

JELD-WEN DOOR
INSTALLATION DETAILS FOR INSWING AND OUTSWING
AURORA FIBERGLASS NON-IMPACT
OXO OPAQUE & FULL LITE ACTIVE PANELS
W/ OR W/O FULL LITE SIDELITES
UP TO 9'-0" X 7'-0"

GENERAL NOTES

- THIS PRODUCT IS DESIGNED TO COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE (I.B.C.) & INTERNATIONAL RESIDENTIAL CODE (I.R.C.) AND THE CURRENT FLORIDA BUILDING CODES (FBC). PRODUCT HAS BEEN TESTED TO ASTM E283-04(2012), ASTM E330-14, AAMA 1304-02.
- 1X AND 2X WOOD BUCKS WHEN USED BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. WOOD BUCKS MUST HAVE A SPECIFIC GRAVITY OF 0.55 OR GREATER.
- CONCRETE OR MASONRY MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. CONCRETE MATERIAL SHALL HAVE A MINIMUM Fc OF 3000psi OR MASONRY/CMU SHALL CONFORM TO ASTM C90.
- PRODUCT ANCHOR TYPES AND SPACING ARE SHOWN ON SHEET 7. DIMENSIONS SHOWN FOR ANCHOR SPACING ARE ALWAYS FROM EDGE OF UNIT FRAME. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- RADIUS DOOR CONFIGURATIONS MAY BE UTILIZED DUE TO LOCATION PLACEMENT OF HINGES DURING TESTING.
- SIDELITES ARE AN OPTION AND CAN BE USED IN SINGLE OR DOUBLE CONFIGURATION.
- ALL FASTENERS IN WOOD SHALL BE COUNTERSUNK 3/16" DEEP.

EXAMPLE: 3/16"

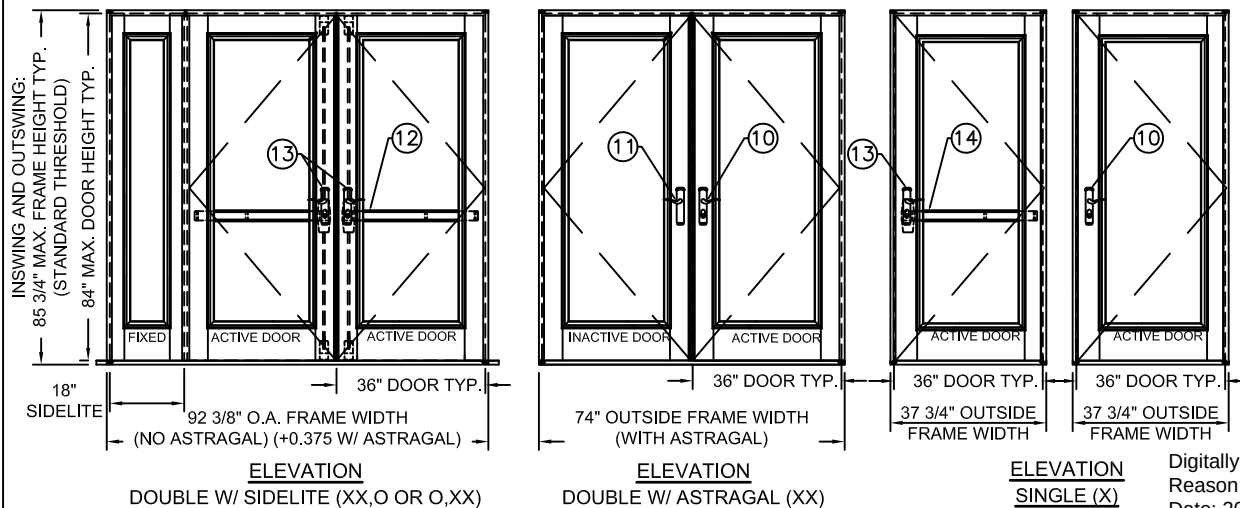
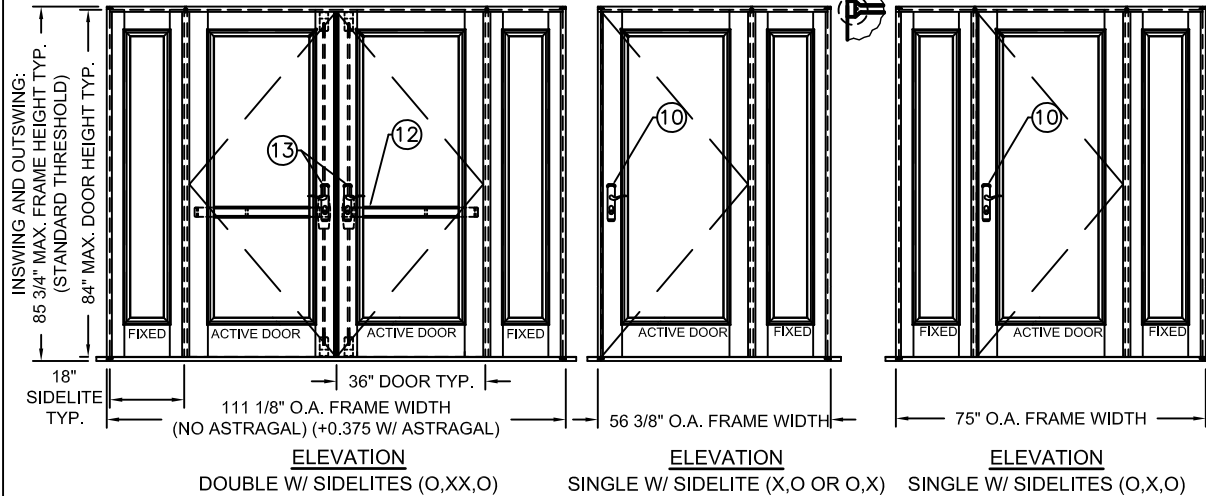


TABLE 1

DESIGN PRESSURE RATING:

SIZE	QUALIFIES: NON-IMPACT OPAQUE & FULL LITE ACTIVE PANELS W/ OR W/O SIDELITES
MAX. PANEL WIDTH = 36"	
	* 7-0 TALL SYSTEMS:
	(X) (O,X) (X,O) (X,X,O) (O,X,X) (O,X,O) (O,XX,O)
OUTSWING	+ 50 / - 50 **
INSWING	+ 50 / - 50 **

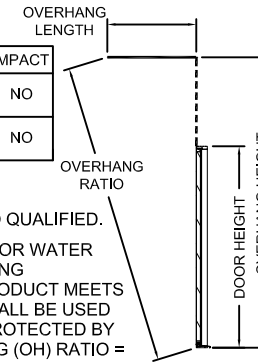
COMPONENT LIST

ITEM	DESCRIPTION	MATERIAL	QTY.
1	NON-COMPRESSION SHIM (0.25" MAX. THK.)	WOOD	AS REQ.
2	2x WOOD SUB BUCK (S.G. MUST BE 0.55 OR GREATER)	WOOD	AS REQ.
3	1x WOOD SUB BUCK (S.G. MUST BE 0.55 OR GREATER)	WOOD	AS REQ.
4	#10 WOOD INSTALL SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL	AS REQ.
5	3/16" ELCO ULTRACON ANCHOR W/ 1 1/4" MIN. EMBEDMENT	STEEL	AS REQ.
6	#12 X 2" PHILLIPS FLATHEAD WOOD SCREW (BUTT HINGE)	STEEL	8 OR 16
7	IWP BUTT HINGE 4.5 X 4.5	BRASS	4 OR 8
8	CONCEALED GEARED CONT. HINGE BY SELECT HINGE	6063 T6 ALUM.	1
9	DOOR BOTTOM W/ SWEEP	BRASS/RUBBER	1 OR 2
10	HOPPE 3 POINT LOCK ASSEMBLY	BRASS/STEEL	1
11	HOPPE 3 POINT LOCK DUMMY HANDLE SET	BRASS/STEEL	1
12	VON DUPRIN 9927 SVR EXIT DEVICE (INSTALLED BY OTHERS)	STEEL	1 OR 2
13	VON DUPRIN RHODES ENTRY LEVER (INSTALLED BY OTHERS)	STEEL	1 OR 2
14	VON DUPRIN 99 RIM EXIT DEVICE (INSTALLED BY OTHERS)	STEEL	1

