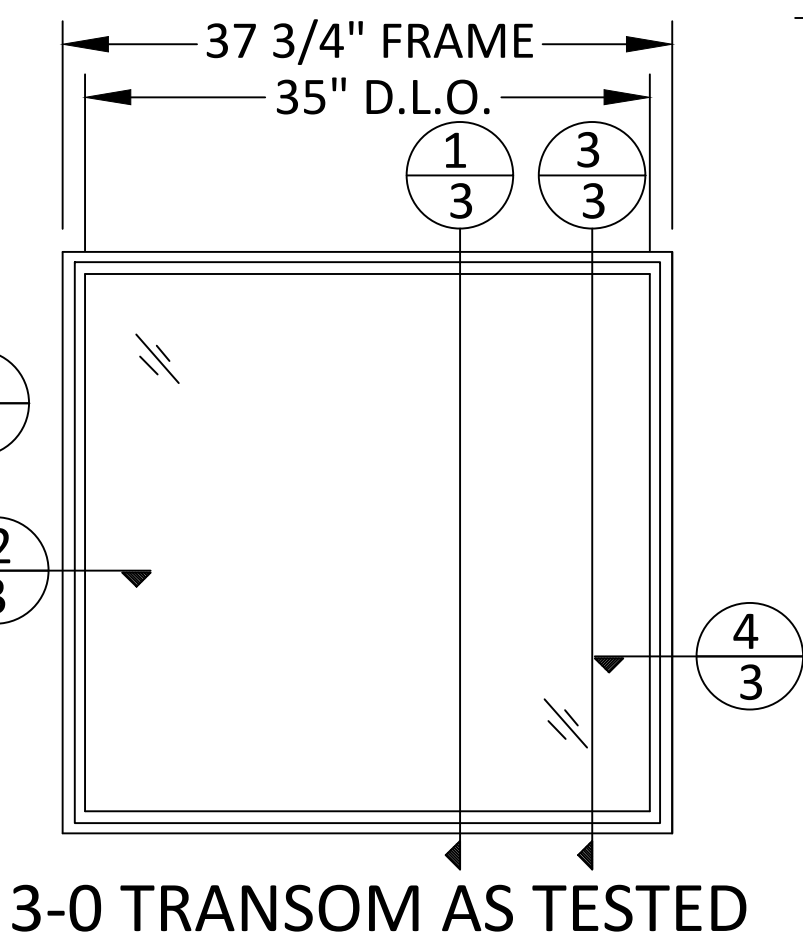
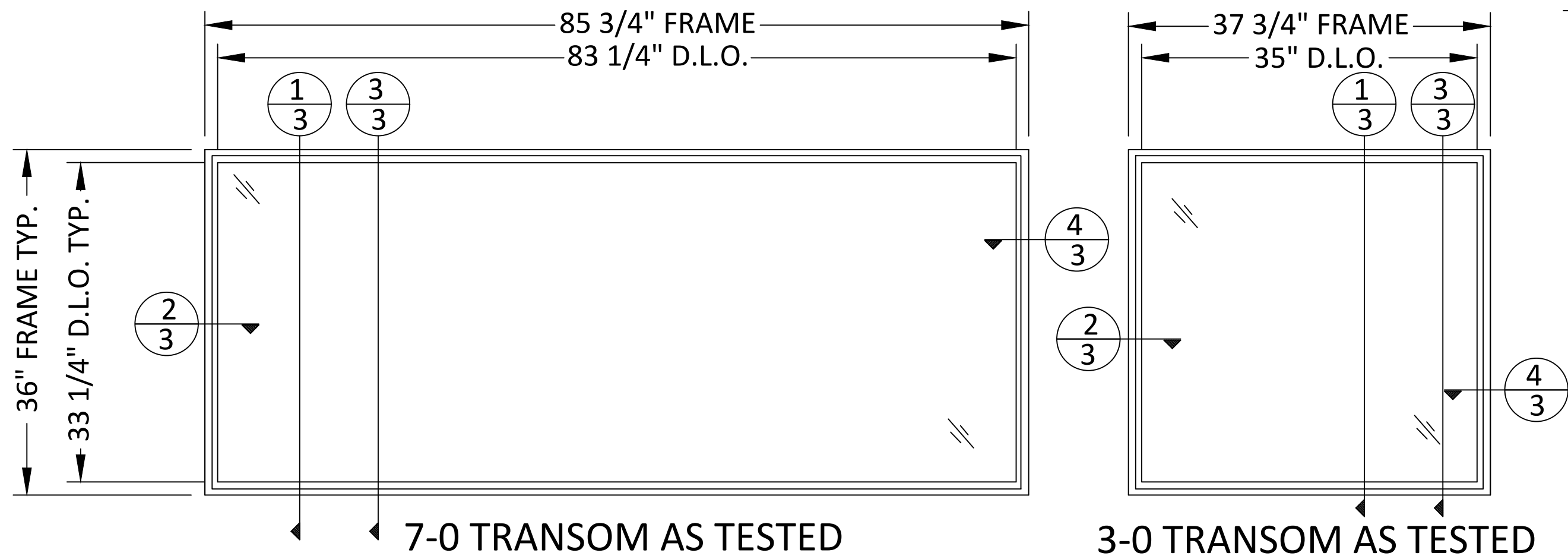
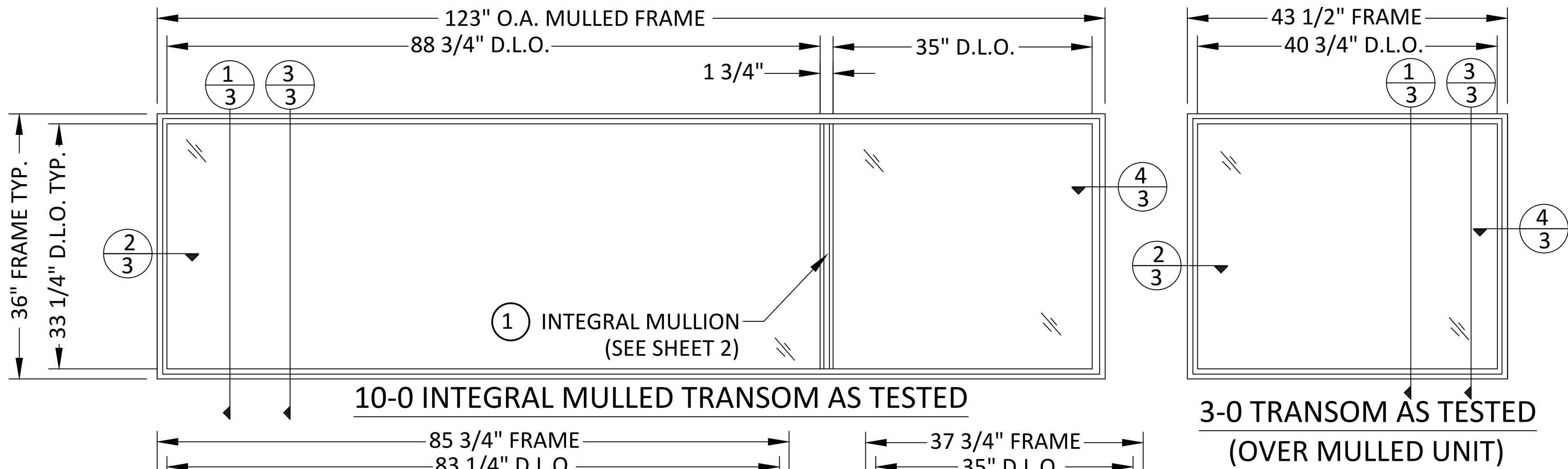
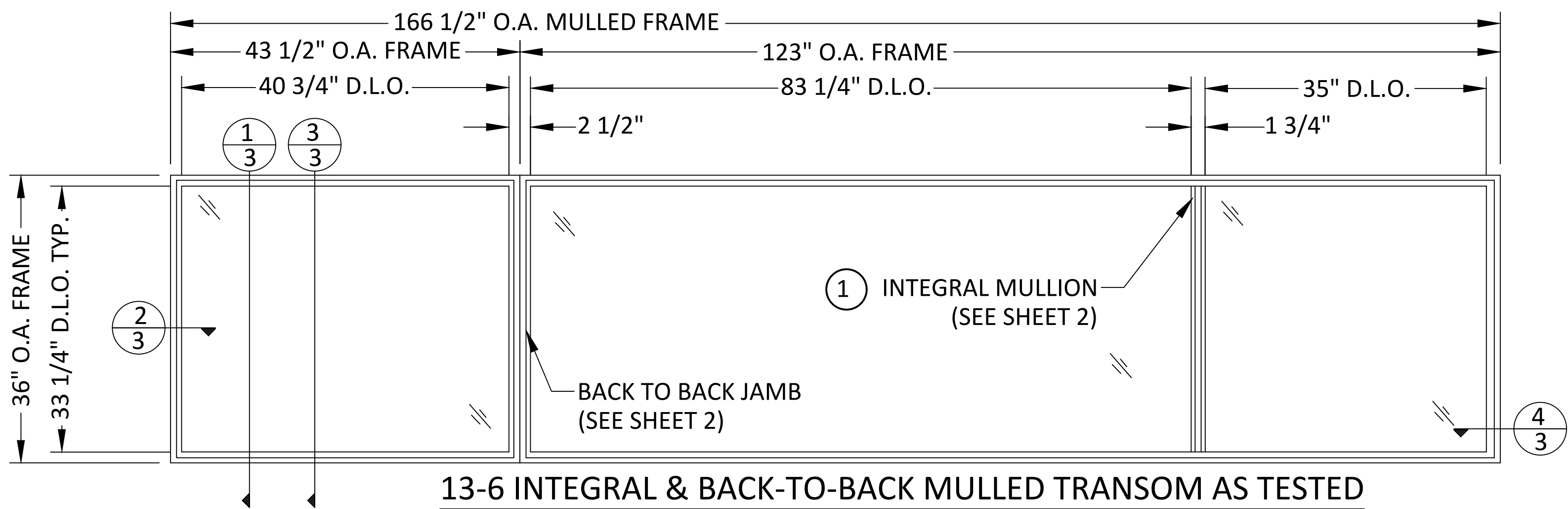
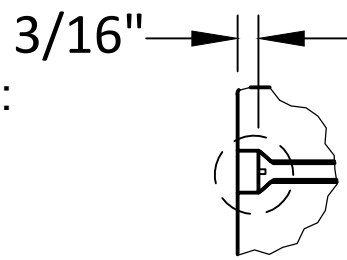


