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JELD-WEN, inc.

AURORA® CUSTOM FIBERGLASS DOOR & WOOD DIRECT SET TRANSOM BACK TO BACK MULLION (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. FOR UNCLIPPED MULLIONS: USE FOUR (6) #10 WOOD SCREWS, PER MULLION END, OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1-½" INTO WOOD FRAMING. (SEE INSTALLATION DETAILS ON SHEET 2).
5. FOR UNCLIPPED MULLIONS: USE FOUR (6) ¾"Ø TAPCONS, PER MULLION END, OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1-¾" INTO CONCRETE OR MASONRY. (SEE INSTALLATION DETAILS ON SHEET 2).
6. FOR UNCLIPPED MULLIONS: USE FOUR (6) #14-14 HWH SELF-DRILLING OR SELF-TAPPING SCREWS, PER MULLION END, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND METAL SUBSTRATE. (SEE INSTALLATION DETAILS ON SHEET 2).
7. MINIMUM EDGE DISTANCES ARE BASED ON ¾" FOR #10 WOOD SCREWS, 2-½" FOR ¾" TAPCONS, & ½" FOR #14-14 HWH SELF-TAPPING OR SELF-DRILLING SCREWS.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK, VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. CMU - SHALL CONFORM TO MIN. REQUIREMENTS OF ASTM C90

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. (0.0478") WALL THICKNESS.

E. ALUMINUM - ALLOY SHALL BE 6063-T5 OR EQUIVALENT. MINIMUM (0.090") WALL THICKNESS.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 8TH FLORIDA BUILDING CODE (FBC), SECTION 1709.8, **EXCLUDING** HVHZ.
2. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THESE PRODUCTS IN WIND BORNE DEBRIS REGIONS ZONE 3 OR LESS SUCH THAT ADJOINING WINDOWS ARE EQUALLY IMPACT RATED.
3. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** FOR THIS PRODUCT IN WIND BORNE DEBRIS REGION ZONE 4.
4. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
6. THIS MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE JELD-WEN PRODUCTS. QUALIFIED CONFIGURATIONS INCLUDE DOOR, SIDELITE & TRANSOM WINDOW PRODUCTS.
7. ALL WINDOWS USED WITH THIS MULLION SHALL BE QUALIFIED UNDER SEPARATE APPROVAL. THE LESSER DESIGN PRESSURE RATING OF THE WINDOW OR THE MULLION OF INSTALLATION SHALL GOVERN THE OVERALL DESIGN PRESSURE OF THE ASSEMBLY.
8. DOOR FRAME/MULLION MATERIAL:

MAHOGANY WOOD

RED GRANDIS WOOD
9. IN ACCORDANCE WITH THE 8TH EDITION FLORIDA BUILDING CODE (FBC), DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.

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JELD-WEN, inc.
3737 LAKEPORT BOULEVARD
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TITLE:
AURORA DIRECT SET TRANSOM
BACK TO BACK MULLION
(NON-HVHZ)(NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