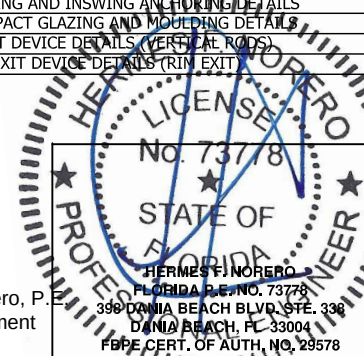
MAX SIZE	SWING	DP RATING	IMPACT
9-0 x 7-0	INSWING + OUTSWING	DP 50	NO
8-0 x 10-0	OUTSWING	DP 20	NO

NOTES:

- * 6'-8" AND SMALLER SYSTEMS ALSO QUALIFIED.
- ** 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



SHEET #	DESCRIPTION
1	GENERAL NOTES, B.O.M. & FULL LITE ELEVATIONS
2	OPAQUE PANEL ELEVATIONS AND DETAILS
3	OUTSWING VERT. AND HORIZ. SECTIONS IN WOOD
4	OUTSWING VERT. AND HORIZ. SECTIONS MASONRY/CONCRETE
5	INSWING VERTICAL AND HORIZONTAL SECTIONS IN WOOD
6	INSWING VERT. AND HORIZ. SECTIONS IN MASONRY/CONCRETE
7	OUTSWING AND INSWING ANCHORING DETAILS
8	NON-IMPACT GLAZING AND MOLDING DETAILS
9	EXIT DEVICE DETAILS (VERTICAL RODS)
10	EXIT DEVICE DETAILS (RIM EXIT)



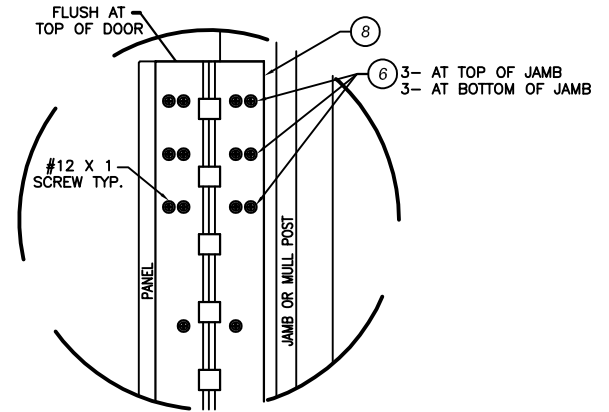
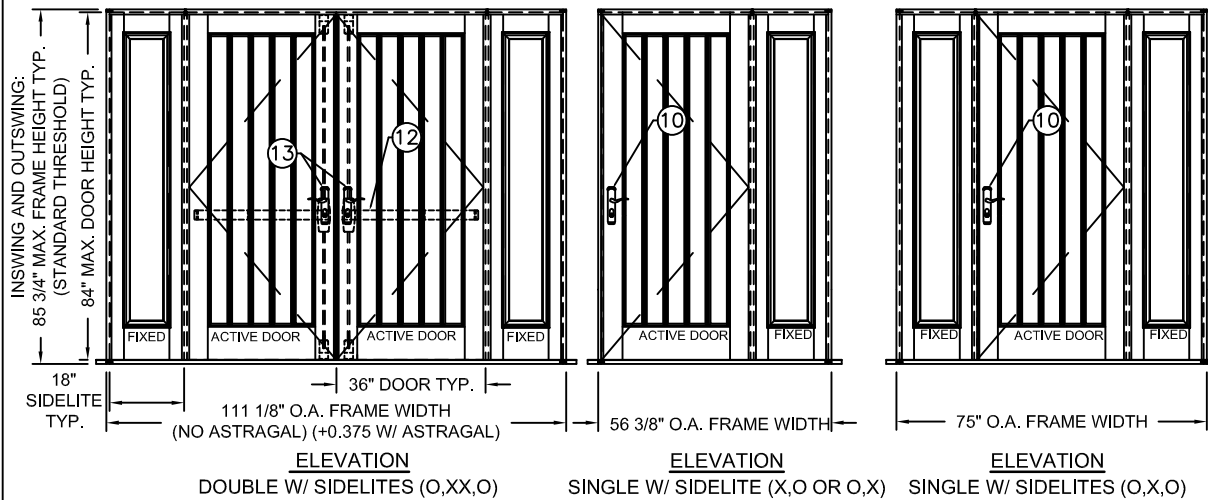
Digitally signed by Hermes F. Norero, P.
Reason: I am approving this document
Date: 2023.04.04 12:08:40 -04'00'

JELD-WEN
WINDOWS & DOORS

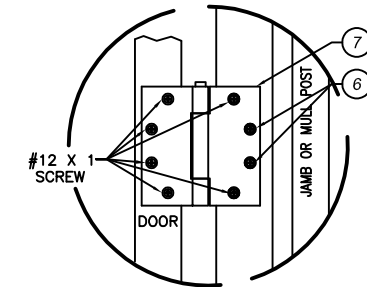
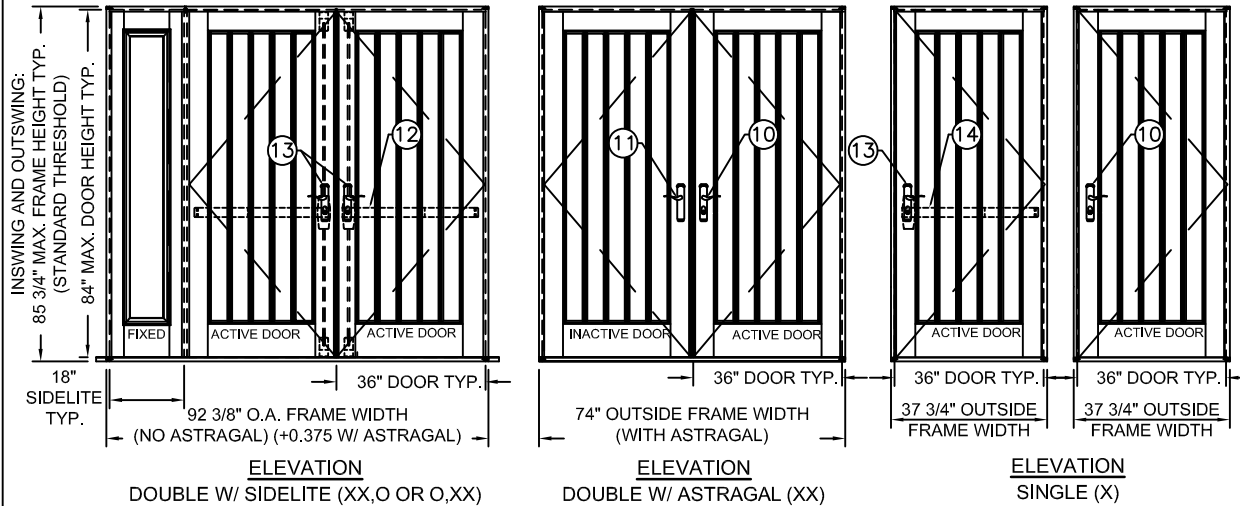
3737 Lakeport Blvd.
Klamath Falls, OR 97601
Phone: (541) 882-3451
Fax: (541) 850-2609

PRODUCT: AURORA FIBERGLASS 9-0 X 7-0 NON-IMPACT PANELS & SIDELITES
PART OR ASSEMBLY: GENERAL NOTES, FULL LITE ELEVATIONS, DP RATINGS AND B.O.M.