JELD-WEN DOOR
INSTALLATION DETAILS FOR AURORA WOOD DIRECT SET TRANSOM
FULL LITE AS TESTED

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) AND IS RATED FOR LARGE & SMALL MISSILE IMPACT IN WIND ZONES 3 OR LESS PER: AAMA/WDMA/CSA 101/I.S.2/A440-08, AAMA 450-10, ASTM E1886-13, & ASTM E1996-14
2. 1X AND 2X WOOD BUCKS BY OTHERS AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. BUCK MATERIAL MUST HAVE A SPECIFIC GRAVITY OF 0.55 OR GREATER.
3. PRODUCT THROUGH FRAME ANCHOR TYPES AND SPACING ARE SHOWN ON SHEET 5. INSTALLATION STRAPS SPACING IS SHOWN ON SHEET 6. DIMENSIONS SHOWN FOR ANCHOR SPACING ARE ALWAYS FROM EDGE OF UNIT FRAME. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. ALL FASTENERS IN WOOD SHALL BE COUNTERSUNK 3/16" DEEP. EXAMPLE:
5. FOR DESIGN PRESSURE RATINGS, SEE TABLE 2, SHEET 7.



NOTE:
SEE SHEET 7 FOR DESIGN PRESSURES BASED ON
VARIED MAX. FRAME HEIGHTS AND WIDTHS

TABLE 1

DESIGN PRESSURE RATING:		
QUALIFIES: DIRECT SET TRANSOM		
DOOR OPERATION:		(XX) (XXO) (OXXO) (X) (OX) (XO) (OXO) OR OTHER SIZES
OUTSWING	POSITIVE NEGATIVE	SEE DESIGN PRESSURE TABLES, SHEET 7 OF 7
INSWING	POSITIVE NEGATIVE	SEE DESIGN PRESSURE TABLES, SHEET 7 OF 7

COMPONENT LIST

ITEM	DESCRIPTION	MATERIAL	QTY.
1	INTEGRAL MULL POST 1 3/4" X 5"	WOOD	AS REQ.
2	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL	AS REQ.
3	NON-COMPRESSION SHIM (0.25" MAX. THK.)	WOOD	AS REQ.
4	2x WOOD SUB BUCK (S.G. MUST BE 0.55 OR GREATER)	WOOD	AS REQ.
5	LAMINATED IG IMPACT UNIT 3/4" O.A.	GLASS	AS REQ.
6	GLAZING BEAD 1 1/8" X 1 1/2"	WOOD	AS REQ.
7	DIRECT SET SILL 4 9/16" X 1 1/4"	WOOD	AS REQ.
8	DIRECT SET JAMB 4 9/16" X 1 1/4"	WOOD	AS REQ.
9	MASONRY CLIP 12 GA. X 1 1/2" X 'LENGTH' GALVANIZED	STEEL	AS REQ.
10	#8 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL	AS REQ.
11	# 8 X 1-1/4" WOOD SCREW FOR MASONRY CLIP	STEEL	4 PER CLIP
12	3/16" ITW TAPCON W/ MIN. 1 1/4" EMBEDMENT	STEEL	AS REQ.

SHEET INDEX

SHEET #	DESCRIPTION
1	GENERAL NOTES, B.O.M. & ELEVATIONS FOR TRANSOMS
2	GLAZING AND MULLING DETAILS
3	VERT. & HORIZ. SECTIONS IN WOOD
4	VERT. & HORIZ. SECTIONS IN MASONRY/CONCRETE
5	ANCHOR LAYOUT FOR THROUGH FRAME
6	ANCHOR LAYOUT FOR MASONRY CLIP INSTALLATION
7	DESIGN PRESSURE TABLES

JELD-WEN
WINDOWS & DOORS

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

PRODUCT
AURORA CUSTOM DIRECT SET TRANSOM
FULL LITE IMPACT WZ3

PART OR ASSEMBLY
GENERAL NOTES, ELEVATIONS, DP RATINGS
AND B.O.M.

DATE: 5/21/2013

SCALE: NONE

DWG. BY: G.LUBBECKE

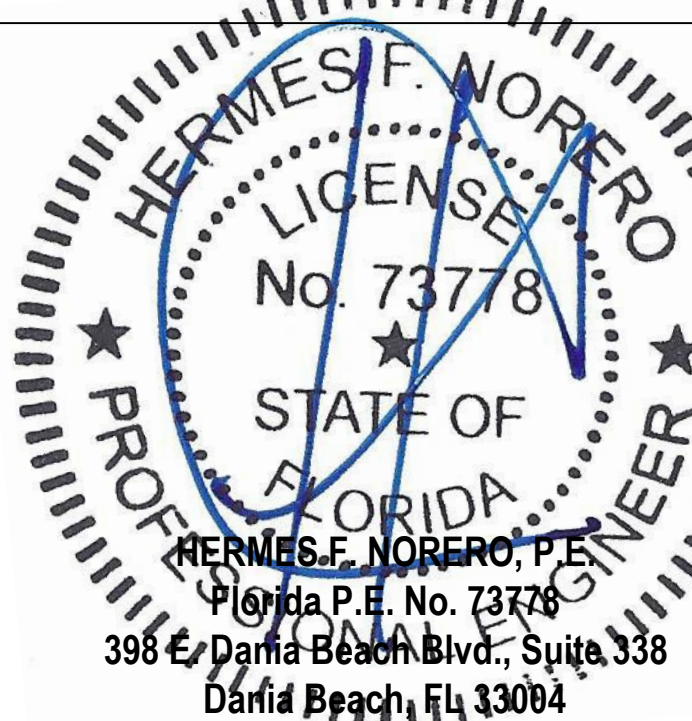
CHK. BY: G.ROLLINSON

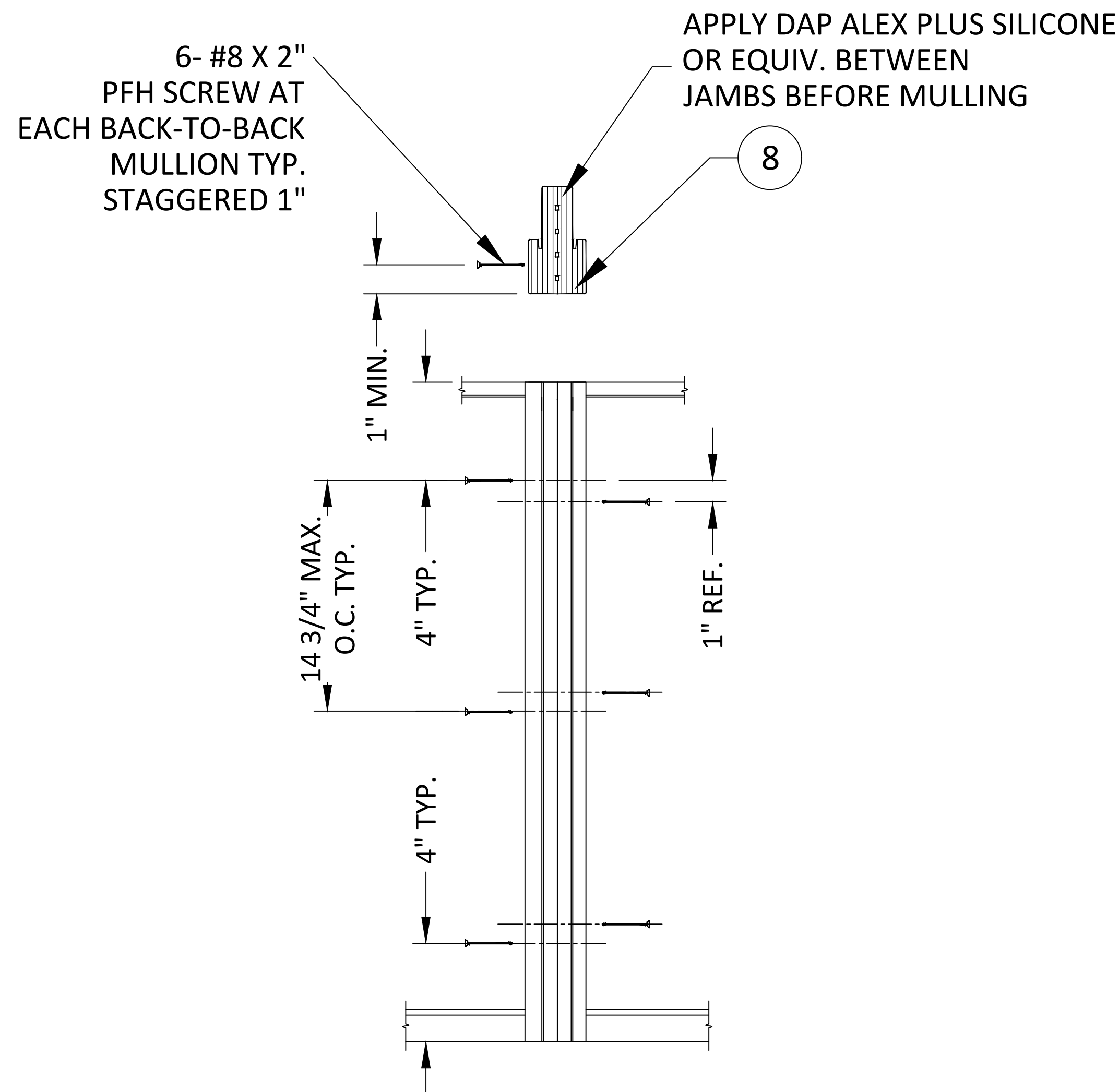
DRAWING No.:

