

OKNOPLAST SP. Z O.O.

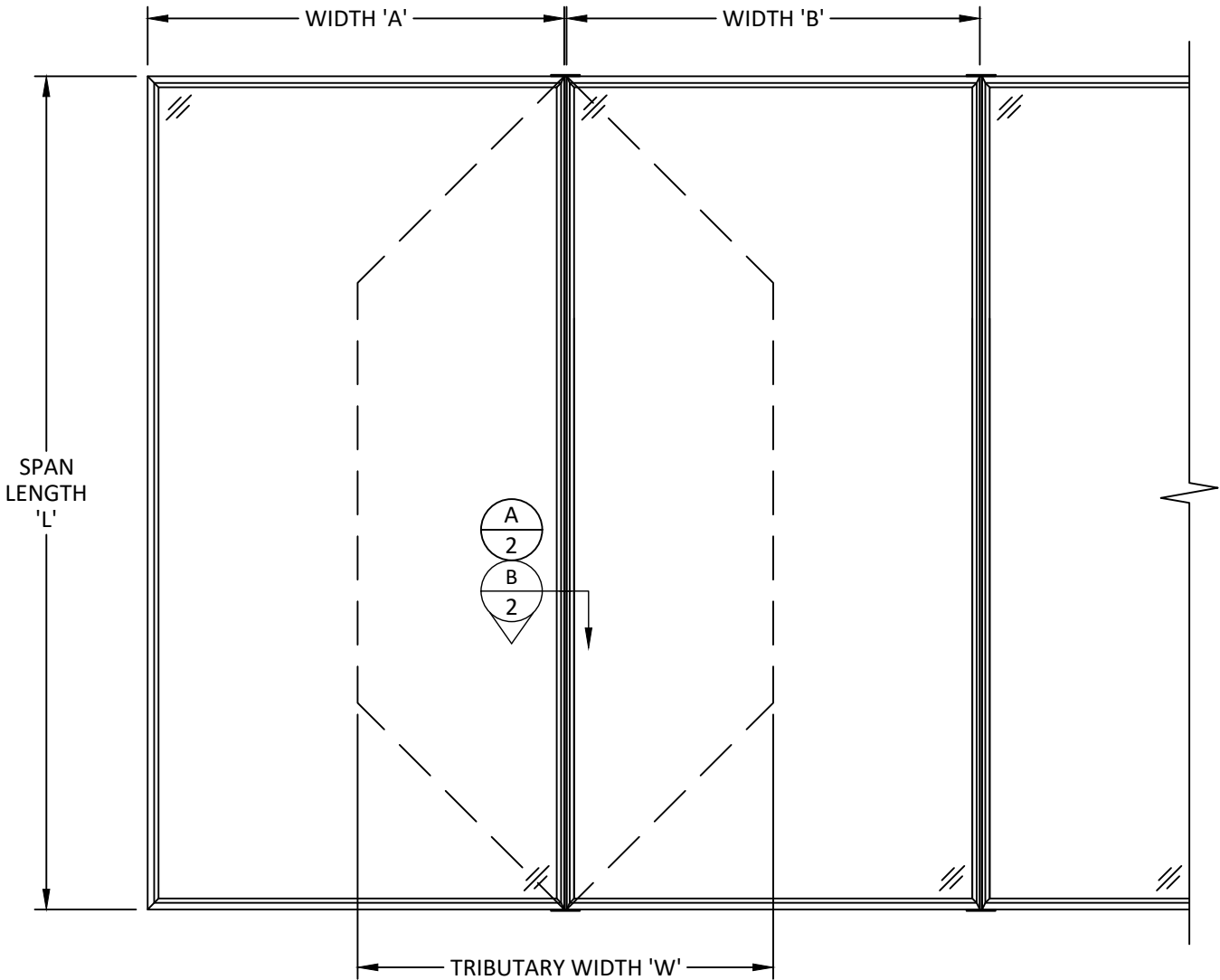
PAVA SERIES PVC MULLION

(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- ASTM E283/E283M-19
 - ASTM E330/E330M-14(21)
 - ASTM E331-00(23)
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. MULLION MATERIAL: uPVC
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

