

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.

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SHEET NUMBER	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
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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

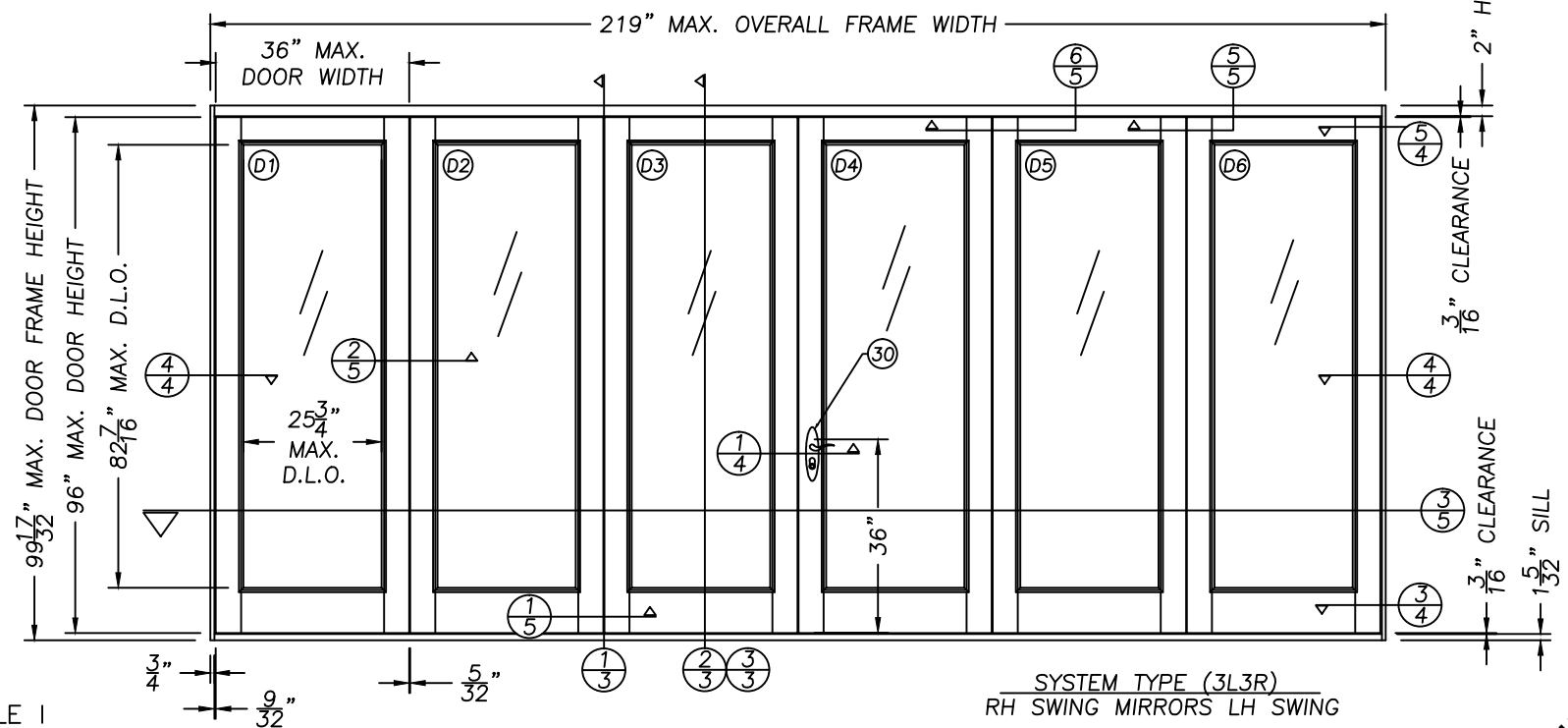
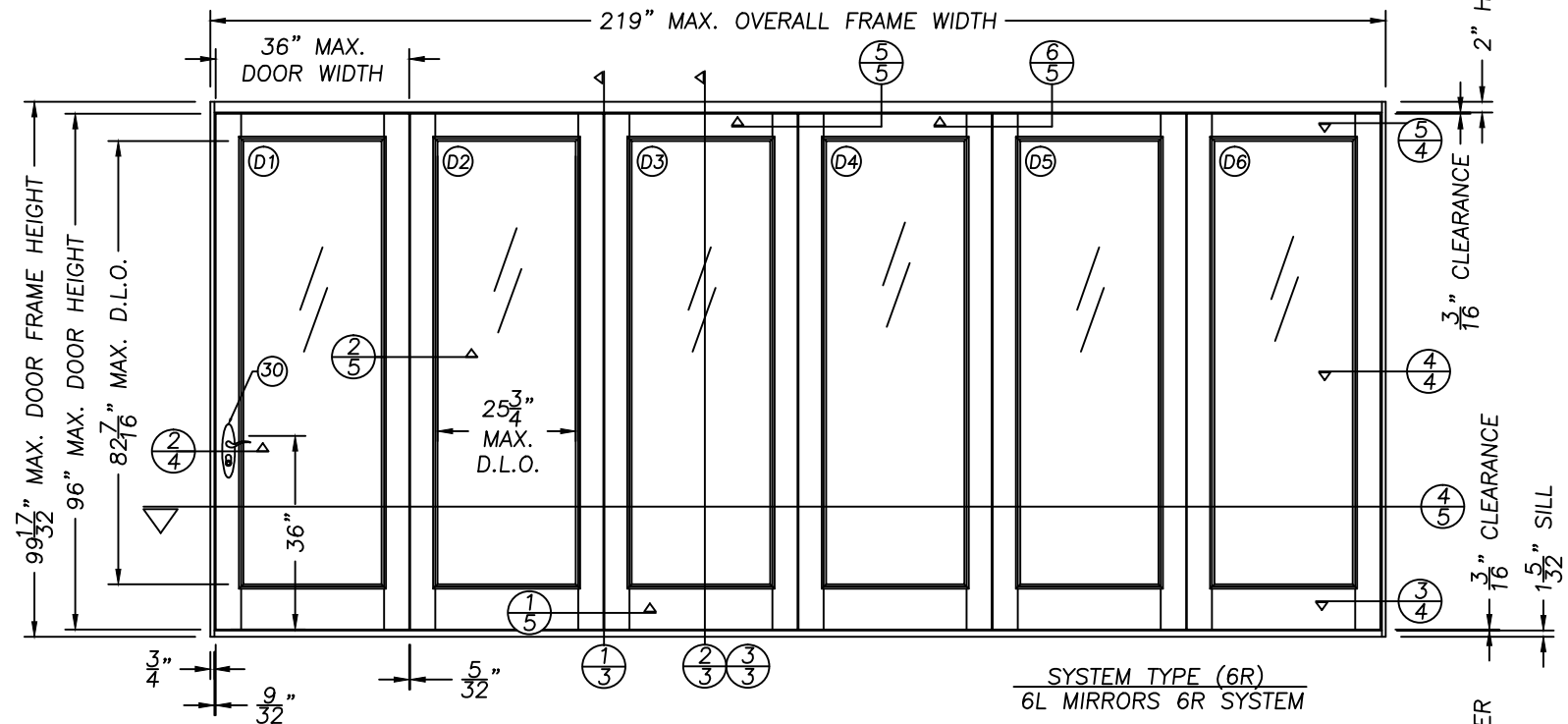


TABLE I

MULTI-FOLDING DOOR	
TESTED FOR AIR & WATER INFILTRATION	
TESTED FOR IMPACT	
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.

NOTE: (3/5) = SYSTEM TESTED

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 11:27:41 -04'00'

