JELD-WEN

JELD-WEN DOOR SYSTEM
FIBERLAST 8'-4" X 8'-0" INSWING/OUTSWING
OPAQUE NON-IMPACT

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2006 EDITIONS OF THE INTERNATIONAL BUILDING CODE (I.B.C.) AND INTERNATIONAL RESIDENTIAL CODE (I.R.C.) WITH THE 2006 TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008 BASED ON THE SIGNED AND SEALED DATE. PRODUCT HAS BEEN TESTED TO ASTM E330-02, E331-00, E283-04 & AAMA 1304-2. DOOR SYSTEMS HAVING SIDELITE/TRANSOM COMBINATIONS RATE AT WINDZONE (WD) 3.
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. DESIGN PRESSURE RATING SEE TABLE I, PAGE 1.
5. TEXAS APPROVED IMPACT RESISTANCE SHUTTERS ARE REQUIRED.
6. SCALE BASED ON 11x17 SHEET SIZE.
7. ALL 1X & 2X TO BE 0.42PECIFIC GRAVITY OR GREATER.
8. CONCRETE TO BE OF MIN f'c = 3000 PSI, MASONRY TO BE OF MIN. f'c = 1500 PSI.
9. ALL FASTENERS SECURING FRAME (JAMBS AND SILLS) TO 1X OR 2X BUCK SHALL BE COUNTER SUNK BY 3/16".

EX:

FACE SHEETS: THE FACE SHEETS ARE MADE OF A WOOD/FIBERGLASS COMPOSITE MATERIAL MOLDED TO THE DESIRED DESIGN, AT .120" +/- .015 THICK WITH A DENSITY OF 52 PCF.

CORE DESIGN: THE CORE CONSISTS OF 2 POUND (+/- .25) DENSITY 245FA POLYURETHANE FOAM.

DOOR FRAME CONSTRUCTION: THE HINGE AND LATCH STILES ARE MADE OF PINE AND TREATED WITH AURALAST, A PROPRIETARY TREATMENT FROM JELD-WEN. THE STILES ARE COPED TO ACCEPT THE TOP RAIL, WHICH IS ALSO TREATED PINE, AND THE BOTTOM RAIL WHICH IS MADE OF LAMINATED VENEER LUMBER (LVL) AND CAPPED WITH PVC. ONE (1) STAPLE IS USED AT EACH CORNER TO HOLD THE FRAME TOGETHER PRIOR TO GLUING THE SKINS ON. A 2-13/16" WIDE INTERNAL STILE, MADE OF LVL, RUNS THE FULL LENGTH OF THE DOOR AND SERVES THE FUNCTION OF THE LOCKBLOCK. IT IS SECURED TO THE LATCH STILE WITH 4 STAPLES, EVENLY SPACED ALONG ITS LENGTH.

PANEL CONSTRUCTION: THE COMPOSITE SKINS ARE GLUED TO THE FRAME AND THE CAVITY IS THEN INJECTED WITH THE POLYURETHANE CORE MATERIAL.

SIDELITE CONSTRUCTION: EACH SIDELITE IS CONSTRUCTED THE SAME AS A DOOR PANEL, INCLUDING CORE DESIGN AND FRAME CONSTRUCTION, BUT EXCLUDING THE WIDE INTERNAL STILE (WOOD LOCK BLOCK). INSULATED GLAZING CONSISTS OF TWO 0.125" TEMPERED GLASS PANELS SEPARATED BY A 0.290" AIR SPACE (SEE GLAZING DETAIL SHEET 7).

DOOR SYSTEM CONSTRUCTION: THE FRAME JAMBS AND HEAD ARE CONSTRUCTED OF WOOD. THE OUTSWING SILL IS COMPRISED OF A COMPOSITE MATERIAL W/ ALUMINUM EXTRUSION. THE INSWING SILL IS COMPRISED OF A COMPOSITE MATERIAL WITH ALUMINUM EXTRUSION AND ADJUSTABLE VINYL RISER. TOP CORNERS ARE COPED, BUTTED, AND SEALED USING SILICONE AND FASTENED USING FOUR 16 GA. 7/16" X 2" LONG STAPLES PER CORNER. BOTTOM CORNERS ARE COPED, BUTTED, SEALED USING SILICONE AND FASTENED USING ONE 16 GA. 7/16" X 2" LONG STAPLE AND TWO #8 X 2 1/2" SCREWS . THE VERTICAL MULL POST IS FASTENED THROUGH THE HEAD AND SILL USING THREE #8X2-1/2" SCREWS PER END. AT THE SILL, FOR INSWING PRODUCTS, A 5/8" HOLE IS DRILLED IN THE ALUMINUM RISER AND A RETAINING CAP IS INSTALLED TO RECEIVE THE ASTRAGAL BOLT. ON OUTSWING PRODUCTS, A 3/8" HOLE IS DRILLED AT THE CENTER OF THE FRAME SILL AND A METAL STRIKE PLATE IS FASTENED USING TWO #8 X 3" SCREWS TO RECEIVE THE BOTTOM ASTRAGAL BOLT. AT THE HEAD ON BOTH INSWING AND OUTSWING PRODUCTS, A 3/8" HOLE IS DRILLED AT THE CENTER OF THE FRAME HEAD AND A METAL STRIKE PLATE IS FASTENED USING TWO #8 X 3" SCREWS TO RECEIVE THE TOP ASTRAGAL BOLT. EACH FIXED PANEL IS SECURED INTO THE FRAME USING SIX (6) #8 X 2-1/2" PHILLIPS HEAD WOOD SCREWS FASTENED THROUGH THE JAMBS AND INTO EACH SIDE OF THE PANEL. ALL MULLION JOINERY AND THE FIXED PANELS / FRAME JOINERY ARE SEALED AT THE EXTERIOR USING DOW 1199 SILICONE.

MATERIAL PROTECTION

1. ALL LATCH/LOCK AND HINGE HARDWARE TO BE OF CORROSION RESISTANT MATERIAL OR CORROSION RESISTANT COATED.
2. ANCHORING COMPONENTS MUST MEET THE CORROSION RESISTANT STANDARDS AS IDENTIFIED IN THE FBC.

SHEET INDEX

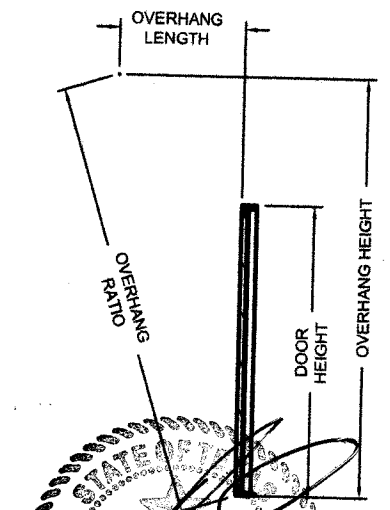
SHEET #	DESCRIPTION
1	GENERAL NOTES
2	INSWING DOOR ELEVATIONS
3	PARTS LIST & INSWING VERTICAL CROSS SECTIONS
4	INSWING HORIZONTAL & VERTICAL CROSS SECTIONS
5	INSWING HORIZONTAL CROSS SECTIONS
6	OUTSWING DOOR ELEVATIONS
7	OUTSWING VERTICAL CROSS SECTIONS & GLAZING DETAIL
8	OUTSWING HORIZONTAL & VERTICAL CROSS SECTIONS
9	OUTSWING HORIZONTAL CROSS SECTIONS
10	FRAME CONSTRUCTION & FIXED PANEL FASTENING
11	ANCHORING LOCATIONS
12	HINGE ROUTE, ASTRAGAL & LATCH STRIKE PLATE LOCATIONS
13	COMPONENTS

TABLE 1

DESIGN PRESSURE RATING

		WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
		SINGLE DOOR W/ OR W/O SIDELITES & DBL DOOR W/ OR W/O SIDLITES
INSWING	POSITIVE	+ 45*
	NEGATIVE	- 50*
OUTSWING	POSITIVE	+ 55*
	NEGATIVE	- 55*

* NOTE: WHERE WATER INFILTRATION IS REQUIRED, UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≧ 1.0



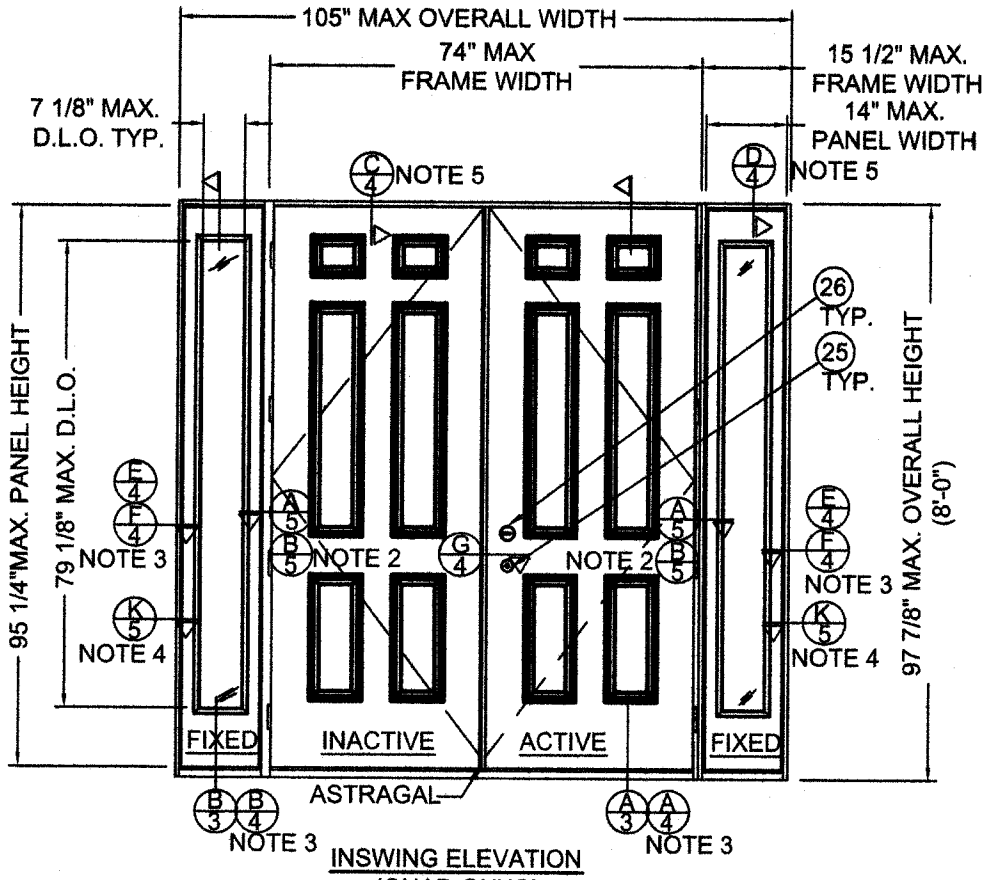
JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE FIBERLAST DOOR SERIES
PART OR ASSEMBLY: GENERAL NOTES & INDEX

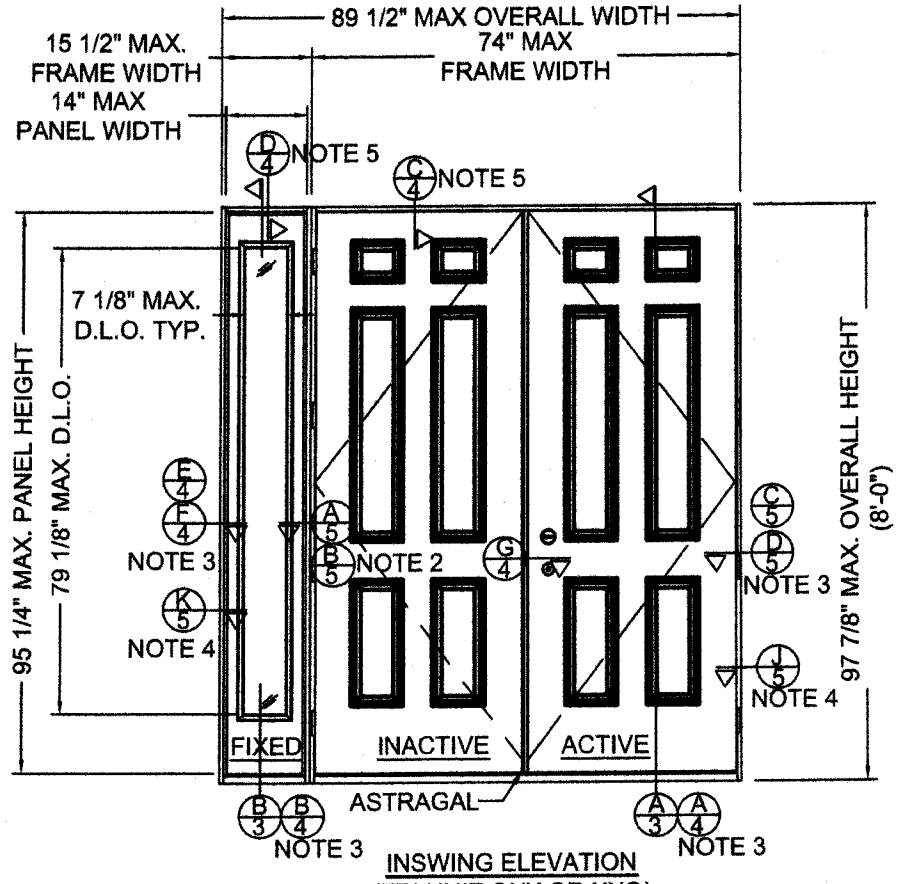
NO.	DATE	BY	REVISIONS

DATE: 05/27/2010
SCALE: NO SCALE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 1 OF 13

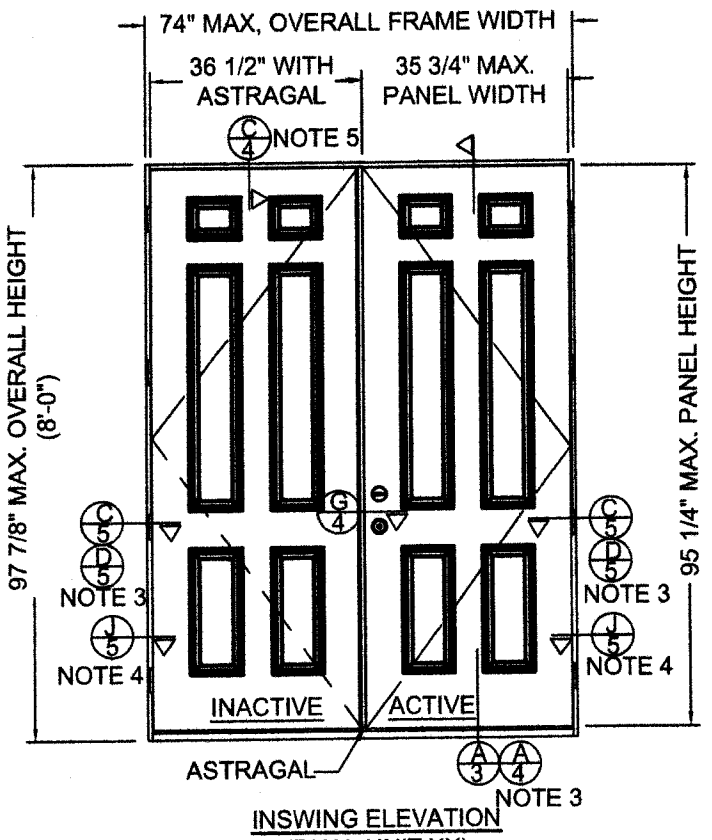
Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789



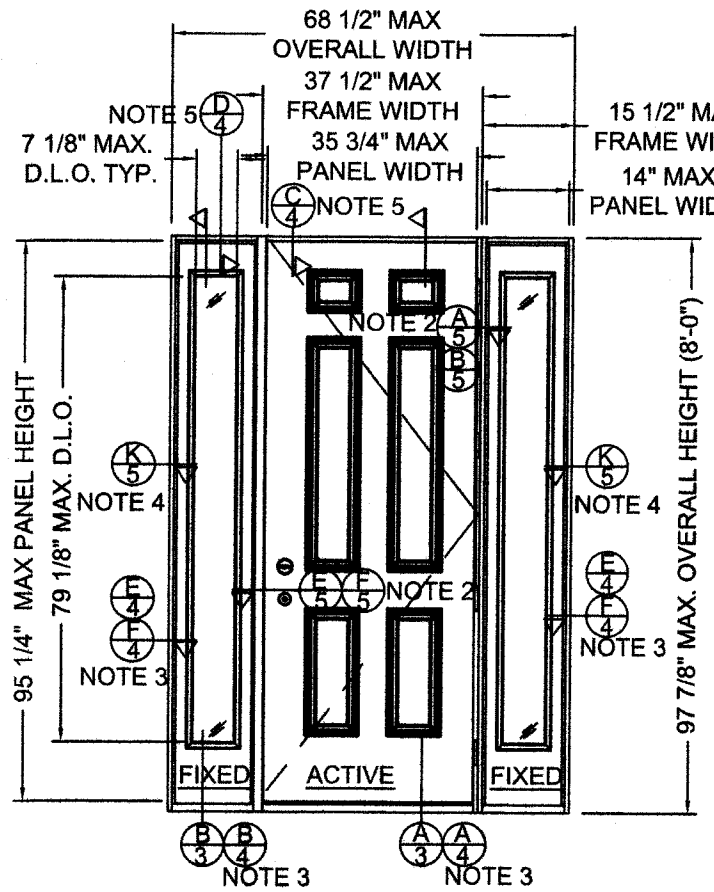
INSWING ELEVATION
(QUAD OXXO)
VIEWED FROM INTERIOR