A009448

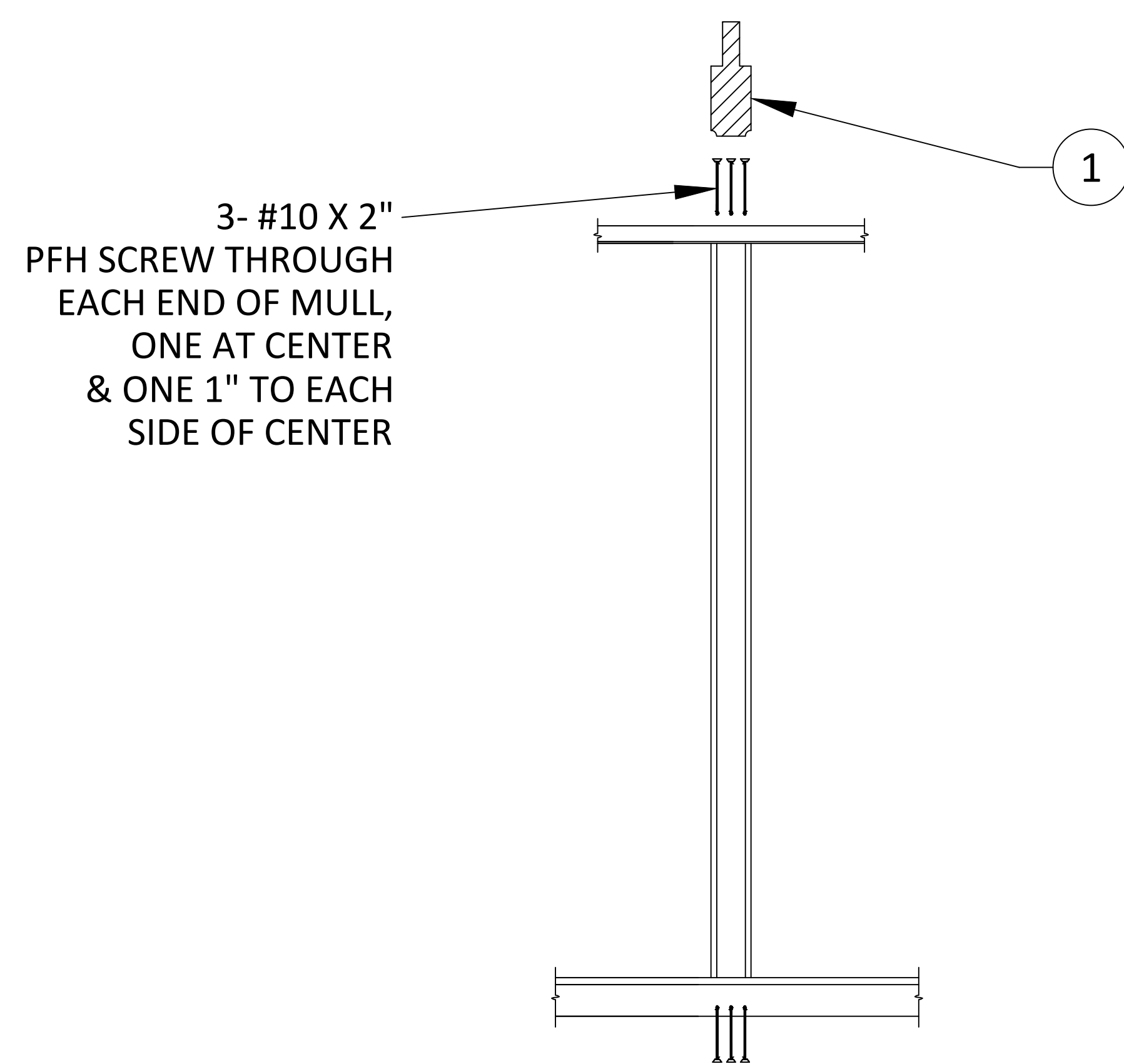
SHEET 1 OF 7

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.04.04 12:04:13 -04'00'