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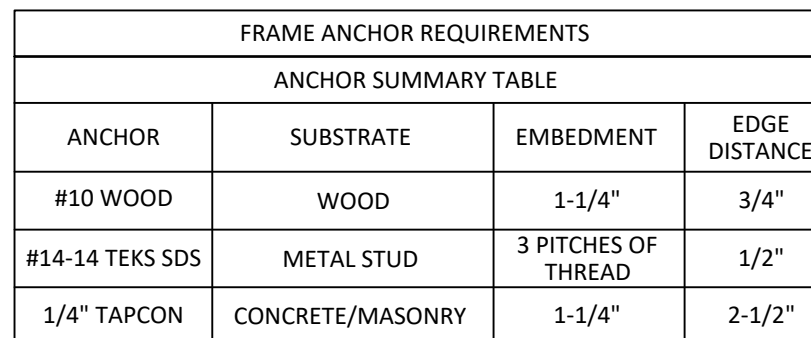
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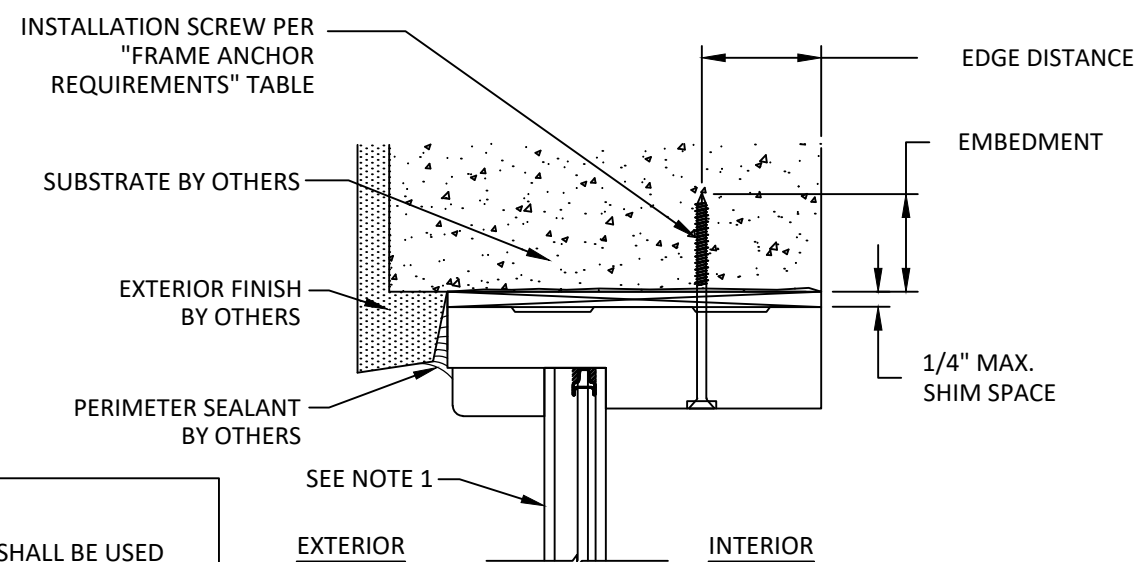
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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	04.12.17
DWG. BY: LA	CHK. BY: HFN
SCALE:	NTS
DWG. #:	JW049

SHEET
1
OF 4



B 2 HEAD SECTIONTHROUGH FRAME INSTALLATION (SILL & SIDES ARE INSTALLED THE SAME)



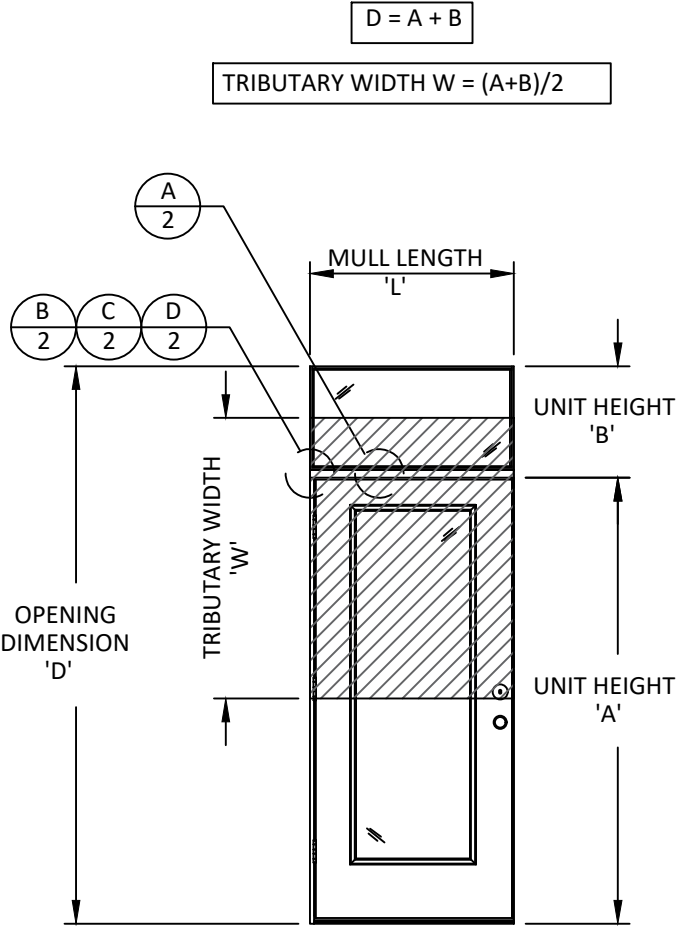
D 2 HEAD SECTIONTHROUGH FRAME INSTALLATION (SILL & SIDES ARE INSTALLED THE SAME)