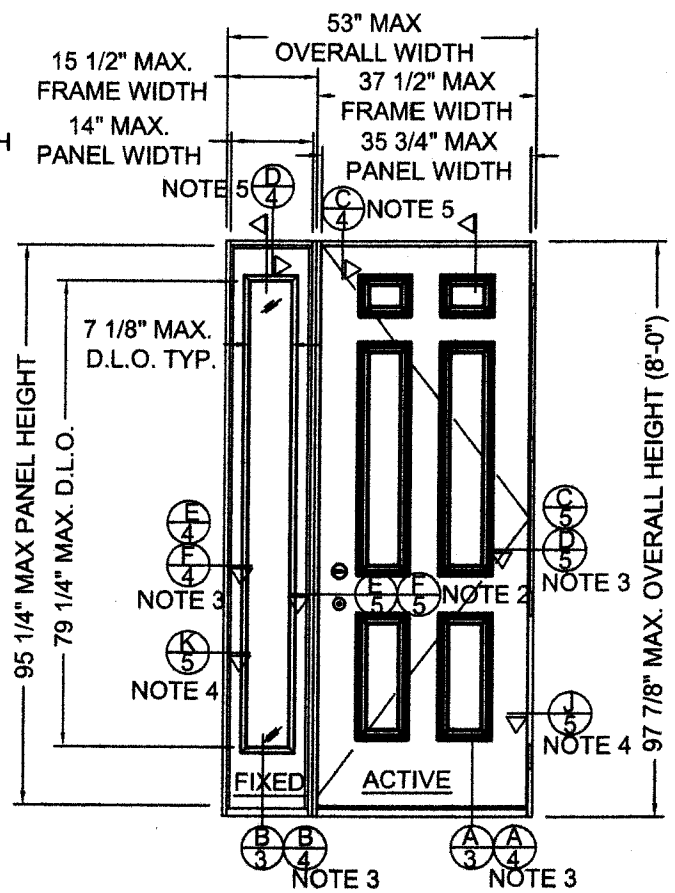
INSWING ELEVATION
(TRI UNIT OXX OR XXO)
VIEWED FROM INTERIOR



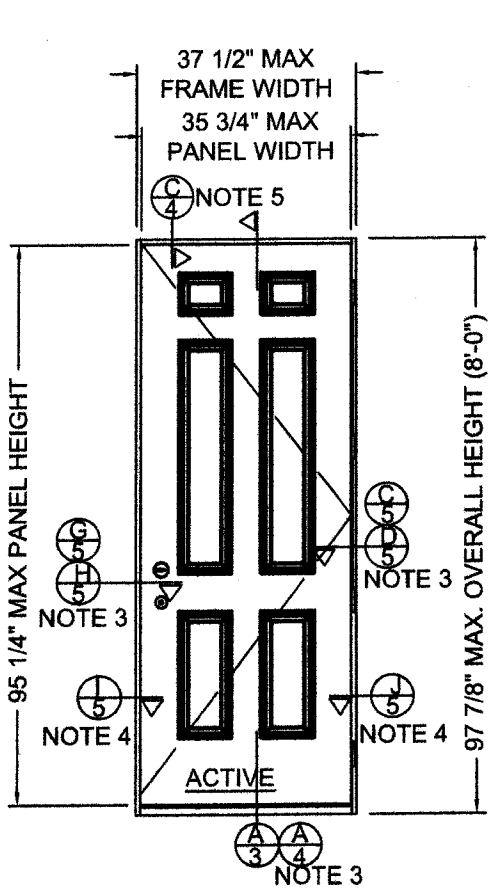
INSWING ELEVATION
(DUAL UNIT XX)
VIEWED FROM INTERIOR



INSWING ELEVATION
(TRI UNIT OXO)
VIEWED FROM INTERIOR



INSWING ELEVATION
(DUAL UNIT OX OR XO)
VIEWED FROM INTERIOR



INSWING ELEVATION
(SINGLE UNIT X)
VIEWED FROM INTERIOR

NOTES:
1 - ALL VIEWS FROM INTERIOR.
2 - MULL POSTS & DOUBLE BACK JAMBS ARE INTERCHANGEABLE. (SEE OPTIONAL CROSS SECTIONS, SHEET 5)
3 - MASONRY AND CONCRETE INSTALLATION DETAILS.
4 - FOR HORIZONTAL ANCHOR IN 1X BUCK OPTION IN MASONRY/CONCRETE. SEE SHEET 5 FOR DETAILS.
5 - FOR VERTICAL ANCHOR IN 1X BUCK OPTION IN MASONRY/CONCRETE. SEE SHEET 5 FOR DETAILS.

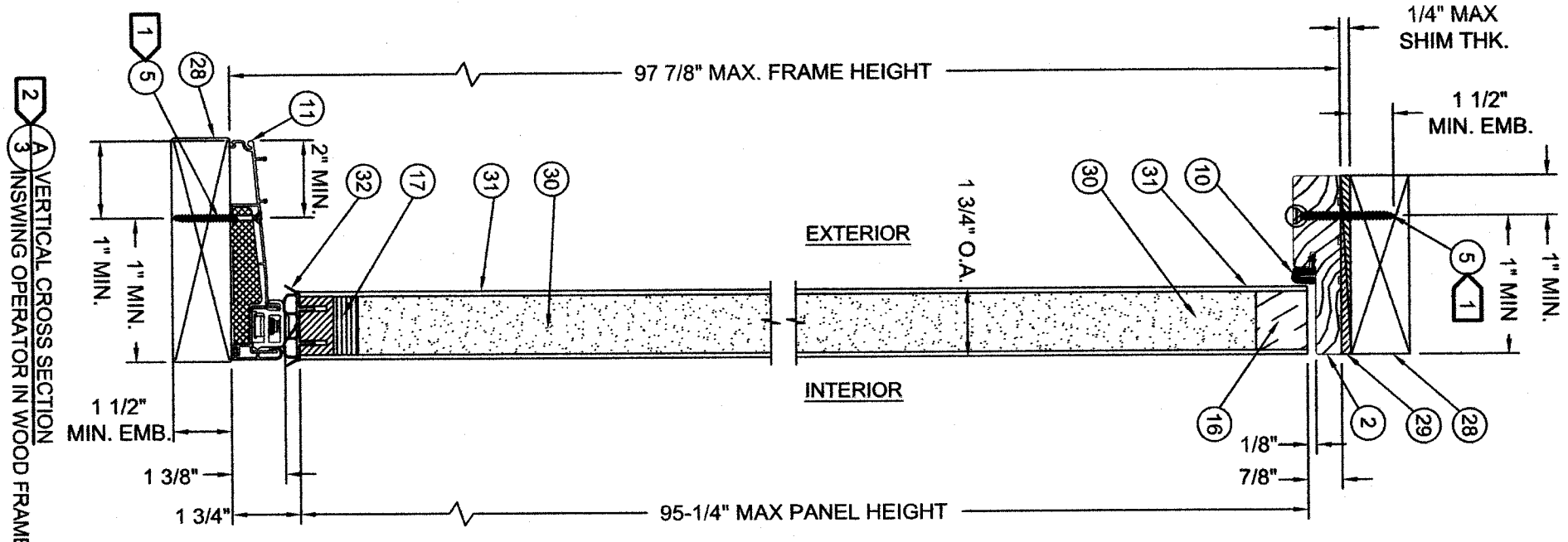
JELDWEN.
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

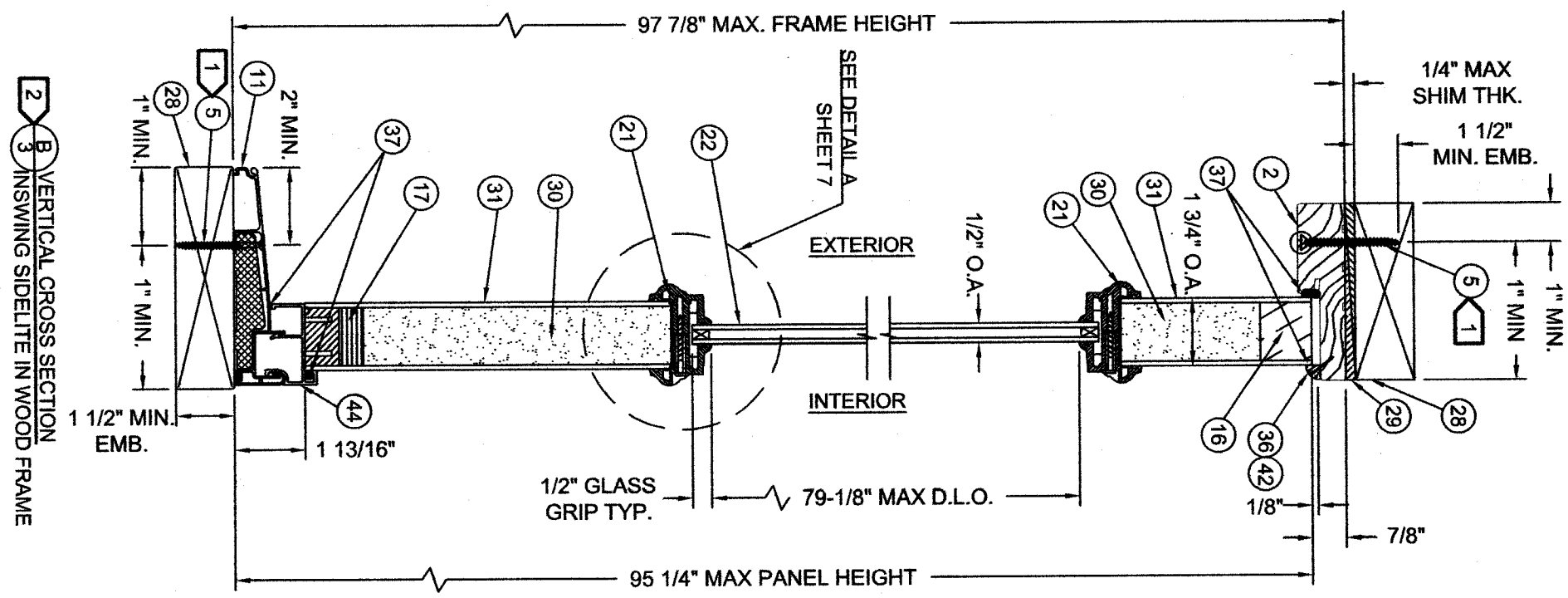
PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
PART OR ASSEMBLY: FIBERLAST DOOR SERIES
INSWING ELEVATIONS

NO.	DATE	BY	REVISIONS

DATE: 05/27/2010
SCALE: 3/8"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 2 OF 13

Alexis Spyrou
CertWorks LLC
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789





Item	DESCRIPTION		Material
1	HINGE JAMB (FINGERJOINTED PINE)		PINE
2	HEAD JAMB (FINGERJOINTED PINE)		PINE
3	LATCH JAMB (FINGERJOINTED PINE)		PINE
4	SIDELITE JAMB FINGERJOINTED PINE)		PINE
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 (QEBD-650)		FOAM
11	INSWING THRESHOLD ENDURA MODEL LZAIL5625DSR	6063-T6	ALUMINUM/COMP.
12	#8 x 2 1/2" PHILLIPS HEAD WOOD SCREW		STEEL
13	EXTRUDED ASTRAGAL (ENDURA ULTIMATE HURRICANE)	6063-T6	ALUMINUM
14	#8X 1" FLAT HEAD WOOD SCREW		STEEL
15	ENDURA HURRICANE TOP INSWING/BOTTOM OUTSWING STRIKE PLATE		STEEL
16	TOP RAIL FINGERJOINTED PINE W/ AURALAST		PINE
17	BOTTOM RAIL PVC CAPPED LAMINATED VENEER LUMBER		PVC - LVL
18	HINGE SIDE STILE FINGERJOINTED PINE W/ AURALAST		PINE
19	LATCH SIDE STILE FINGERJOINTED PINE W/ AURALAST		PINE
20	INTERNAL STILE FULL LENGTH LAMINATED VENEER LUMBER		LVL
21	ODL LIP-LITE FRAME		PLASTIC
22	0.50" O.A. INSULATED TEMPERED GLASS		GLASS
23	16 Ga. 7/16" CROWN x 2" LONG STAPLES		STEEL
24	CORRUGATED NAIL 1/2" x 1-1/16"		STEEL
25	KWIKSET LOCK SERIES 400		STEEL
26	KWIKSET DEADBOLT SERIES 660		STEEL
27	#8 x 2" PHILLIPS FLATHEAD WOOD SCREW		STEEL
28	2X W00D BUCK SPRUCE-PINE-FIR MIN. S.G. = 0.42		WOOD
29	NON-COMPRESSION SHIM, 1/4" THICK MAX.		WOOD
30	INJECTED POLYURETHANE (1.75 TO 2.25lbs DENSITY) MFG BY JELD-WEN		FOAM
31	DOOR SKIN FIBERLAST MATERIAL, FIBERGLASS THICKNESS 0.120 NOMINAL		FIBERGLASS
32	INSWING VINYL DOOR BOTTOM SWEEP		VINYL
33	CORNER PAD 2", AT THE BOTTOM OF EACH JAMB LEG/INTERIOR MULLION		FOAM
34	#8 x 3" PHILLIPS FLATHEAD WOOD SCREW		STEEL
35	SOLID MULL POST, LAMINATED VENEER LUMBER (LVL)		WOOD
36	3/8" ROUNDED SCOTIA		WOOD
37	SILICONE BEAD DOW 1199		SILICONE
38	DOUBLE BACK JAMB, LAMINATED VENEER LUMBER (LVL)		LVL
39	OUTSWING THRESHOLD ENDURA MODEL ZOBL5625F	6063-T6	ALUMINUM/COMP.
40	ASTRAGAL THROW BOLT, STEEL ROD, 5/16 DIA. X 18"		STEEL
41	OPTIONAL 1X W00D BUCK GRADE 2 SOUTHERN YELLOW PINE		WOOD
42	1 1/4" BRAD NAIL 18 GA.		STEEL
43	SIDELITE SEAT ENDURA OUTSWING #ZOB-LP		EXTRUDED VINYL
44	SIDELITE SEAT ENDURA INSWING #Z-60-LP		EXTRUDED VINYL
45	ENDURA HURRICANE ASTRAGAL BOLT PLUG		PLASTIC

NOTES:

1. FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING (ITEMS #5 OR #9), SEE SHEET 11. FOR ANCHORS IN WOOD OR CONCRETE/MASONRY, SEE NOTE 8, SHEET 1.

2. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.