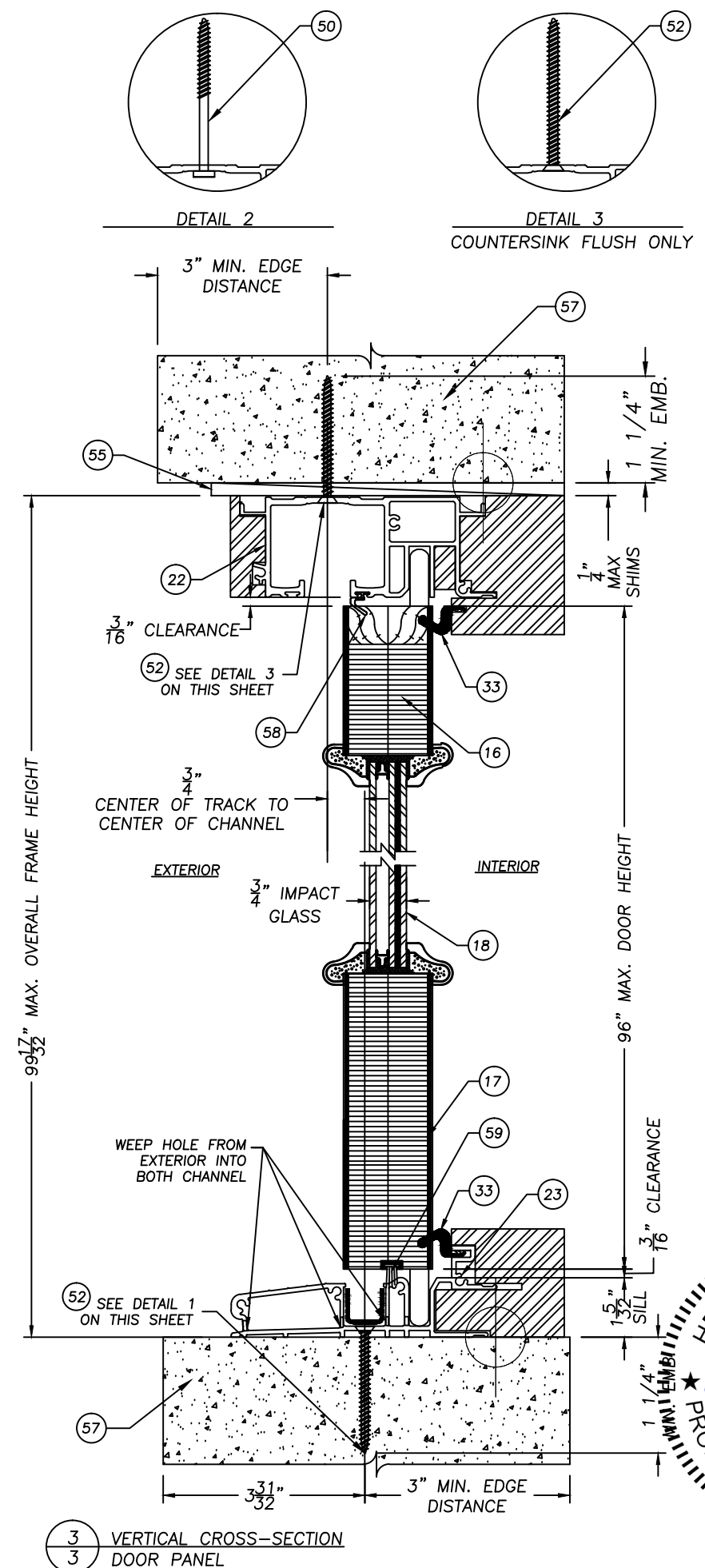
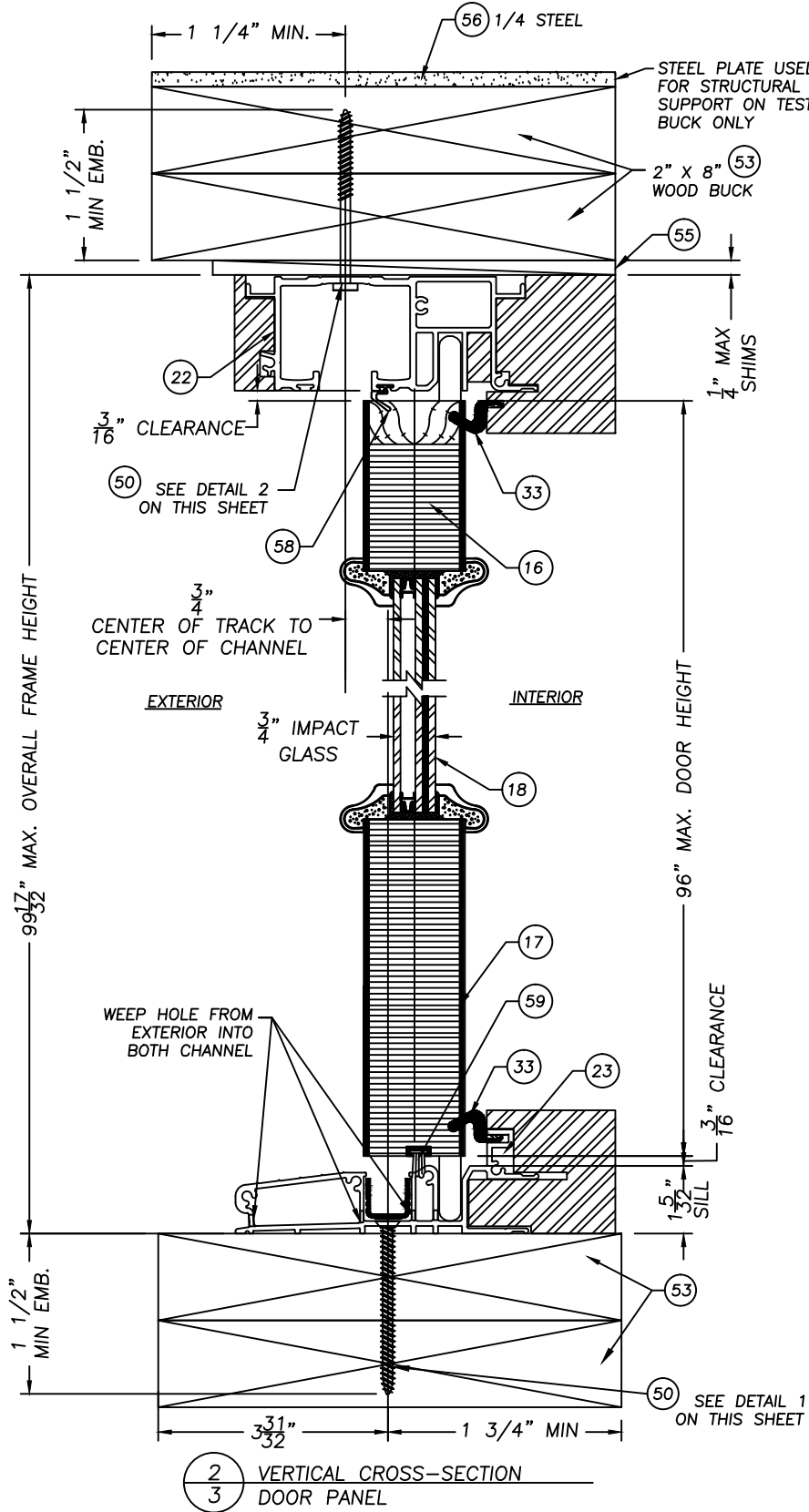
JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
TYPICAL ELEVATIONS
GENERAL NOTES

GL	REFORMAT	2010 CODE CHANGE	JLA	EAG	IWP	BY
4	7/14/14	11	11	1	1	
3	12/14/11	11	11	1	1	
2	5/12/08	1	1	1	1	
1	09/14/07	1	1	1	1	
NO.	DATE	REVISIONS				

DATE: 2014.08.02
SCALE: F.T.S.
DWG. BY: JLD
No. 73778
STATE OF FLORIDA
HERMES F. NORERO
P.E. NO. 12478
FLORIDA P.E. NO. 12478
FIBERGLASS FOLDING DOOR SYSTEM
DRAWING NO.:
A011518
SHEET 1 OF 9