DATE: 06/30/2015
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.: D015661
SHEET 1 OF 11

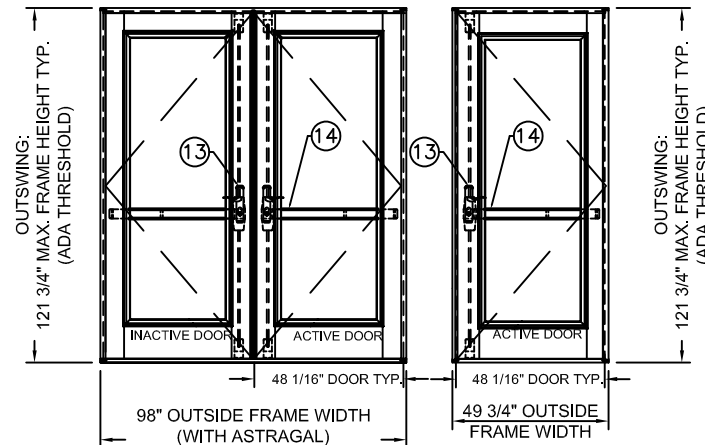


**TYPICAL CONTINUOUS HINGE ATTACHMENT
AT PANEL AND SIDE JAMB / MULLION**

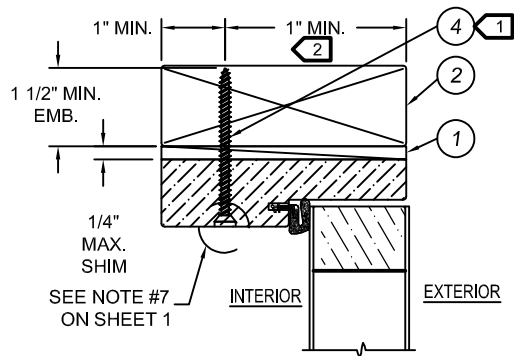


**TYPICAL BUTT HINGE ATTACHMENT (4 PLCS.)
AT PANEL AND SIDE JAMB / MULLION**

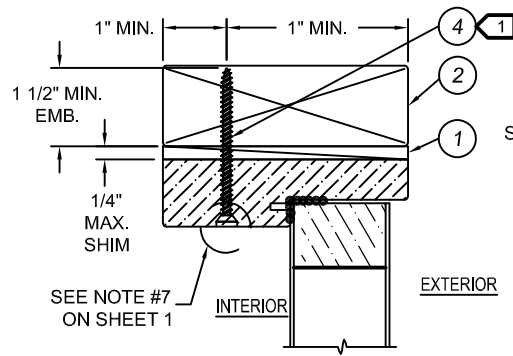
NOTE: Opaque panel finish shown is for illustration purposes only. Panel finish types vary.



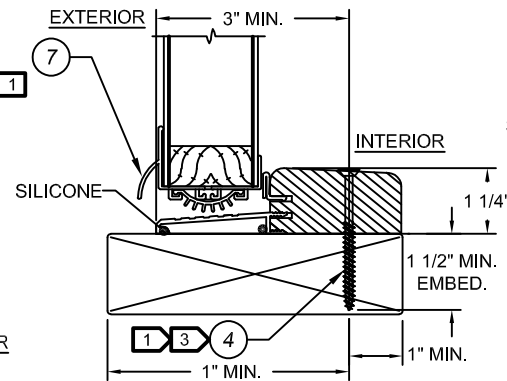
JELDOWEN WINDOWS & DOORS	3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609	
	AURORA FIBERGLASS 9-0 X 7-0 NON-IMPACT PANELS & SIDELITES	PART OR ASSEMBLY
	OPAQUE ELEVATIONS AND DETAILS	
PRODUCT	DATE: 06/30/2015	
SCALE: NONE	DWG. BY: G.LUBBECKE	
CHK. BY: G.ROLLINSON	DRAWING No.: D015661	
SHEET 2 OF 11	HERMES F. NORERO FLORIDA P.E. NO. 73778 388 DANIA BEACH BLVD, STE. 338 DANIA BEACH, FL 33004 FPEE CERT. OF AUTH. NO. 20578	



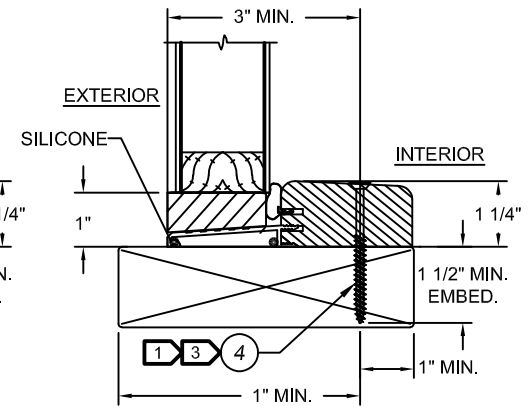
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VERTICAL CROSS SECTION
HEAD JAMB**



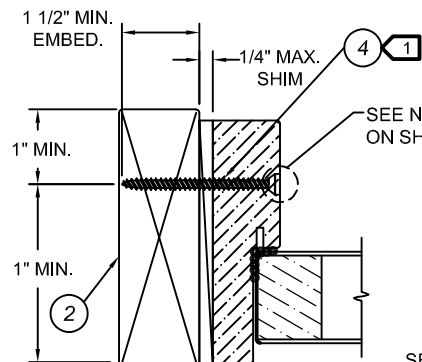
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AT HEAD JAMB**



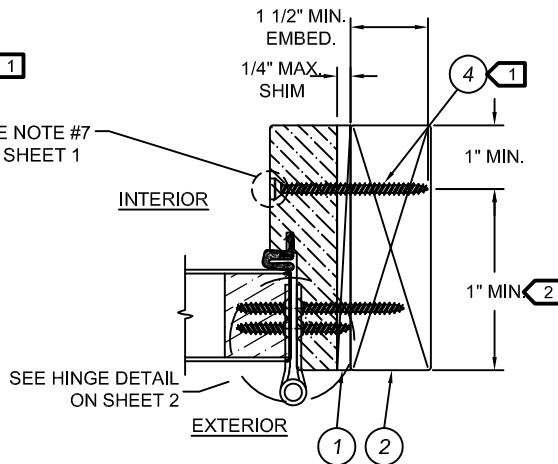
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VERTICAL CROSS SECTION AT SILL**



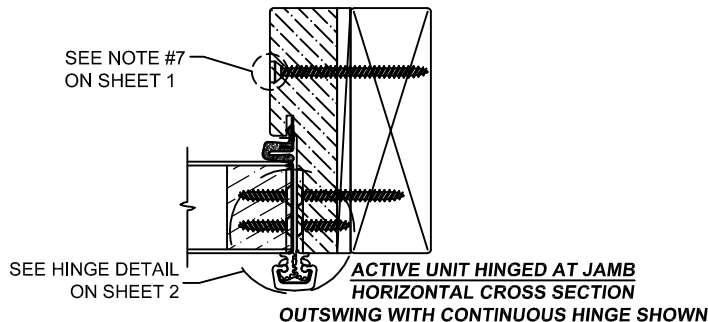
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VERTICAL CROSS SECTION AT SILL**



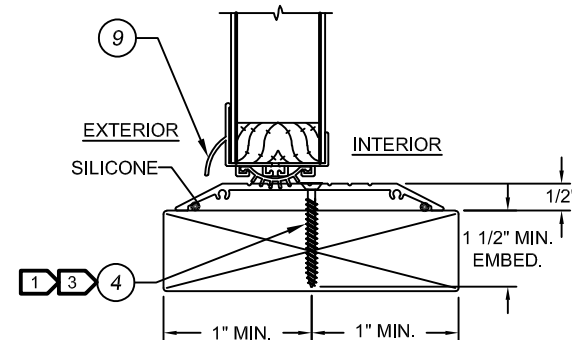
**FIXED UNIT
HORIZONTAL CROSS SECTION
OUTSWING SHOWN**