Alexis Spyrou
CertWorks, LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

NO.	DATE		BY

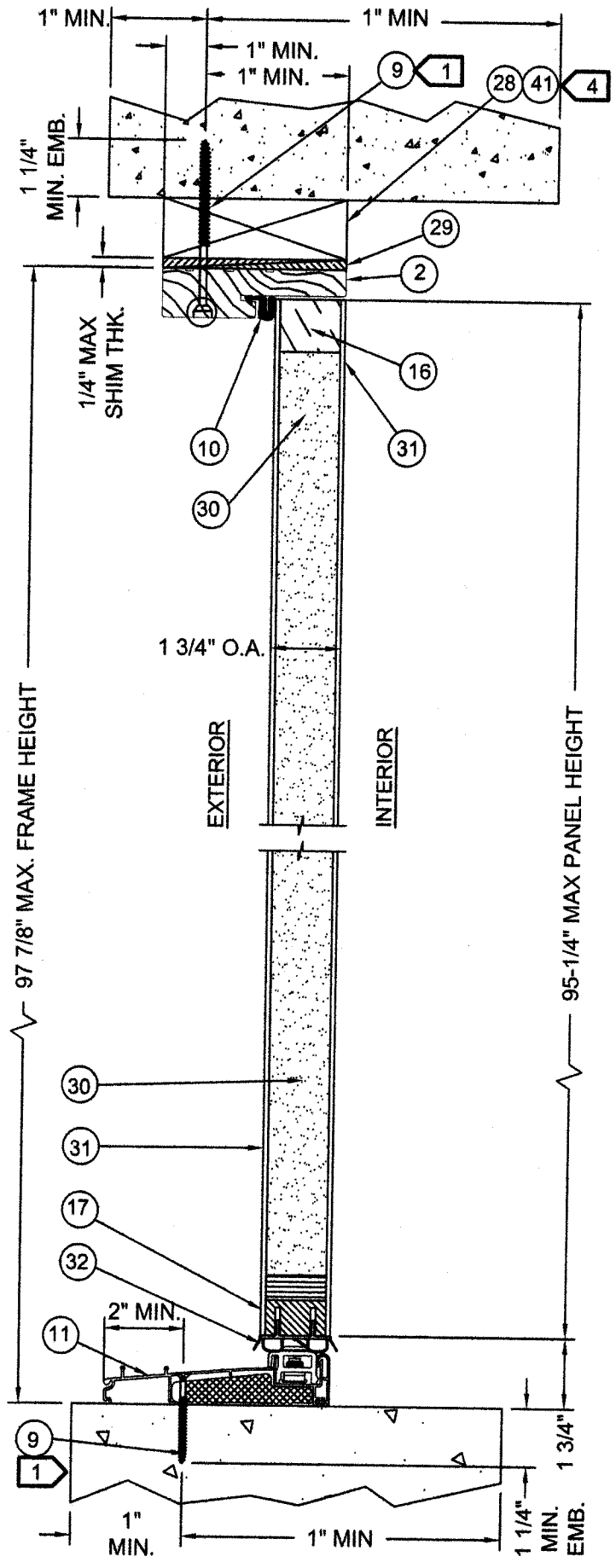
REVISIONS

PRODUCT:
8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES

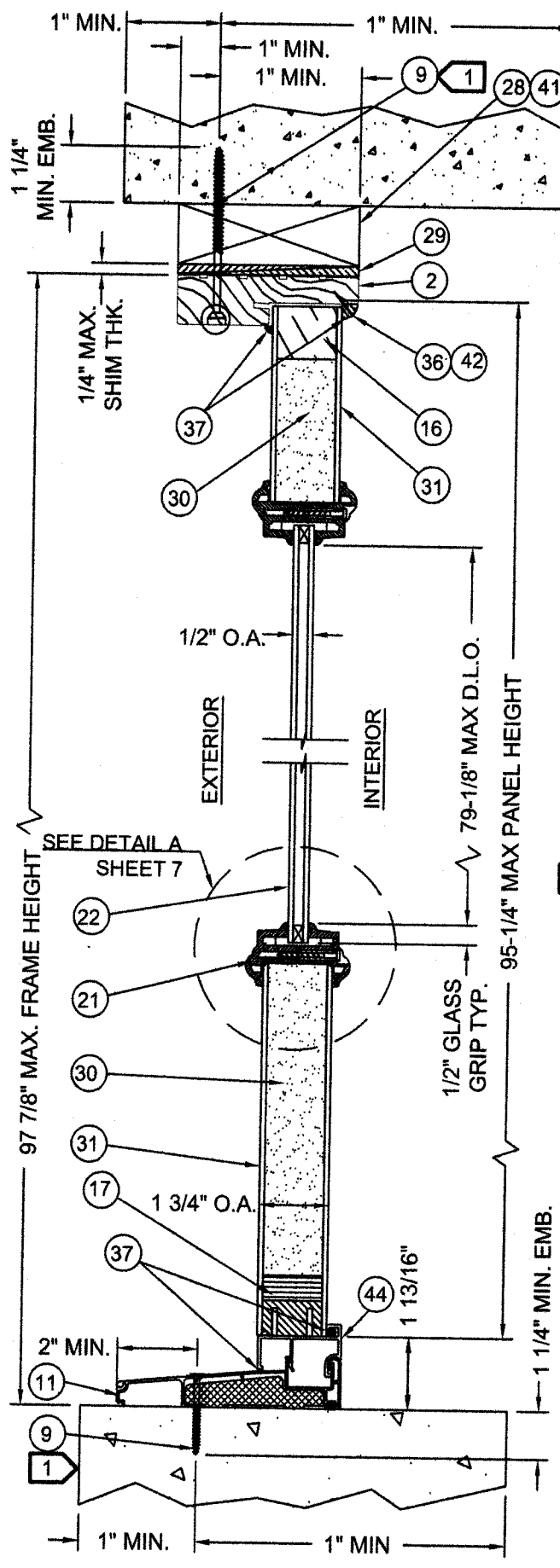
PART OR ASSEMBLY:
INSWING VERTICAL SECTIONS & BILL OF MATERIALS

JELD-WEN.
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

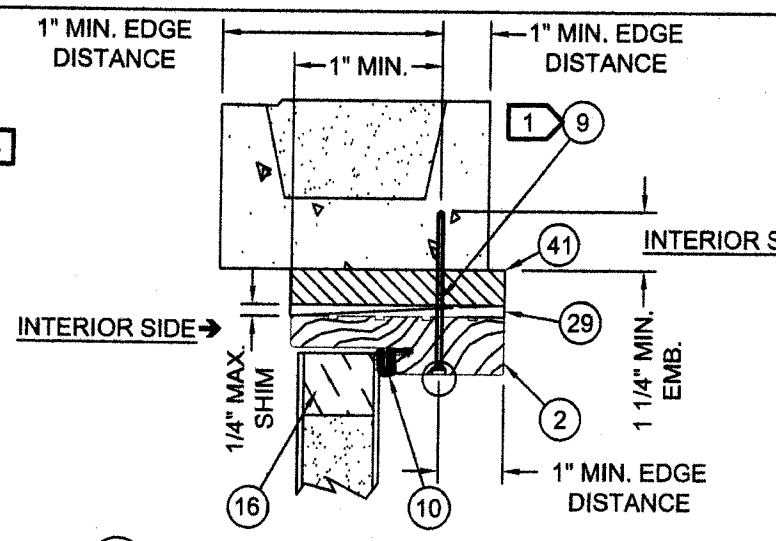
DATE: 05/27/2010
SCALE: 3"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 3 OF 13



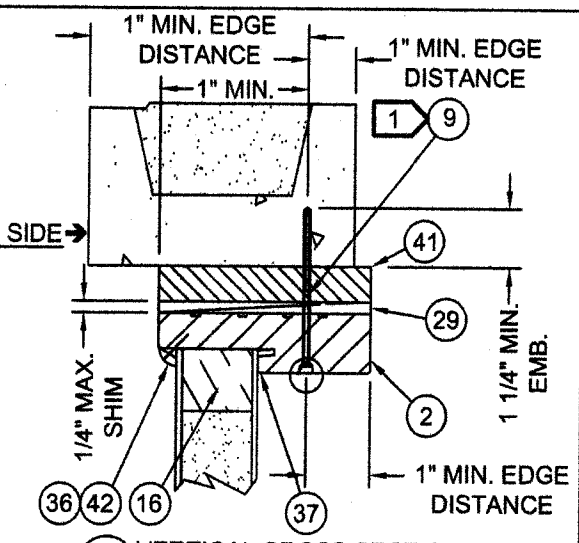
5 A 4 VERTICAL CROSS SECTION
INSWING OPERATOR IN CONCRETE/MASONRY



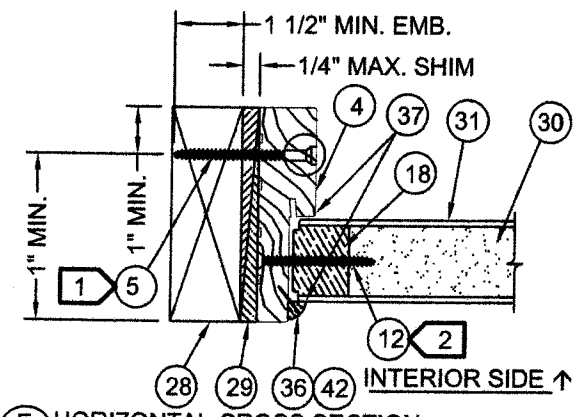
5 B 4 VERTICAL CROSS SECTION
INSWING SIDELITE IN CONCRETE/MASONRY



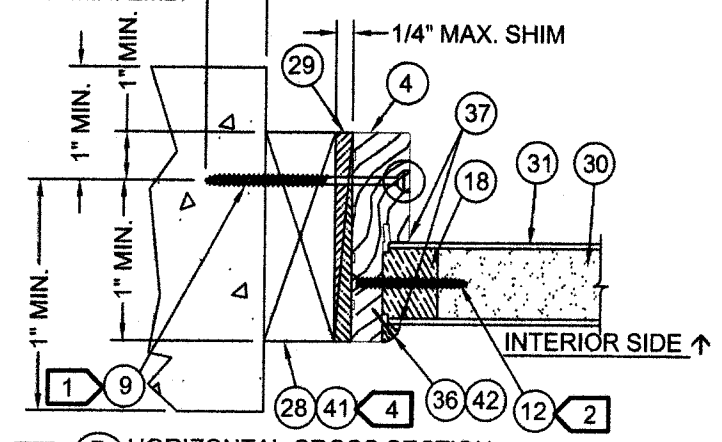
5 C 4 VERTICAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE



5 D 4 VERTICAL CROSS SECTION
FIXED UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE



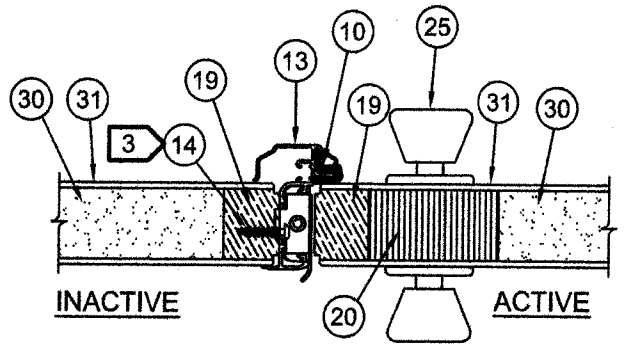
5 E 4 HORIZONTAL CROSS SECTION
WOOD CONSTRUCTION
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



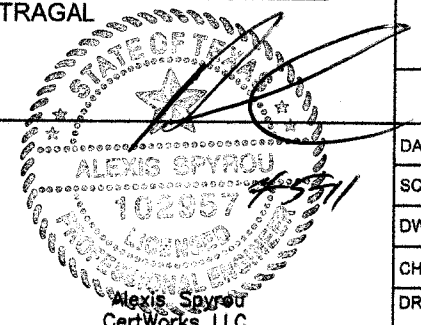
5 F 4 HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALL
(LEFT SECTION SHOWN, RIGHT SECTION OPPOSITE)

NOTES:

1. FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING ITEMS #5 OR #9), SEE SHEET 11. FOR ANCHORS IN WOOD OR CONCRETE/ MASNORY, SEE NOTE 8 SHEET 1.
2. SPACING FOR #12 FROM TOP OF SIDELITE DOWN (SEE SHEET 10).
3. ASTRAGAL SCREW PATTERN SPACING FOR #13 (SEE SHEET 12).
4. 1X BUCK MAY BE UTILIZED AS AN OPTION. FOR VERTICAL SECTIONS, SEE DETAILS C 4 D 4 SHEET 4.
   HORIZONTAL SECTIONS: DETAILS I 5 J 5 K 5 SHEET 5.
5. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.



G 4 HORIZONTAL CROSS SECTION
ASTRAGAL



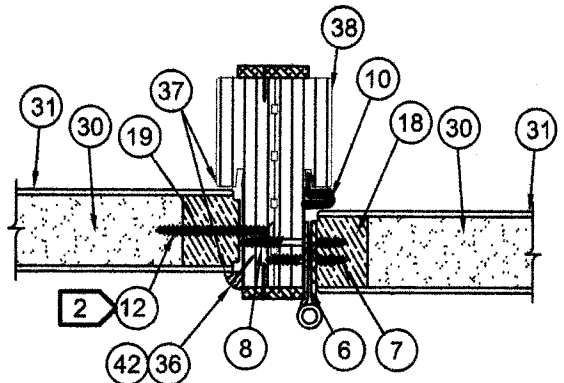
Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

JELD-WEN.
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

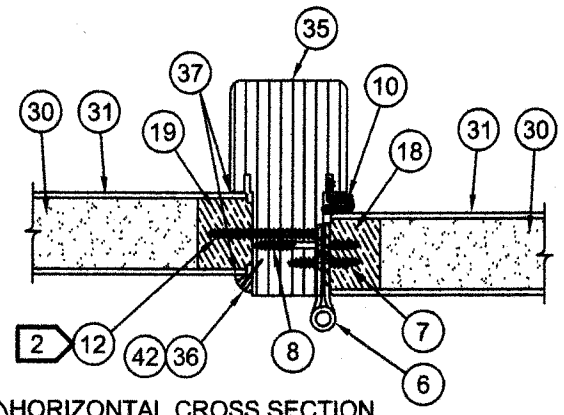
PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE FIBERLAST DOOR SERIES
PART OR ASSEMBLY: INSWING VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

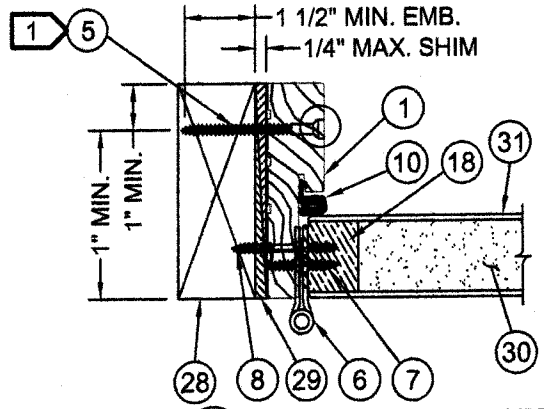
DATE: 05/27/2010
SCALE: 3"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 4 OF 13



A/5 HORIZONTAL CROSS SECTION
DOUBLE BACK JAMB
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



B/5 HORIZONTAL CROSS SECTION
SOLID MULL POST
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 C/5 HORIZONTAL CROSS SECTION
AT HINGE WOOD INSTALL
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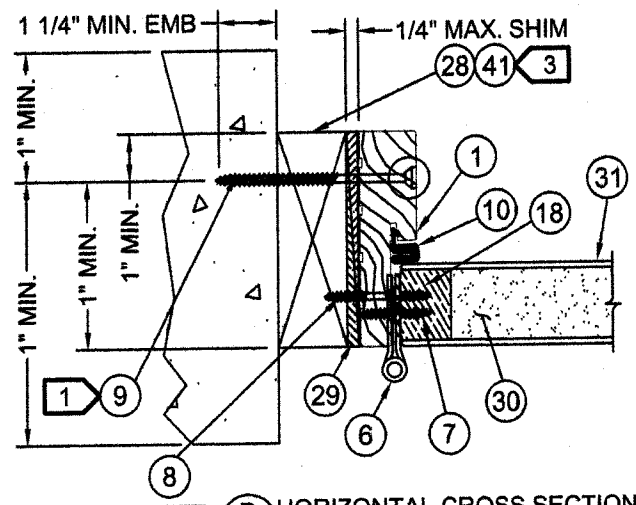
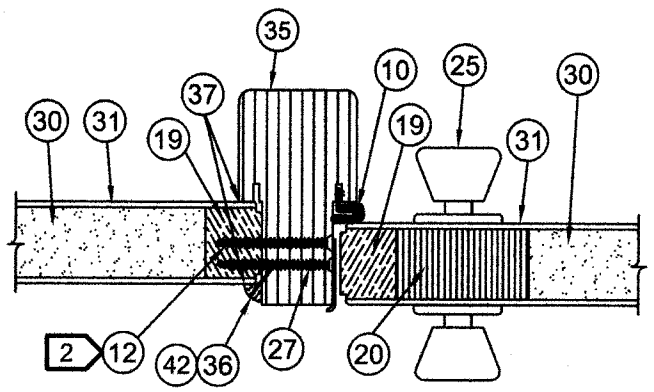
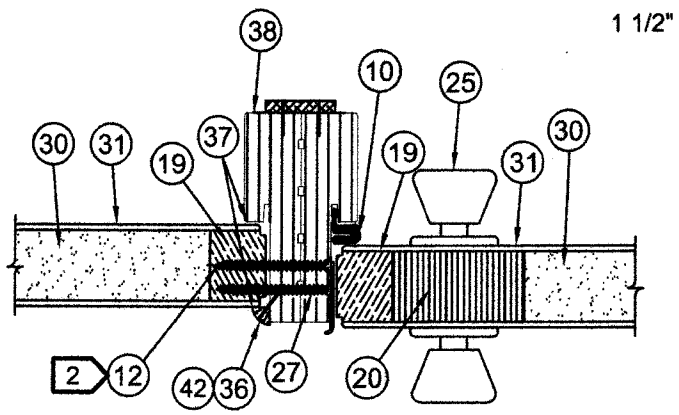


4 D/5 HORIZONTAL CROSS SECTION
AT HINGE CONCRETE/MASONRY INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

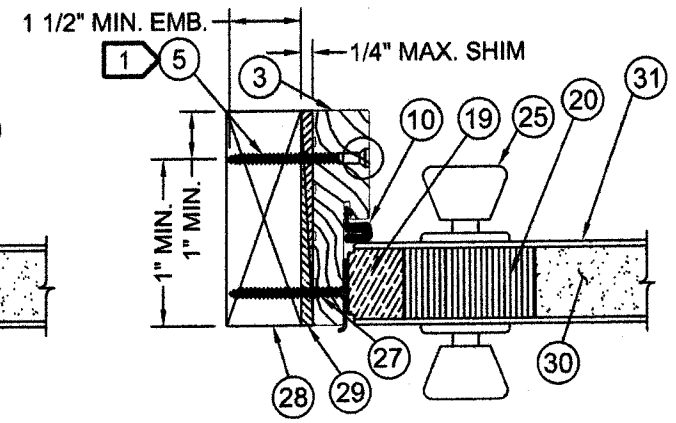
↓EXTERIOR SIDE↓



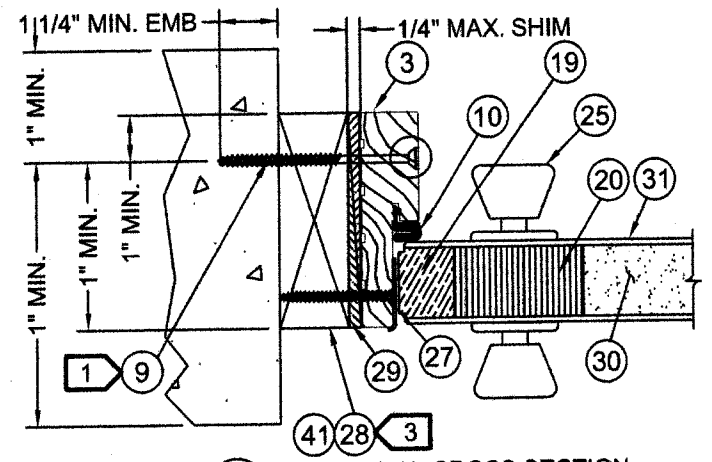
E/5 HORIZONTAL CROSS SECTION
SIDELITE AT SOLID MULL POST
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



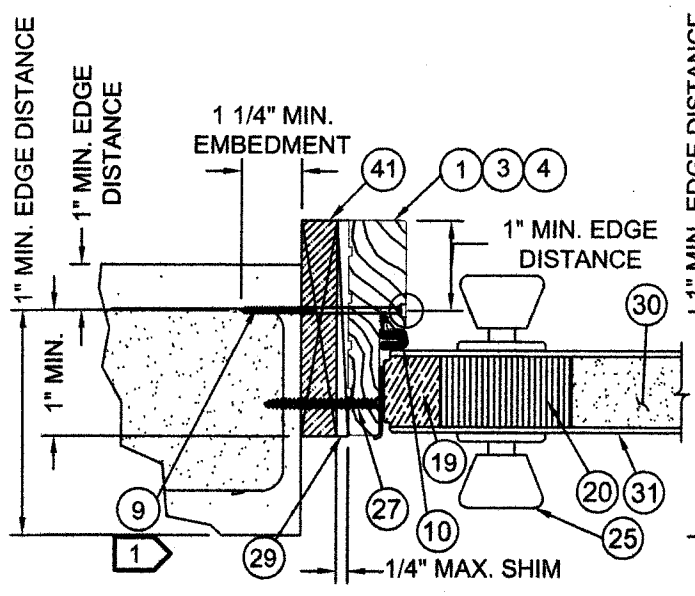
F/5 HORIZONTAL CROSS SECTION
SIDELITE AT DOUBLE BACK JAMB
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