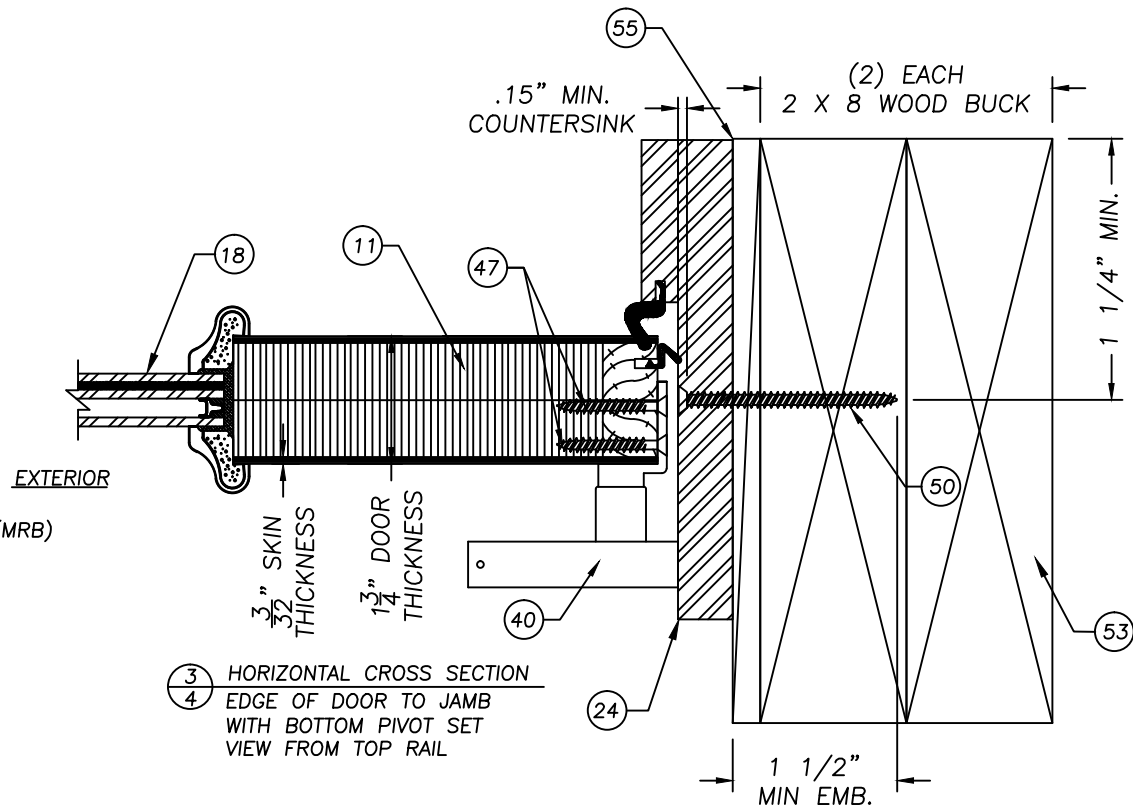
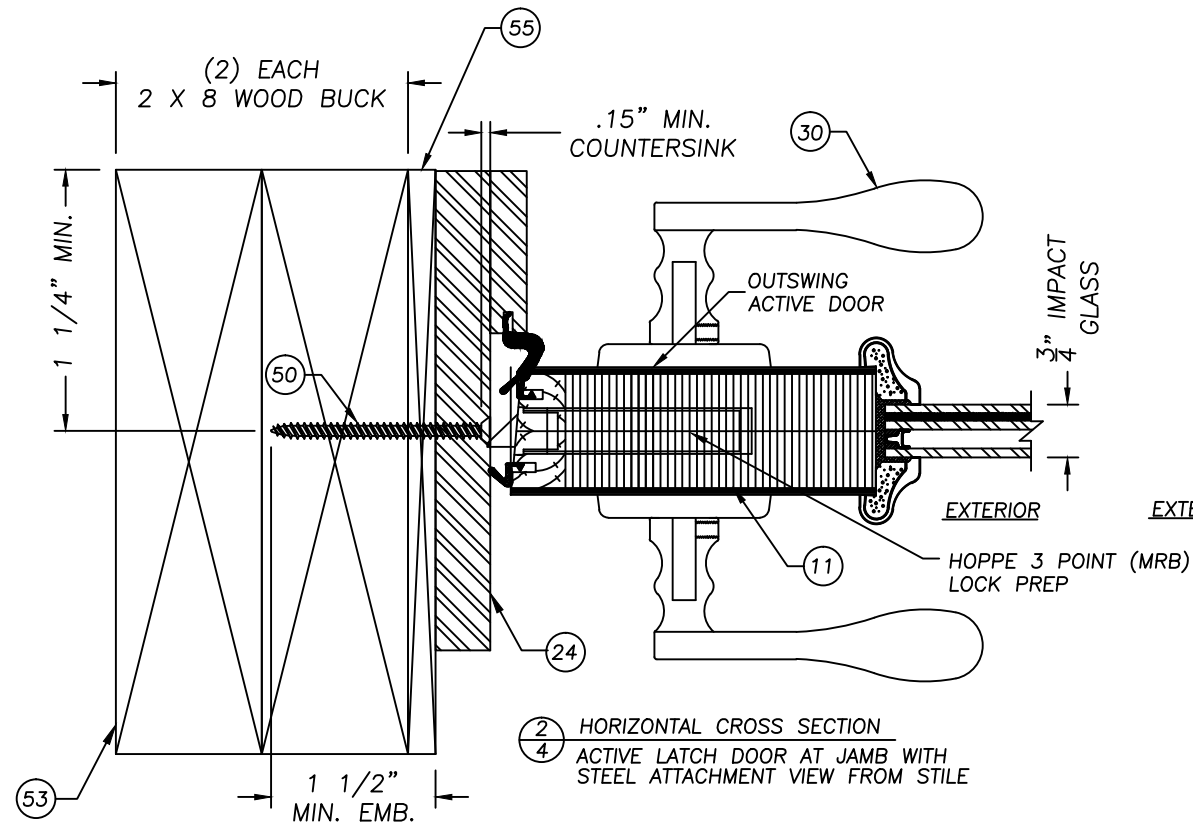


PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

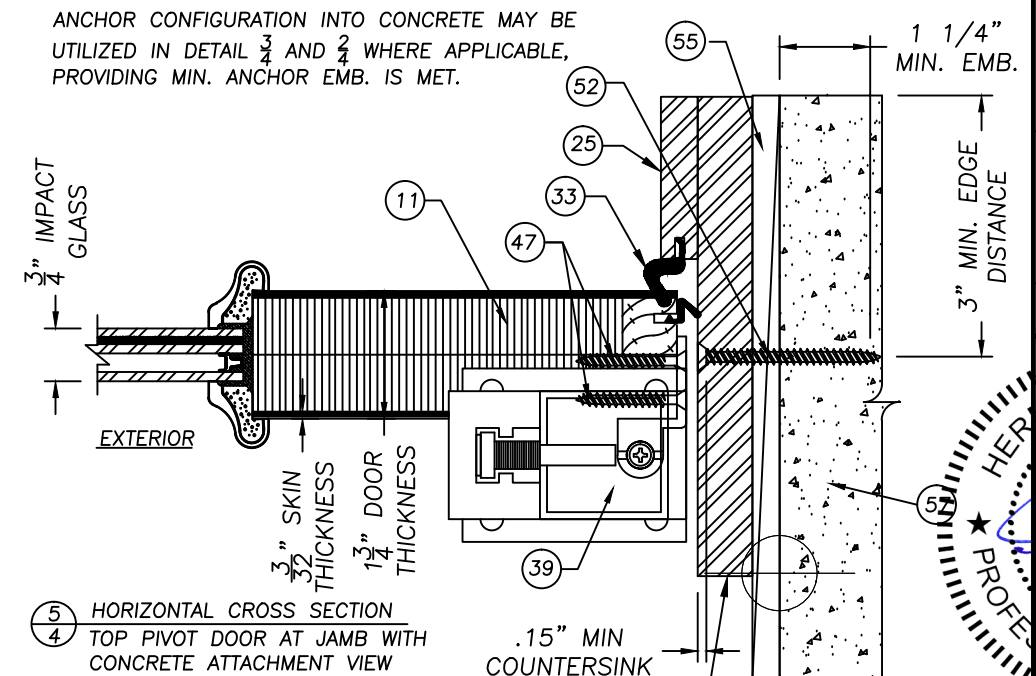
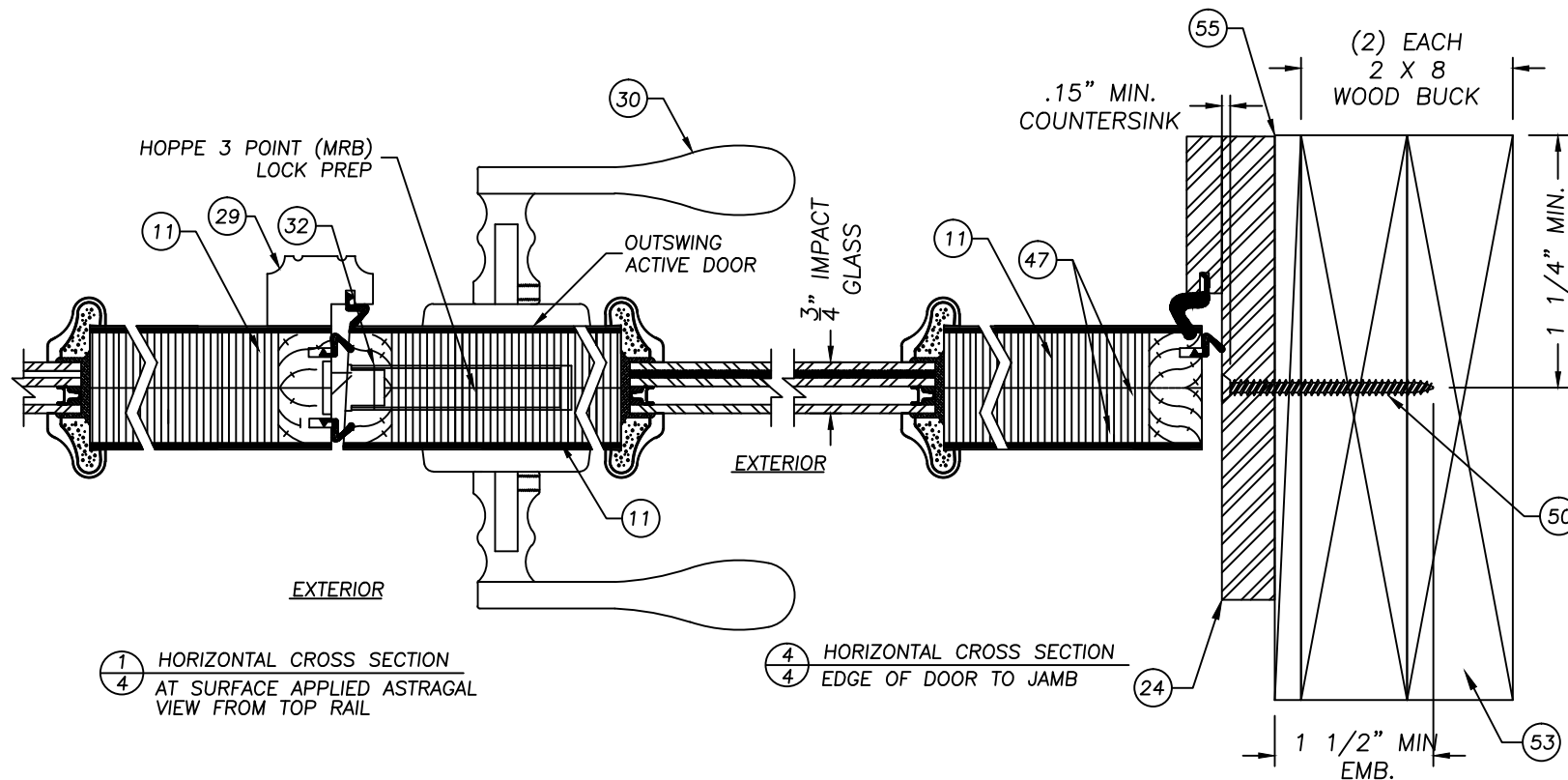
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
OPENING ATTACHMENT

