/12/07

SEAL: FNTS

DWG. BY: AURORA

LICENSE NO.: 73778

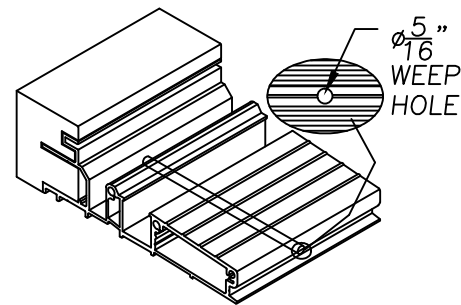
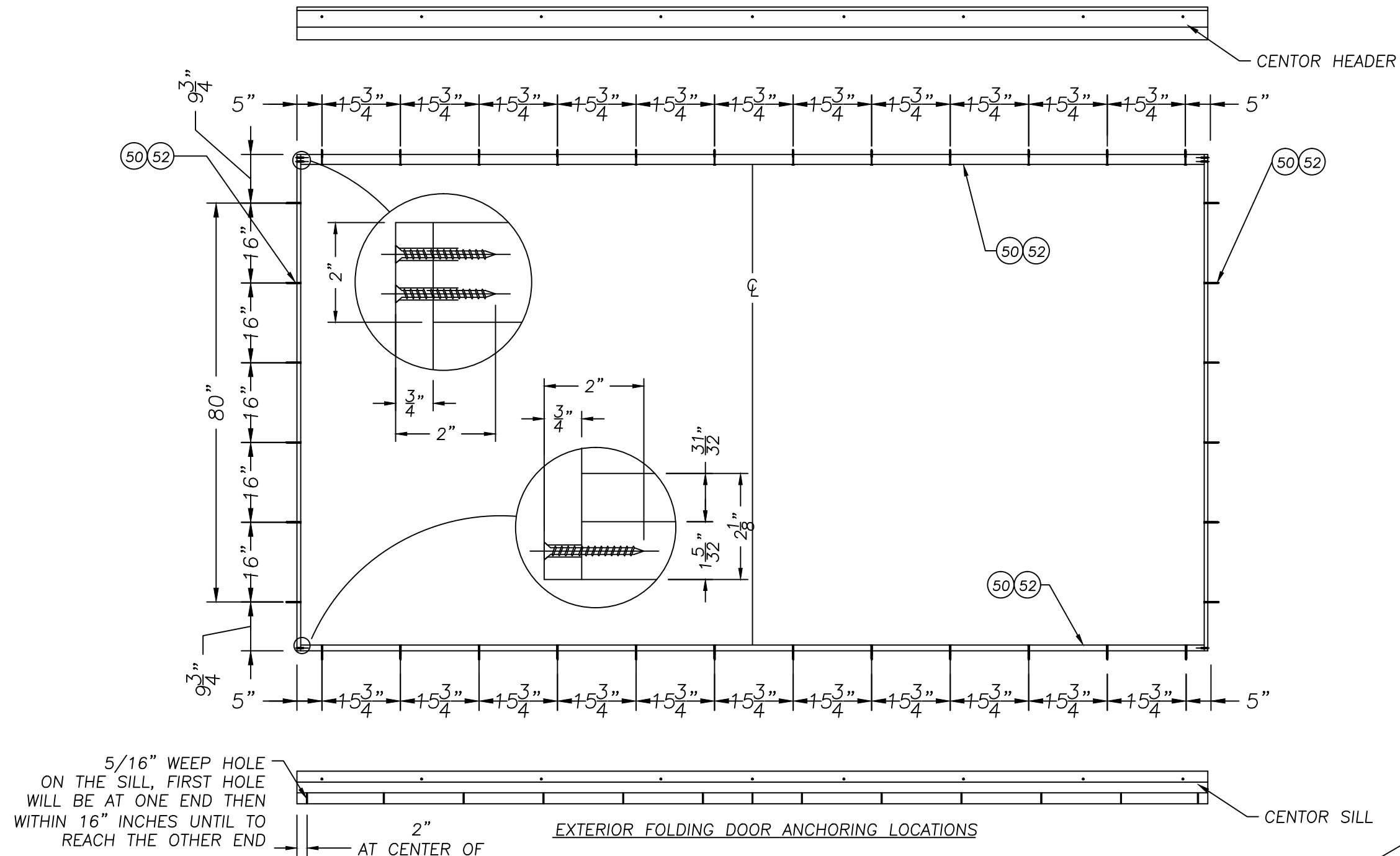
STATE OF: FLORIDA