**ACTIVE UNIT HINGED AT JAMB
HORIZONTAL CROSS SECTION
OUTSWING WITH BUTT HINGE SHOWN**



**ACTIVE UNIT HINGED AT JAMB
HORIZONTAL CROSS SECTION
OUTSWING WITH CONTINUOUS HINGE SHOWN**



**OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION AT SILL
ADA SILL**

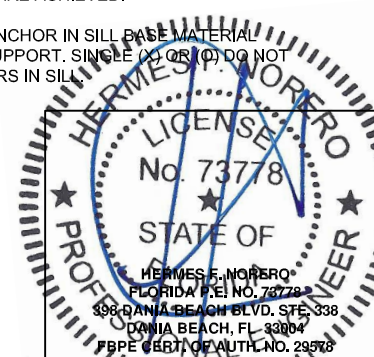
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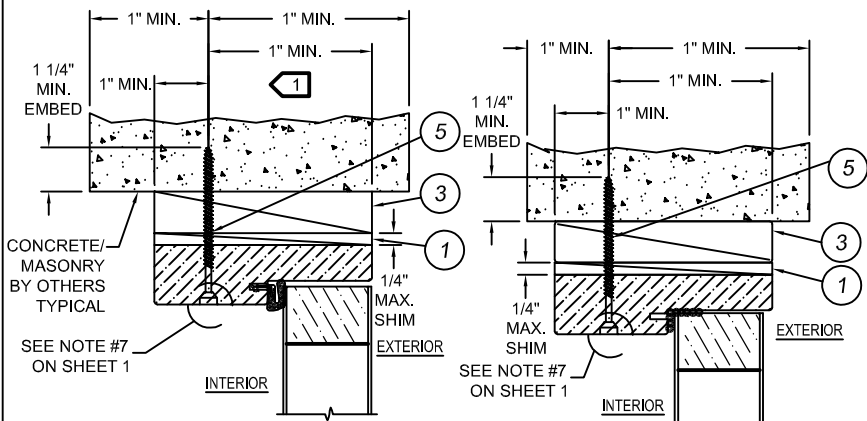
- 1 FOR PLACEMENT OF ELCO ULTRACON ANCHORS IN 2X BUCK OR 1X BUCK CONCRETE/MASONRY OPENINGS, SEE SHEET 4. FOR ANCHOR LOCATIONS ALONG WOOD BUCK, SEE SHEET 7.
- 2 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.
- 3 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL FOR MAXIMUM SUPPORT. SINGLE (A) OR (D) DO NOT REQUIRE ANCHORS IN SILL.

JELD-WEN
WINDOWS & DOORS
3737 Lakeport Blvd.
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Fax: (541) 850-2609

PRODUCT
AURORA FIBERGLASS 9-0 X 7-0
NON-IMPACT PANELS & SIDELITES
PART OR ASSEMBLY
OUTSWING VERTICAL AND HORIZONTAL SECTIONS
IN WOOD

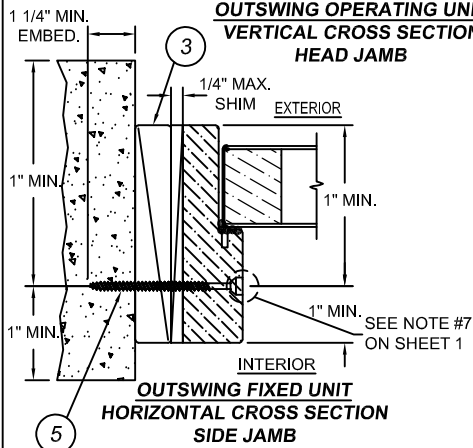
DATE: 06/30/2015
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.:
D015661
SHEET 3 OF 11



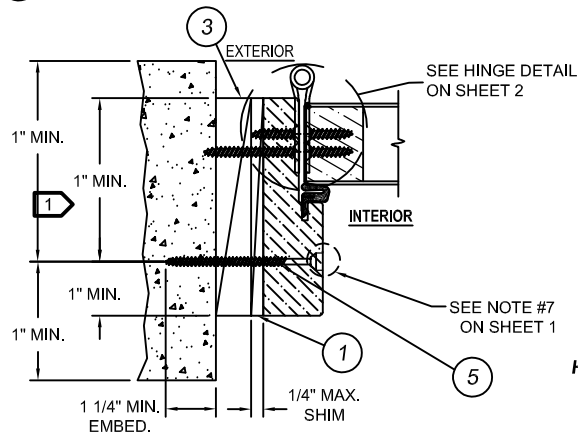


**OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION
HEAD JAMB**

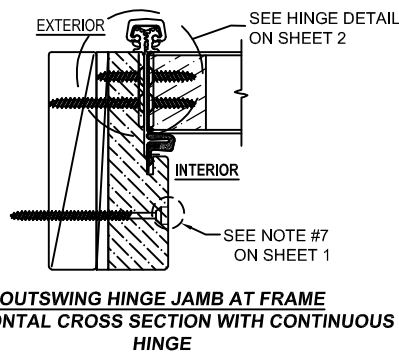
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VERTICAL CROSS SECTION
HEAD JAMB**



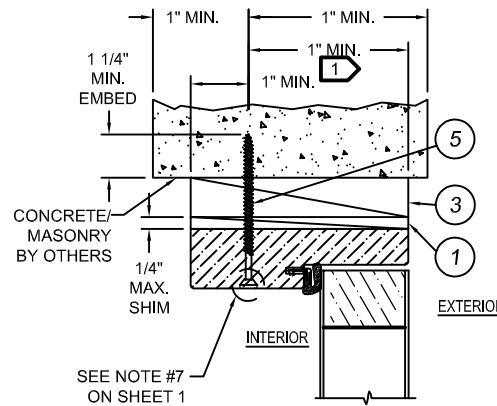
**OUTSWING FIXED UNIT
HORIZONTAL CROSS SECTION
SIDE JAMB**



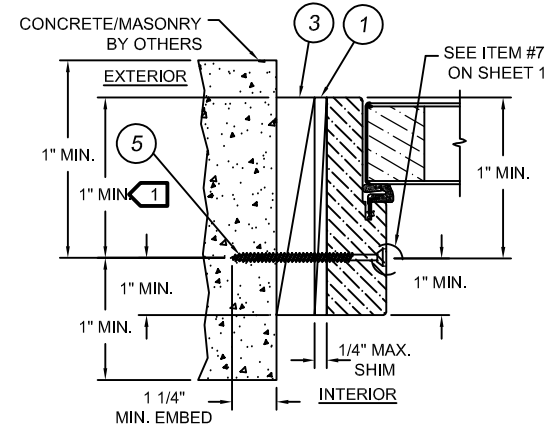
**OUTSWING HINGE JAMB AT FRAME
HORIZONTAL CROSS SECTION WITH BUTT HINGE**



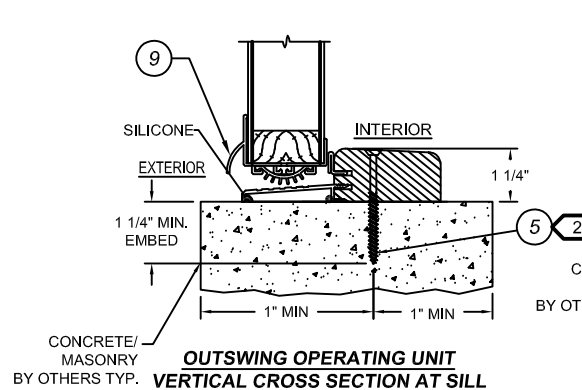
**OUTSWING HINGE JAMB AT FRAME
HORIZONTAL CROSS SECTION WITH CONTINUOUS
HINGE**



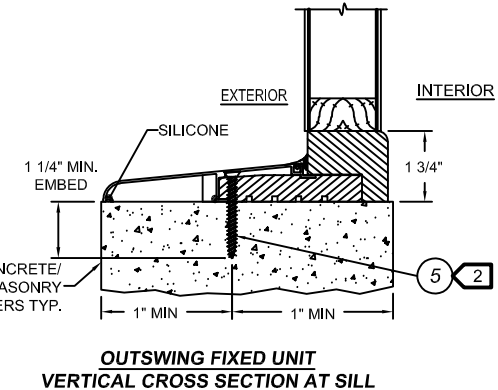
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VERTICAL CROSS SECTION
OPTIONAL 1X BUCK**