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TYPICAL ELEVATION

TRIBUTARY WIDTH $W = \frac{A + B}{2}$



OKNOPLAST SP. Z O.O.
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TITLE: PAVA SERIES PVC MULLION
(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES & TYPICAL ELEVATION

PREPARED BY: BUILDING DROPS, INC.
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PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A. 2026 FBC UPDATE	LS	06/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.09.21 17:45:09 -0400



HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL48064**

DATE: **01.13.2026**

DWG. BY: **HJ**

CHK. BY: **HFN**

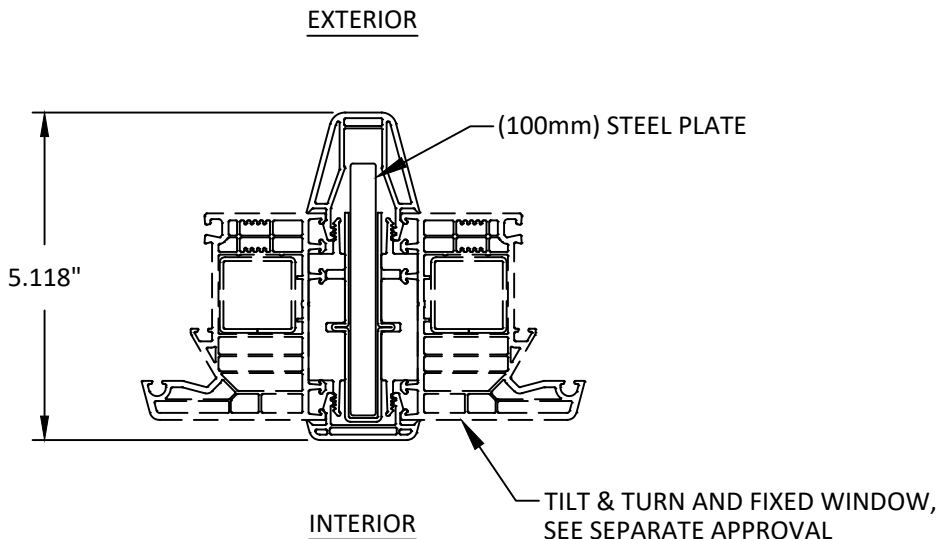
SCALE: **NTS**

DWG. #: **OKN010**

SHEET: **1**

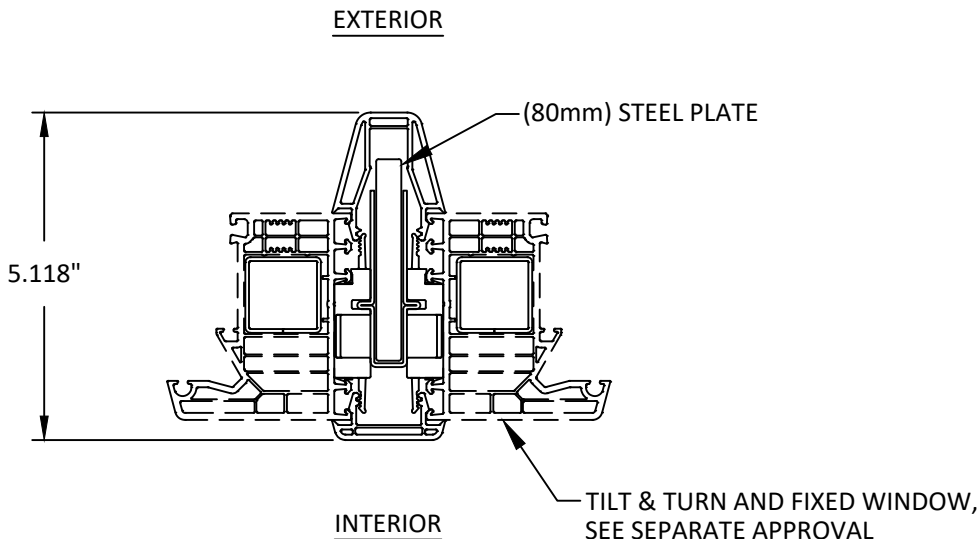
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A
2