PROFESSIONAL ENGINEER

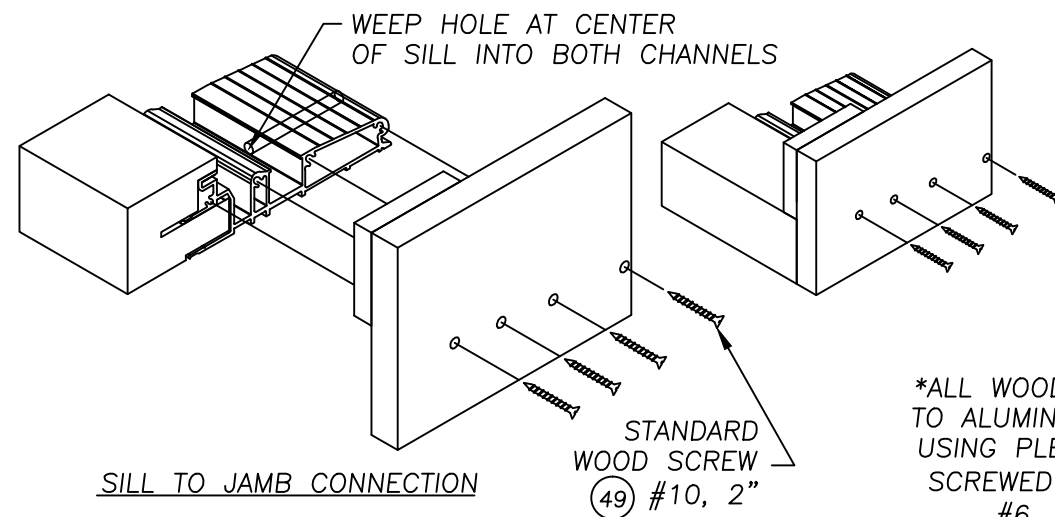
DRAWING NO.: A011515

SHEET 6 OF 9

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

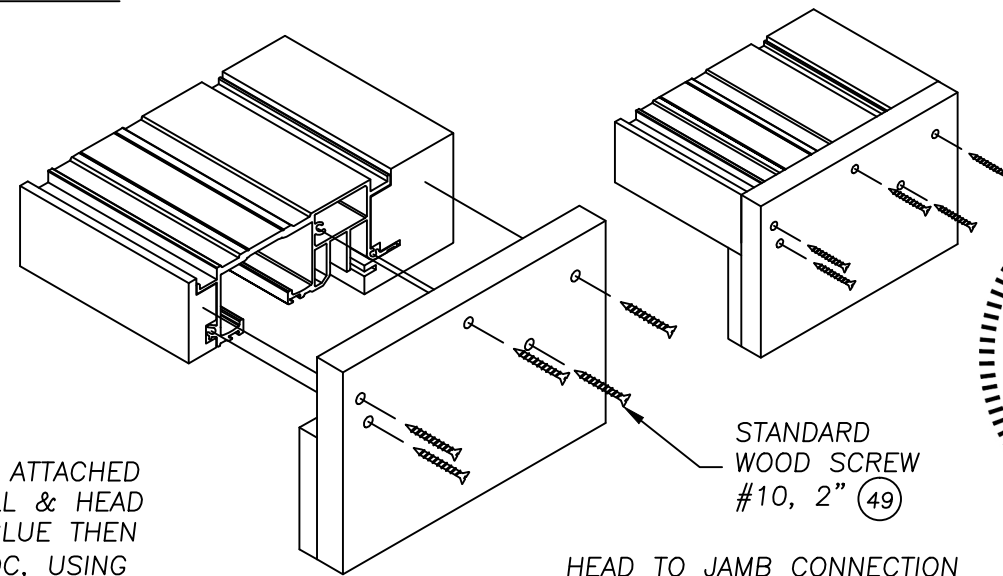


WEEP HOLE FROM CHANNELS
TO OUTSIDE OF SILL



SILL TO JAMB CONNECTION

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



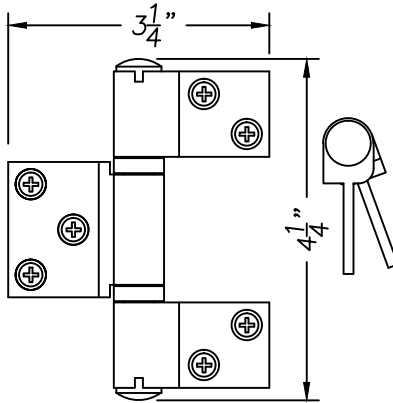
HEAD TO JAMB CONNECTION

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

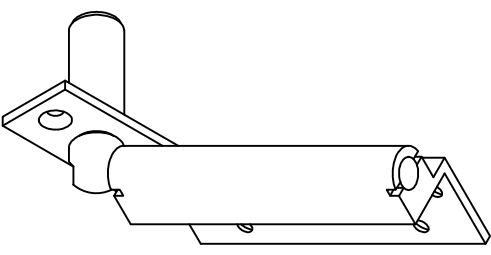
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM
PART OR ASSEMBLY:
ASSEMBLY DETAILS