3	7/14/14					REFORMAT		GL	
2	12/14/11					2010 CODE CHANGE	JUL		
1	09/14/07					REV SCREWS	IWP		
NO.	DATE						BY		
						REVISIONS			

DATE: 07/12/07
SCALE: FT/TS
DRAWN BY: AUFORP
LICENS
No. 73778
STATE OF
FLORIDA
REGISTERED PROFESSIONAL ENGINEER
HERMILDO RODERO
FLORIDA P.E. NO. 73778
1000 DANIA BEACH BLVD., STE. 200
DANIA BEACH, FL 33026
PASS. CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011518
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 1/2". ADDITIONAL 1X OR 2X MAY BE
PLACED BETWEEN SHIM AND CONCRETE.

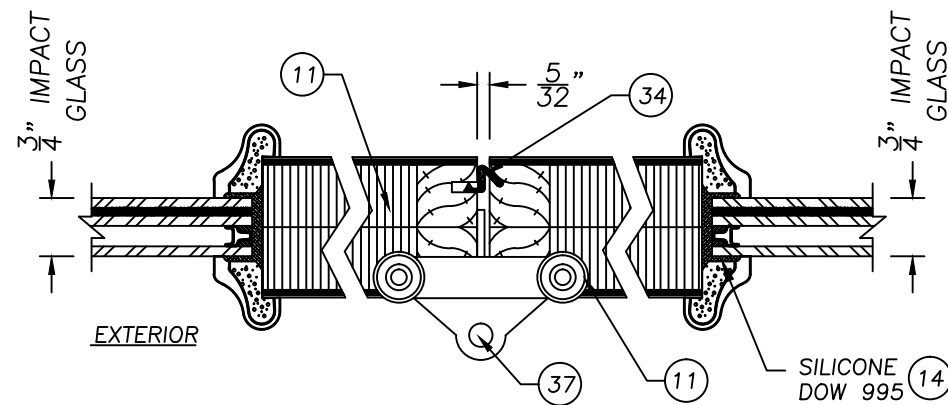
PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

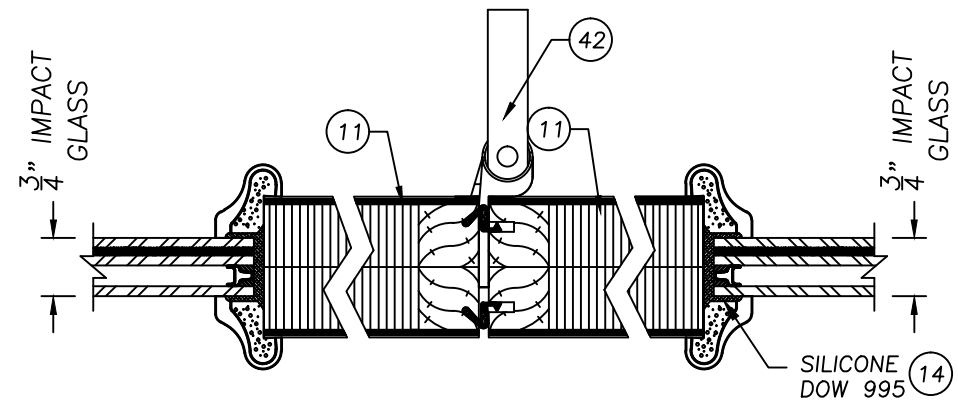
DATE: 07/12/07
SCALE: F.T.S.
DWG. BY: AURORA
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERNANDEZ
FLORIDA P.E. NO. 12345
NO. 73778
DRAWING NO.:
A011518
SHEET 4 OF 9

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

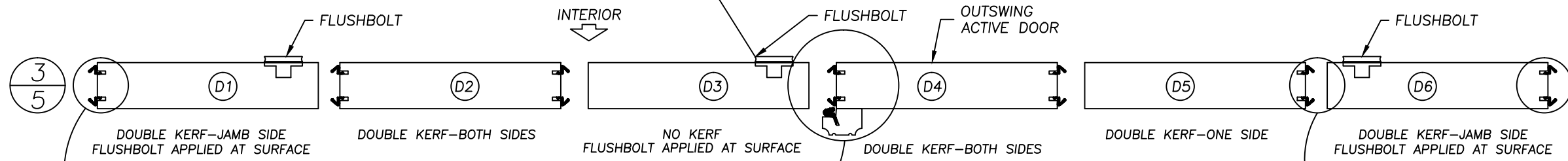


① HORIZONTAL CROSS SECTION
⑤ VIEWED FROM BOTTOM OF DOOR
INTERMEDIATE CARRIER

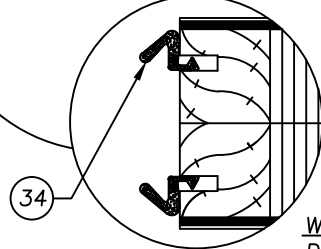
FLUSHBOLT MACHINING CENTERED ON STILE
FLUSHBOLTS ARE CENTERED ON STILE AT THE TOP
& BOTTOM OF DOOR IN THE
LOCATIONS INDICATED BELOW



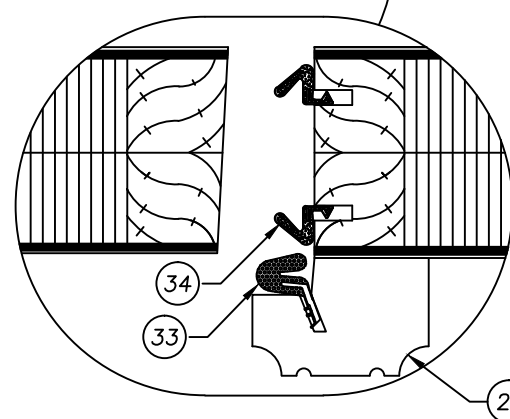
② HORIZONTAL CROSS SECTION
⑤ MIDDLE OF DOOR. VIEWED FROM TOP RAIL
HALF OFFSET WITH HANDLE
TO PULL INTERIOR SIDE



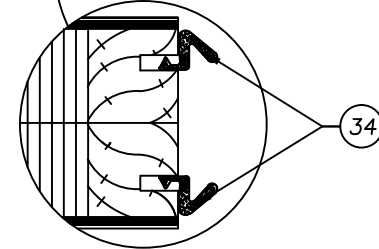
PLAN VIEW



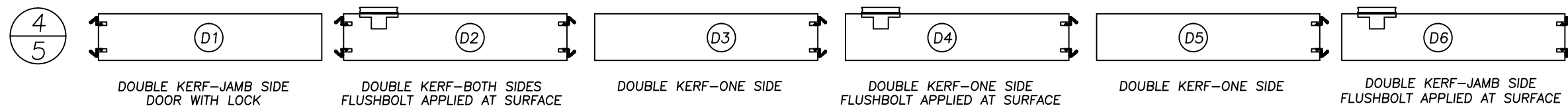
WEATHERSTRIP DETAIL
DOORS D1 & D6
(2) KERF JAMB EDGE