CROSS SECTION
COUPLING MULLION
100mm STEEL PLATE



B
2

CROSS SECTION
COUPLING MULLION
80mm STEEL PLATE



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MULLION CROSS SECTIONS

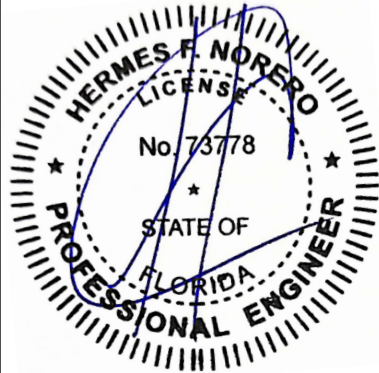
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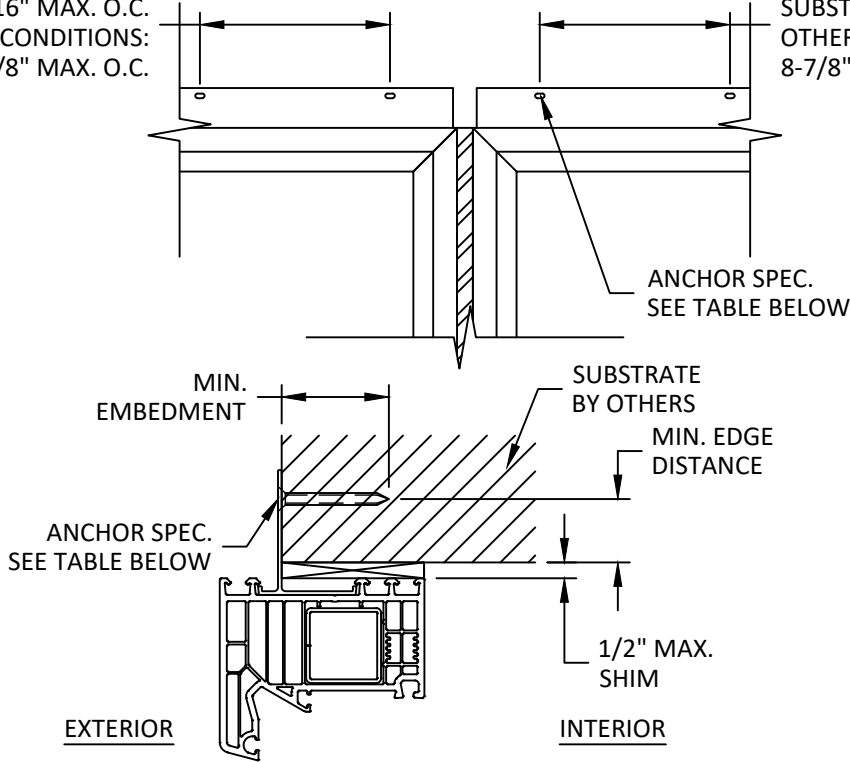