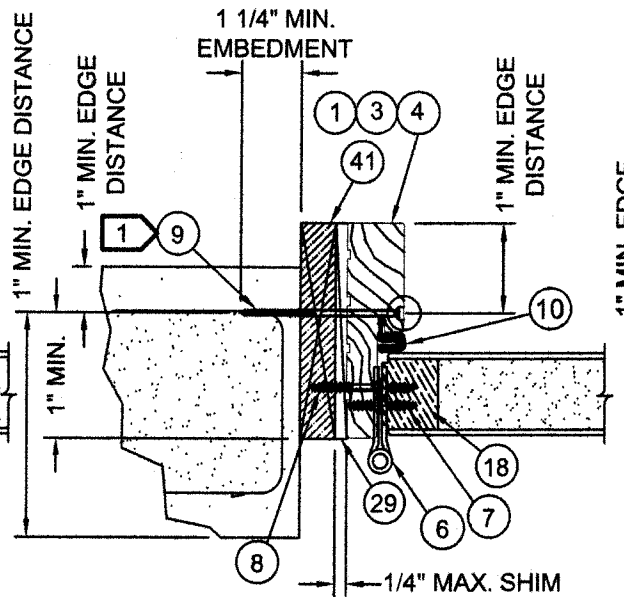
4 G/5 HORIZONTAL CROSS SECTION
HAND SET WOOD INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



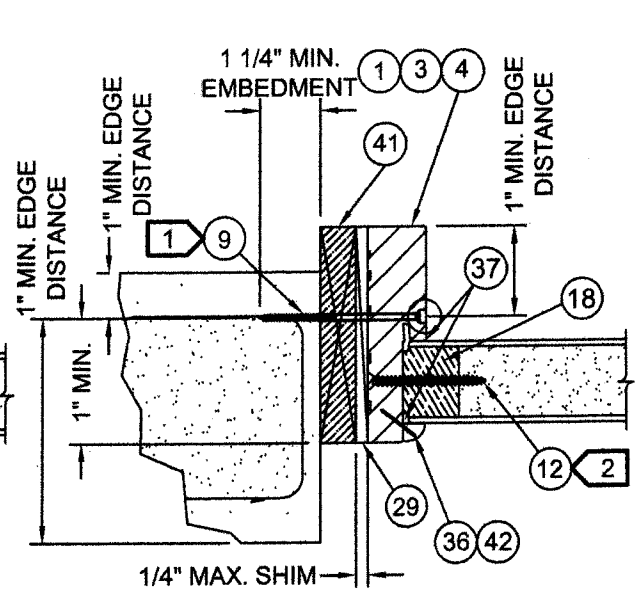
4 H/5 HORIZONTAL CROSS SECTION
HAND SET CONCRETE/MASONRY INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 I/5 HORIZONTAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 J/5 HORIZONTAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 K/5 HORIZONTAL CROSS SECTION
FIXED UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

NOTES:

1. FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING (ITEMS #5 OR #9), SEE SHEET 11. FOR ANCHORS IN WOOD OR CONCRETE/ MASNORY, SEE NOTE 8 SHEET 1.
2. SPACING FOR #12 FROM TOP OF SIDELITE DOWN (SEE SHEET 10).
3. 1X BUCK MAY BE UTILIZED AS AN OPTION. FOR VERTICAL SECTIONS, SEE DETAILS C/4 D/4 SHEET 4. HORIZONTAL SECTIONS: DETAILS I/5 J/5 K/5 SHEET 5.
4. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.

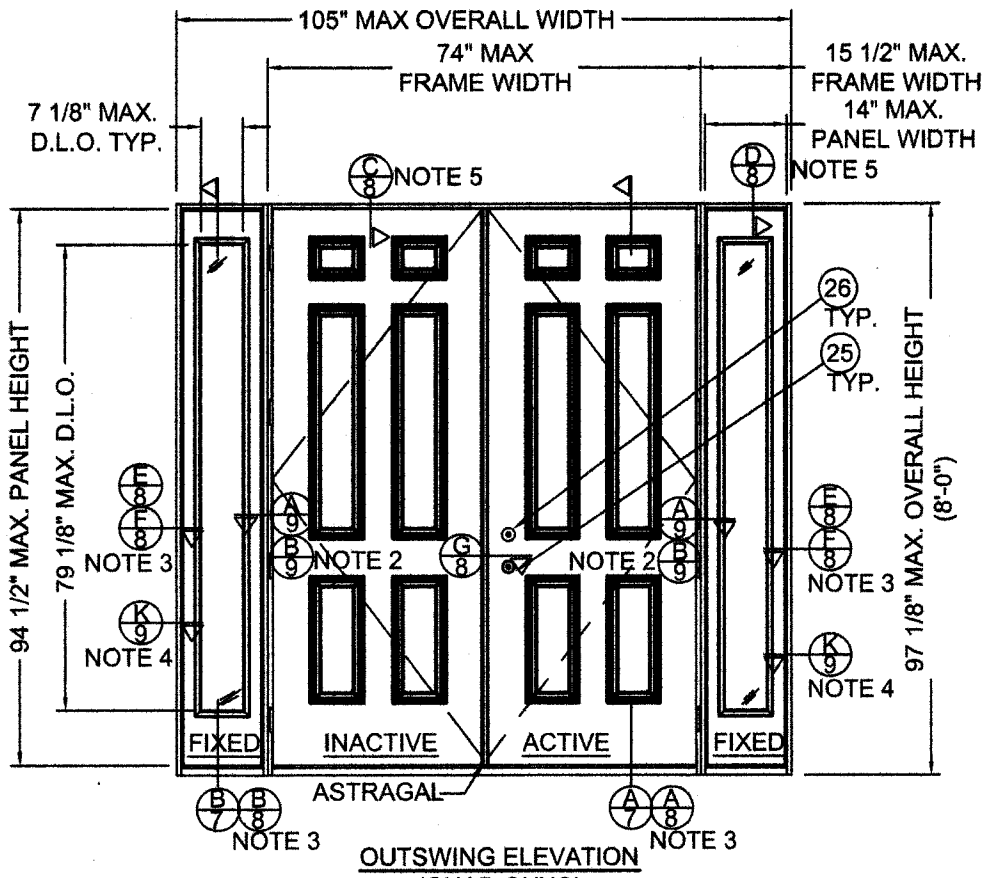
Alexis Spyrou
CertWorks LLC
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

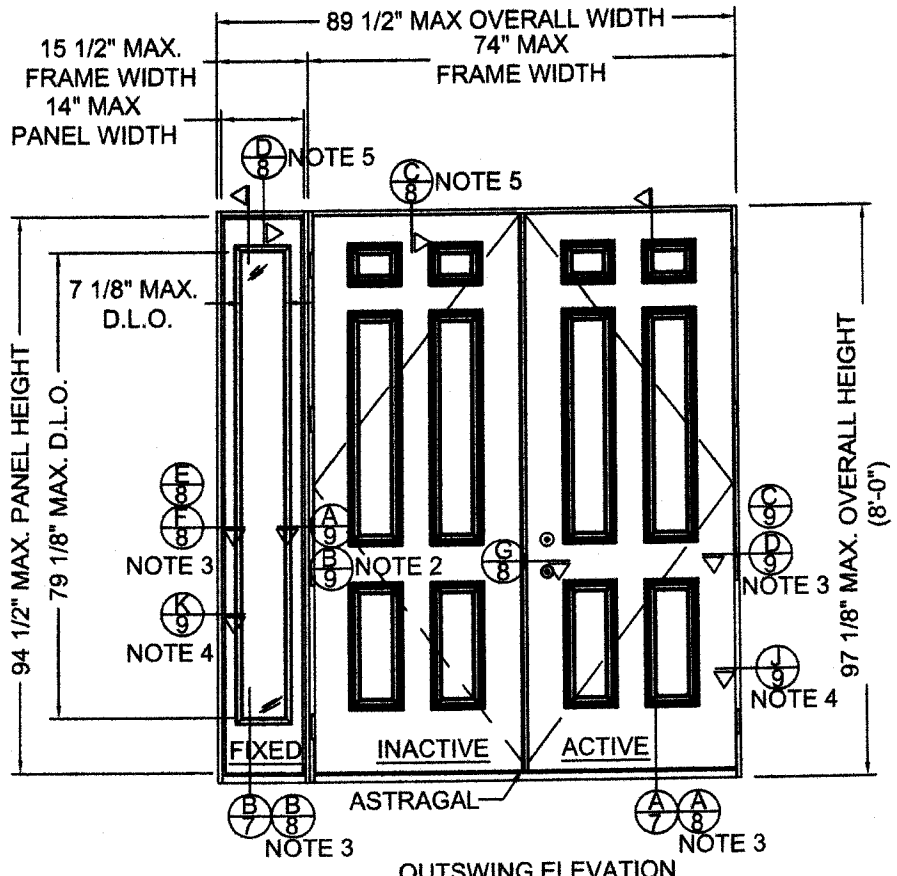
PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
PART OR ASSEMBLY: FIBERLAST DOOR SERIES
INSWING HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

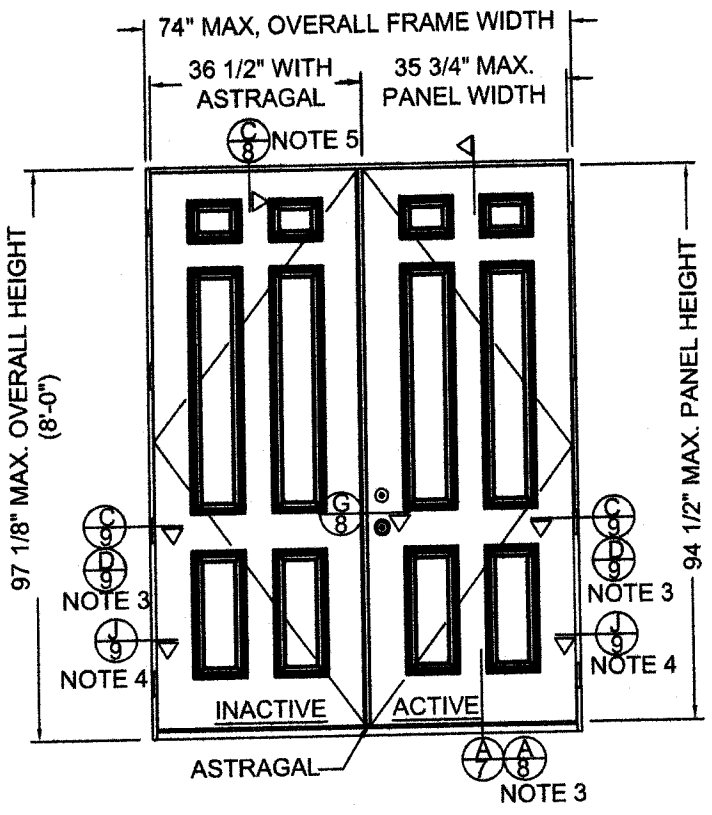
DATE: 05/27/2010
SCALE: 3"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 5 OF 13



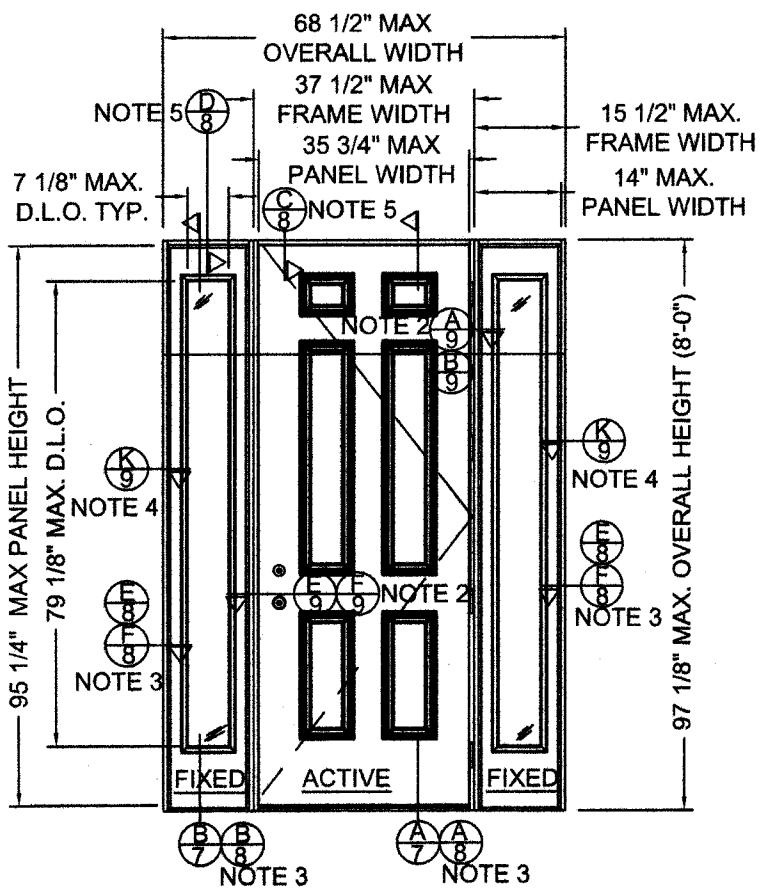
OUTSWING ELEVATION
(QUAD OXXO)
VIEWED FROM EXTERIOR



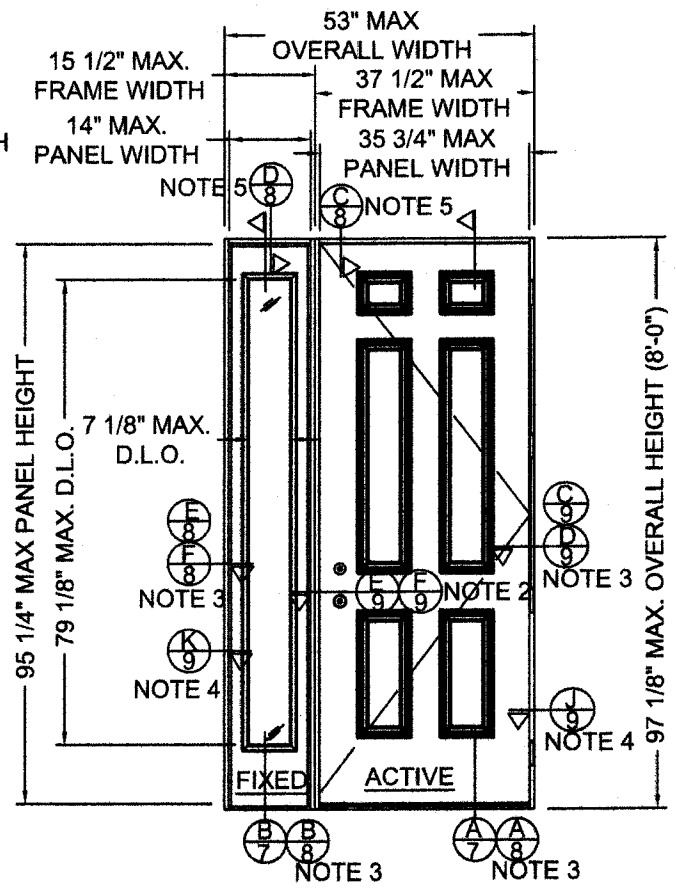
OUTSWING ELEVATION
(TRI UNIT OXX OR XXO)
VIEWED FROM EXTERIOR



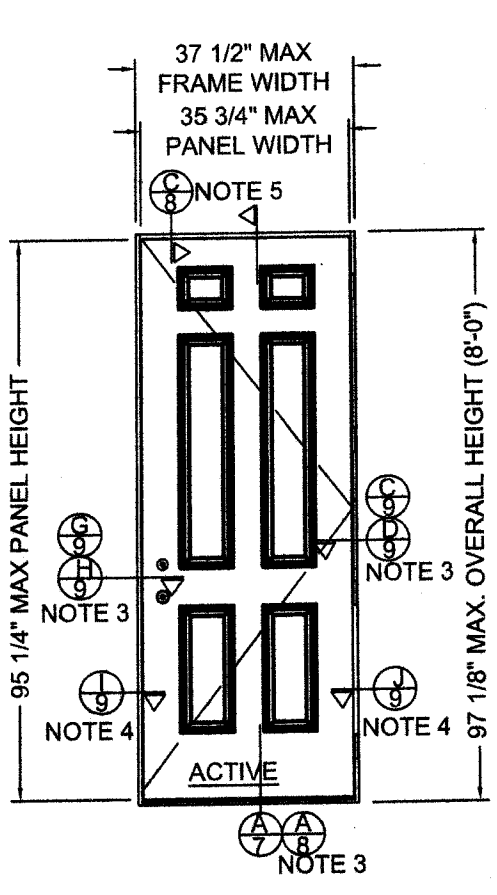
OUTSWING ELEVATION
(DUAL UNIT XX)
VIEWED FROM EXTERIOR



OUTSWING ELEVATION
(TRI UNIT OXO)
VIEWED FROM EXTERIOR



OUTSWING ELEVATION
(DUAL UNIT OX OR XO)
VIEWED FROM EXTERIOR



OUTSWING ELEVATION
(SINGLE UNIT X)
VIEWED FROM EXTERIOR

NOTES:
1 - ALL VIEWS FROM EXTERIOR.
2 - MULL POSTS & DOUBLE BACK JAMBS ARE INTERCHANGEABLE. (SEE OPTIONAL CROSS SECTIONS, SHEET 9)
3 - MASONRY AND CONCRETE INSTALLATION DETAILS.
4 - FOR HORIZONTAL ANCHOR IN 1X BUCK OPTION IN MASONRY/CONCRETE. SEE SHEET 9 FOR DETAILS.
5 - FOR VERTICAL ANCHOR IN 1X BUCK OPTION IN MASONRY/CONCRETE. SEE SHEET 8 FOR DETAILS.