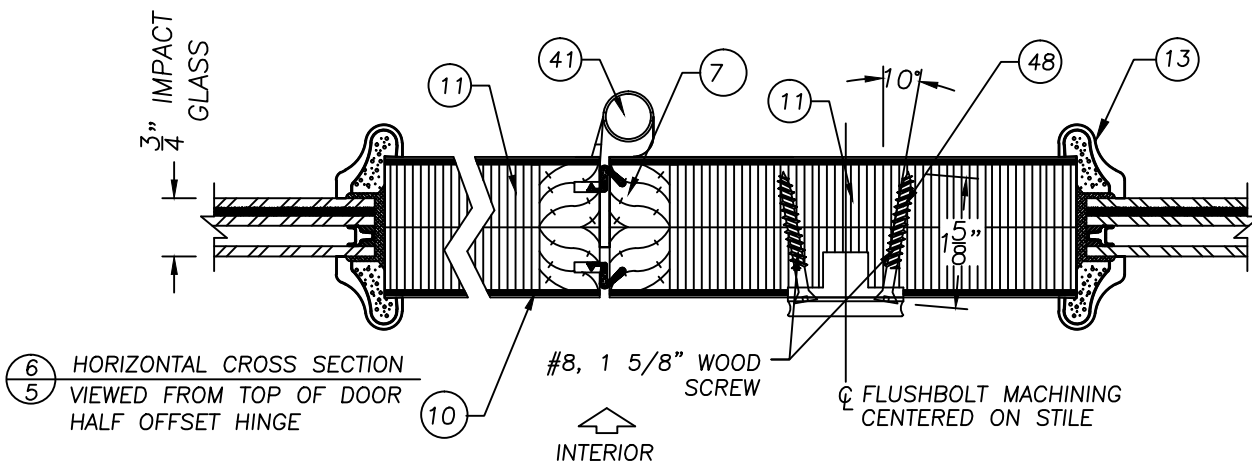
WEATHERSTRIP DETAIL
DOOR D4-ACTIVE DOOR



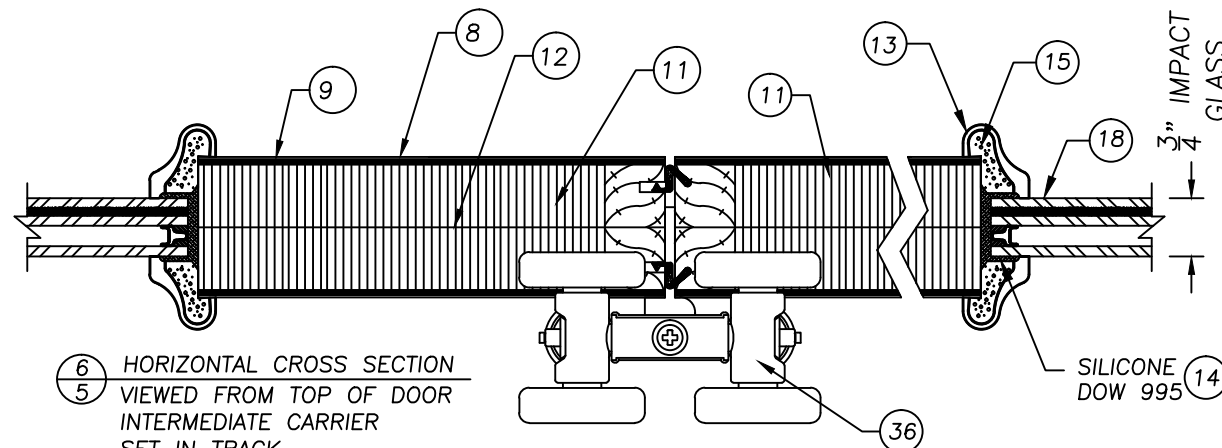
WEATHERSTRIP DETAIL
DOORS D1,D3,D4,D5,D6
HAVE (1) EDGES EACH KERFED
FOR WEATHERSTRIP (2) PLACES



EXTERIOR



⑥ HORIZONTAL CROSS SECTION
⑤ VIEWED FROM TOP OF DOOR
HALF OFFSET HINGE



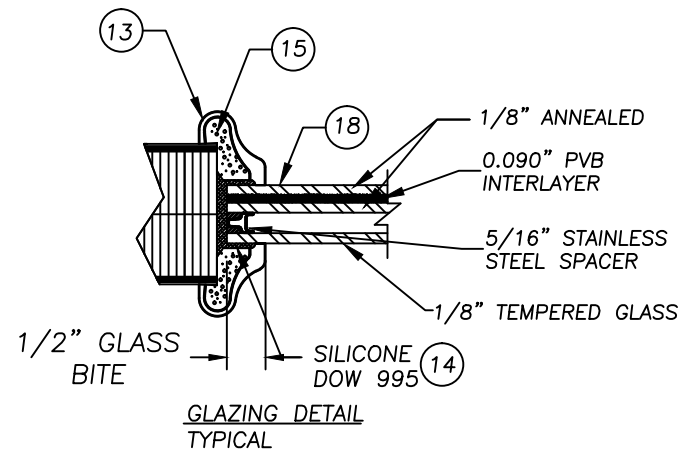
⑥ HORIZONTAL CROSS SECTION
⑤ VIEWED FROM TOP OF DOOR
INTERMEDIATE CARRIER
SET IN TRACK

PRODUCT:
IMPACT AURORA CUSTOM
FIBERGLASS FOLDING DOOR SYSTEM
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
WEATHERSTRIPPING

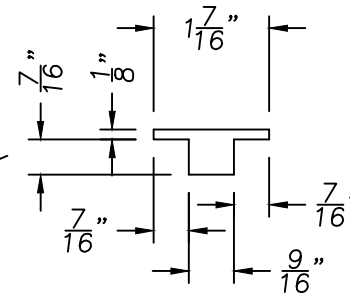
NO.	DATE	REVISIONS
2	7/14/14	REFORMAT
1	12/14/11	CODE CHANGE
1	12/14/11	BY

DATE: 07/11/07
SCALE: F.T.S.
Dwg. BY: AURORA
No. 73778
STATE OF
FLORIDA
HERMES M. ORERO
FLORIDA P.E. NO. 10000
DANIA BEACH, FL 33004
TYPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011518
SHEET 5 OF 9

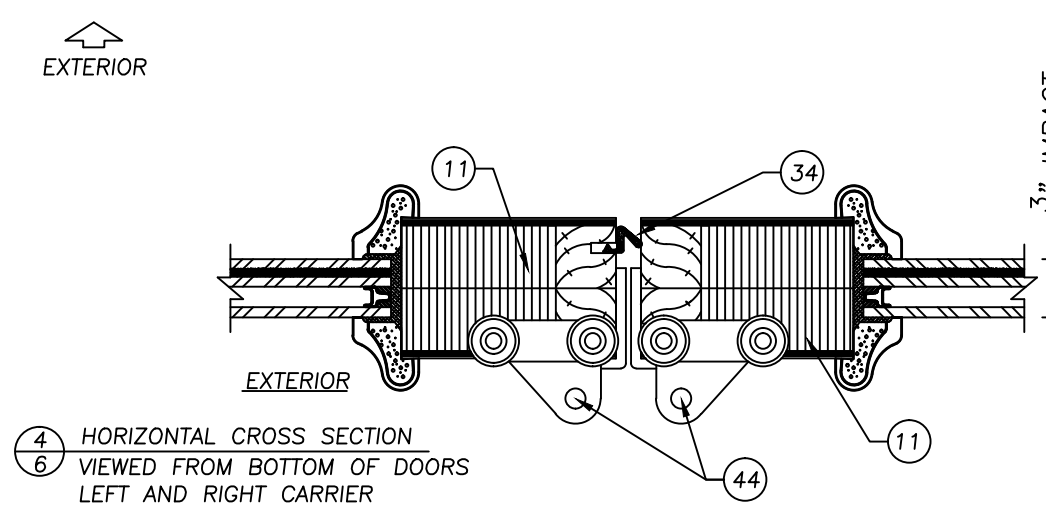
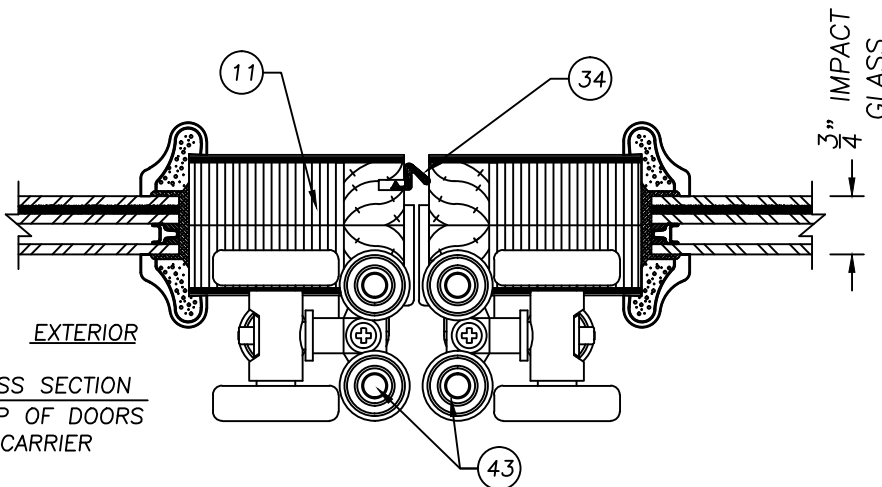
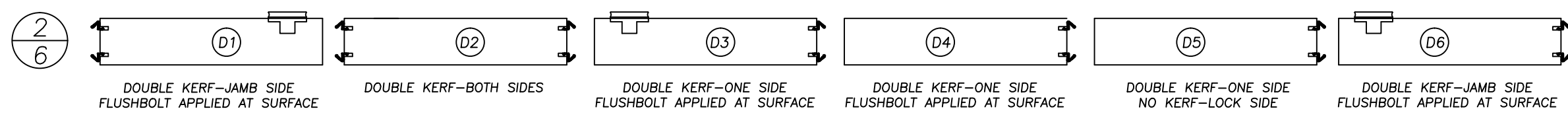
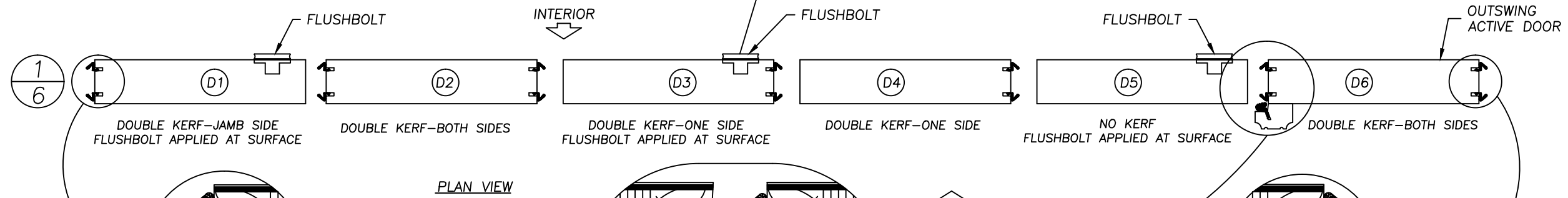
JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451



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.