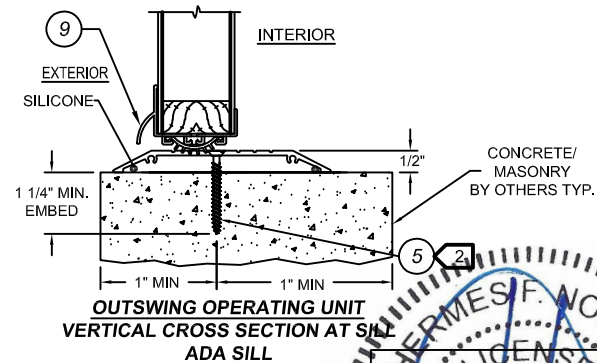
**OUTSWING OPERATING UNIT
HORIZONTAL CROSS SECTION
OPTIONAL 1X BUCK**



**OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION AT SILL**



**OUTSWING FIXED UNIT
VERTICAL CROSS SECTION AT SILL**



**OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION AT ADA
SILL**

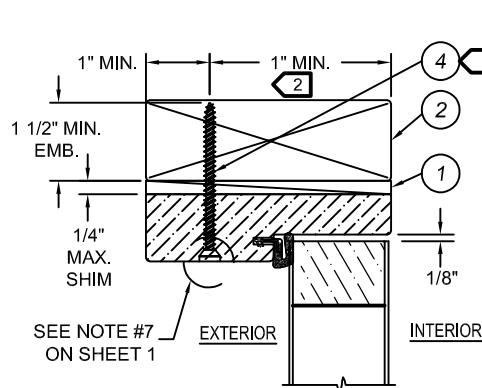
- NOTES:
- 1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.
 - 2 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL FOR MAXIMUM SUPPORT. SINGLE (X) OR (O) DO NOT REQUIRE ANCHORS IN SILL.

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3737 Lakeport Blvd.
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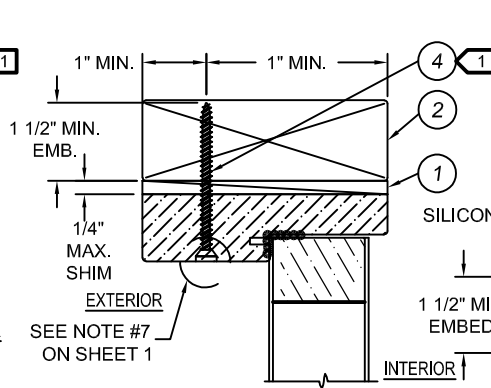
PRODUCT: AURORA FIBERGLASS 9-0 X 7-0
NON-IMPACT PANELS & SIDELITES
PART OR ASSEMBLY: OUTSWING VERTICAL AND HORIZONTAL SECTIONS
IN MASONRY/CONCRETE

DATE: 06/30/15
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.: D015661
SHEET 4 OF 11

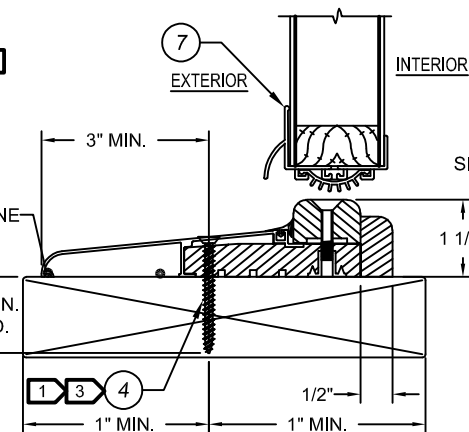




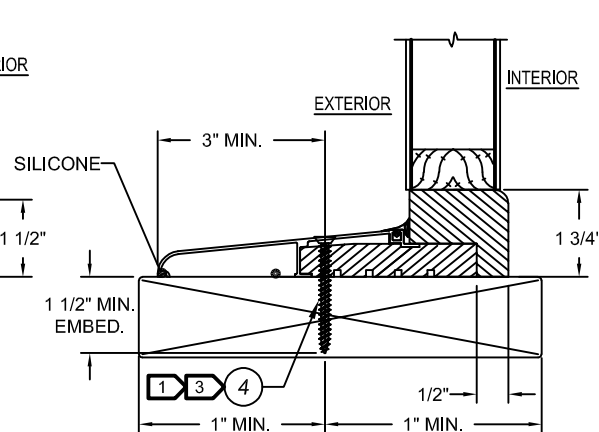
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VERTICAL CROSS SECTION
HEAD JAMB**



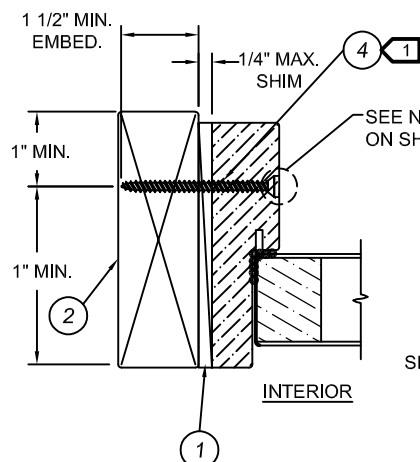
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VERTICAL CROSS SECTION
HEAD JAMB**



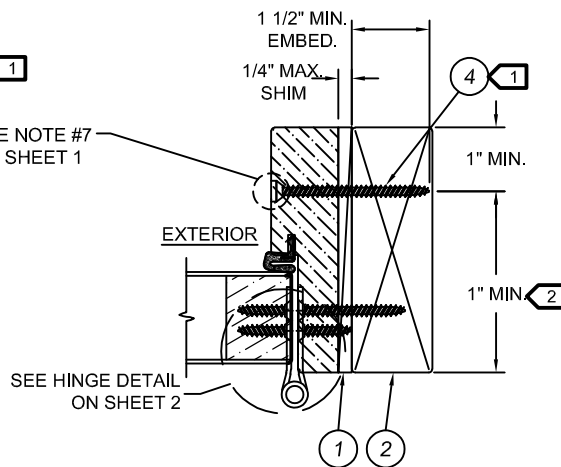
**INSWING OPERATING UNIT
VERTICAL CROSS SECTION AT SILL**



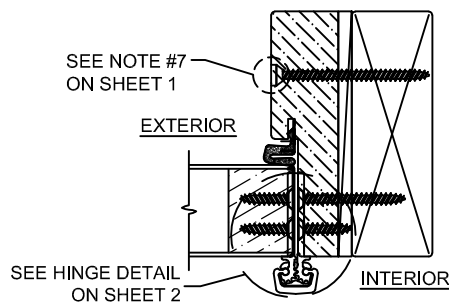
**INSWING FIXED UNIT
VERTICAL CROSS SECTION AT SILL**



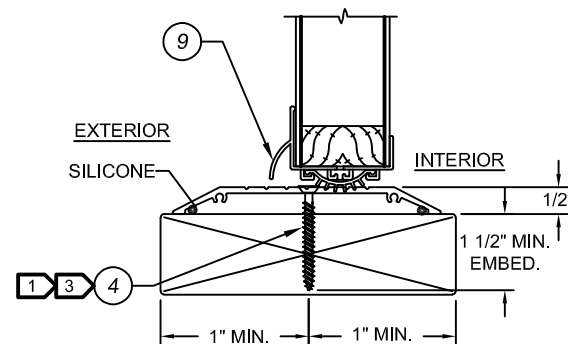
**FIXED UNIT
HORIZONTAL CROSS SECTION
INSWING SHOWN**



**ACTIVE UNIT HINGED AT JAMB
HORIZONTAL CROSS SECTION
INSWING WITH BUTT HINGE SHOWN**

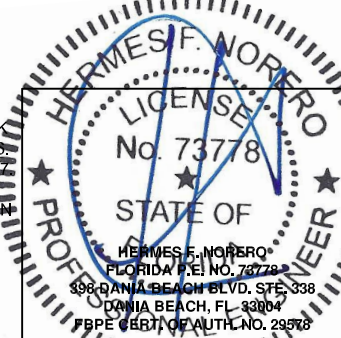


**ACTIVE UNIT HINGED AT JAMB
HORIZONTAL CROSS SECTION
INSWING WITH CONTINUOUS HINGE SHOWN**



**INSWING OPERATING UNIT
VERTICAL CROSS SECTION AT SILL
ADA SILL**

- NOTES:
- 1 FOR PLACEMENT OF ELCO ULTRA-CON ANCHORS IN 2X BUCK OR 1X BUCK CONCRETE/MASONRY OPENINGS, SEE SHEET 9. FOR ANCHOR LOCATIONS ALONG WOOD BUCK, SEE SHEET 9.
 - 2 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.
 - 3 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL FOR MAXIMUM SUPPORT. SINGLE (X) OR (O) DO NOT REQUIRE ANCHORS IN SILL.