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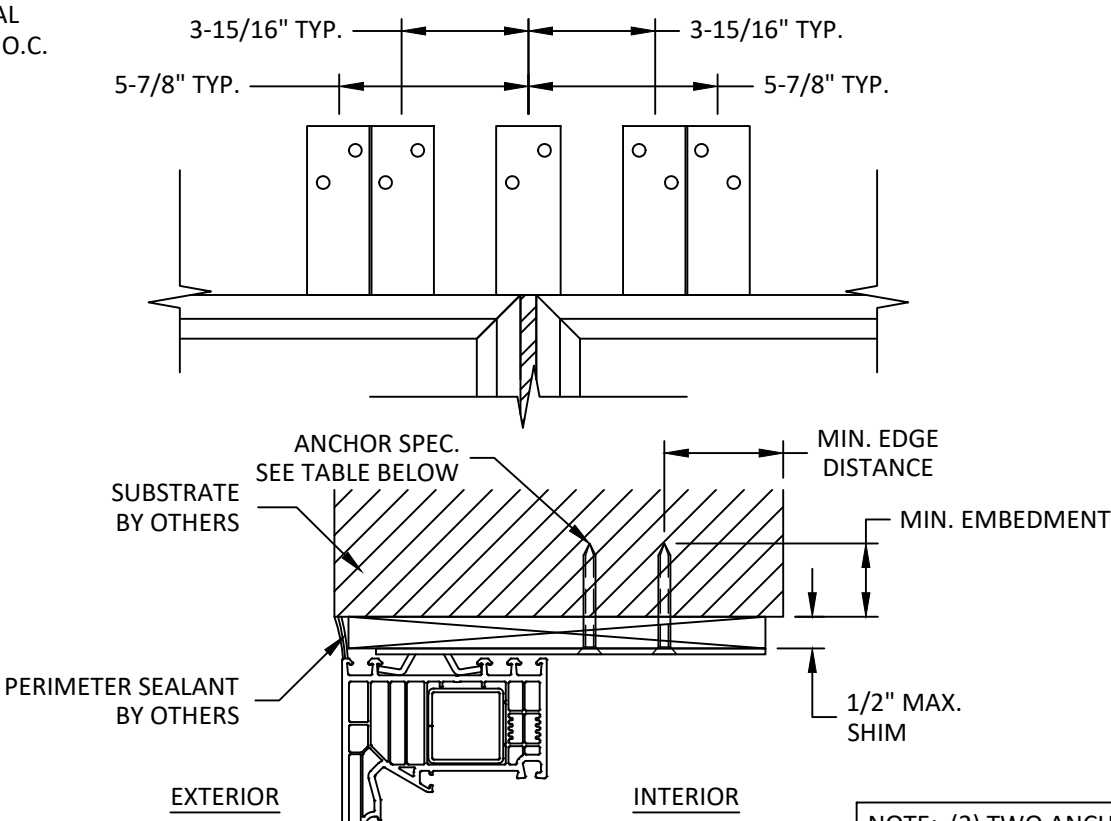
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#10 GR. 5 SCREWS ON METAL
SUBSTRATE: 6-11/16" MAX. O.C.
OTHER CONDITIONS:
8-7/8" MAX. O.C.



A
3 **ANCHOR LAYOUT**
NAIL FIN INSTALLATION
JAMB & SILL SIMILAR

#10 GR. 5 SCREWS ON METAL
SUBSTRATE: 6-11/16" MAX. O.C.
OTHER CONDITIONS:
8-7/8" MAX. O.C.



B
3 **ANCHOR LAYOUT**
STRAP INSTALLATION
JAMB & SILL SIMILAR

NOTE: (2) TWO ANCHOR REQUIRED
PER STRAP LOCATION

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION. UNLESS OTHERWISE SPECIFIED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	1/2"
	STEEL: MIN. 16 GA. MIN. Fy = 33 ksi	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
STRAP	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1-1/2"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	5/16" GR. 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON XL	1-1/4"	1-9/16"
	MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1-1/4"	2"



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ANCHOR LAYOUT
& INSTALLATION NOTES