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

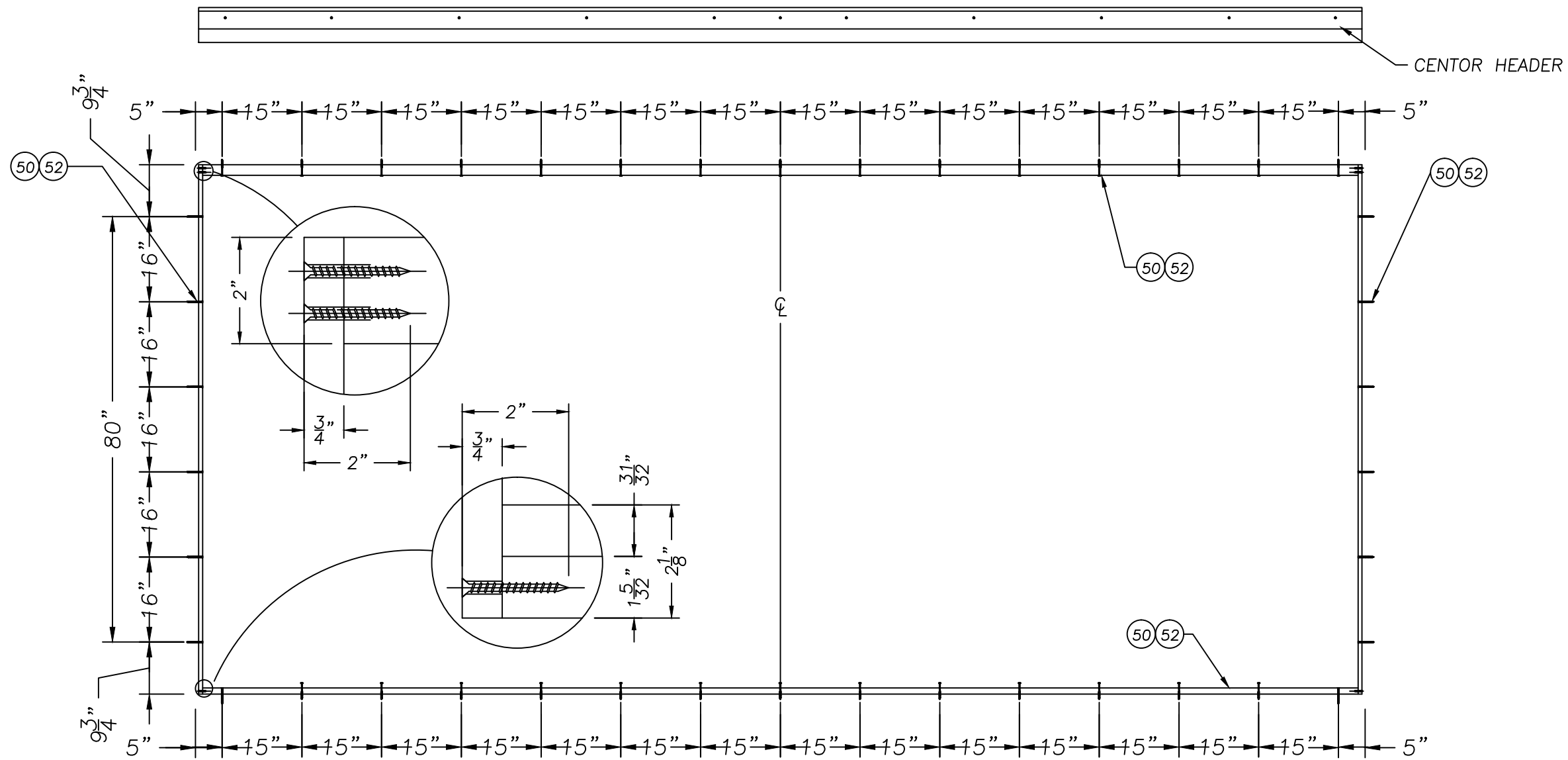


JELD-WEN, INC.
3737 LAKEPORT BLVD.
KLAMATH FALLS, OR 97601
PH. 541.882.3451

PRODUCT: IMPACT AURORA CUSTOM FIBERGLASS FOLDING DOOR SYSTEM
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS WEATHERSTRIPPING

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

DATE: 07/11/07
DESIGN: FNTS
DWG. BY: AURORA
No. 73778
STATE OF FLORIDA
HERMES ENGINEERING
DANIELA BEACH, FL 33404
TYPE CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.: A011518
SHEET 6 OF 9



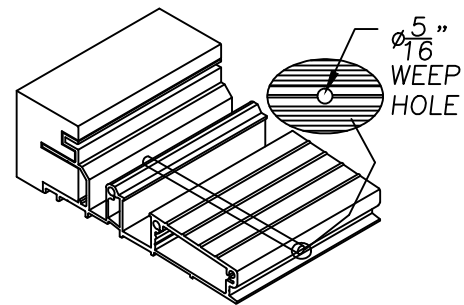
CENTOR HEADER

CENTOR SILL

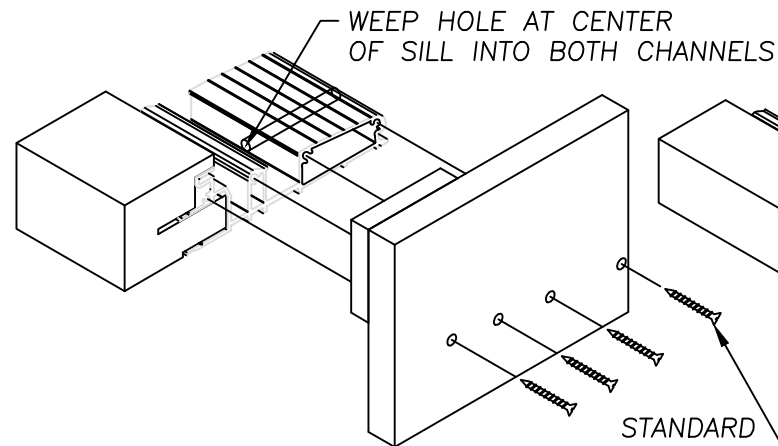
EXTERIOR FOLDING DOOR ANCHORING LOCATIONS

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



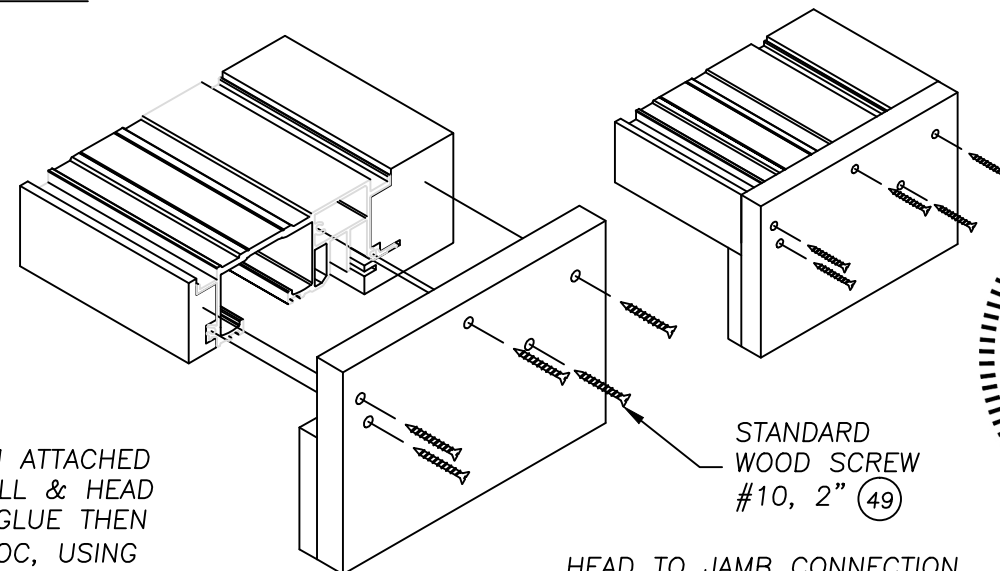
WEEP HOLE FROM CHANNELS
TO OUTSIDE OF SILL