ANCHORING LOCATIONS

NO.	DATE	REVISIONS
4	7/14/14	REFORMAT
3	12/14/11	2010 CODE CHANGE
2	5/13/08	ADDED 50 & 52
1	10/9/07	ADDED 51B
NO.	DATE	REVISIONS

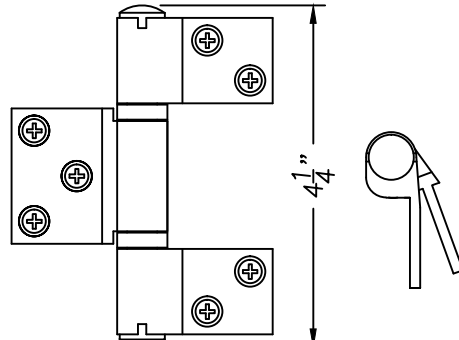
DATE: 07/12/07
SCALE: F1/16
DWG. BY: AURORA
No. 73778
STATE OF
FLORIDA
HERMES ENGINEERING
PROFESSIONAL ENGINEER
FLORIDA P.E. NO. 12028
FLORIDA SEAL NO. 12028
FLORIDA CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011515
SHEET 7 OF 9



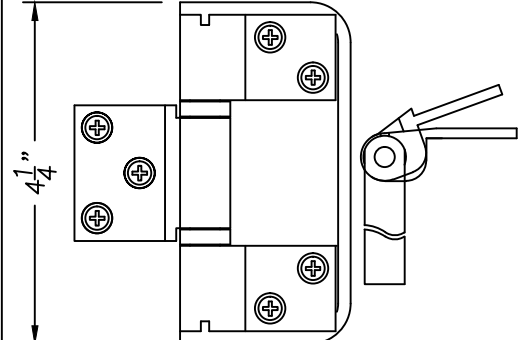
INTERMEDIATE STAINLESS STEEL HINGES FOR OUTSWING DOORS (47) #10, 1 1/2 ALL SCREWS IN HINGES