- MULLION NOTES:**
1. WINDOW UNIT SHOWN ON THIS SHEET IS TYPICAL AND SHALL BE USED FOR DIAGRAMMATIC PURPOSES ONLY. ALL WINDOW AND DOOR PRODUCTS TO BE MULLED SHALL BE UNDER SEPARATE FL APPROVAL.
 2. MULLION SHOWN HEREIN MAY BE USED WITH APPROVED WINDOW OR DOOR PRODUCTS WHICH ARE COMPATIBLE WITH THE DIRECT SET TRANSOM MULLIONS.
 3. INSTALLATION SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SEALING & ASSEMBLY. SHOULD MANUFACTURER'S INSTALLATION INSTRUCTION AND THOSE SHOWN HEREIN DEViate, THE DRAWINGS HEREIN SHALL GOVERN.
 4. THREE ANCHORS CLUSTERED TO EACH SIDE OF MULLION, SPACED 3" , 6" & 9" AWAY FROM MULLION AT BOTH ENDS.

AURORA® CUSTOM FIBERGLASS DOOR & WOOD
DIRECT SET TRANSOM BACK-TO-BACK MULLION
ONE-WAY CONFIGURATION (THROUGH FRAME INSTALLATION)

Maximum design pressure capacity chart (psf):													
L - Mull Length (in)	W - Tributary Width (in)												
	36.0	40.0	44.0	48.0	52.0	56.0	60.0	64.0	68.0	72.0	76.0	80.0	84.0
18.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
76.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
84.0	50.0	50.0	50.0	50.0	50.0	47.8	46.0	44.5	43.3	42.5	41.9	41.5	41.4
90.0	50.0	49.0	45.4	42.4	39.9	37.9	36.3	35.0	33.9	33.0	32.4	31.9	31.6
96.0	43.9	40.0	36.9	34.4	32.3	30.6	29.2	28.0	27.1	26.3	25.6	25.1	24.8
102.0	36.3	33.1	30.5	28.4	26.6	25.1	23.9	22.9	22.0	21.3	20.7	20.2	19.8
108.0	30.4	27.7	25.5	23.7	22.1	20.9	19.8	18.9	18.2	17.5	17.0	16.5	16.1
114.0	25.8	23.4	21.5	19.9	18.6	17.6	16.6	15.8	15.2				
120.0	22.0	20.0	18.3	17.0	15.9								

- NOTES:
- 'ONE-WAY' MULLIONS REFER TO EITHER VERTICAL SINGLE SPAN OR HORIZONTAL STACKED ASSEMBLIES SIMILAR TO THOSE DIAGRAMMED ON THIS SHEET.
 - THE POSITIVE AND NEGATIVE DESIGN PRESSURE CHARTS ABOVE ARE APPLICABLE FOR 'STANDARD INSTALLATION' PROCEDURES, SEE DETAILS B/2, C/2 & D/2.
 - WINDOW OR DOORS SHALL BE UNDER SEPARATE APPROVAL.
 - DESIGN PRESSURES SHALL BE GOVERNED BY THE LESSER OF THE MULLION ASSEMBLY (LISTED IN TABLE) OR INDIVIDUAL WINDOW OR DOOR UNIT UNDER SEPARATE APPROVAL.
 - MULLIONS MAY BE USED IN ASSEMBLIES UTILIZING MORE THAN TWO WINDOW OR DOOR UNITS AND CAN BE USED FOR UNLIMITED NUMBER OF PANELS.



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TITLE:
AURORA DIRECT SET TRANSOM
BACK TO BACK MULLION
(NON-HVHZ)/NON-IMPACT
1-WAY DESIGN PRESSURE TABLE
THROUGH FRAME INSTALLATION