SILL TO JAMB CONNECTION

STANDARD
WOOD SCREW
(49) #10, 2"

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



HEAD TO JAMB CONNECTION

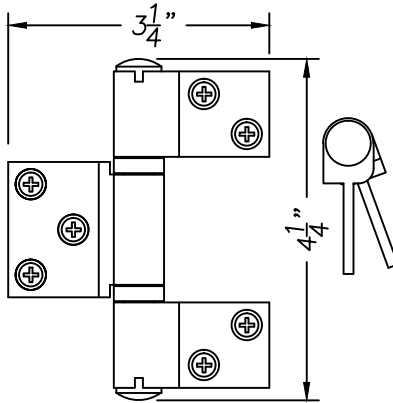
STANDARD
WOOD SCREW
#10, 2" (49)

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

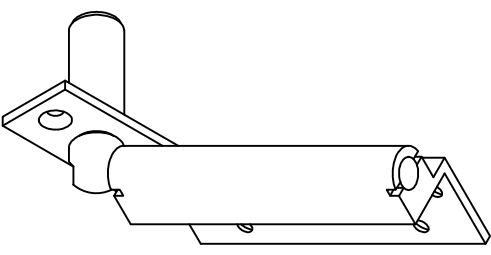
NO.	DATE	REVISIONS
4	7/14/14	REFORMAT
3	12/14/11	2010 CODE CHANGE
2	5/13/08	ADDED 50 & 52
1	09/14/07	ADDED 51B
NO.	DATE	BY

DATE: 07/12/07
SCALE: F1/16
DWG. BY: AURORA
No. 73778
STATE OF
FLORIDA
HERMES F. MORENO
FLORIDA P.E. NO. 29578
DRAFTSMAN
PROFESSIONAL ENGINEER
DRAWING NO.:
A011518
SHEET 7 OF 9



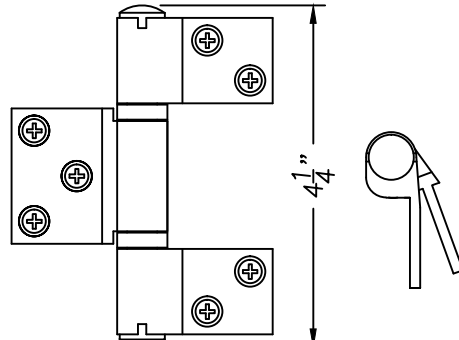
INTERMEDIATE STAINLESS STEEL HINGES FOR OUTSWING DOORS (47) #10, 1 1/2 ALL SCREWS IN HINGES

35



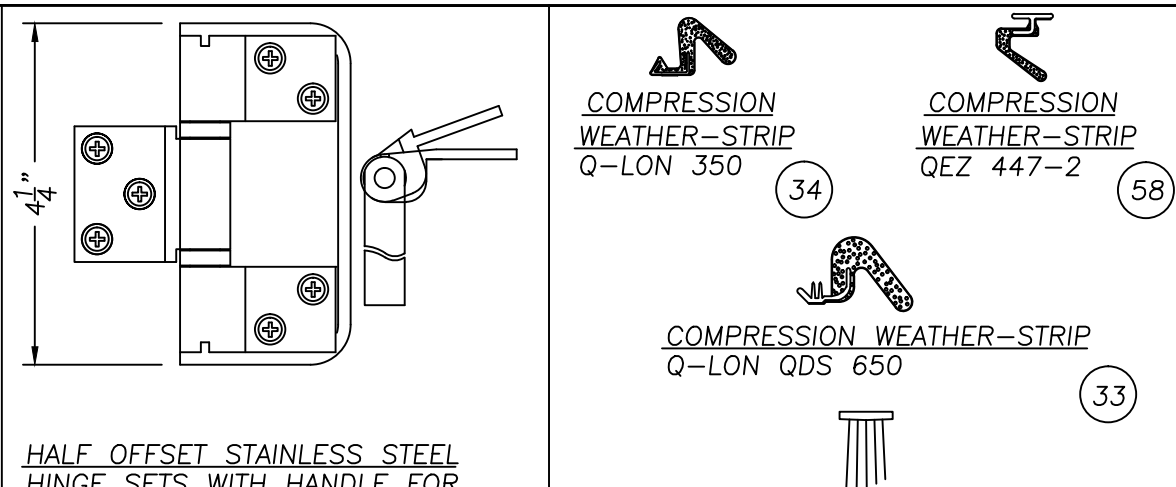
JAMB MOUNTED PIVOT FOR OUTSWING DOORS #10, 2 1/2" WOOD SCREWS ATTACH TO DOORS/JAMBS. THESE PIVOTS NOT USED IN TESTING.

38



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

41

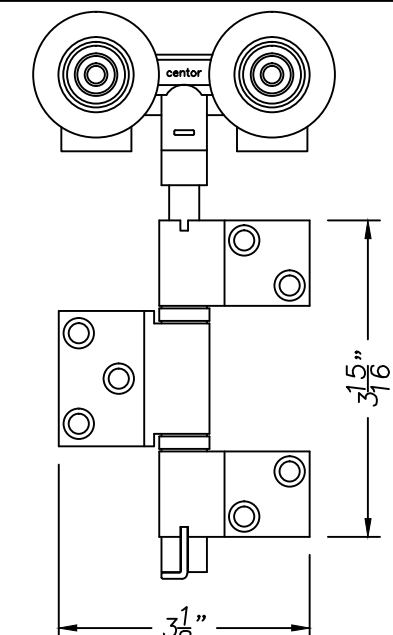


COMPRESSION WEATHER-STRIP Q-LON 350 34

COMPRESSION WEATHER-STRIP QEZ 447-2 58

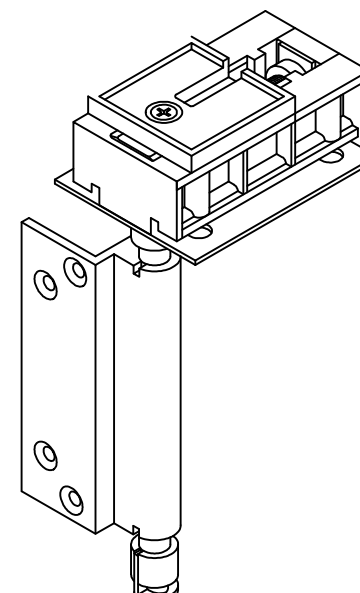
COMPRESSION WEATHER-STRIP Q-LON QDS 650 33

.435 T-SLOT PILE SWEEP KT369 59



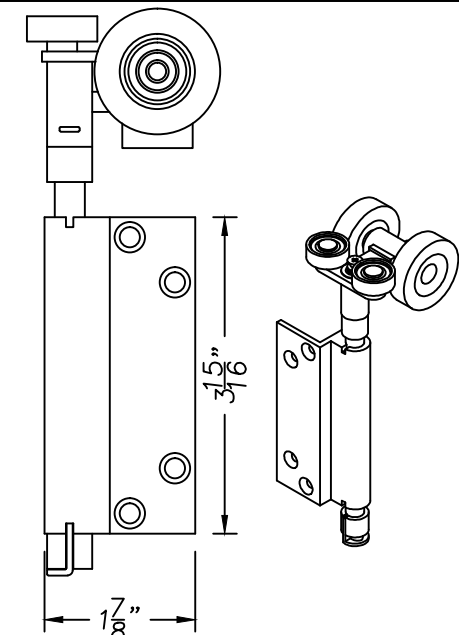
INTERMEDIATE SS SET CONCEALED TOP CARRIER (47) #10, 1 1/2 ALL SCREWS IN HINGES

36



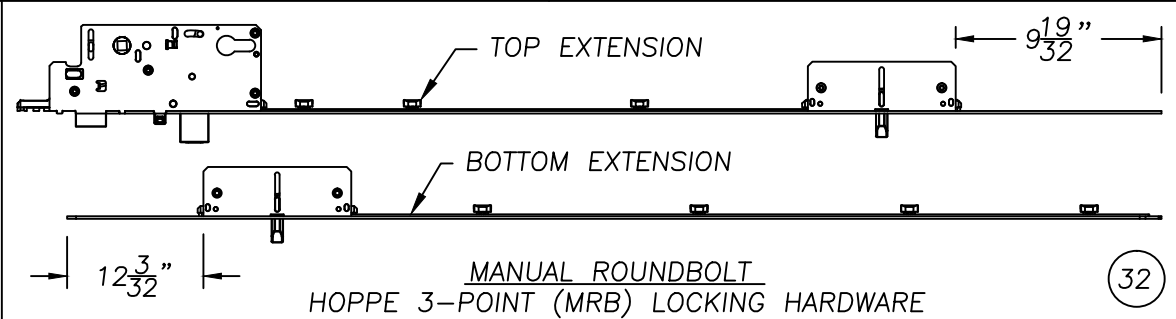
SS TOP PIVOT SET HEAD/DOOR MOUNTED (47) #10, 1 1/2 ALL SCREWS IN HINGES