JELD-WEN WINDOWS & DOORS 3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609	
PRODUCT AURORA FIBERGLASS 9-0 X 7-0 NON-IMPACT PANELS & SIDELITES PART OR ASSEMBLY INSWING VERTICAL AND HORIZONTAL SECTIONS IN WOOD	DATE: 06/30/2015 SCALE: NONE DWG. BY: G.LUBBECKE CHK. BY: G.ROLLINSON DRAWING No.: D015661 SHEET 5 OF 11

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
HERMES F. NORERO
FLORIDA P.E. No. 73778
395 DANIA BEACH BLVD. STE. 330
DANIA BEACH, FL 33004
FDPE CERT. OF AUTH. NO. 29578

[illegible]

Diagram illustrating the dimensions and layout of a double door assembly. The overall height is 85 3/4" MAX. FRAME TYP. The width of the frame is 13" O.C. ALL FRAMES TYP. The door panels are labeled "X" and "O". The center of the panels is marked "PANEL CENTER". Dimensions for the frame and panel spacing are indicated: 6" TYP. (top and bottom), 3" TYP. (sides), and 4" TYP. (between panels). The panels are numbered 1, 4, and 5.

Diagram illustrating the dimensions and labels for a three-panel door assembly:

- Top dimensions: 6" TYP. (between panels), 3" TYP. (between panel and frame), 3" TYP. (between frame and jamb).
- Right side dimensions: 4" TYP. (between panels), 4" TYP. (between panel and frame), 13" O.C. ALL JAMBS TYP. (overall jamb spacing).
- Bottom dimension: 4" TYP. (between panels).
- Labels: "O" (Outer panels), "X" (Center panel), "PANEL CENTER" (Center of the center panel), "1" (Bottom hinge), "4" (Top hinge), "5" (Bottom hinge).
- Orientation: OUTSWING/INSWING (indicated by arrows at the bottom).

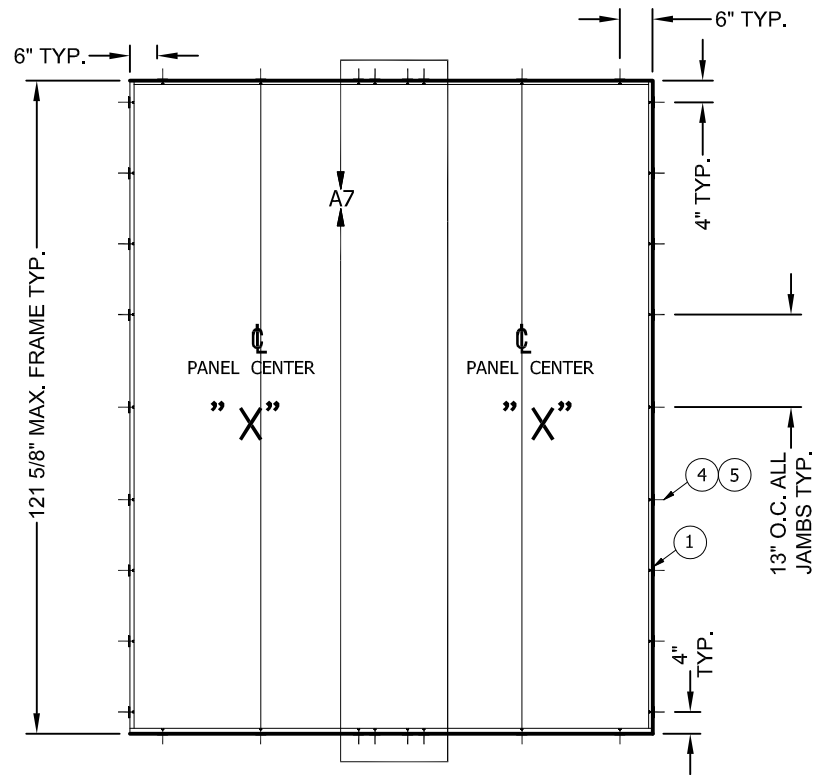
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Klamath Falls, OR 97601
Phone: (541) 882-3451
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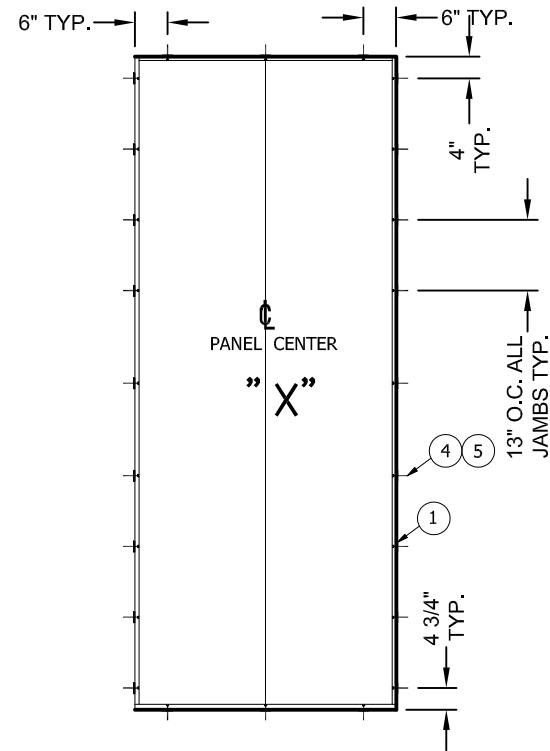
PART OR ASSEMBLY

SHEET 7 OF 11

HERMES F. NOBREGO
 LICENSE
 No. 73778
 STATE OF
 FLORIDA
 HERMES F. NOBREGO
 FLORIDA P.E. NO. 73778
 398 DANIA BEACH BLVD, STE. 300
 DANIA BEACH, FL 33004
 FPEE CERT. OF AUTH. NO. 29578



OUTSWING/INSWING
ANCHOR LOCATIONS FOR (XX)