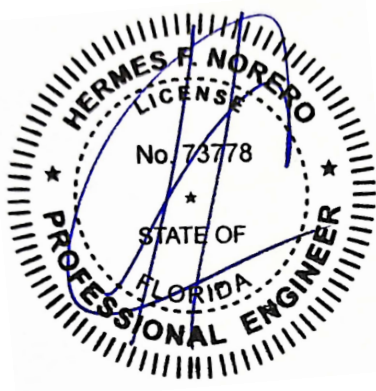
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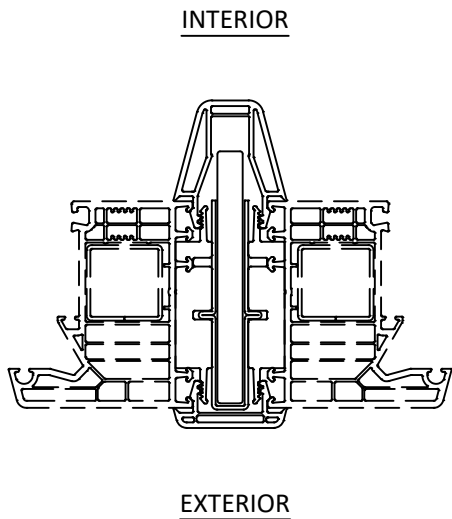
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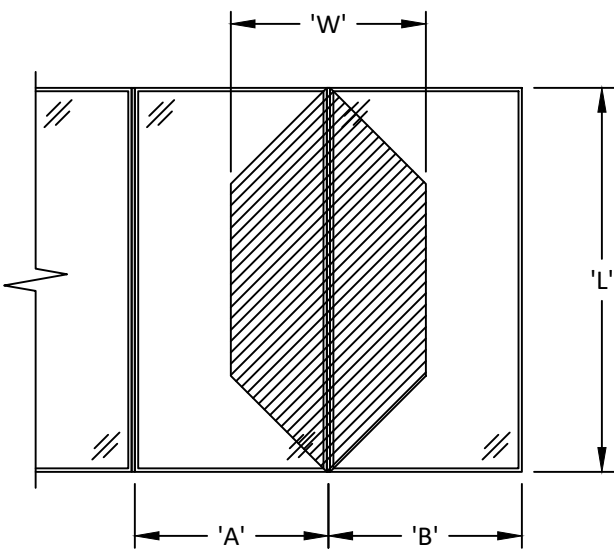
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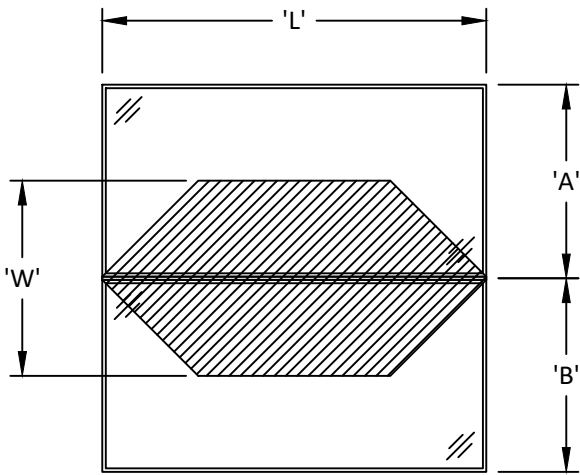
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MULLION DETAIL
COUPLING MULLION
100 MM STEEL PLATE



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - 100 MM COUPLING MULLION - ONE-WAY														
'L' - SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)													
	36	42	46.5	48	54	60	66	72	78	84	90	96	102	105
48	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
54	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
60	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
66	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
72	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
78	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
84	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.22	78.82	78.82	78.82	78.82	78.82
90	80.00	80.00	80.00	80.00	80.00	77.24	73.92	71.52	69.77	68.44	68.00	68.00	68.00	68.00
96	80.00	80.00	80.00	80.00	74.23	68.71	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50
98	80.00	80.00	80.00	77.91	70.89	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50
102	80.00	76.76	70.44	68.63	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50
108	73.65	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	65.75	64.29	63.28	62.69	62.55
114	67.50	67.50	67.50	67.50	67.50	67.50	67.50	64.90	62.31	59.79	57.69	56.11	55.01	54.62
120	67.50	67.50	67.50	67.50	67.50	67.50	62.56	58.59	55.40	52.82	50.77	49.16	47.94	47.47
126	67.50	67.50	67.50	67.50	63.02	57.74	53.56	50.20	47.48	45.28	43.51	42.10	41.00	40.55
132	67.50	67.50	62.10	60.36	54.44	49.80	46.10	43.12	40.69	38.71	37.09	35.77	34.72	34.28
138	67.50	59.40	54.11	52.58	47.36	43.26	39.99	37.33	35.16	33.37	31.90	30.69	29.70	-
144	60.25	52.12	47.45	46.09	41.47	37.84	34.92	32.55	30.60	28.99	27.65	26.54	-	-
150	53.20	45.99	41.84	40.64	36.52	33.29	30.69	28.56	26.81	25.36	24.15	23.13	-	-
156	47.21	40.79	37.08	36.01	32.34	29.44	27.11	25.21	23.63	22.32	21.22	-	-	-
162	42.09	36.34	33.03	32.07	28.78	26.18	24.08	22.37	20.94	19.75	-	-	-	-
168	37.69	32.52	29.54	28.68	25.72	23.38	21.49	19.94	18.65	17.57	-	-	-	-

TRIBUTARY WIDTH $W = \frac{A+B}{2}$

- NOTE:
- MULLION TABLES APPLIES ONE-WAY MULLION CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT UNITS SHALL BE UNDER SEPARATE FL APPROVAL.
 - WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/ INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



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MULLION DESIGN PRESSURE TABLE