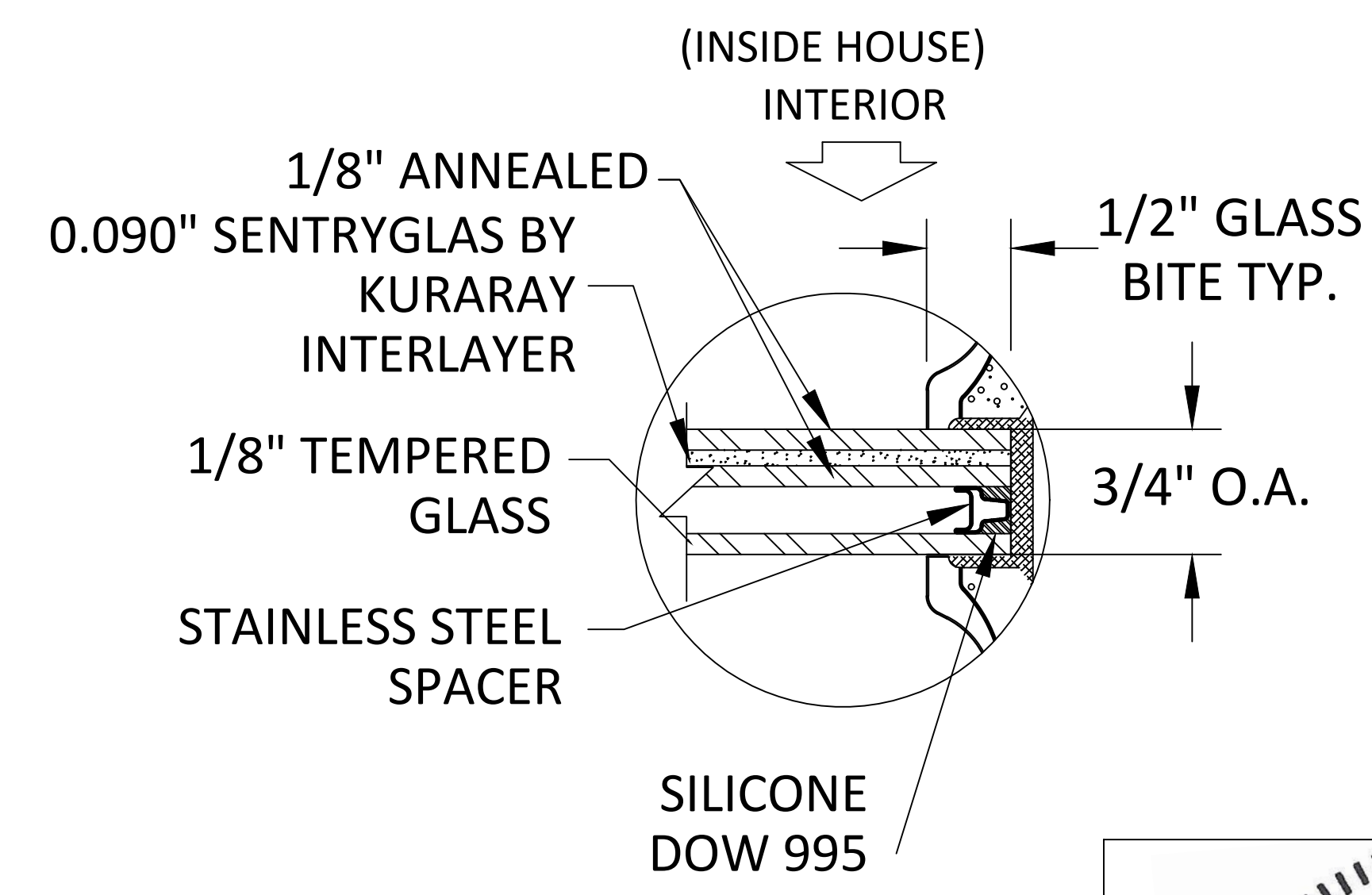




DETAIL A2
(6) FASTENER LOCATIONS AT DOUBLE-BACK JAMB ATTACHMENT

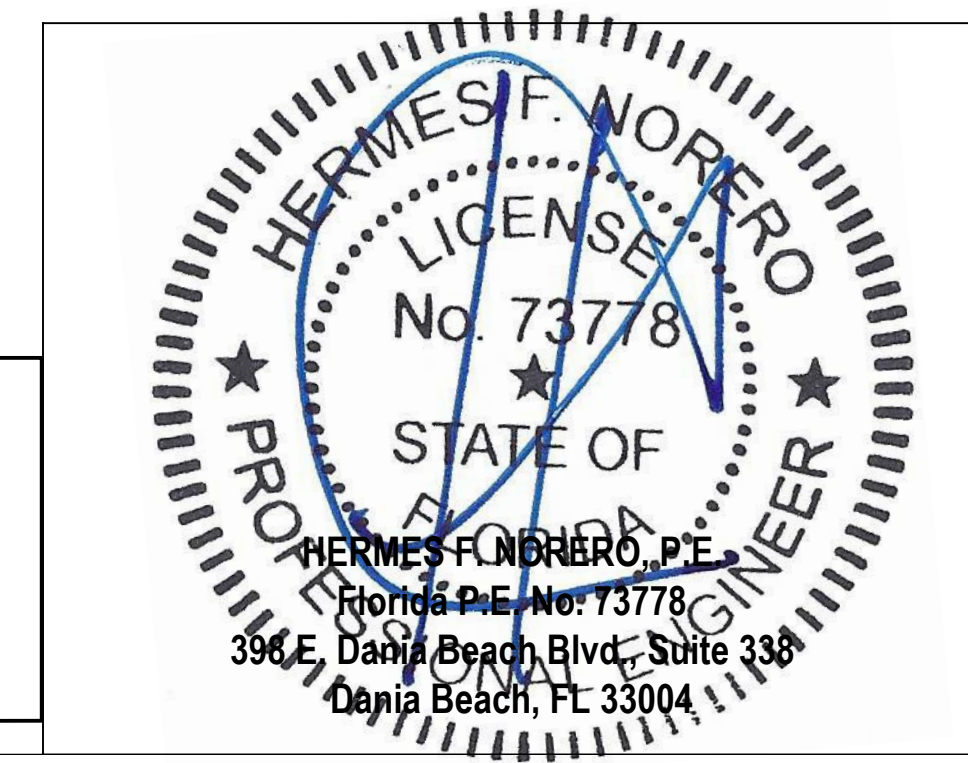


INTEGRAL MULL ASSEMBLY
(6) FASTENERS, (3) FASTENERS THROUGH EA. END OF INTEGRAL MULL, FACTORY ASSEMBLED

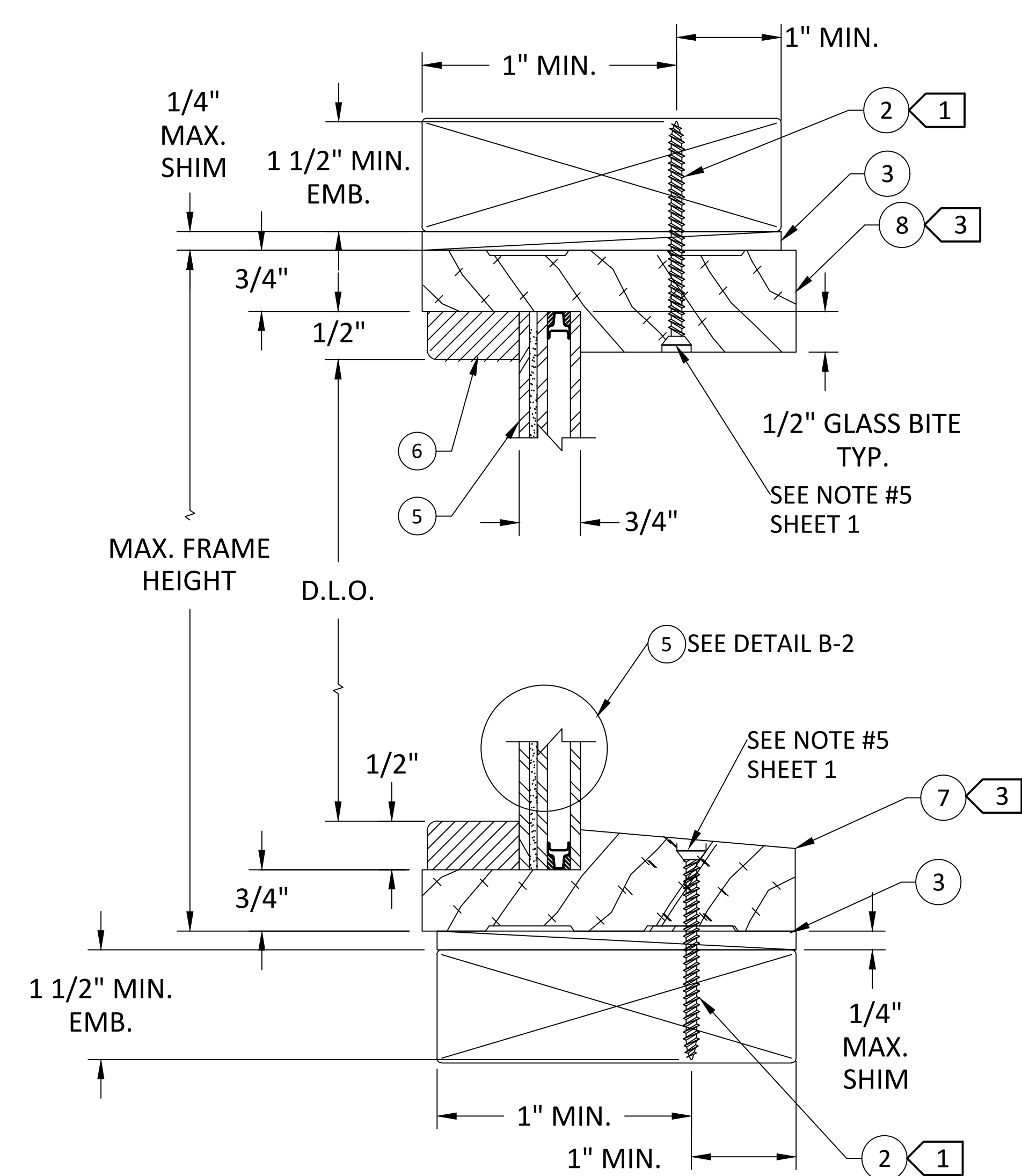


DETAIL B2
GLAZING DETAIL

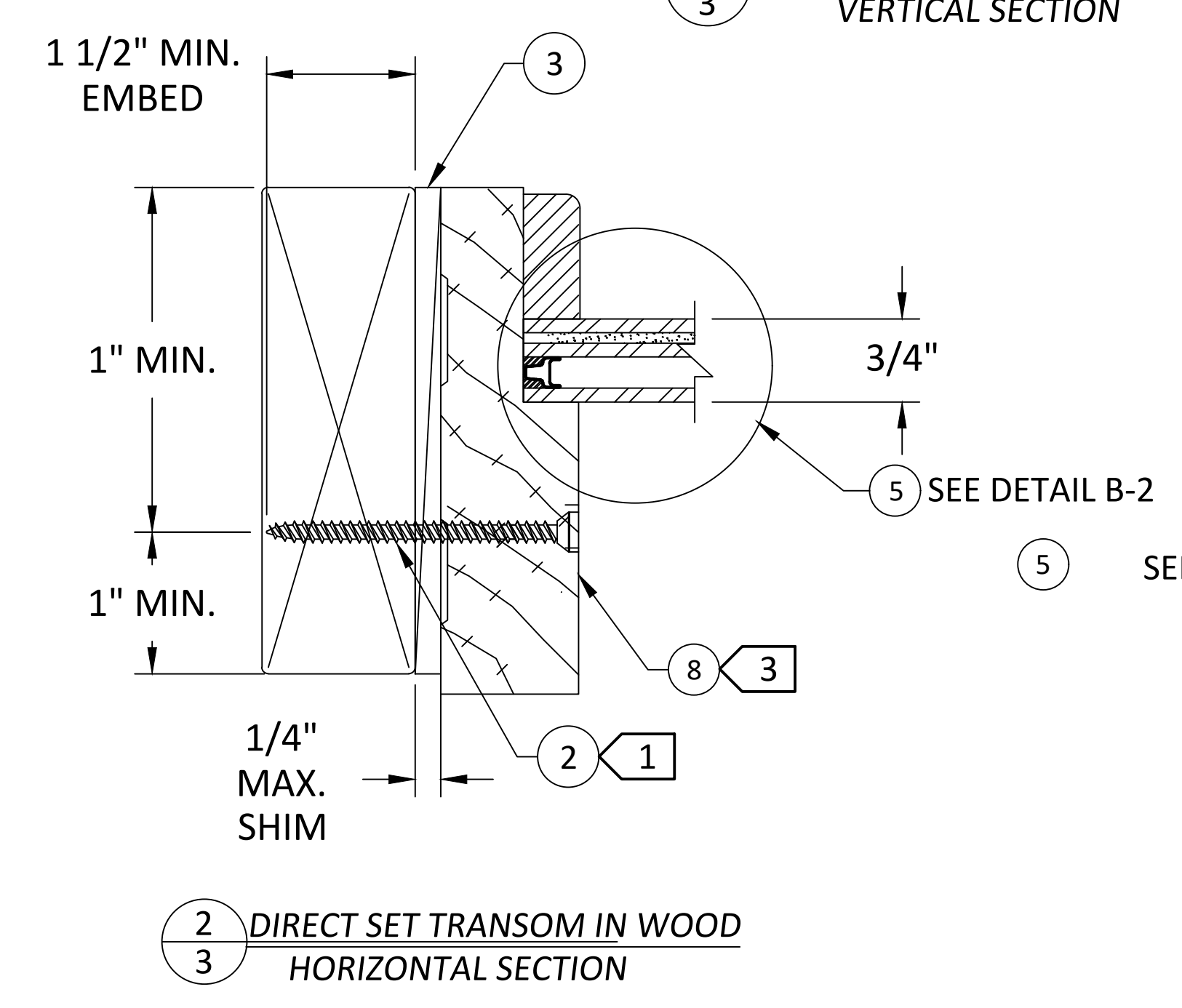
NOTE:
WOOD GLAZING BEAD SHALL BE FASTENED WITH 18 GA. BRAD NAILS, 3" FROM CORNERS & 6" O.C. THEREAFTER.