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



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

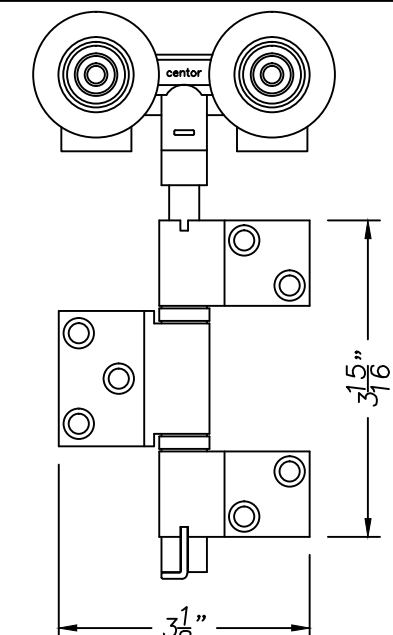


COMPRESSION WEATHER-STRIP Q-LON 350 34

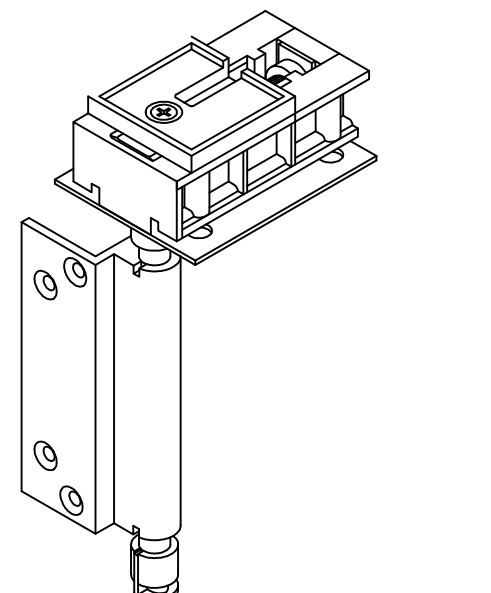
COMPRESSION WEATHER-STRIP QEZ 447-2 58

COMPRESSION WEATHER-STRIP Q-LON QDS 650 33

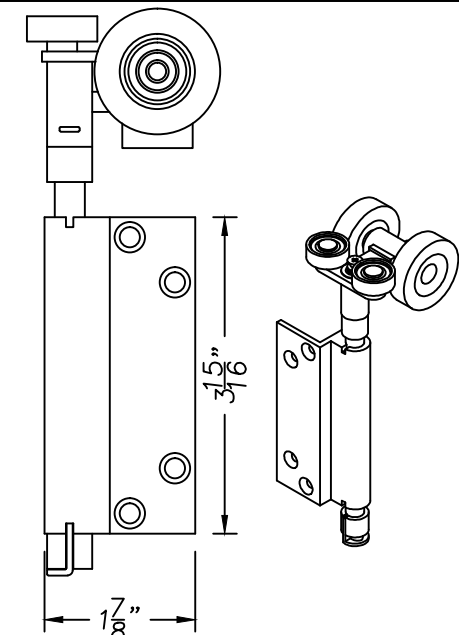
.435 T-SLOT PILE SWEEP KT369 59



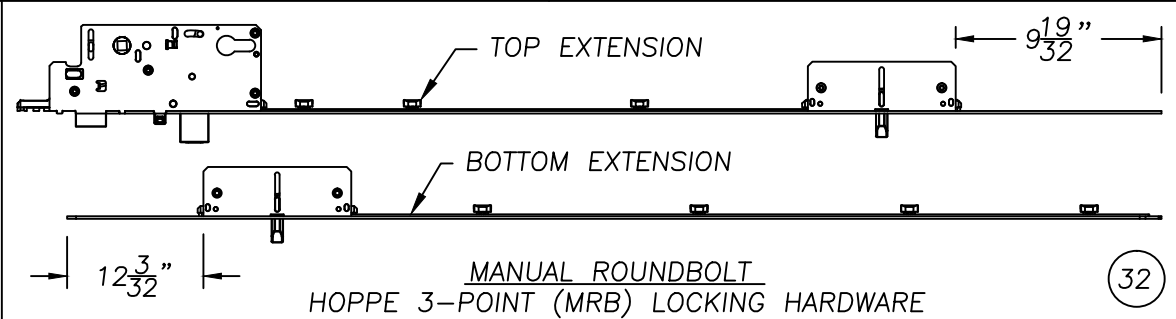
INTERMEDIATE SS SET CONCEALED TOP CARRIER (47) #10, 1 1/2 ALL SCREWS IN HINGES



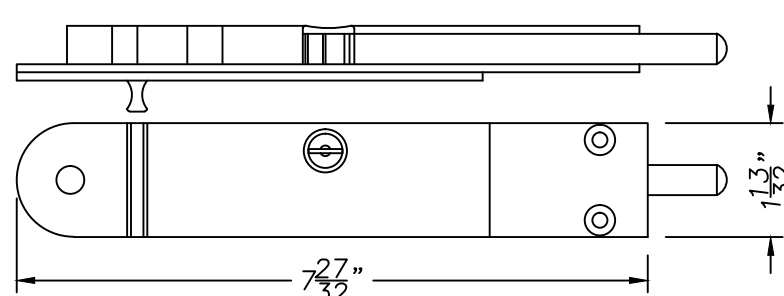
SS TOP PIVOT SET HEAD/DOOR MOUNTED (47) #10, 1 1/2 ALL SCREWS IN HINGES