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

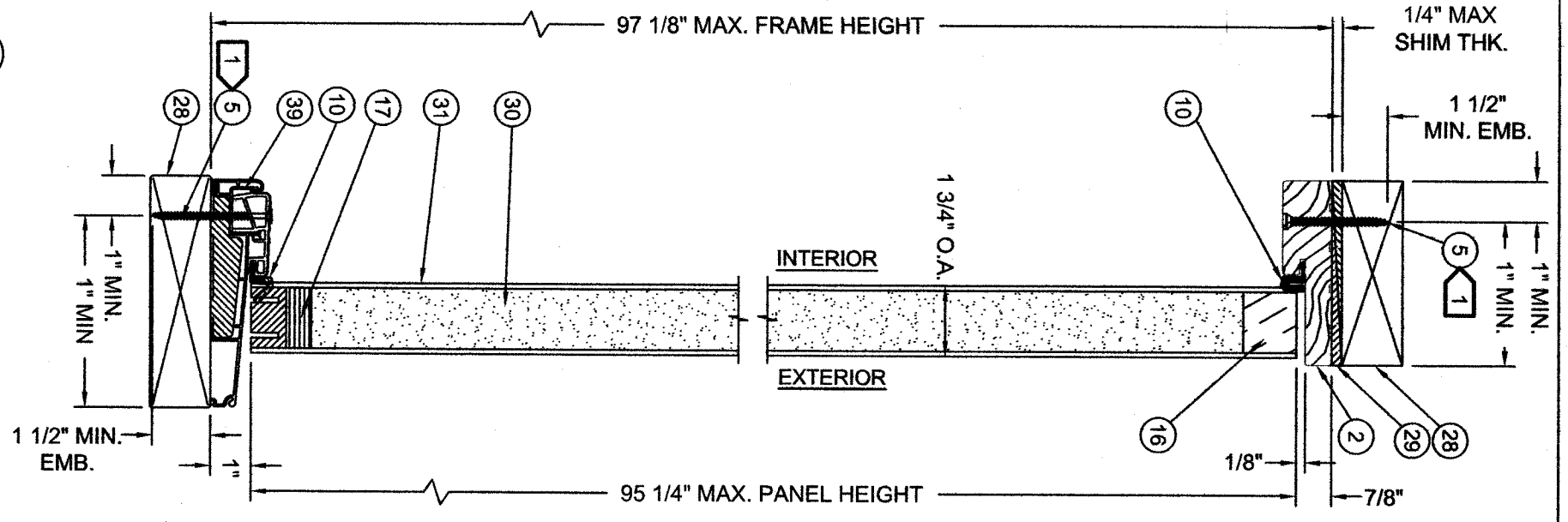
PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES
PART OR ASSEMBLY: OUTSWING ELEVATIONS

NO.	DATE	REVISIONS	BY

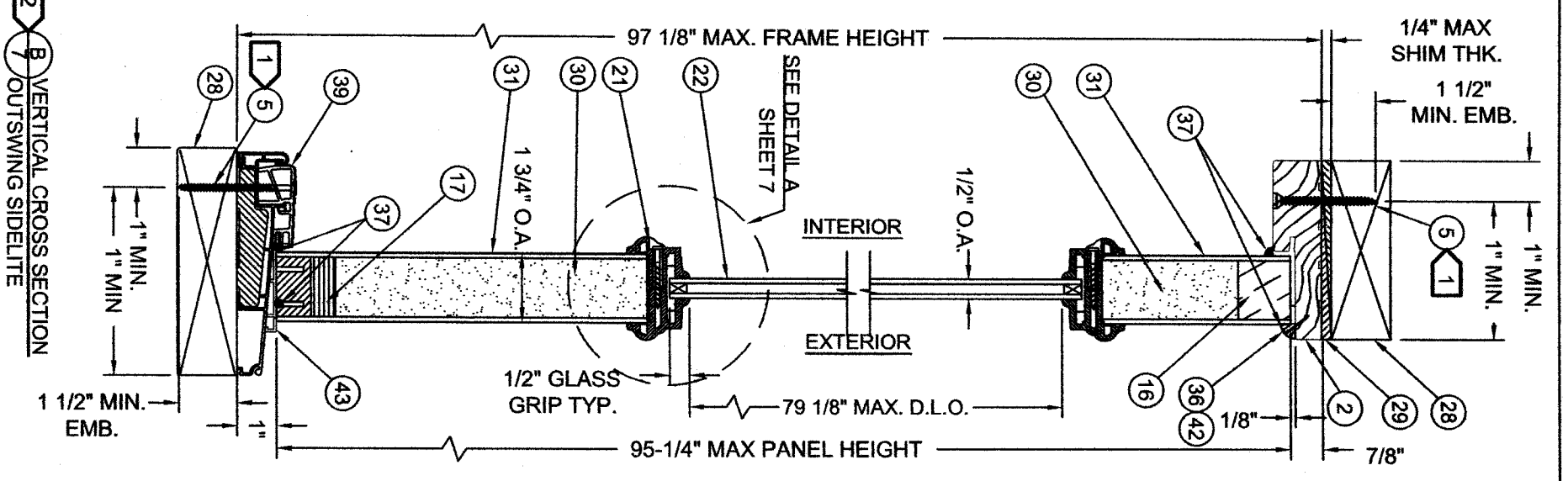
DATE: 05/27/2010
SCALE: 3/8"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 6 OF 13

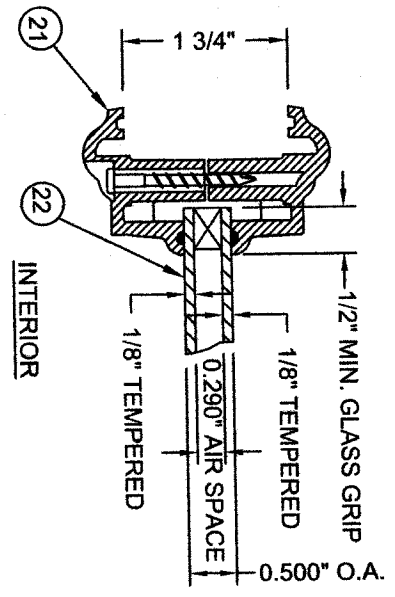
Alexis Spyrou
CertWorks, LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

2/7 A VERTICAL CROSS SECTION
OUTSWING OPERATOR
IN WOOD FRAME
SCALE: 3"=1'-0"



2/7 B VERTICAL CROSS SECTION
OUTSWING SIDELITE
IN WOOD FRAME
SCALE: 3"=1'-0"





DETAIL - A
SCALE: 6"=1'-0"

NOTES:

1. FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING (ITEMS #5 OR #9), SEE SHEET11. ALL ANCHORS IN WOOD OR CONCRETE/MASONRY, SEE NOTE 8, SHEET 1.
2. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.

Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

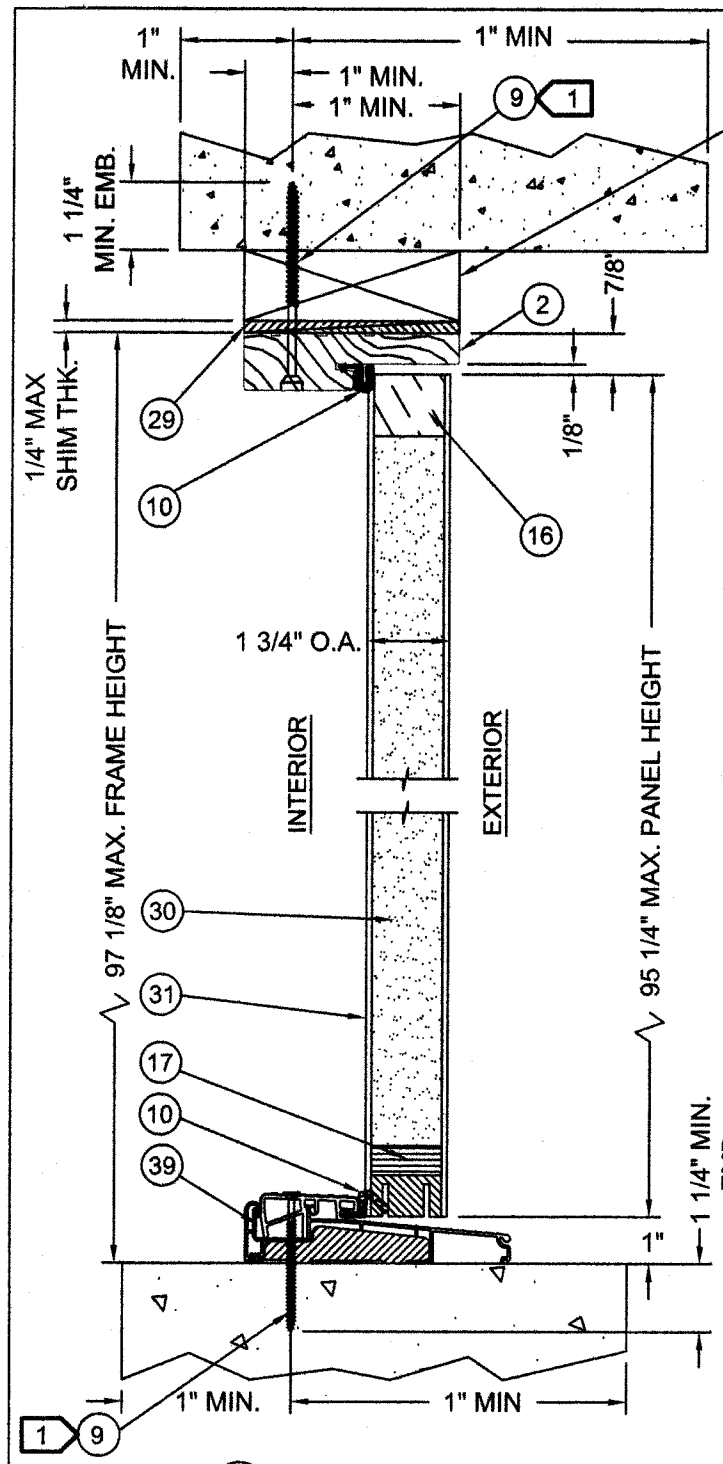
NO.	DATE	REVISIONS	BY

PRODUCT:
8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES

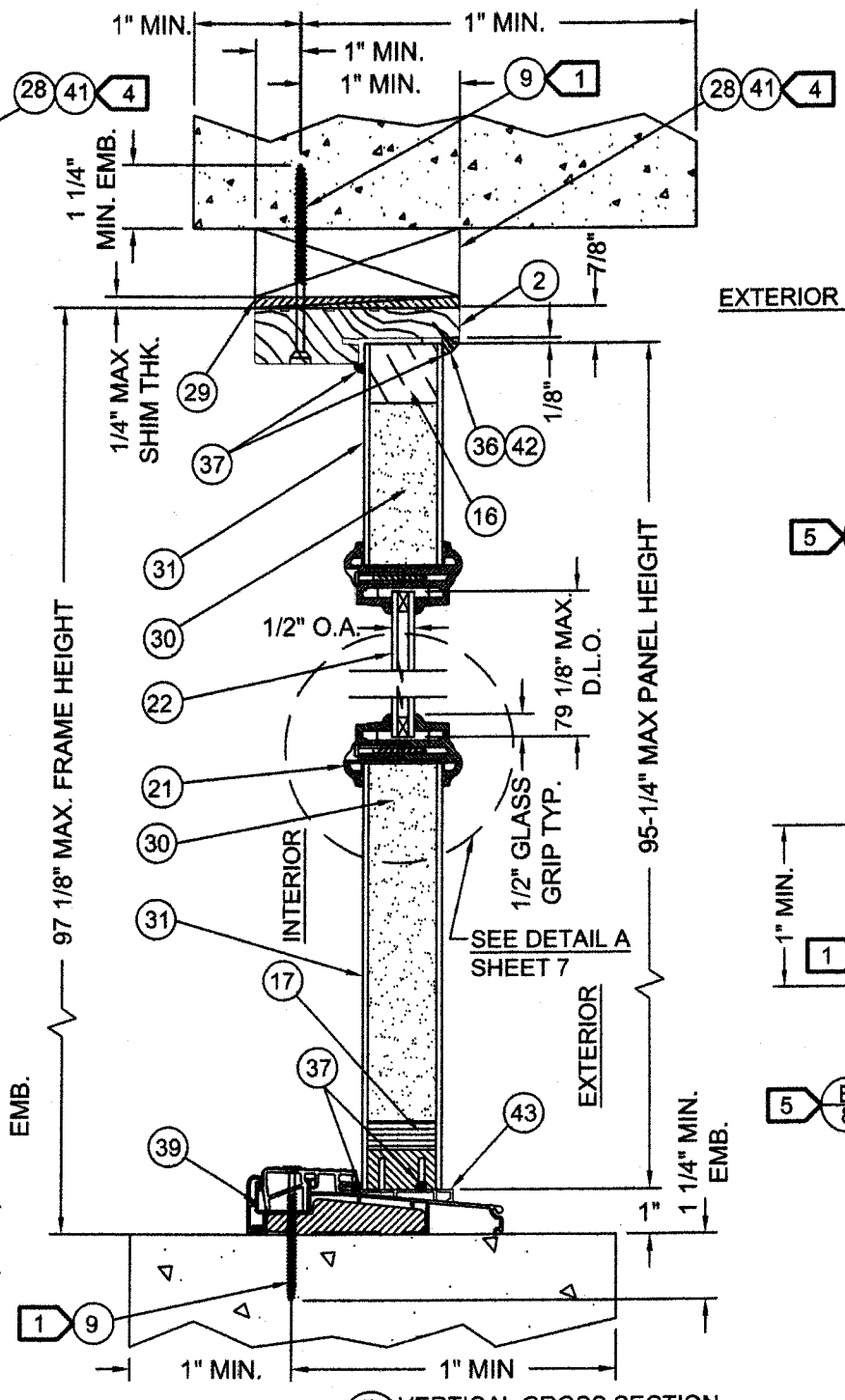
PART OR ASSEMBLY:
OUTSWING VERTICAL CROSS SECTIONS
& GLAZING DETAIL

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

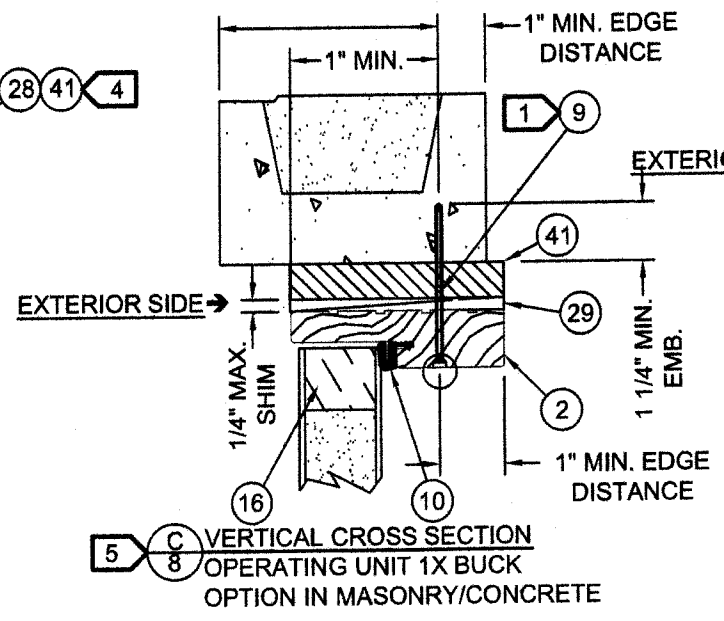
DATE: 05/27/2010
SCALE: AS SHOWN
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 7 OF 13



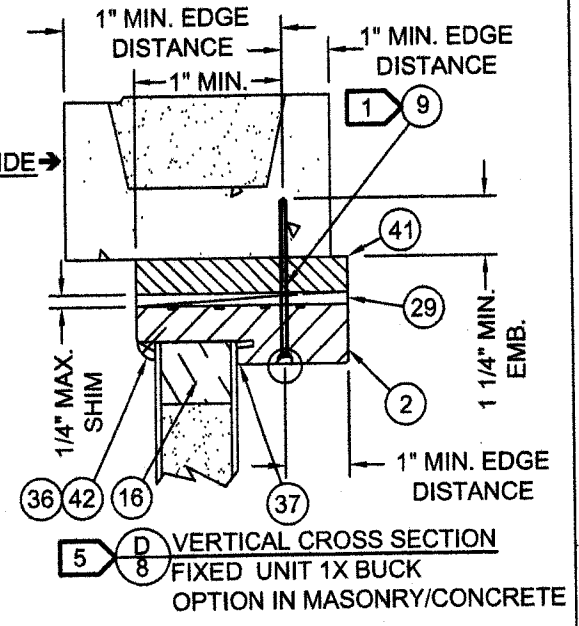
5 A/8 VERTICAL CROSS SECTION
OUTSWING OPERATOR IN CONCRETE/MASONRY



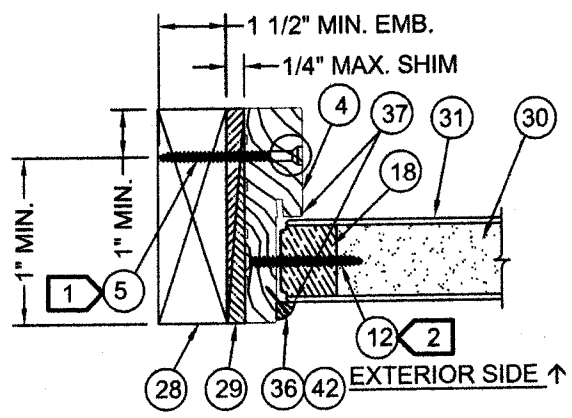
5 B/8 VERTICAL CROSS SECTION
OUTSWING SIDELITE IN CONCRETE/MASNORY



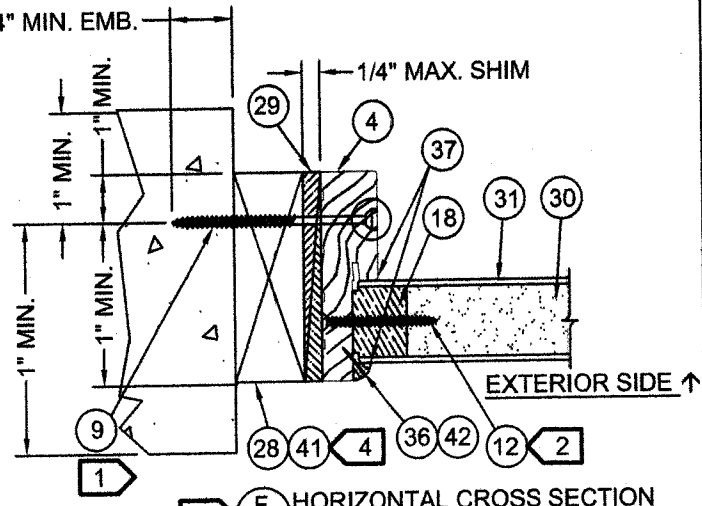
5 C/8 VERTICAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE