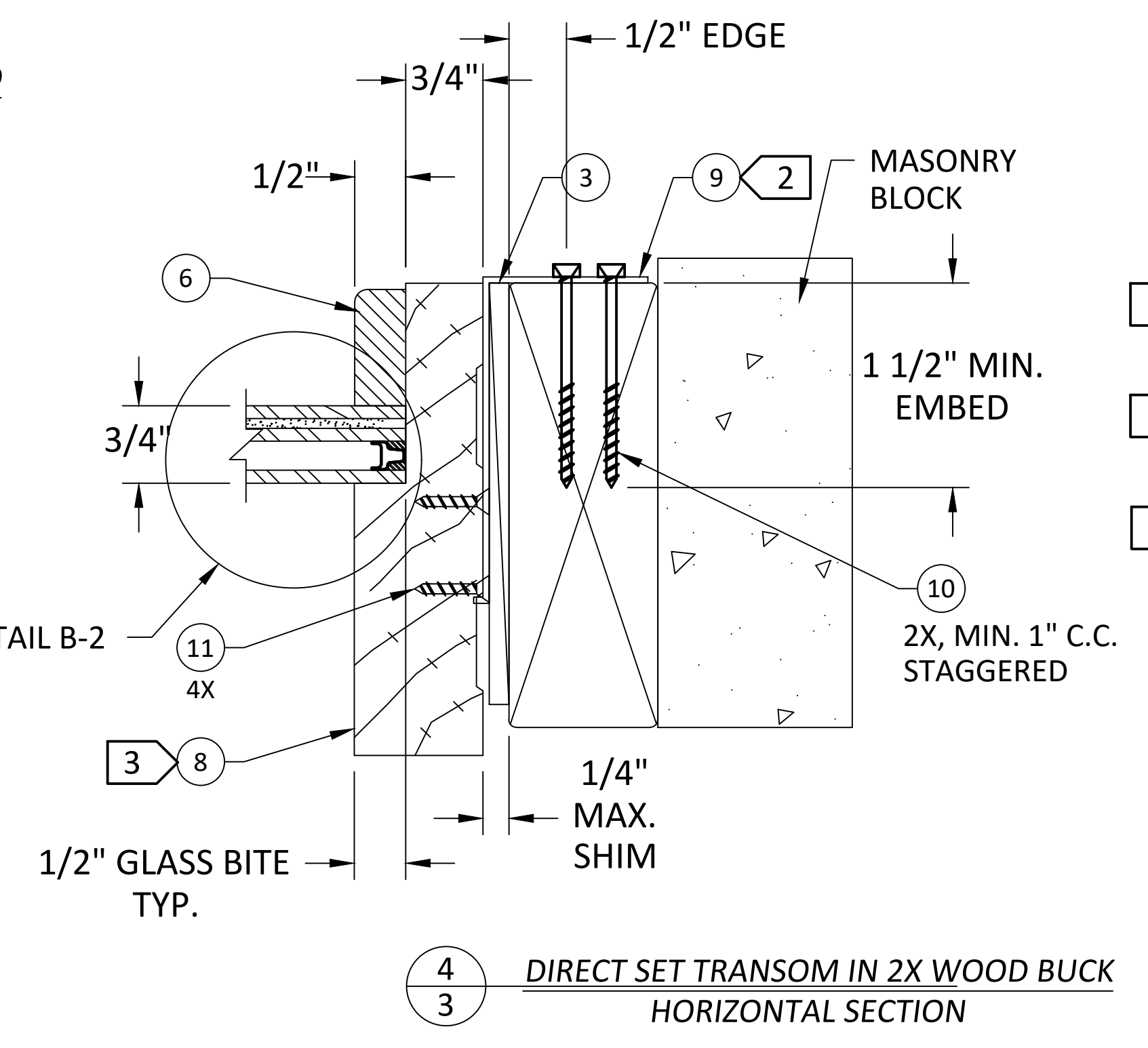
JELDWEN. WINDOWS & DOORS	3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609	
	PRODUCT AURORA CUSTOM DIRECT SET TRANSOM FULL LITE IMPACT WZ3	PART OR ASSEMBLY MULLING DETAILS AND GLAZING OPTIONS
DATE: 5/21/2013		
SCALE: NONE		
DWG. BY: G.LUBBECKE		
CHK. BY: G.ROLLINSON		
DRAWING No.: A009448		
SHEET 2 OF 7		



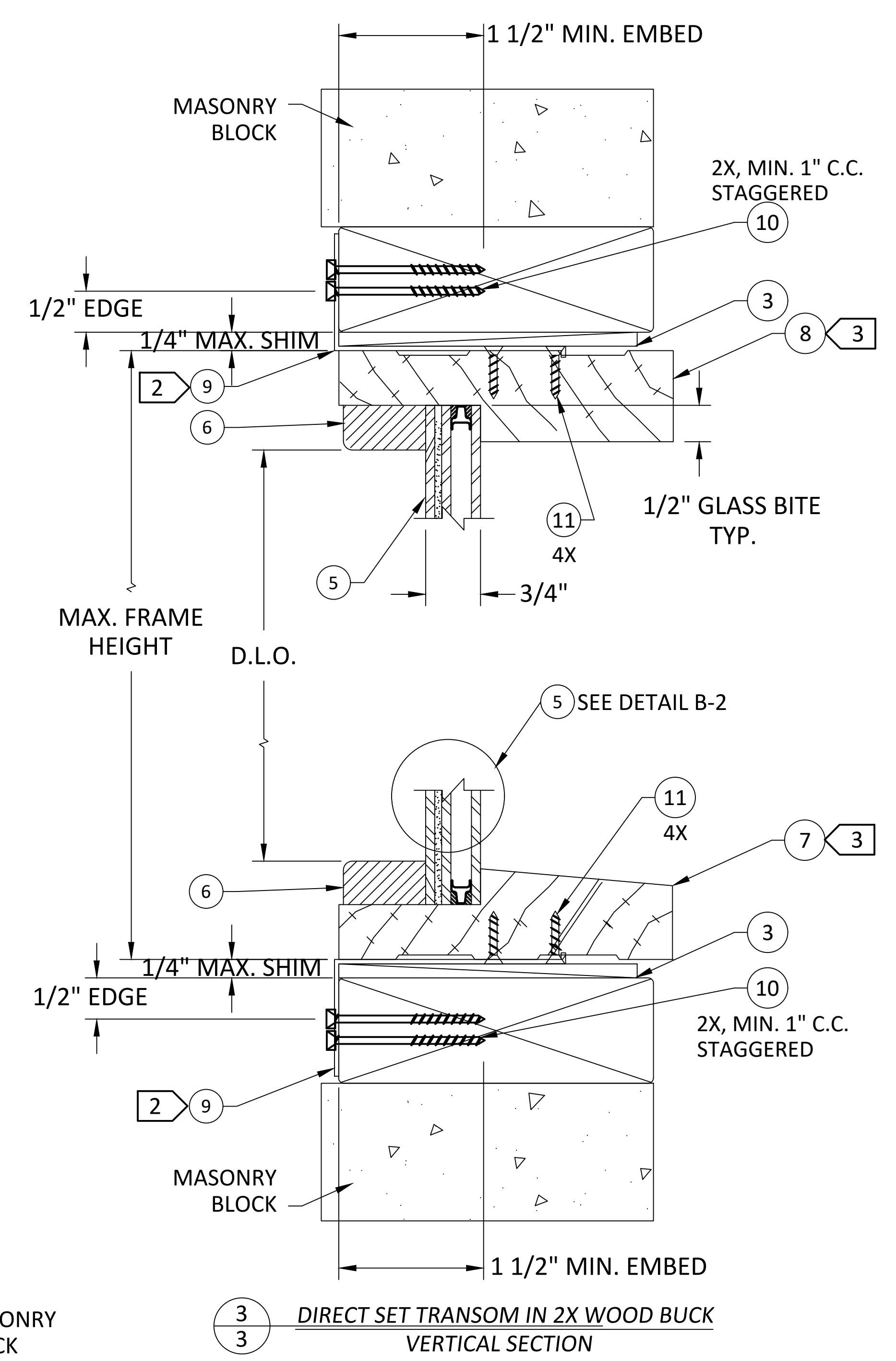
1
3 DIRECT SET TRANSOM IN WOOD
VERTICAL SECTION