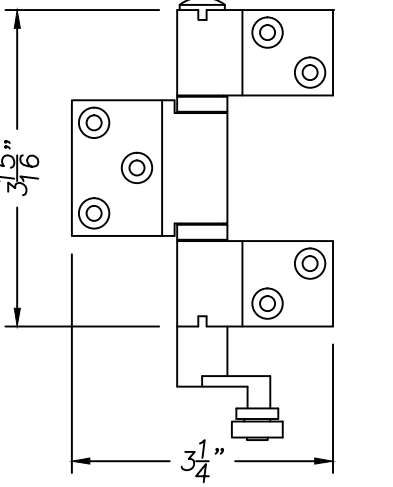
LEFT & RIGHT SS SET CONCEALED TOP CARRIER (47) #10, 1 1/2 ALL SCREWS IN HINGES



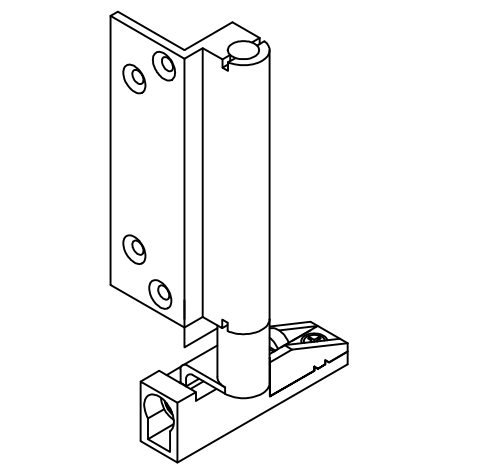
MANUAL ROUND BOLT HOPPE 3-POINT (MRB) LOCKING HARDWARE



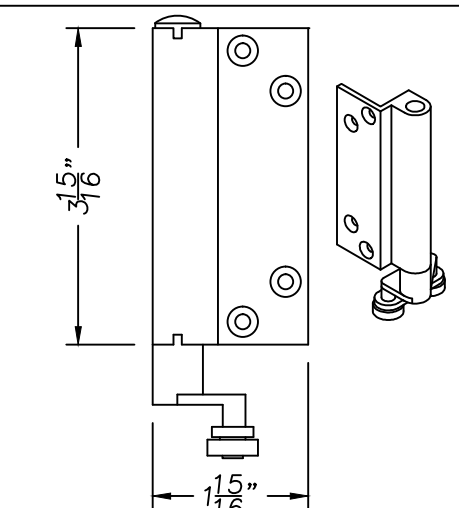
LOCKING FLUSHBOLT STAINLESS STEEL ATTACH ON DOOR STILE (16" FLUSHBOLT ON TOP) INTERIOR SIDE ONLY (48) #8, 1 5/8" SCREW



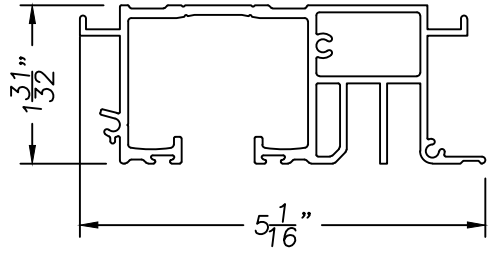
INTERMEDIATE SS SET CONCEALED BOTTOM CARRIER (47) #10, 1 1/2 ALL SCREWS IN HINGES