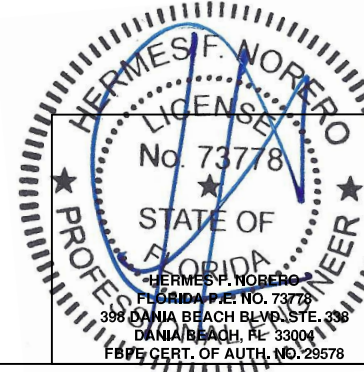


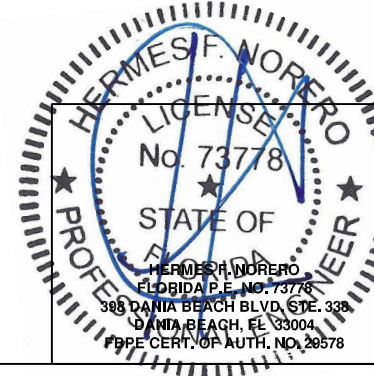
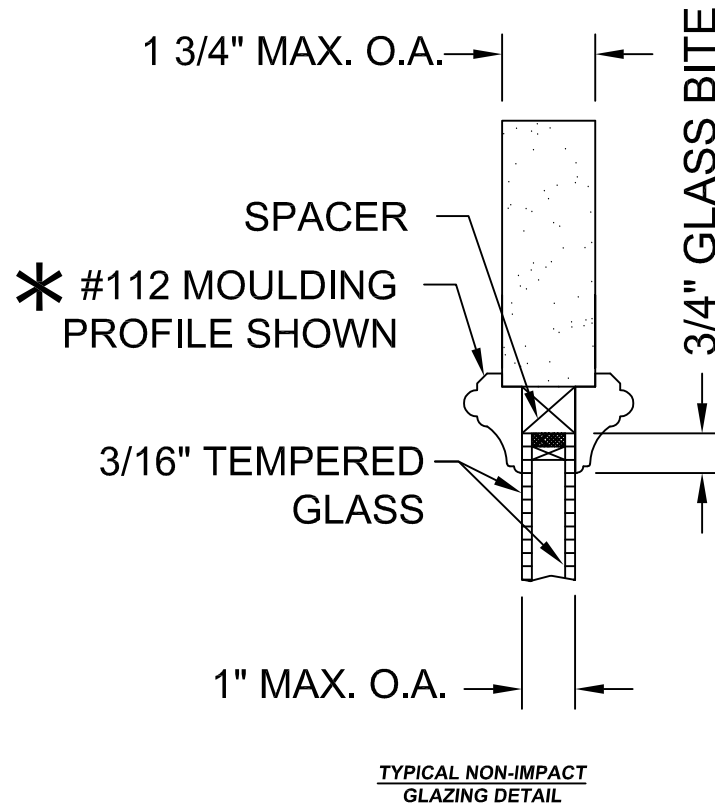
OUTSWING/INSWING
ANCHOR LOCATIONS FOR (X)

JELDOWEN
WINDOWS & DOORS
3737 Lakeport Blvd.
Klamath Falls, OR 97601
Phone: (541) 882-3451
Fax: (541) 850-2609

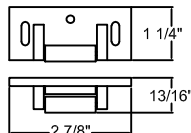
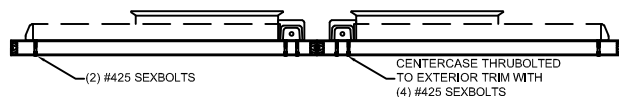
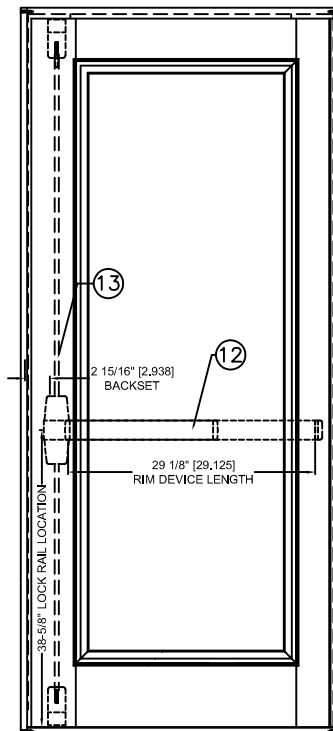
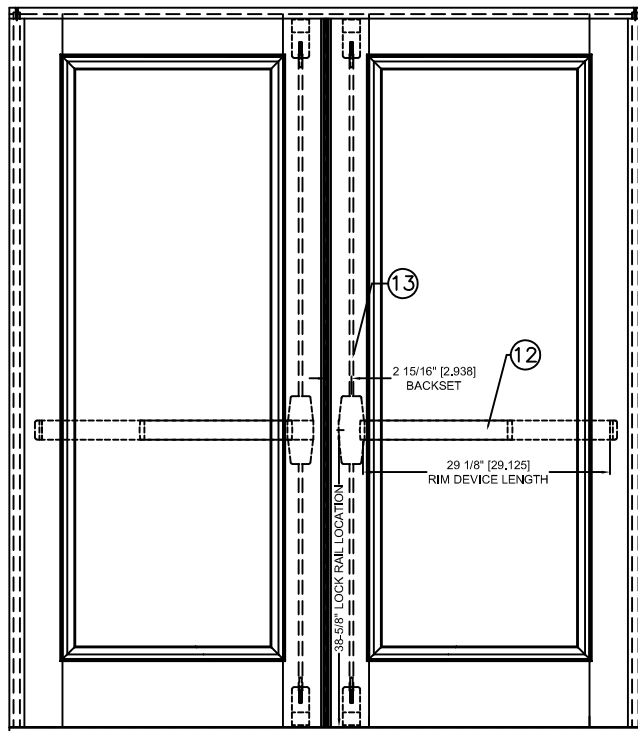
PRODUCT
AURORA FIBERGLASS 9-0 X 7-0
NON-IMPACT PANELS & SIDELITES
PART OR ASSEMBLY
INSWING AND OUTSWING ANCHORING DETAILS

DATE: 06/30/2015
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.:
D015661
SHEET 8 OF 11

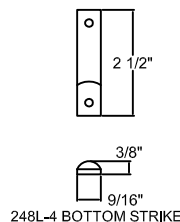




JELDOWEN WINDOWS & DOORS 3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609	
PRODUCT AURORA FIBERGLASS 9-0 X 7-0 NON-IMPACT PANELS & SIDELITES	PART OR ASSEMBLY NON-IMPACT GLAZING DETAIL
DATE: 06/30/2015	
SCALE: NONE	
DWG. BY: G.LUBBECKE	
CHK. BY: G.ROLLINSON	
DRAWING No.: D015661	
SHEET 9 OF 11	

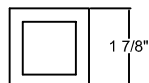


299F TOP STRIKE

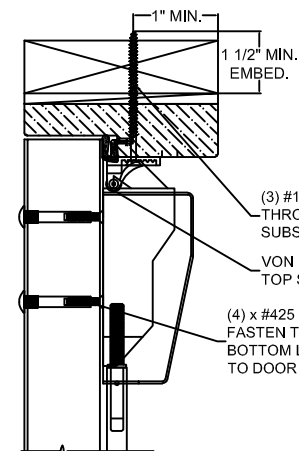


248L-4 BOTTOM STRIKE

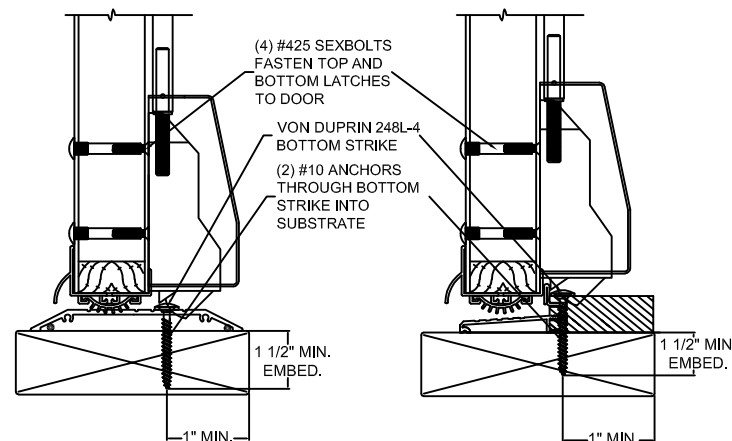
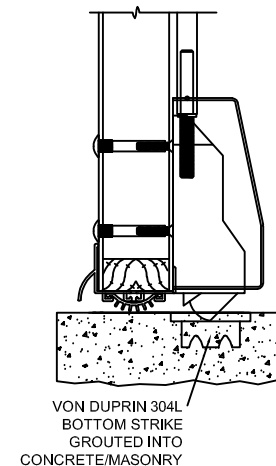
HARDWARE DETAILS