2
3 DIRECT SET TRANSOM IN WOOD
HORIZONTAL SECTION

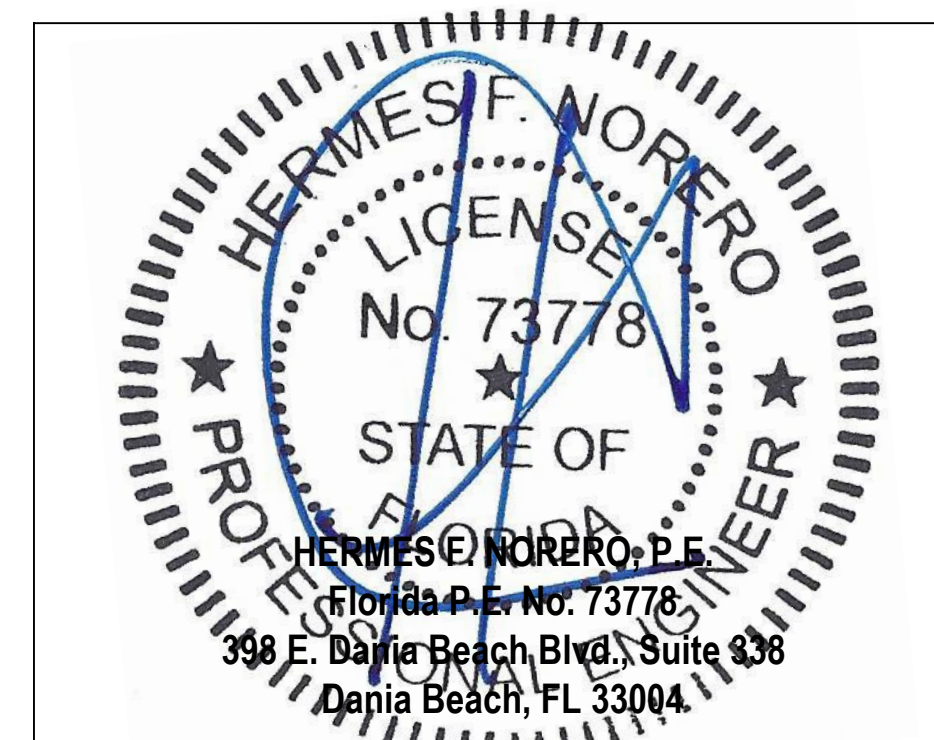


4
3 DIRECT SET TRANSOM IN 2X WOOD BUCK
HORIZONTAL SECTION

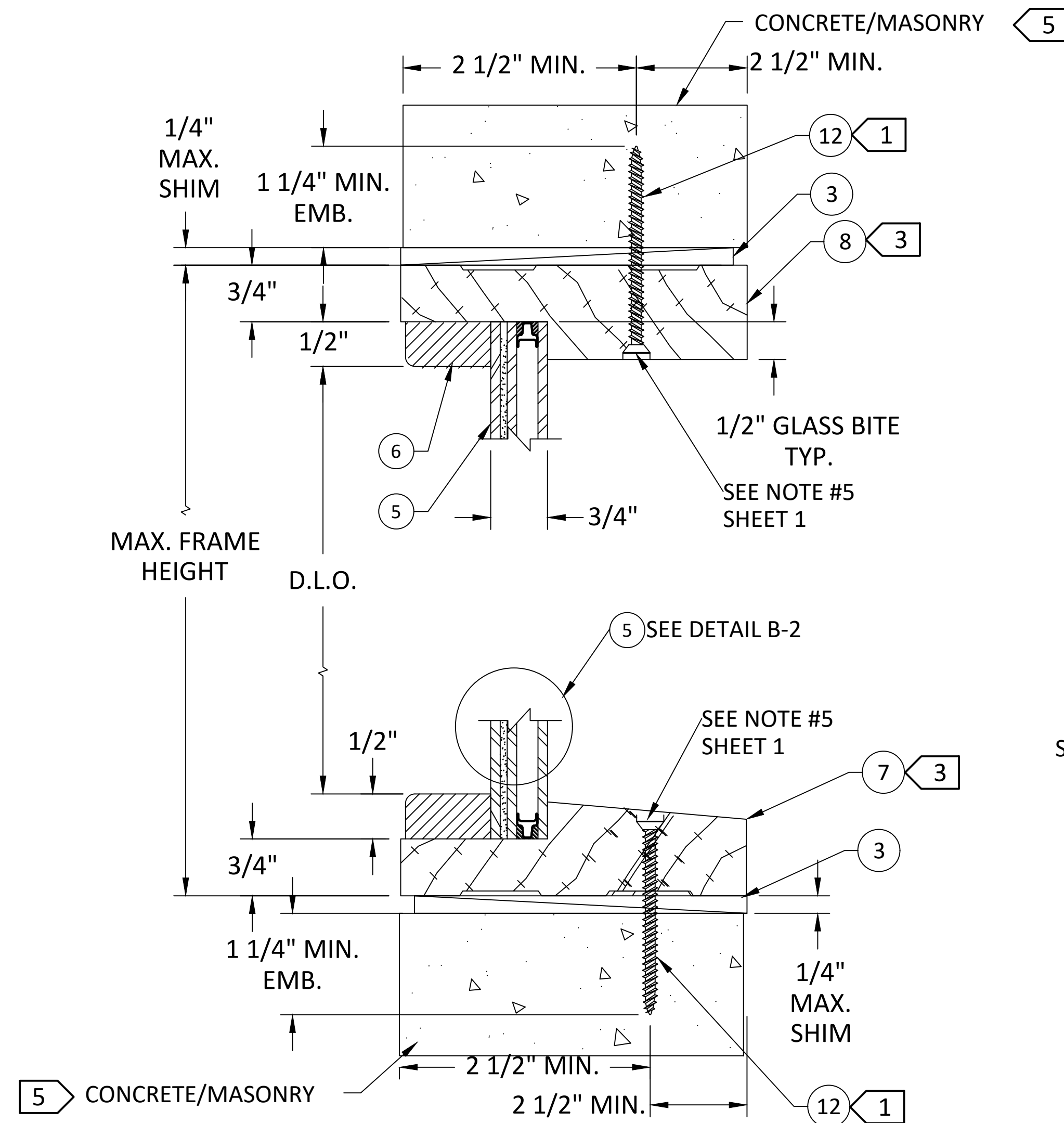


3
3 DIRECT SET TRANSOM IN 2X WOOD BUCK
VERTICAL SECTION

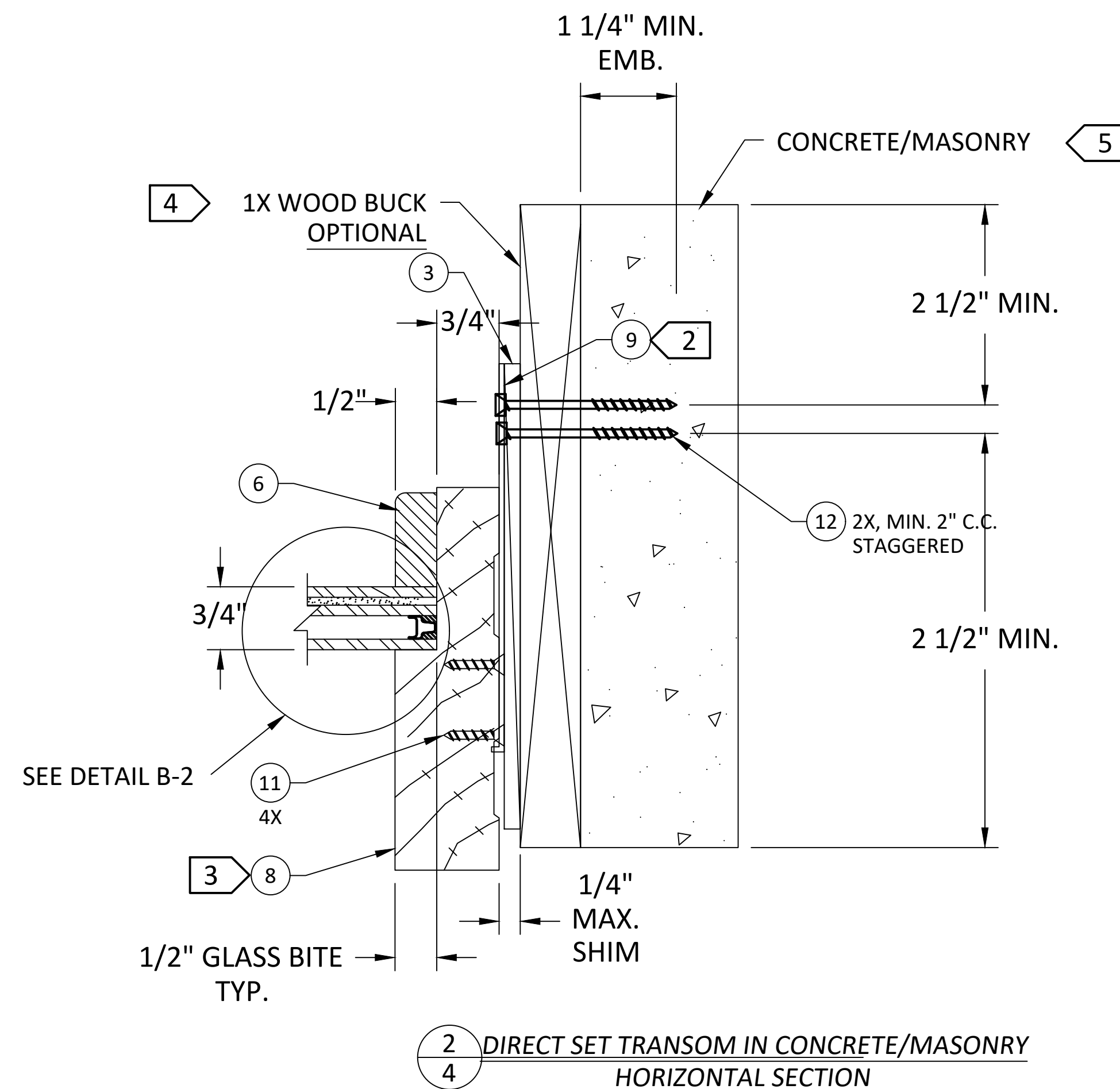
- NOTES:
- 1 FOR PLACEMENT OF #10 SCREW ANCHORS IN 2X BUCK OPENINGS, SEE SHEET 5.
 - 2 FOR PLACEMENT OF CLIP ANCHORS IN 2X BUCK IN CONCRETE/MASONRY OPENINGS, SEE SHEET 6.
 - 3 FRAMES MAY BE INSTALLED IN REVERSE ORIENTATION TO ALIGN WITH INSWING OR OUTSWING DOORS (INSWING SHOWN)



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PRODUCT AURORA CUSTOM DIRECT SET TRANSOM FULL LITE IMPACT WZ3	PART OR ASSEMBLY VERTICAL AND HORIZONTAL SECTIONS IN WOOD
DATE: 5/21/2013	
SCALE: NONE	
DWG. BY: G.LUBBECKE	
CHK. BY: G.ROLLINSON	
DRAWING No.: A009448	
SHEET 3 OF 7	