39



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

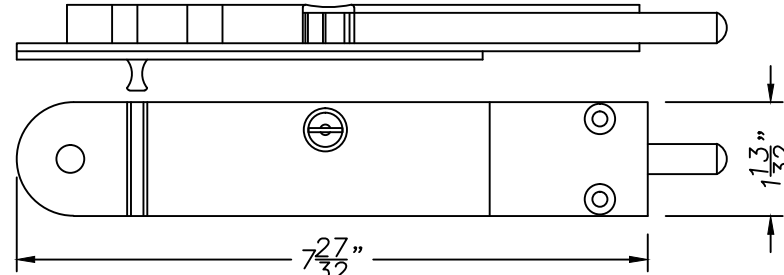
43



TOP EXTENSION 9 19/32"

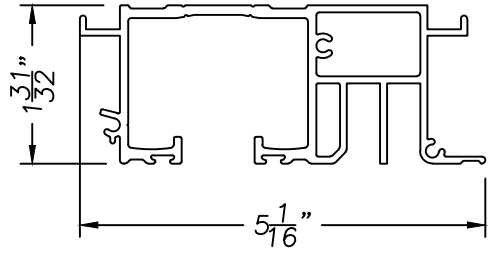
BOTTOM EXTENSION 12 3/32"

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

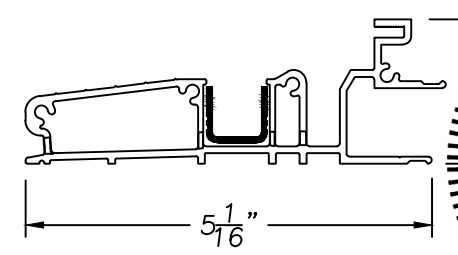


1 31/32"

5 1/16"

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

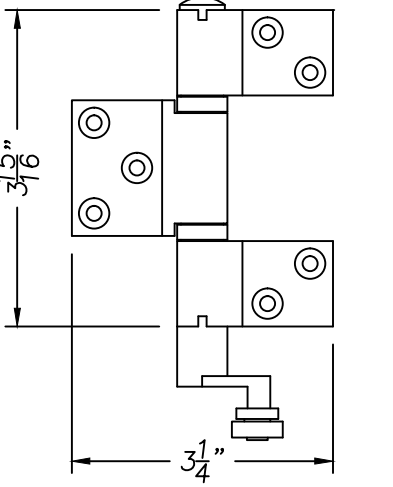
22



5 1/16"

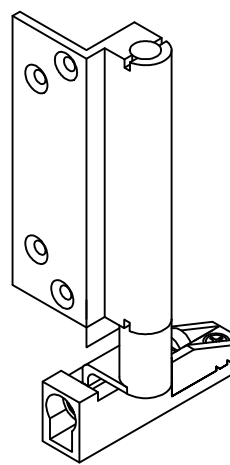
CENTOR ALUMINUM SILL EXTRUSION ATTACH TO WOOD COMPONENTS FOR COMPLETE THRESHOLD

23



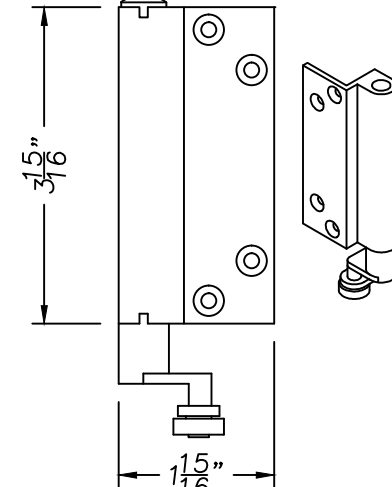
INTERMEDIATE SS SET CONCEALED BOTTOM CARRIER (47) #10, 1 1/2 ALL SCREWS IN HINGES

37



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

40



3 15/16"

1 15/16"

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

44

PRODUCT: IMPACT AURORA CUSTOM FIBERGLASS FOLDING DOOR SYSTEM

PART OR ASSEMBLY: HARDWARE DETAILS

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

DATE: 07/12/07

DESIGN: FNTS

DWG. BY: AURORA

NO. 73778

STATE OF FLORIDA

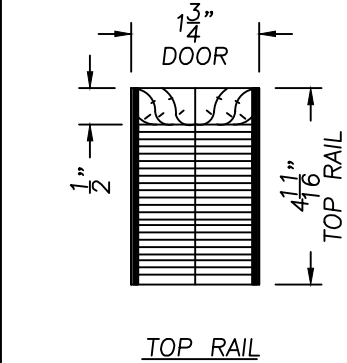
PROFESSIONAL ENGINEER

DRAWING NO.: A011518

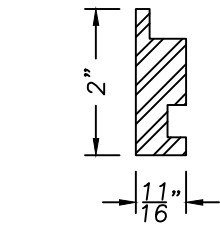
SHEET 8 OF 9

BILL OF MATERIALS

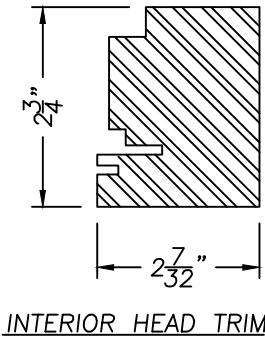
Item	Description	Material
D1-D3	AURORA 5001 GLAZED DOOR	FIBERGLASS
7	EDGE BAND 7/8 X 7/8	
8	SKIN 5001 36 X 96 GLASS DOOR MAHOGANY	
9	PUTTY POLYBOND	
10	FIBERGLASS MATERIAL	
11	4 11/16" X 1 3/4" STILES	LVL/WOOD
12	PLIOGRIP	
13	MOULDING 5001 36 X 96 #141	
14	SILICONE DOW 995	
15	POLYURETHANE FOAM CORE (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	



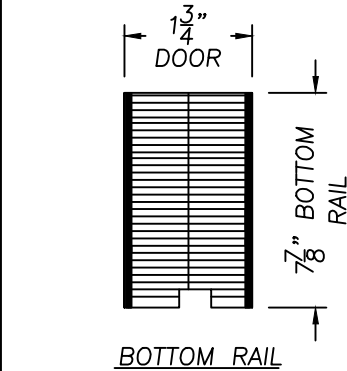
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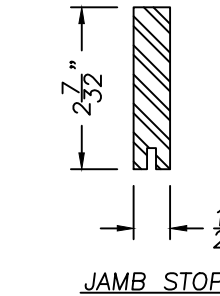
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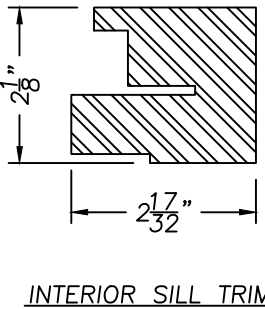
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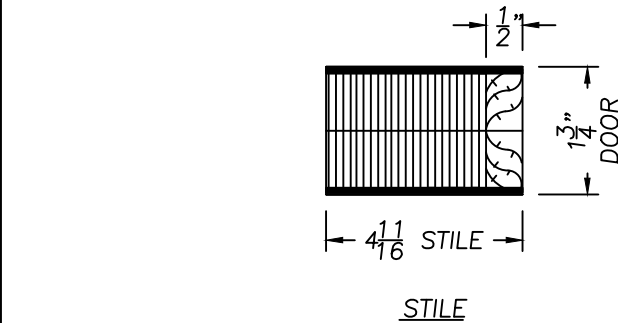
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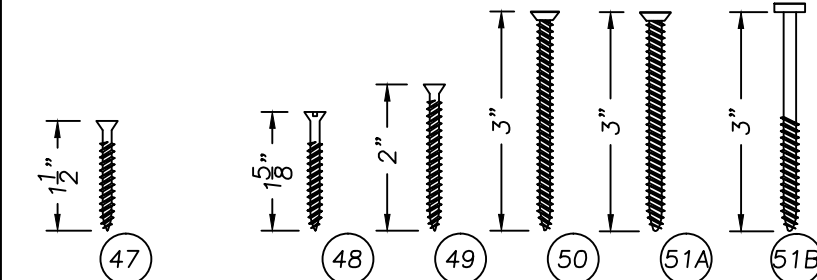
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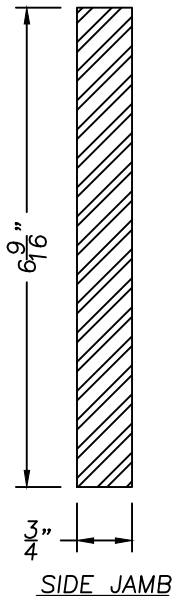
28



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	REVISIONS
4	7/14/14	REFORMAT
3	12/14/11	2010 CODE CHANGE
2	5/13/08	CHG ITEM 50
1	09/14/07	REV TABLE

DATE: 07/12/07
SCALE: F.T.S.
DWG: E. J. AURORA
No. 73778
STATE OF FLORIDA
HERMES ANDRERO
FLORIDA P.E. NO. 29578
KALAMATH FALLS, FL 33003
P.E. CERT. OF AUTHORIZATION NO. 29578
DRAWING NO.:
A011518
SHEET 9 OF 9