304L BOTTOM STRIKE

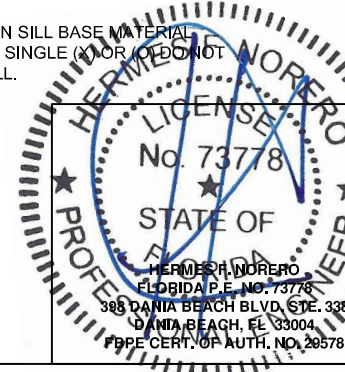


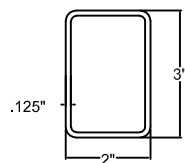
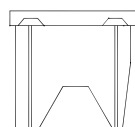
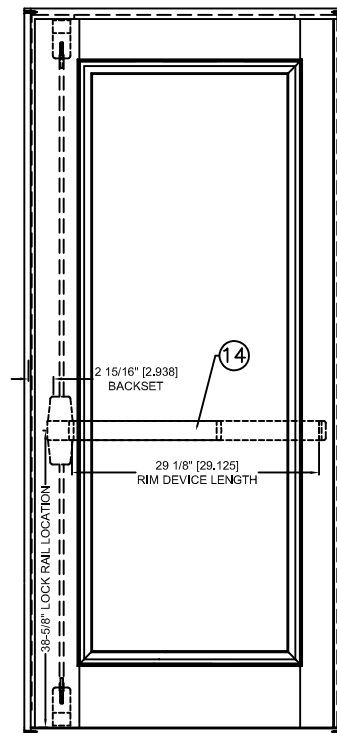
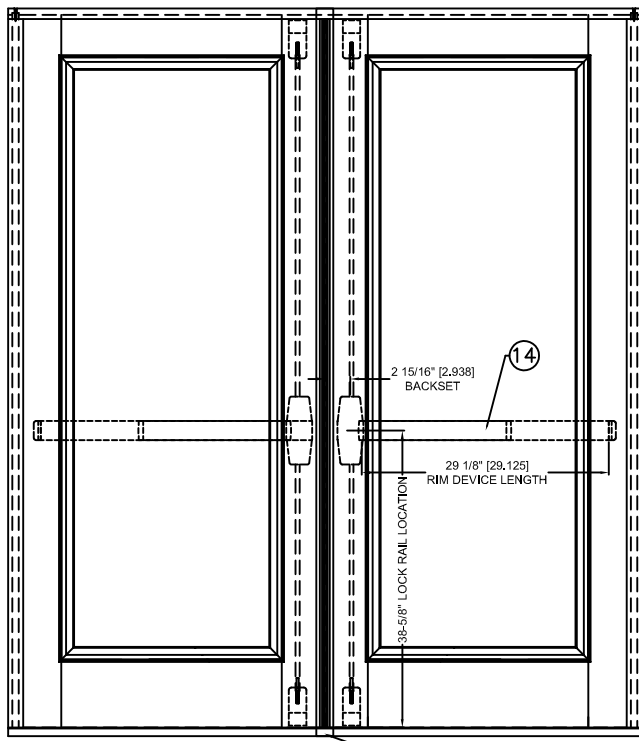
**HEAD AND SILL
DETAILS**



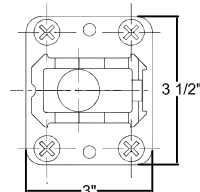
- NOTES:**
- 1 FOR PLACEMENT OF ELCO ULTRACON ANCHORS IN 2X BUCK OR 1X BUCK CONCRETE/MASONRY OPENINGS, SEE SHEET 4.
 - 2 FOR INSTALLATION OF ELCO ULTRACON ANCHORS INTO CONCRETE/MASONRY, USE ONLY (2) INSTALLATION ANCHORS AT TOP STRIKE.
 - 3 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL FOR MAXIMUM SUPPORT. SINGLE (X) OR (O) DO NOT REQUIRE ANCHORS IN SILL.

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PRODUCT AURORA FIBERGLASS 9'-0" X 7'-0" NON-IMPACT PANELS & SIDELITES	PART OR ASSEMBLY EXIT DEVICE DETAILS (VERTICAL RODS)	
DATE: 06/30/2015		
SCALE: NONE		
DWG. BY: G.LUBBECKE		
CHK. BY: G.ROLLINSON		
DRAWING No.: D015661		
SHEET 10 OF 11		

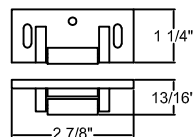




9954 MULLION
STEEL MIN F_y = 33.5 KSI

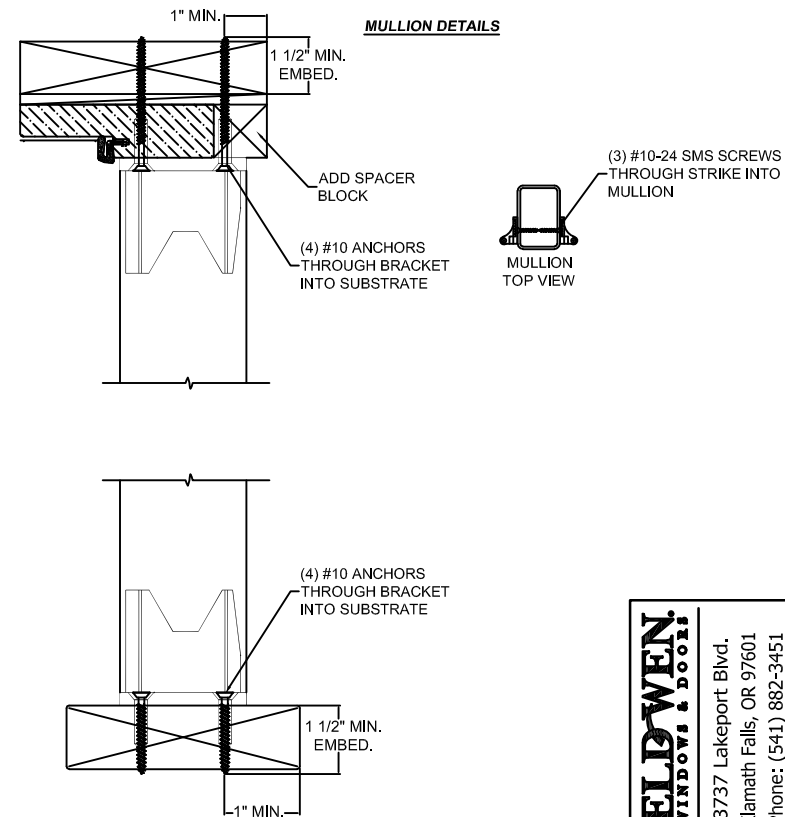


9954 MULLION BRACKET

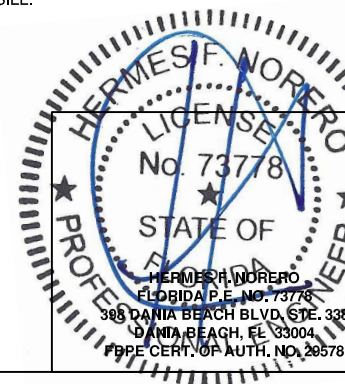


299F STRIKE

HARDWARE DETAILS



- NOTES:
- 1 FOR PLACEMENT OF ELCO ULTRA CON ANCHORS IN 2X BUCK OR 1X BUCK CONCRETE/MASONRY OPENINGS, SEE SHEET 4.
 - 2 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL FOR MAXIMUM SUPPORT. SINGLE (X) OR (O) DO NOT REQUIRE ANCHORS IN SILL.



JELD-WEN WINDOWS & DOORS 3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609	
PRODUCT AURORA FIBERGLASS 9-0 X 7-0 NON-IMPACT PANELS & SIDELITES	PART OR ASSEMBLY EXIT DEVICE DETAILS (RIM EXIT)
DATE: 06/30/2015	
SCALE: NONE	
DWG. BY: G.LUBBECKE	
CHK. BY: G.ROLLINSON	
DRAWING No.: D015661	
SHEET 11 OF 11	