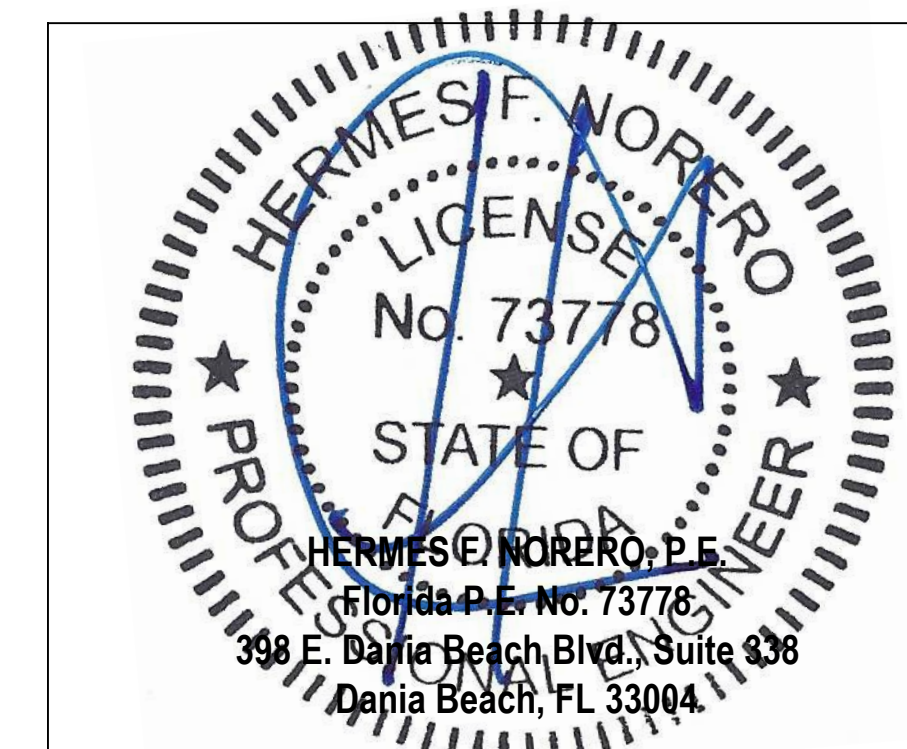


1/4 DIRECT SET TRANSOM IN CONCRETE/MASONRY
VERTICAL SECTION



2/4 DIRECT SET TRANSOM IN CONCRETE/MASONRY
HORIZONTAL SECTION

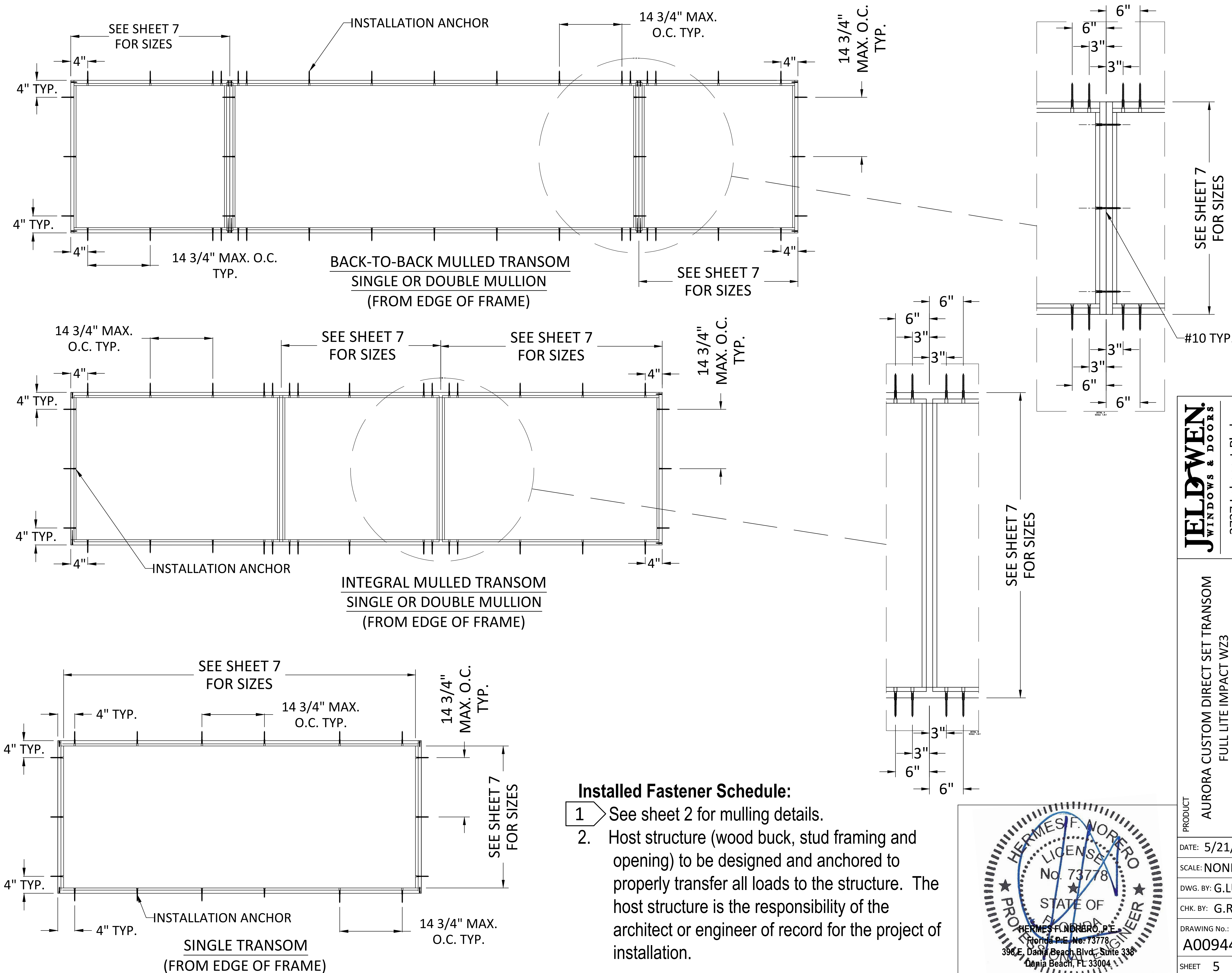
- NOTES:
- 1 FOR PLACEMENT OF 3/16" ITW TAPCON ANCHORS THROUGH FRAME IN CONCRETE/MASONRY OPENINGS, SEE SHEET 5.
 - 2 FOR PLACEMENT OF CLIP ANCHORS IN CONCRETE/MASONRY IN CONCRETE/MASONRY OPENINGS, SEE SHEET 6.
 - 3 FRAMES MAY BE INSTALLED IN REVERSE ORIENTATION TO ALIGN WITH INSWING OR OUTSWING DOORS.
 - 4 1X WOOD BUCK OPTIONAL, UNITS MAY BE INSTALLED DIRECTLY TO CONCRETE/MASONRY WITH OPTIONAL 1/4" MAX. SHIM.
 - 5 CONCRETE SHALL BE MIN. f'c = 3000 PSI, CMU SHALL CONFROM TO ASTM C90



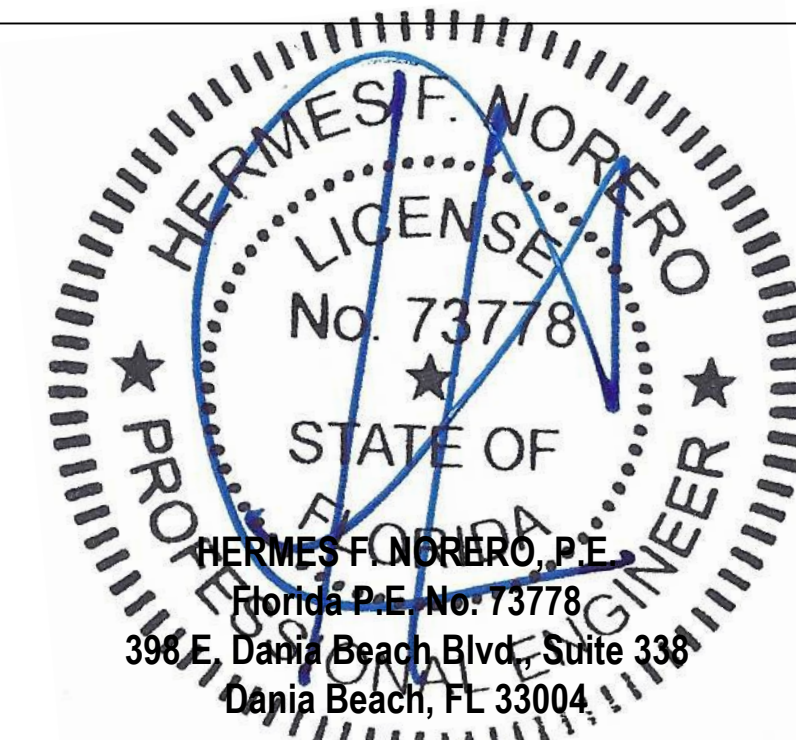
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WINDOWS & DOORS
3737 Lakeport Blvd.
Klamath Falls, OR 97601
Phone: (541) 882-3451
Fax: (541) 850-2609

PRODUCT
AURORA CUSTOM DIRECT SET TRANSOM
FULL LITE IMPACT WZ3
PART OR ASSEMBLY
VERTICAL AND HORIZONTAL SECTIONS
IN MASONRY/CONCRETE

DATE: 5/21/2013
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.:
A009448
SHEET 4 OF 7



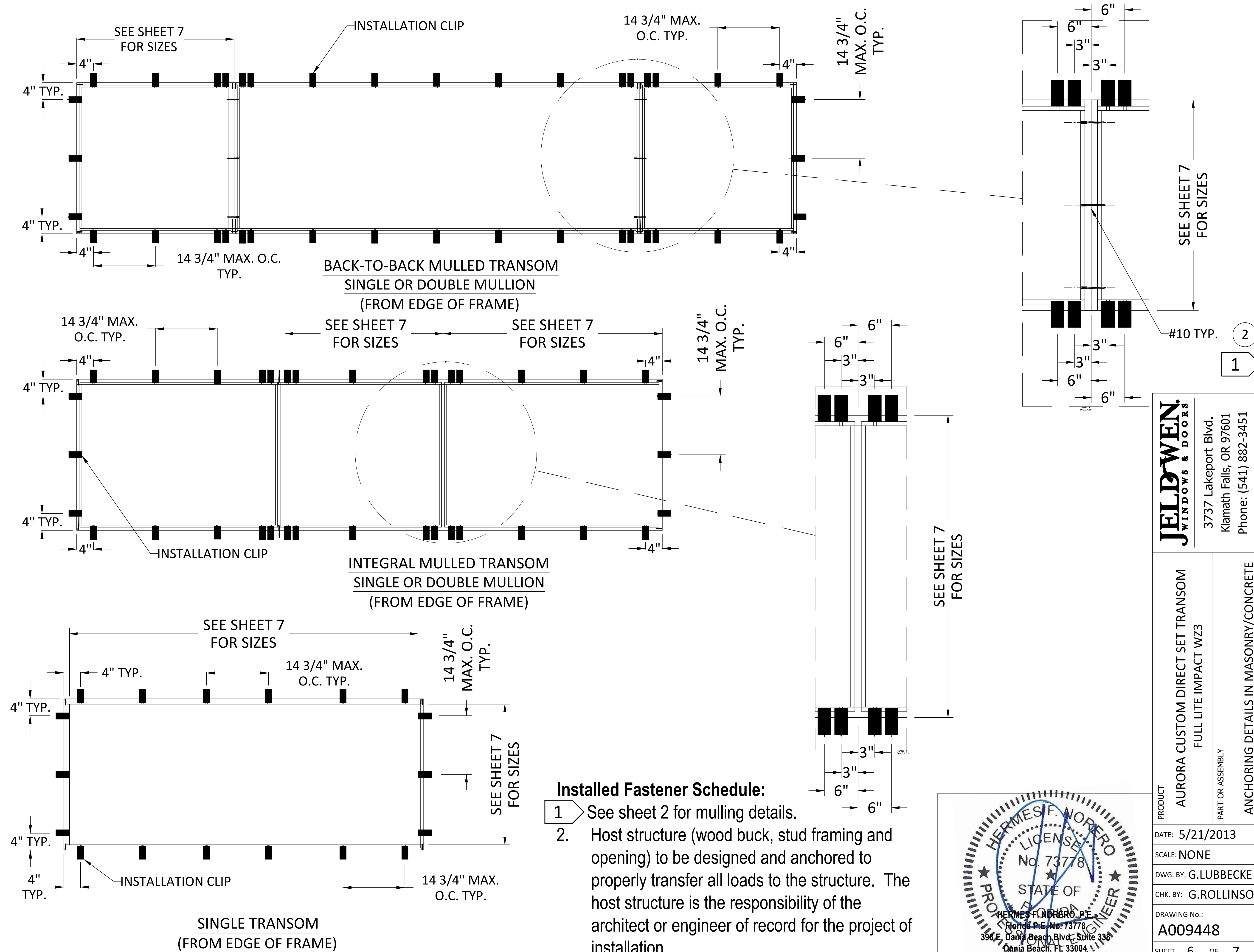
- Installed Fastener Schedule:**
- 1 See sheet 2 for mulling details.
 2. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.