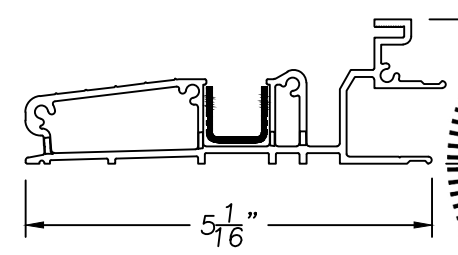
SS BOTTOM PIVOT SET SILL/DOOR MOUNTED (47) #10, 1 1/2 ALL SCREWS IN HINGES



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



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



CENTOR ALUMINUM SILL EXTRUSION ATTACH TO WOOD COMPONENTS FOR COMPLETE THRESHOLD

PRODUCT: IMPACT AURORA CUSTOM FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY: HARDWARE DETAILS

REVISIONS

DATE: 07/12/07

DESIGN: FNTS

DWG. BY: AURORA

LICENSE NO. 73778

STATE OF FLORIDA

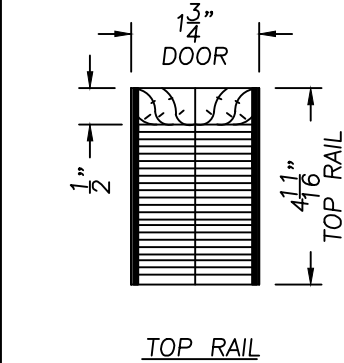
PROFESSIONAL ENGINEER

DRAWING NO.: A011515

SHEET 8 OF 9

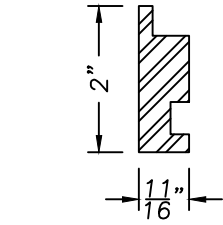
BILL OF MATERIALS

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
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	



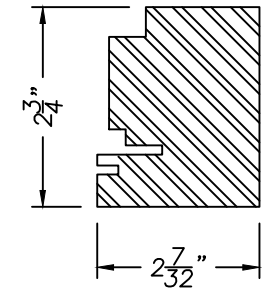
TOP RAIL

16



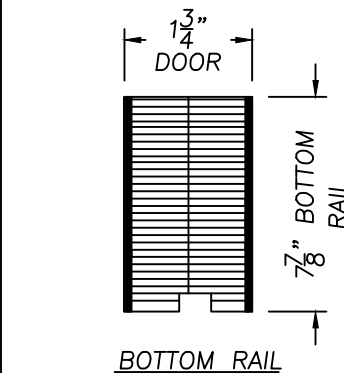
EXTERIOR HEAD TRIM

26



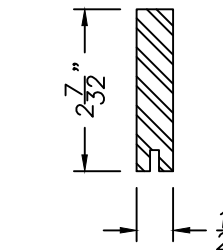
INTERIOR HEAD TRIM

27



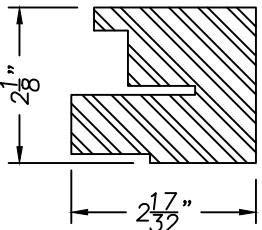
BOTTOM RAIL

17



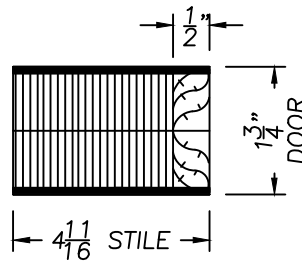
JAMB STOP

25



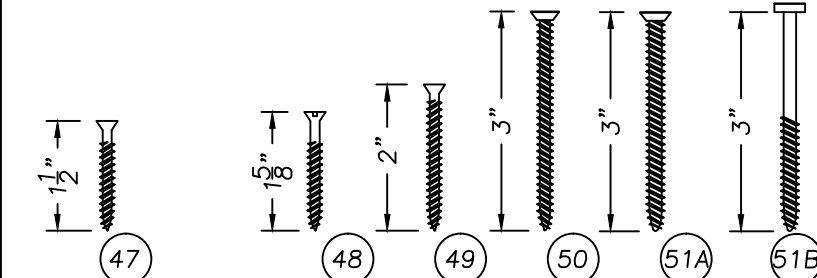
INTERIOR SILL TRIM

28

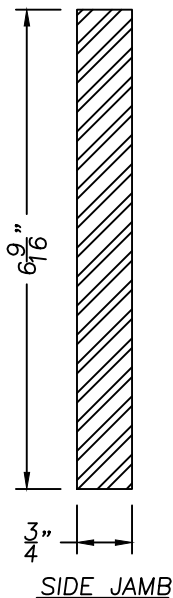


STILE

11



SCREW 21 PACK #10
ATTACH IN ALL HINGES



SIDE JAMB

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	IWP	

DATE: 07/12/07
SCALE: F.T.S.
DWG. NO.: 73778
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. INOERO
FLORIDA P.E. NO. 12022
DANIA BEACH, FL 33018
FIVE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:

A011515
SHEET 9 OF 9