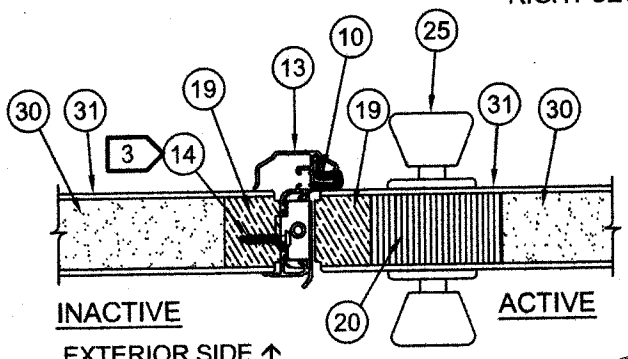
5 D/8 VERTICAL CROSS SECTION
FIXED UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE



5 E/8 HORIZONTAL CROSS SECTION
WOOD CONSTRUCTION
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



5 F/8 HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



G/8 HORIZONTAL CROSS SECTION
ASTRAGAL

NOTES:

1. FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING ITEMS #5 OR #9), SEE SHEET 11. FOR ANCHORS IN WOOD OR CONCRETE/ MASNORY, SEE NOTE 8 SHEET 1.
2. SPACING FOR #12 FROM TOP OF SIDELITE DOWN (SEE SHEET 10).
3. ASTRAGAL SCREW PATTERN SPACING FOR #13 (SEE SHEET 12).
4. 1X BUCK MAY BE UTILIZED AS AN OPTION. FOR VERTICAL SECTIONS, SEE DETAILS C/8 D/8 SHEET 8.
   HORIZONTAL SECTIONS: DETAILS I/9 J/9 K/9 SHEET 9.
5. OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

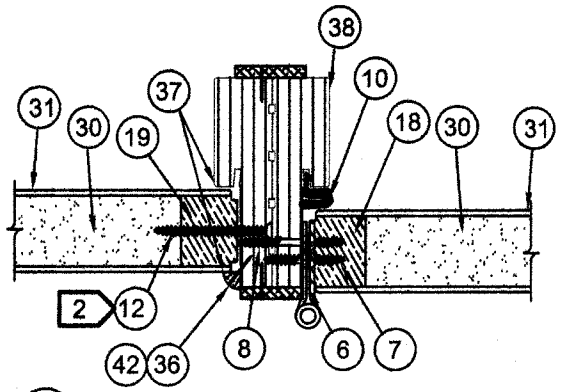
PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE FIBERLAST DOOR SERIES

PART OR ASSEMBLY: OUTSWING VERTICAL & HORIZONTAL CROSS SECTIONS

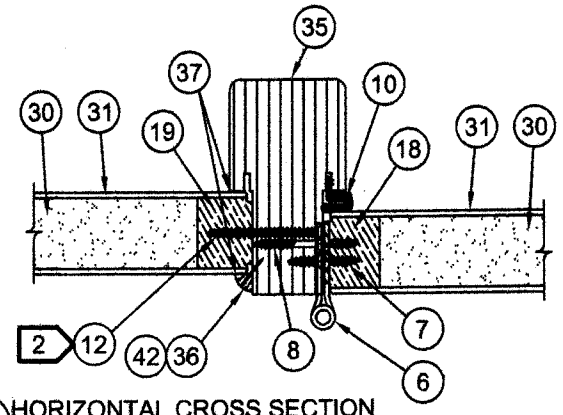
NO.	DATE	REVISIONS	BY

DATE: 05/27/2010
SCALE: 3"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 8 OF 13

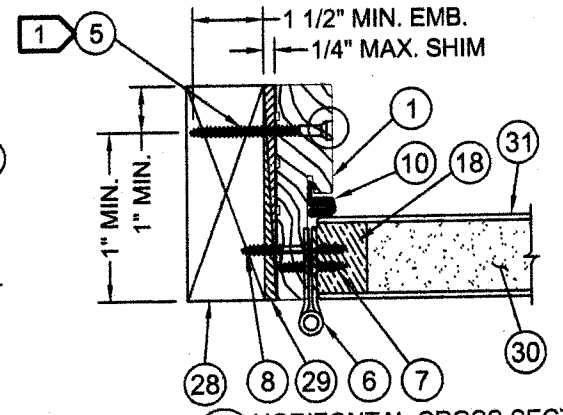
Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789



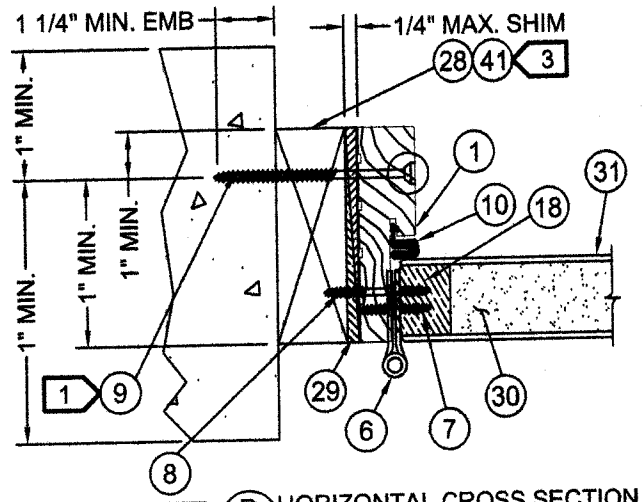
A 9 HORIZONTAL CROSS SECTION
DOUBLE BACK JAMB
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



B 9 HORIZONTAL CROSS SECTION
SOLID MULL POST
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

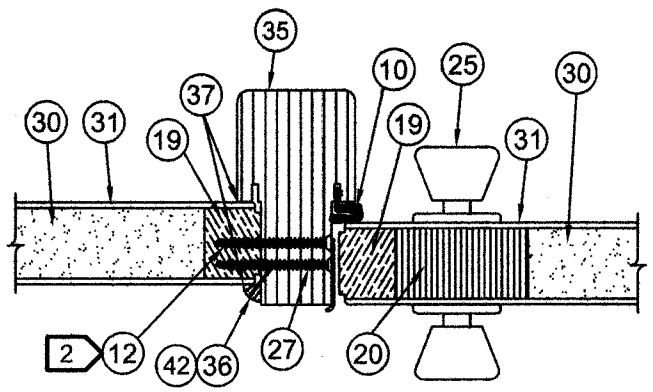


4 C 9 HORIZONTAL CROSS SECTION
AT HINGE WOOD INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

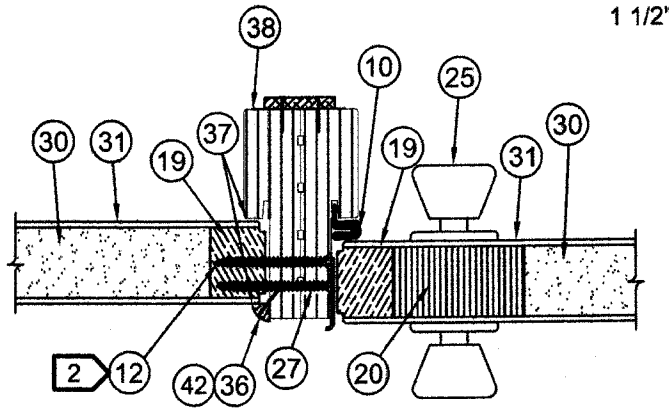


4 D 9 HORIZONTAL CROSS SECTION
AT HINGE CONCRETE/MASONRY INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

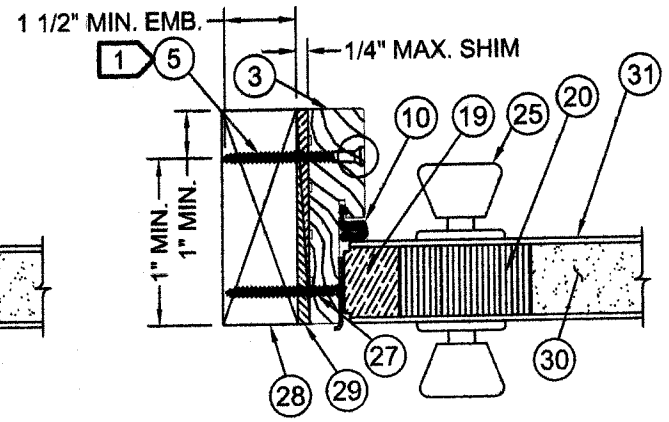
INTERIOR SIDE



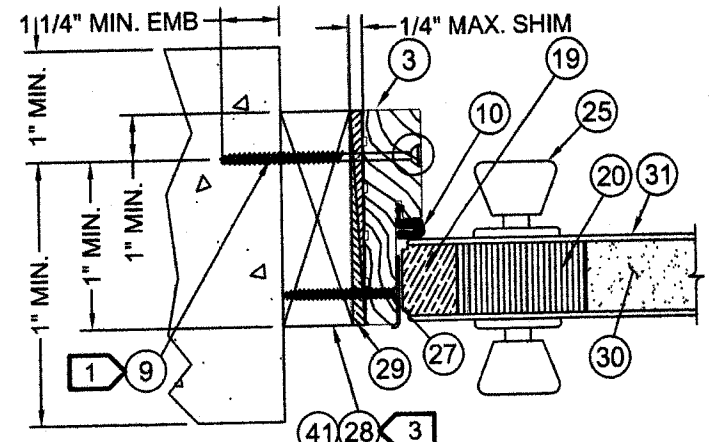
E 9 HORIZONTAL CROSS SECTION
SIDELITE AT SOLID MULL POST
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



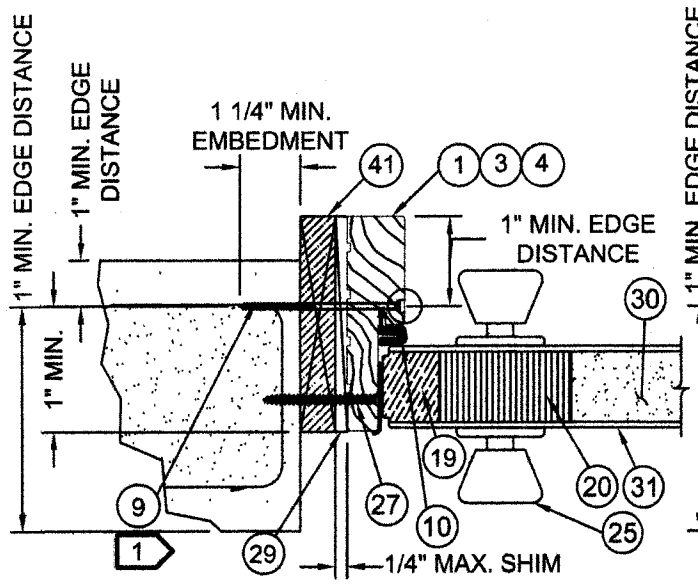
F 9 HORIZONTAL CROSS SECTION
SIDELITE AT DOUBLE BACK JAMB
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



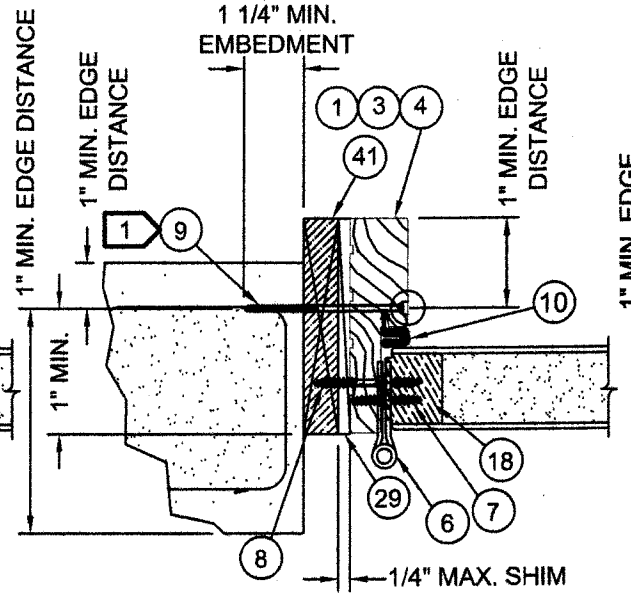
4 G 9 HORIZONTAL CROSS SECTION
HAND SET WOOD INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



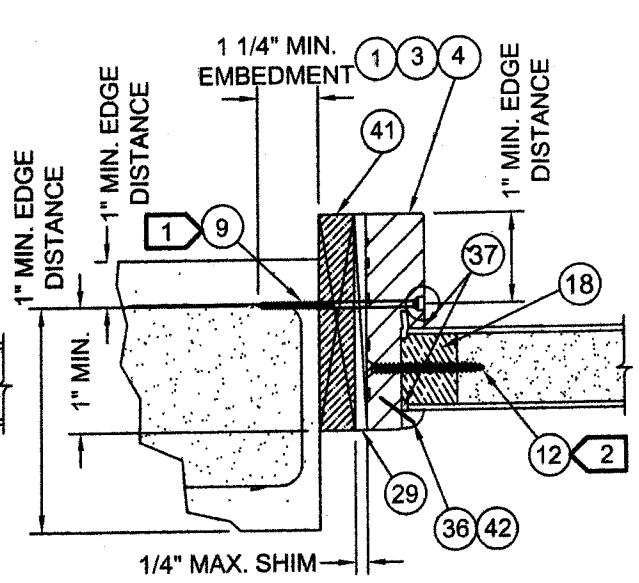
4 H 9 HORIZONTAL CROSS SECTION
HAND SET CONCRETE/MASONRY INSTALL
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 I 9 HORIZONTAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 J 9 HORIZONTAL CROSS SECTION
OPERATING UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)



4 K 9 HORIZONTAL CROSS SECTION
FIXED UNIT 1X BUCK
OPTION IN MASONRY/CONCRETE
(LEFT SECTION SHOWN,
RIGHT SECTION OPPOSITE)

NOTES:

1 FOR TAPCON MASONRY AND WOOD SCREW ANCHOR SPACING ITEMS #5 OR #9), SEE SHEET 11. FOR ANCHORS IN WOOD OR CONCRETE/ MASNORY, SEE NOTE 8 SHEET 1.

2 SPACING FOR #12 FROM TOP OF SIDELITE DOWN (SEE SHEET 10).

3 1X BUCK MAY BE UTILIZED AS AN OPTION. FOR
VERTICAL SECTIONS, SEE DETAILS C 8 D 8 SHEET 8.
HORIZONTAL SECTIONS: DETAILS I 9 J 9 K 9 SHEET 9.

4 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT IS ACHIEVED.

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Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

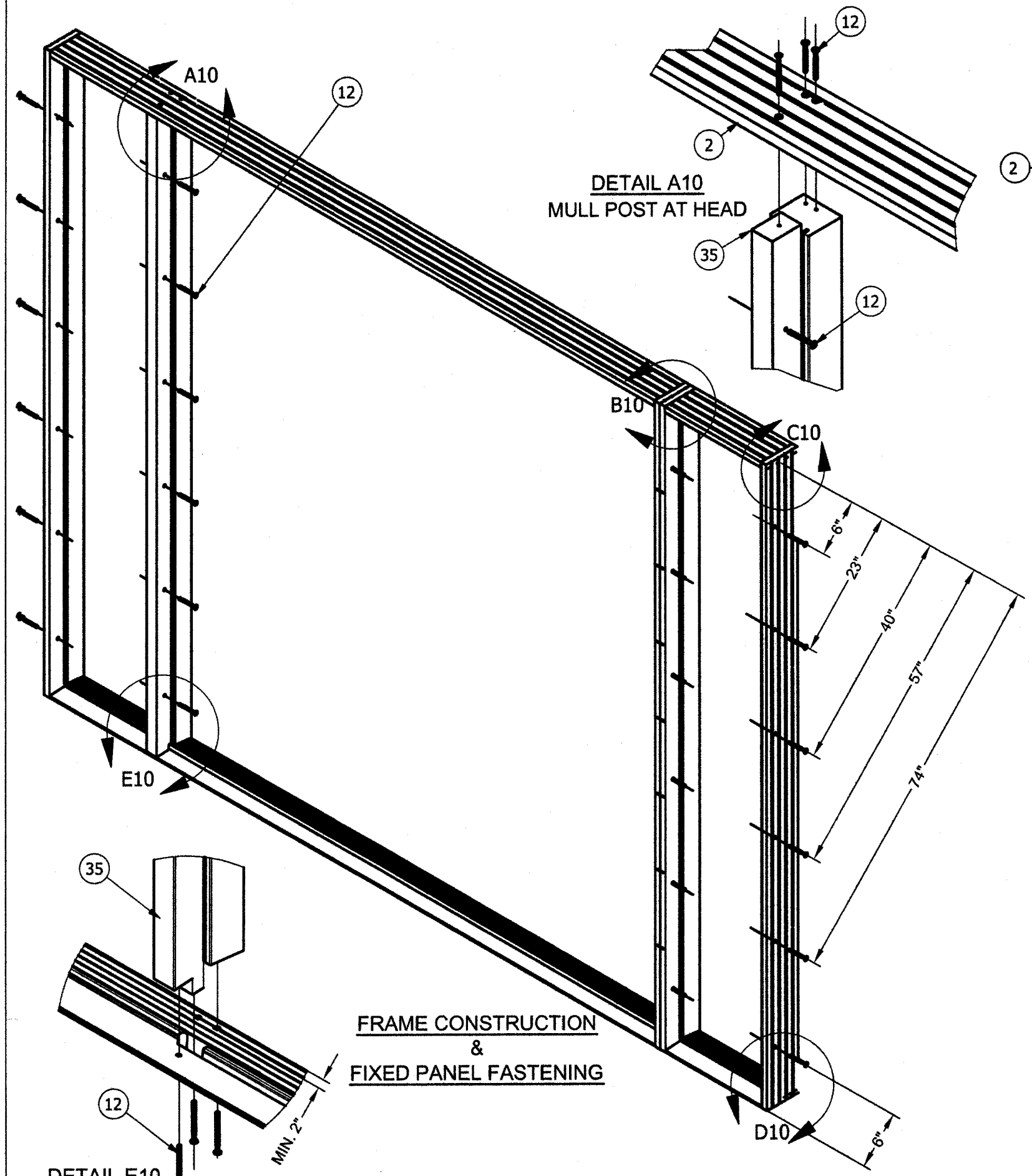
PRODUCT:
8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES