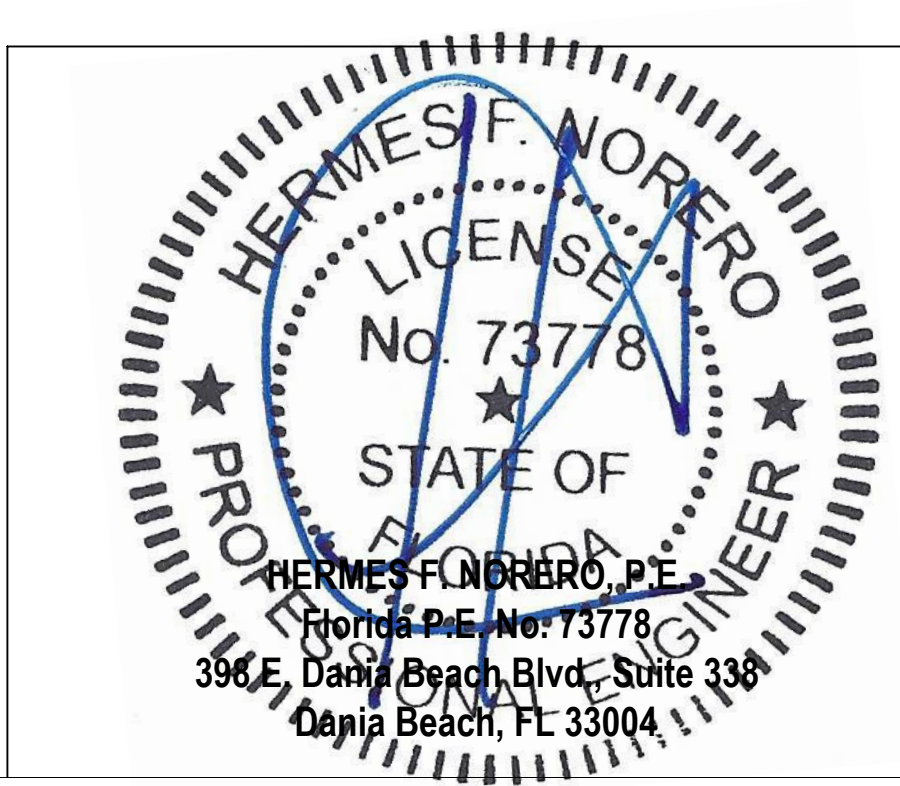
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Fax: (541) 850-2609

PRODUCT
AURORA CUSTOM DIRECT SET TRANSOM
FULL LITE IMPACT WZ3
PART OR ASSEMBLY
ANCHORING DETAILS IN WOOD BUCK

DATE: 5/21/2013
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: G.ROLLINSON
DRAWING No.:
A009448
SHEET 5 OF 7



- Installed Fastener Schedule:**
- 1 See sheet 2 for mulling details.
 2. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.



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PRODUCT	AURORA CUSTOM DIRECT SET TRANSOM FULL LITE IMPACT W23
PART OR ASSEMBLY	ANCHORING DETAILS IN MASONRY/CONCRETE
DATE:	5/21/2013
SCALE:	NONE
DWG. BY:	G.LUBBECKE
CHK. BY:	G.ROLLINSON
DRAWING No.:	A009448
SHEET	6 OF 7

TABLE A.1

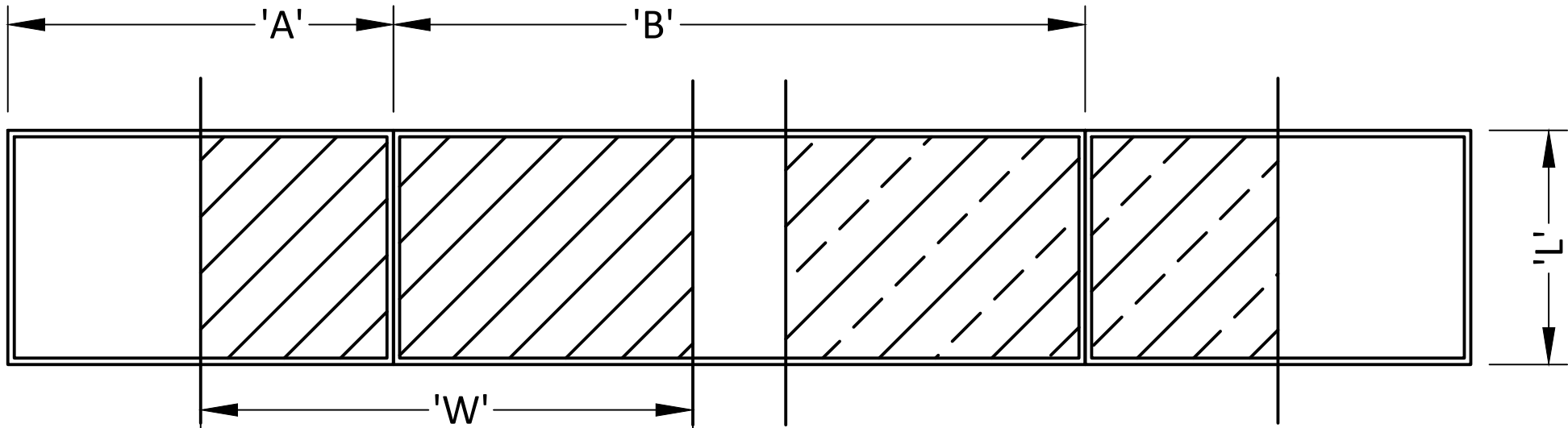
Maximum Positive Design Pressure Capacity (PSF) for Mull Configuration:															
L - Mull Length (in)	W - Tributary Width (in)														
	14.0	20.0	26.0	32.0	38.0	44.0	50.0	56.0	62.0	68.0	74.0	80.0	86.0	92.0	98.0
12.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
18.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
24.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-
30.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-
36.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-
42.00	60.0	49.0	40.0	35.1	32.8	32.4	32.4	-	-	-	-	-	-	-	-
48.00	44.7	32.2	25.9	22.3	20.2	19.2	-	-	-	-	-	-	-	-	-
54.00	31.2	22.4	17.8	15.1	13.4	-	-	-	-	-	-	-	-	-	-
60.00	22.6	16.2	12.8	10.7	-	-	-	-	-	-	-	-	-	-	-

TABLE A.2

Maximum Negative Design Pressure Capacity (PSF) based on Mull Configuration:															
L - Mull Length (in)	W - Tributary Width (in)														
	14.0	20.0	26.0	32.0	38.0	44.0	50.0	56.0	62.0	68.0	74.0	80.0	86.0	92.0	98.0
12.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
18.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
24.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-
30.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-	-
36.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-	-	-	-
42.00	80.0	65.4	53.3	46.8	43.8	43.2	43.2	-	-	-	-	-	-	-	-
48.00	59.6	43.0	34.5	29.7	26.9	25.6	-	-	-	-	-	-	-	-	-
54.00	41.6	29.8	23.7	20.1	17.9	-	-	-	-	-	-	-	-	-	-
60.00	30.2	21.5	17.0	14.3	-	-	-	-	-	-	-	-	-	-	-

DESIGN PRESSURE TABLE NOTES:

1. Design pressures at left apply to a single daylight opening.
2. Design pressures have been determined in accordance with FBC Chapter 17.
3. Square footage area has been limited to equal to or less than tested area.
4. The lesser design pressures limited by the mull tables (Table A.1 or A.2) or the design pressures based on daylight opening (Table B.1 or B.2) shall govern the overall assembly's design pressure.



TYPICAL ELEVATION SHOWING MULLION DESIGN PRESSURE CAPACITY REGIONS

Tributary Width = W = (A+B)/2

Mullion Length = L

TABLE B.1

Maximum Positive Design Pressure (PSF) based on Daylight Opening (D.L.O.)														
D.L.O. Short Leg	D.L.O. Long Leg													
	17.25	23.25	29.25	35.25	41.25	47.25	53.25	59.25	65.25	71.25	77.25	83.25	89.25	95.25
15.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
21.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
27.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-
34.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.9	-	-	-
39.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.2	-	-	-	-	-
45.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.1	-	-	-	-	-	-
51.25	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-
57.25	55.8	55.8	55.8	55.8	55.8	55.8	-	-	-	-	-	-	-	-

TABLE B.2

Maximum Negative Design Pressure (PSF) based on Daylight Opening (D.L.O.)														
D.L.O. Short Leg	D.L.O. Long Leg													
	17.25	23.25	29.25	35.25	41.25	47.25	53.25	59.25	65.25	71.25	77.25	83.25	89.25	95.25
15.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
21.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
27.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
33.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
34.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	79.9	-	-	-
39.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.6	-	-	-	-	-
45.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	76.1	-	-	-	-	-	-
51.25	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-	-	-	-
57.25	74.4	74.4	74.4	74.4	74.4	74.4	-	-	-	-	-	-	-	-

DESIGN PRESSURE TABLE NOTES:

1. Design pressures at left apply to a single daylight opening.
2. Design pressures have been determined in accordance with the current FBC.
3. Square footage area has been limited to equal to or less than tested area.
4. For mull configurations, the lesser design pressures limited by the mull tables (Table A.1 or A.2) or the design pressures based on daylight opening (Table B.1 or B.2) shall govern the overall assembly's design pressure.
5. Design pressures and D.L.O.'s are based on rectangular units. Radius and half round units fitting into the maximum rectangular sizes are also approved

JELDWEN
WINDOWS & DOORS

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

PRODUCT
AURORA CUSTOM DIRECT SET TRANSON
FULL LITE IMPACT W23

PART OR ASSEMBLY
DESIGN PRESSURE TABLES

DATE: 5/21/2013

SCALE: NONE

DWG. BY: G.LUBBECKE

CHK. BY: G.ROLLINSON

DRAWING No.:
A009448

SHEET 7 OF 7