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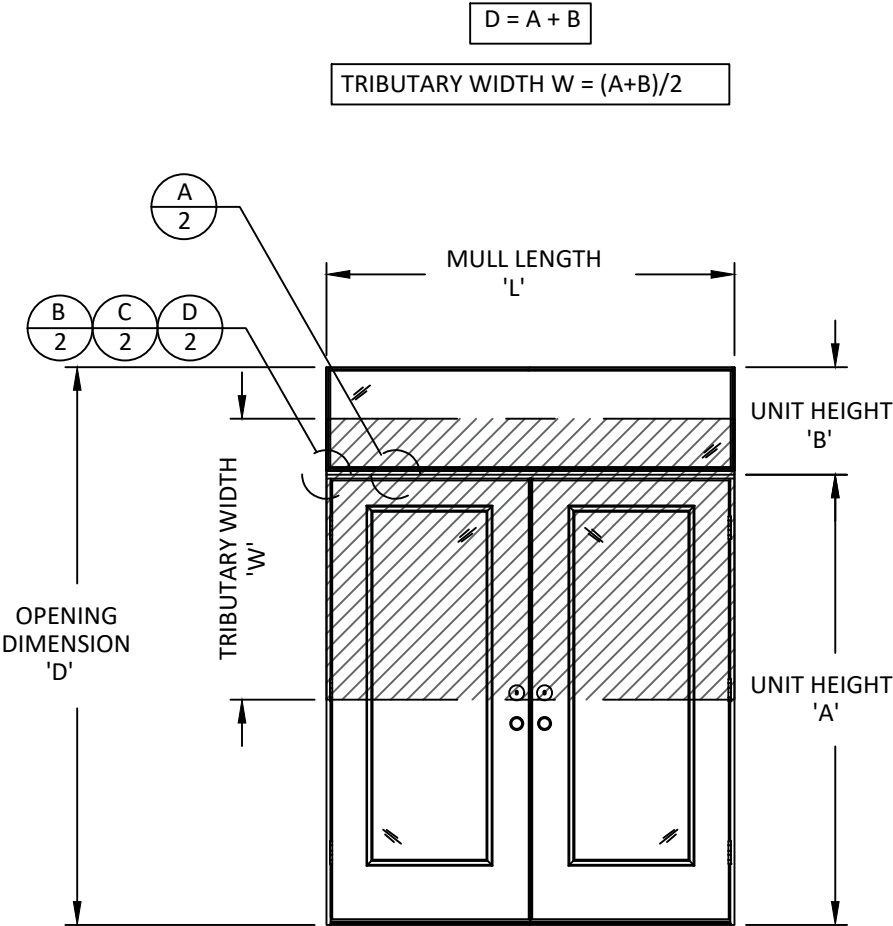
AURORA® CUSTOM FIBERGLASS DOOR & WOOD
DIRECT SET TRANSOM BACK-TO-BACK MULLION
TWO-WAY CONFIGURATION (THROUGH FRAME INSTALLATION)

Maximum design pressure capacity chart (psf):

L - Mull Length (in)	W - Tributary Width (in)												
	36.0	40.0	44.0	48.0	52.0	56.0	60.0	64.0	68.0	72.0	76.0	80.0	84.0
18.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.8
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.0	45.6	43.4
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.2	46.4	44.0	41.8	39.8
76.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.9	44.2	41.7	39.5	37.6	35.8
78.0	50.0	50.0	50.0	50.0	50.0	49.6	46.3	43.4	40.9	38.6	36.6	34.7	33.1
84.0	50.0	50.0	50.0	46.4	42.8	39.7	37.1	34.8	32.7	30.9	29.3	27.8	26.5
90.0	50.0	45.2	41.1	37.7	34.8	32.3	30.2	28.3	26.6	25.1	23.8	22.6	21.5
96.0	41.4	37.3	33.9	31.1	28.7	26.6	24.8	23.3	21.9	20.7	19.6	18.6	17.7
102.0	34.5	31.1	28.2	25.9	23.9	22.2	20.7	19.4	18.3	17.3	16.4	15.5	-
108.0	29.1	26.2	23.8	21.8	20.1	18.7	17.4	16.4	15.4	-	-	-	-
114.0	24.7	22.3	20.2	18.5	17.1	15.9	-	-	-	-	-	-	-
120.0	21.2	19.1	17.3	15.9	-	-	-	-	-	-	-	-	-

NOTES:

1. 'TWO-WAY' MULLIONS REFER TO EITHER VERTICAL OR HORIZONTAL WITH INTERMEDIATE MEMBERS SIMILAR TO THOSE DIAGRAMMED ON THIS SHEET. THE POSITIVE AND NEGATIVE DESIGN PRESSURE CHARTS ABOVE ARE APPLICABLE FOR 'STANDARD INSTALLATION' PROCEDURES, SEE DETAIL B/2, C/2 & D/2.
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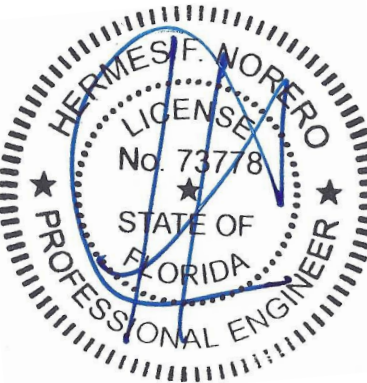
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AURORA DIRECT SET TRANSOM
BACK TO BACK MULLION
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2-WAY DESIGN PRESSURE TABLE
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