PART OR ASSEMBLY:
OUTSWING HORIZONTAL CROSS SECTIONS

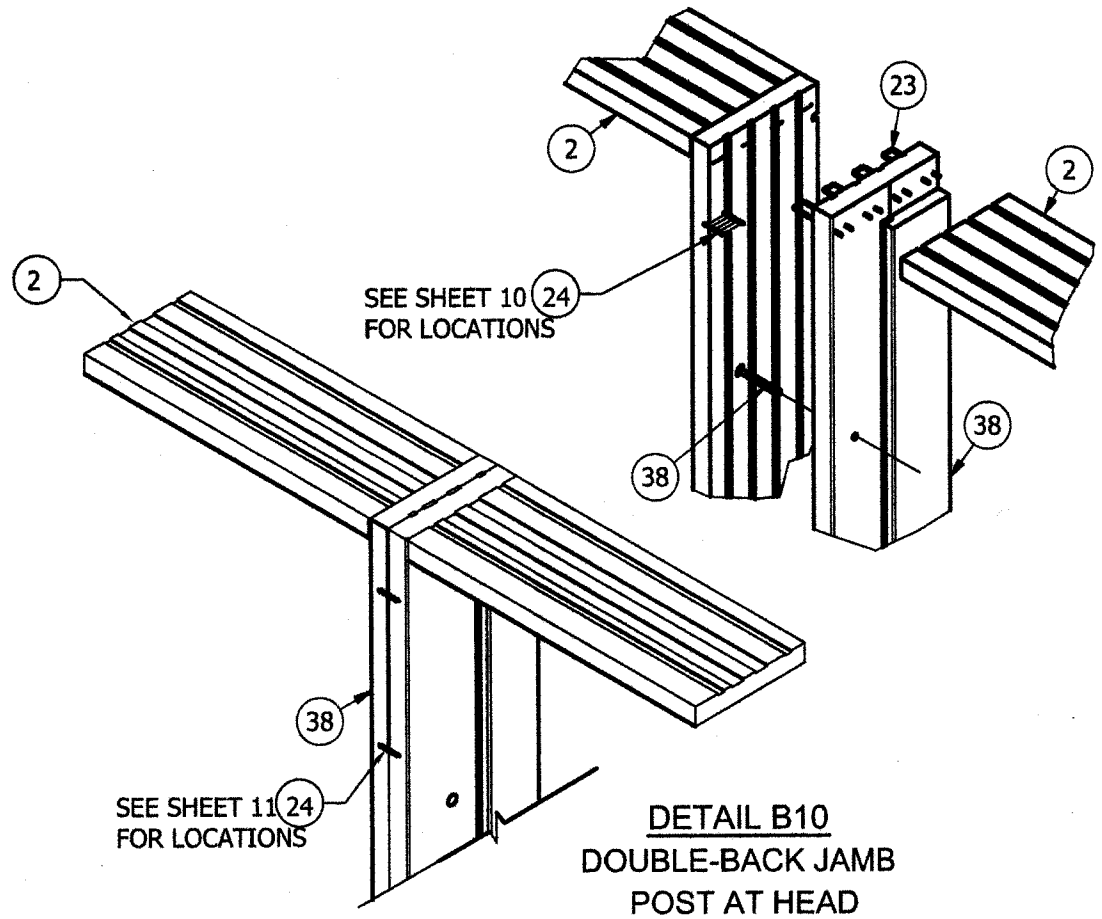
NO.	DATE	BY	REVISIONS

DATE: 05/27/2010
SCALE: 3"=1'-0"
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 9 OF 13

Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789



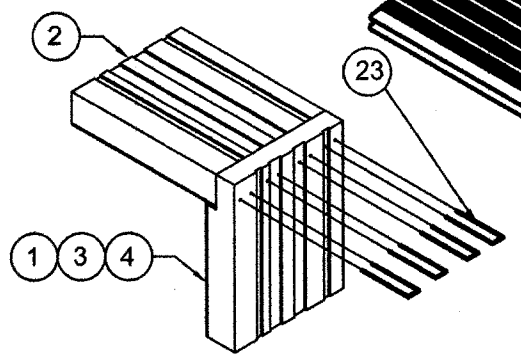
DETAIL A10
MULL POST AT HEAD



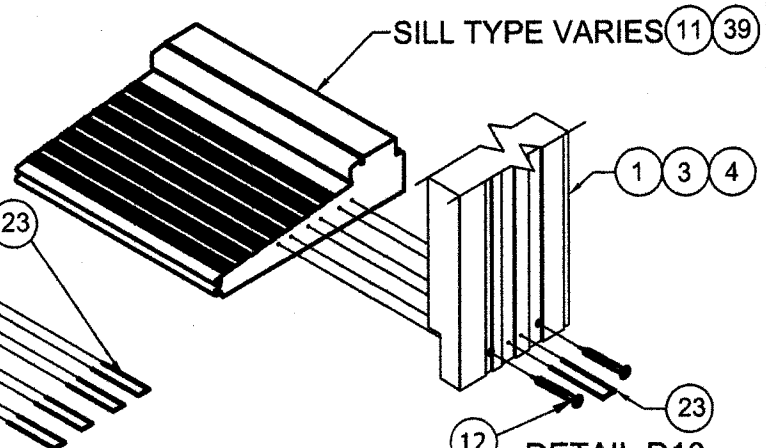
DETAIL B10
DOUBLE-BACK JAMB
POST AT HEAD

DETAIL E10
MULL POST AT SILL

FRAME CONSTRUCTION
&
FIXED PANEL FASTENING



DETAIL C10
SIDE JAMB
AT HEAD



DETAIL D10
SIDE JAMB
AT SILL

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT:
8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES

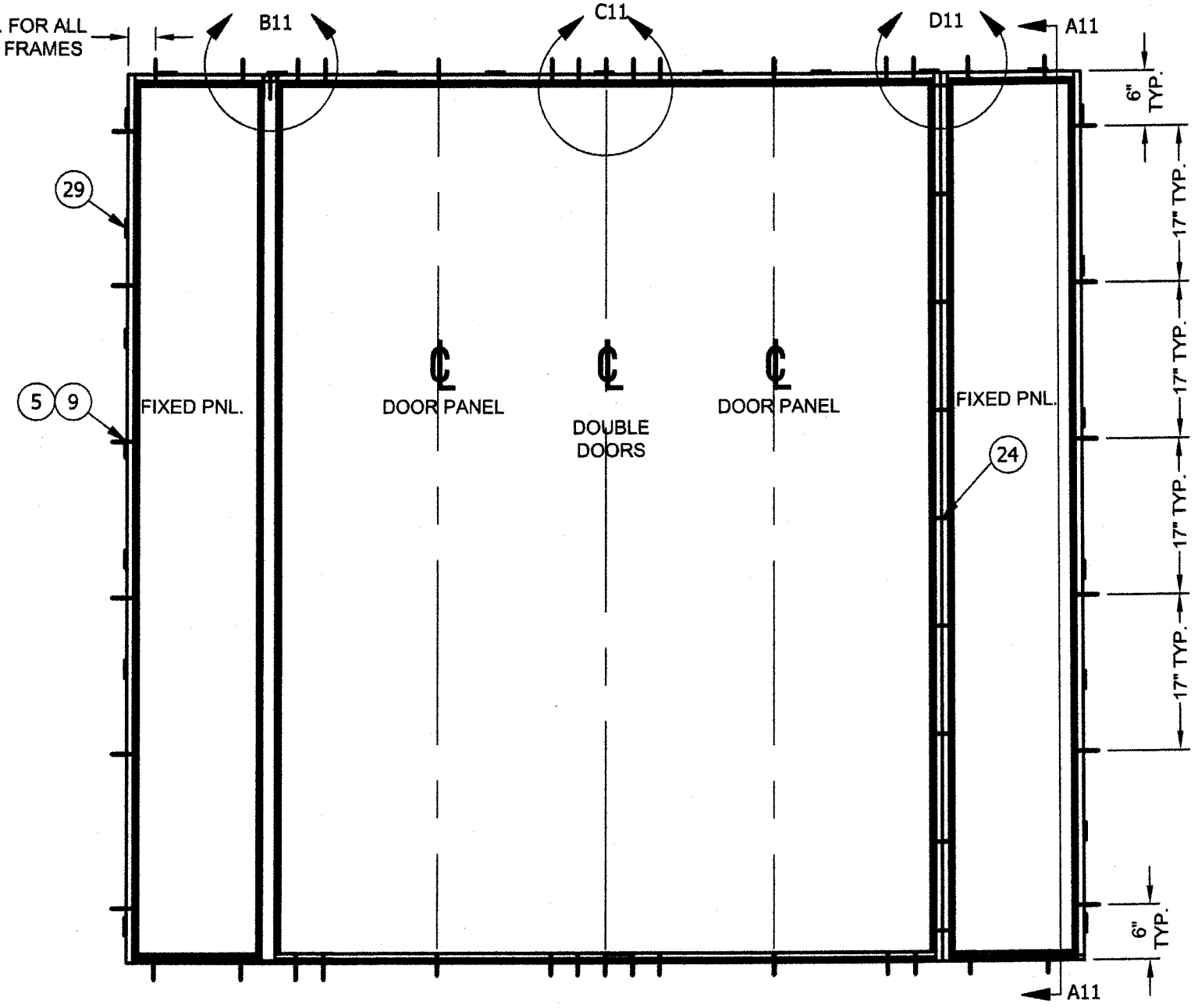
PART OR ASSEMBLY:
FRAME CONSTRUCTION & FIXED PANEL
FASTENING

NO.	DATE	REVISIONS	BY

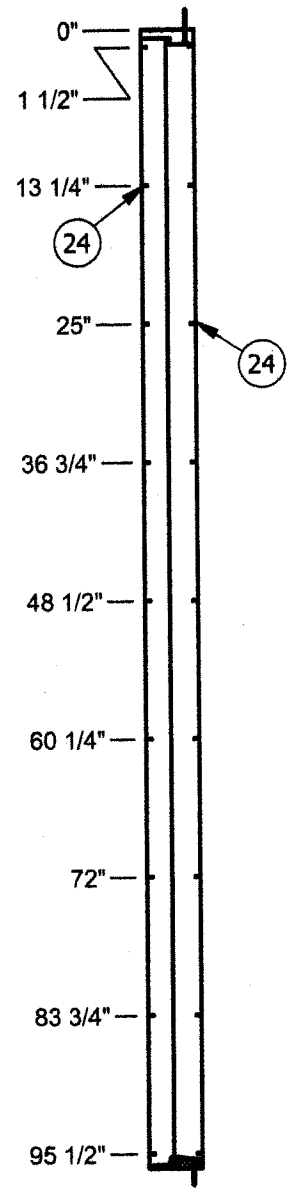
STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER
4-5-11

Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

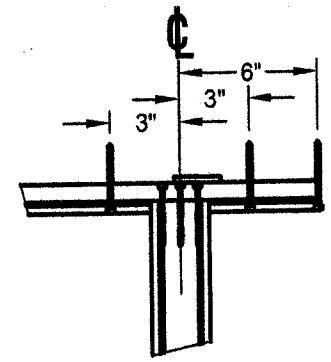
DATE: 05/27/2010
SCALE: NO SCALE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 10 OF 13



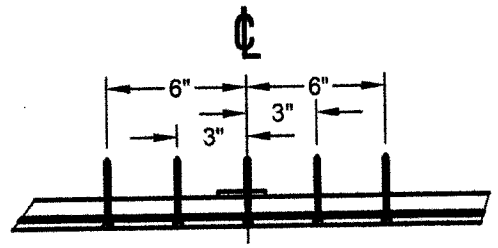
QUAD UNIT OXXO
ANCHOR SPACING W/ NARROW SIDELITE
INSWING AND OUTSWING



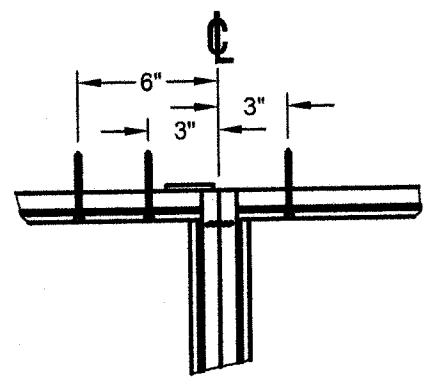
SECTION A11
TYP. CORRUGATED FASTENER
LOCATIONS FOR DOUBLE BACK JAMBS
INSWING AND OUTSWING



DETAIL B11
TYP. FASTENER
ANCHOR FOR ALL
MULL POSTS HEAD & SILL



DETAIL C11
TYP. FASTENER
ANCHOR FOR ALL
DOUBLE DOORS
WITH ASTRAGALS
HEAD & SILL



DETAIL D11
TYP. FASTENER
ANCHOR FOR ALL
DOUBLE-BACK MULL POSTS
HEAD AND SILL

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT:
8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES

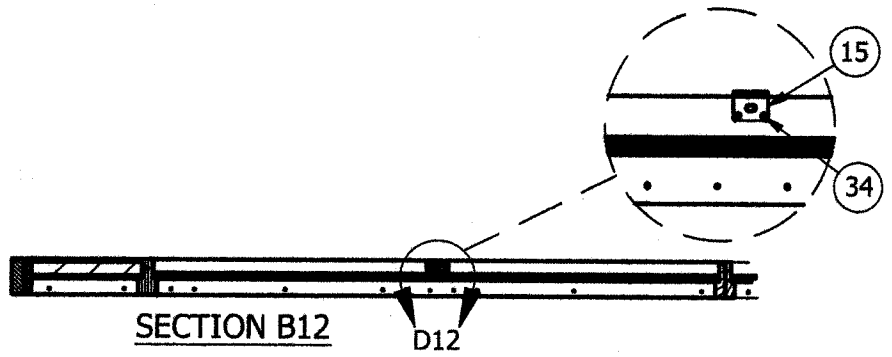
PART OR ASSEMBLY:
ANCHORING LOCATIONS
NARROW SIDELITE

NO.	DATE	BY

REVISIONS

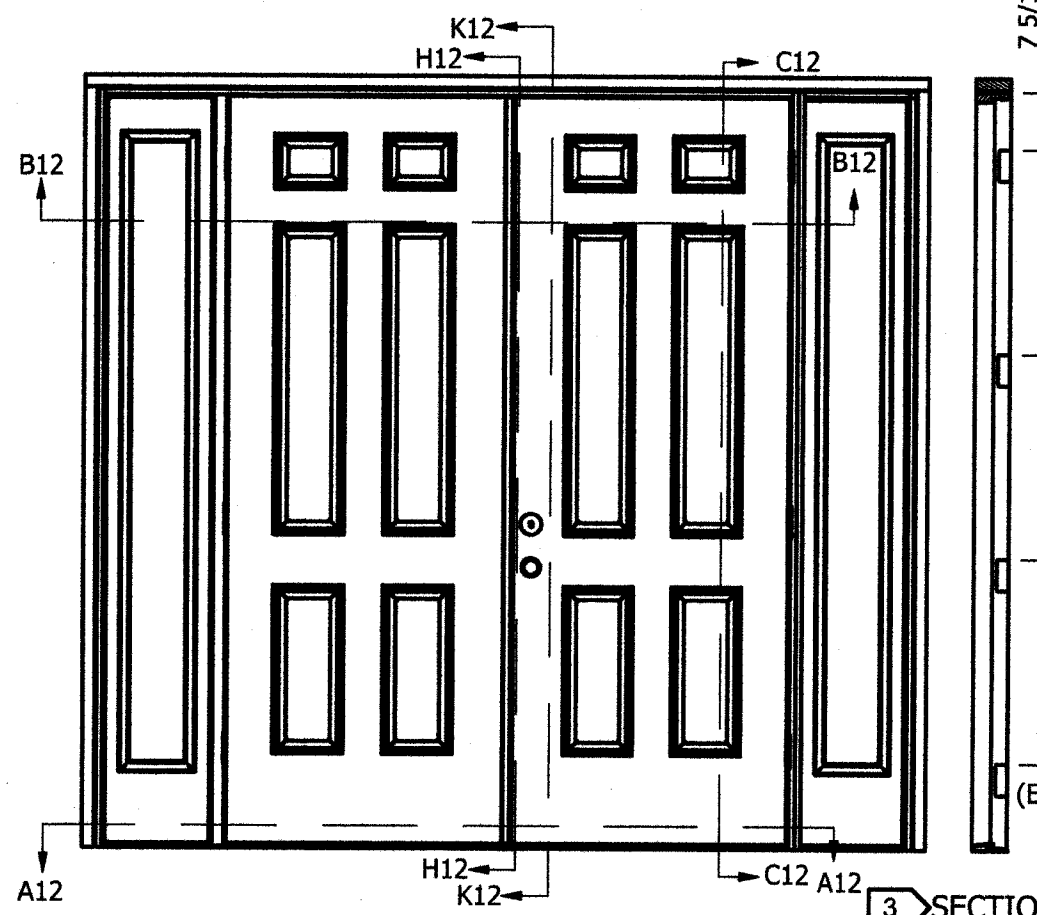
DATE: 05/27/2010
SCALE: NO SCALE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 11 OF 13

Alexis Spyrou
CertWorks LLC.
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789

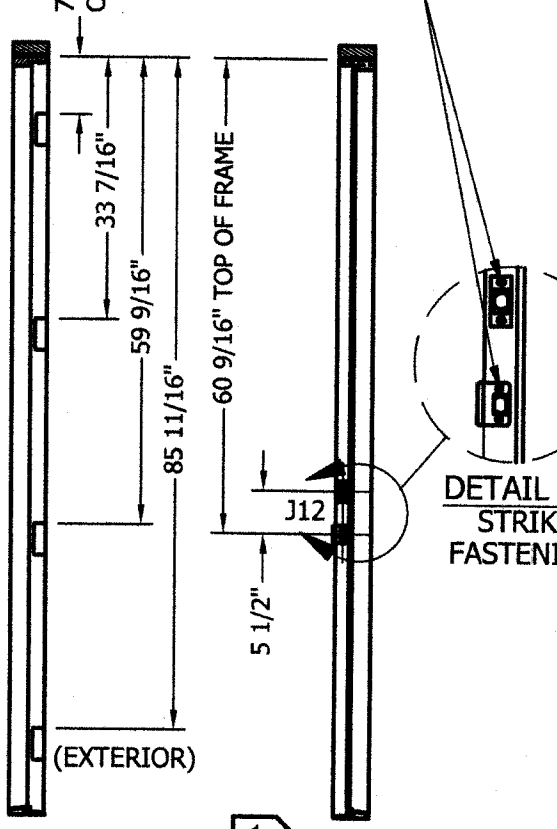


1 DETAIL D12
TYP. TOP ASTRAGAL
STRIKE PLATE LOCATION

SECTION B12



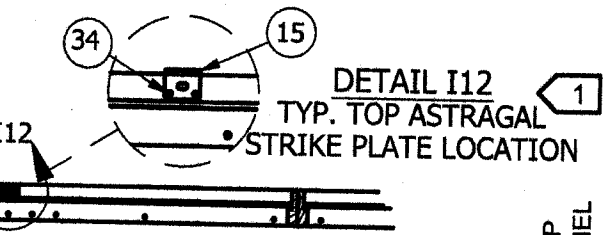
OUTSWING QUAD UNIT OXXO
TYP. FOR ALL
OUTSWING SYSTEMS



3 SECTION C12
JAMB HINGE ROUTE
LOCATIONS, ALL DOOR
SYSTEMS

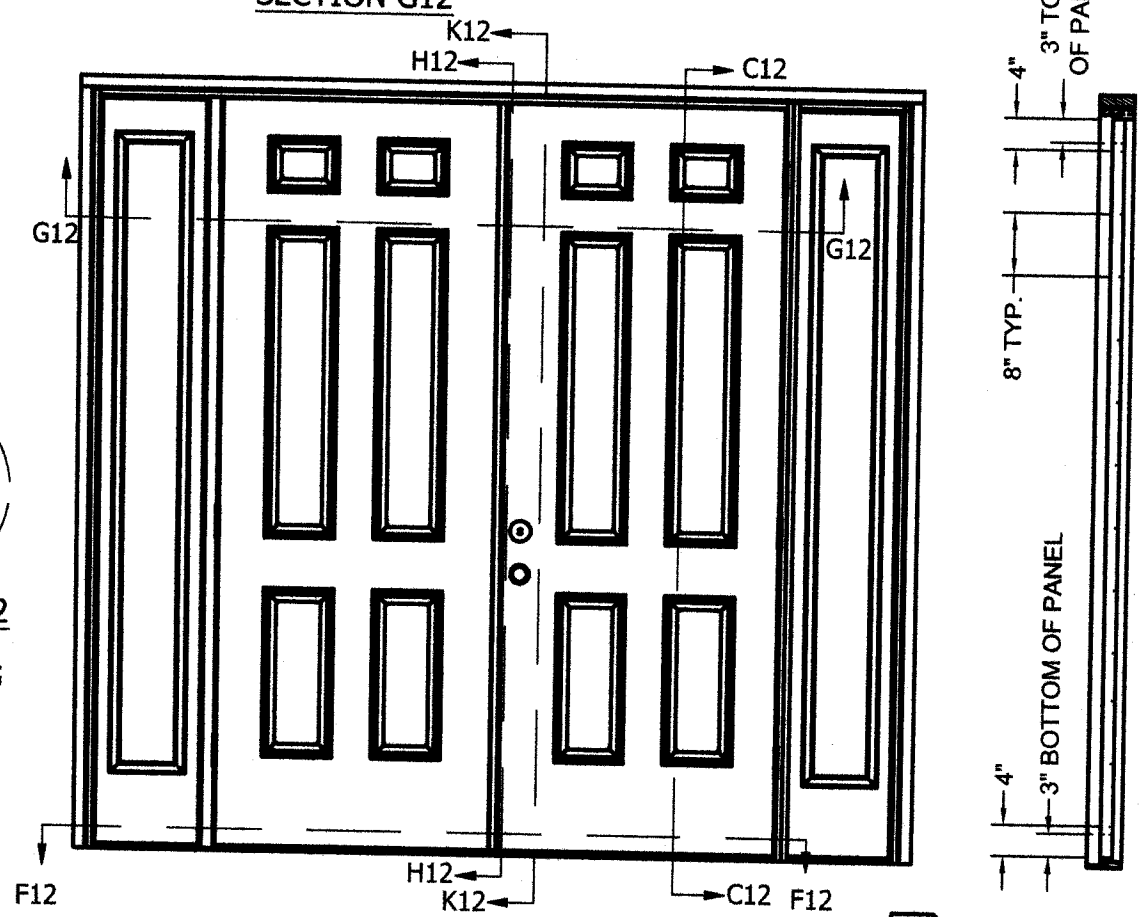
DETAIL J12
STRIKE
FASTENING

1 SECTION K12
DOOR STRIKE PLATE
LOCATIONS, ALL DOOR
SYSTEMS



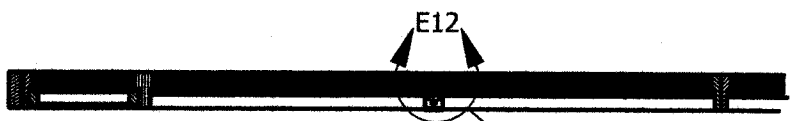
DETAIL I12
TYP. TOP ASTRAGAL
STRIKE PLATE LOCATION
1

SECTION G12

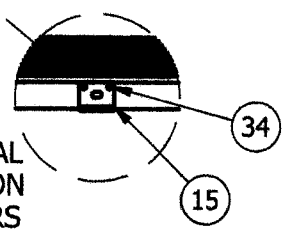


INSWING QUAD UNIT OXXO
TYP. FOR ALL
INSWING SYSTEMS

1 SECTION H12
ASTRAGAL SCREW
LOCATIONS, ALL
DOOR SYSTEMS



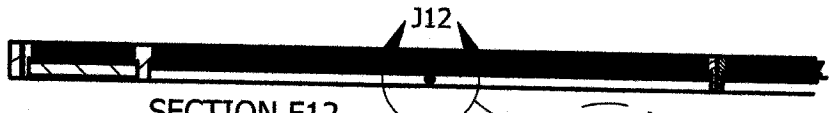
SECTION A12



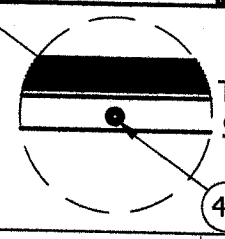
DETAIL E12
1 TYP. BOTTOM ASTRAGAL
STRIKE PLATE LOCATION
FOR OUTSWING DOORS

NOTES:

1. FOLLOW ENDURA INSTRUCTIONS WITH PACKET
2. USE 2" LONG #8 FLAT HEAD PHILLIPS SCREWS INSTEAD OF 3"
3. FOR HINGE ROUTE AT TOP OF PANEL STARTING AT THE HEAD:
   6-7/16", 32 9/16", 58 11/16", 84 13/16"



SECTION F12



1 DETAIL J12
TYP. BOTTOM ASTRAGAL
STRIKE PLUG LOCATION
FOR INSWING DOORS

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE FIBERLAST DOOR SERIES

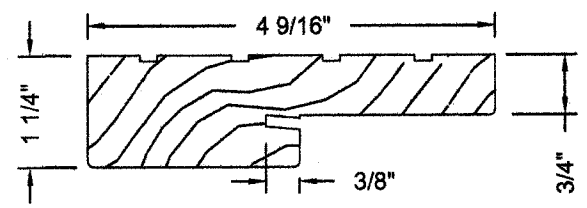
PART OR ASSEMBLY: HARDWARE INSTALLATION DETAILS

NO.	DATE	REVISIONS	BY

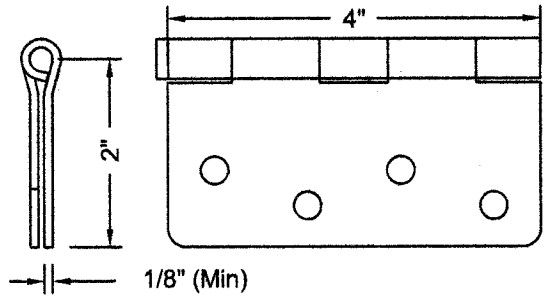
DATE: 05/27/2010
SCALE: NO SCALE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 12 OF 13

STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED PROFESSIONAL ENGINEER
4-5-11

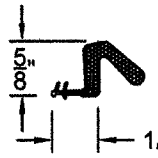
Alexis Spyrou
CertWorks LLC
Texas P.E. No. 102957
127 W. Fairbanks Ave. Ste. 438
Winter Park, FL 32789



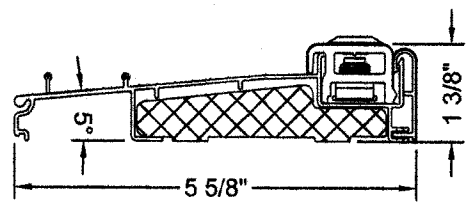
1 2 3 4 WOOD JAMB FINGERJOINTED PINE
SCALE: 6" =1'-0"



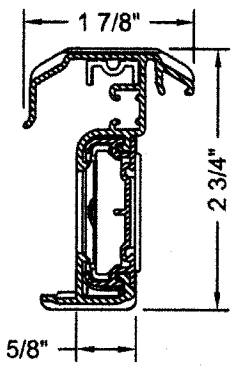
6 BUTT HINGE 4x4x12 GA. STEEL
SCALE: 6" =1'-0"



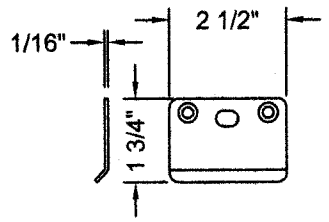
10 COMPRESSION WEATHERSTRIP
LOXSEAL 9650 FOAM
SCALE: 6" =1'-0"



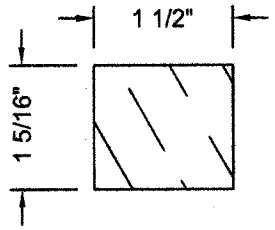
11 ENDURA INSWING THRESHOLD
6063 T6 AL AND COMPOSITE
SCALE: 6" =1'-0"



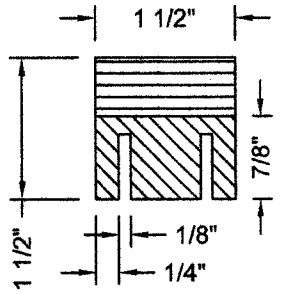
13 ENDURA ULTIMATE HURRICANE
6063-T6 ALUMINUM ASTRAGAL
SCALE: 6" =1'-0"



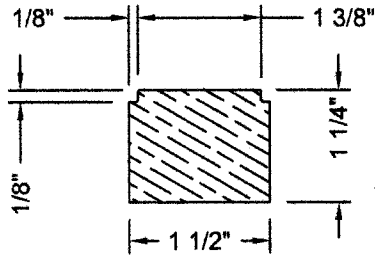
15 ENDURA ASTRAGAL STRIKE
STEEL
SCALE: 3" =1'-0"



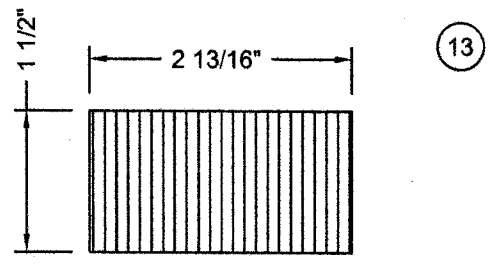
16 TOP RAIL
FINGERJOINTED PINE
SCALE: 6" =1'-0"



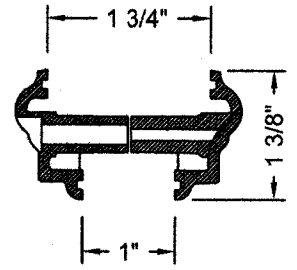
17 BOTTOM RAIL
PVC CAPPED LVL
SCALE: 6" =1'-0"



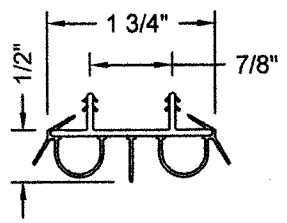
18 19 LATCH STILE
HINGE STILE
FINGERJOINTED PINE
SCALE: 6" =1'-0"



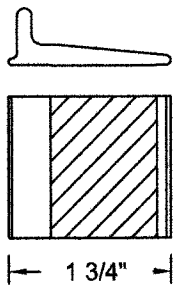
20 INNER LATCH STILE
LAMINATED VENEER LUMBER (LVL)
SCALE: 6" =1'-0"



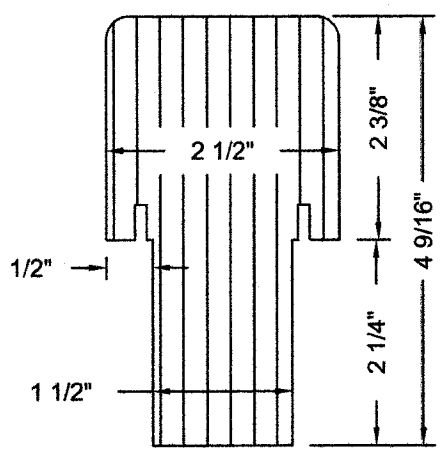
21 ODL LIP LITE - FRAME
PLASTIC
SCALE: 6" =1'-0"



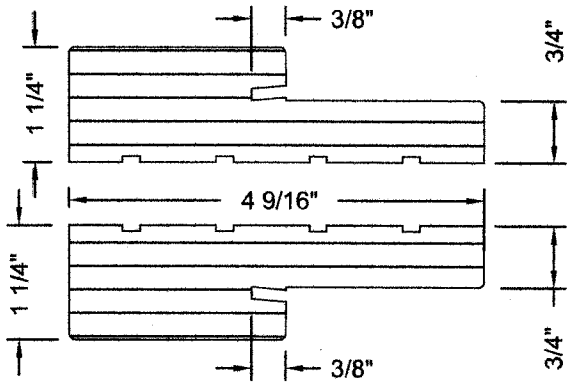
32 DOOR BOTTOM SWEEP
VINYL
SCALE: 6" =1'-0"



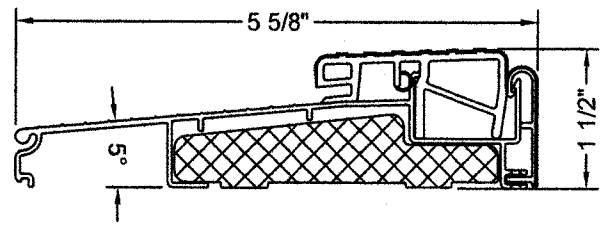
33 CORNER PADS
PLASTIC
SCALE: 6"=1'-0"



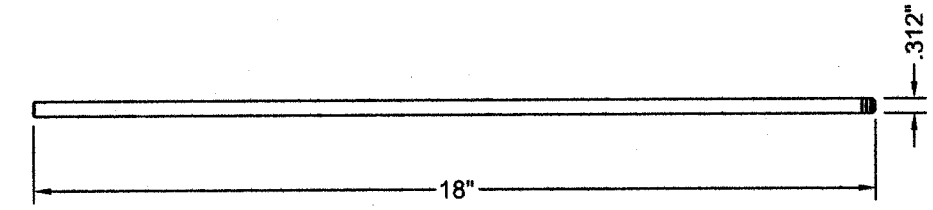
35 MULL POST
LAMINATED VENEER LUMBER (LVL)
SCALE: 6" =1'-0"



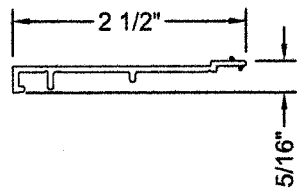
38 DOUBLE BACK JAMB
LAMINATED VENEER LUMBER (LVL)
SCALE: 6" =1'-0"



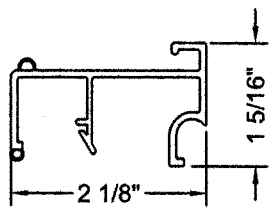
39 ENDURA OUTSWING THRESHOLD
6063 T6 AL AND COMPOSITE
SCALE: 6" =1'-0"



40 ASTRAGAL THROW BOLT
MATERIAL: COLD ROLLED STEEL, ZINC & YELLOW CHROMATE
SCALE: 3" =1'-0"



43 ENDURA OUTSWING SIDELITE SEAT
EXTRUDED VINYL
SCALE: 6" =1'-0"



44 ENDURA INSWING SIDELITE SEAT
EXTRUDED VINYL
SCALE: 6" =1'-0"

JELD-WEN
Research and Development
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT: 8'-4" X 8'-0" INSWING/OUTSWING OPAQUE
FIBERLAST DOOR SERIES
PART OR ASSEMBLY: COMPONENTS

NO.	DATE	REVISIONS	BY

DATE: 05/27/2010
SCALE: AS SHOWN
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: JW092010
SHEET 13 OF 13

Alexis Spyrou
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