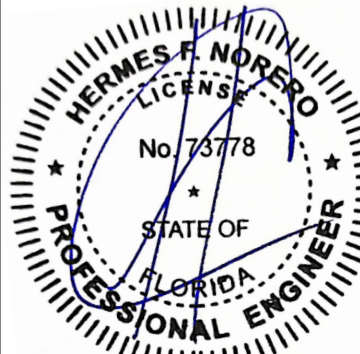
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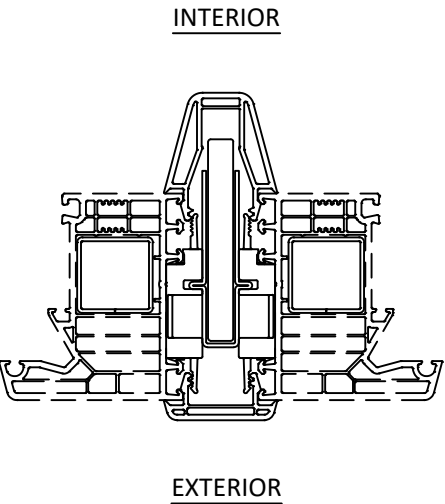
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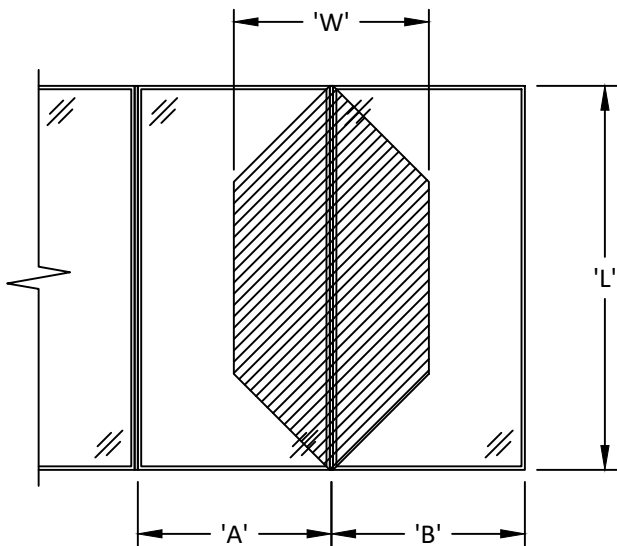


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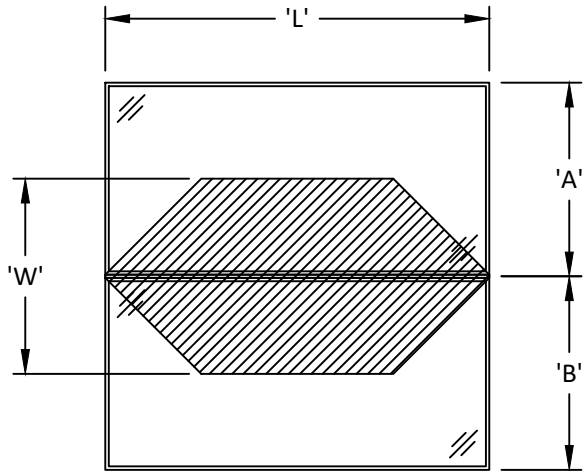
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MULLION DETAIL
COUPLING MULLION
80 MM STEEL PLATE



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - 80 MM COUPLING MULLION - ONE-WAY														
'L' - SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)													
	36	42	46.5	48	54	60	66	72	78	84	90	96	102	105
48	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
54	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
60	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
66	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
72	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
78	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
84	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.22	78.82	78.82	78.82	78.82	78.82
90	80.00	80.00	80.00	80.00	80.00	77.24	73.92	71.52	69.77	68.44	68.00	68.00	-	-
96	80.00	80.00	80.00	80.00	74.23	68.71	64.49	61.29	58.94	57.31	56.35	-	-	-
98	80.00	80.00	80.00	77.91	70.89	65.54	61.42	58.27	55.92	54.25	53.18	-	-	-
102	80.00	76.76	70.44	68.63	62.53	57.88	54.30	51.55	49.47	47.94	-	-	-	-
108	73.65	64.17	58.79	57.24	52.01	47.99	44.86	42.41	40.51	39.05	-	-	-	-
114	62.33	54.22	49.59	48.26	43.75	40.26	37.52	35.35	33.63	-	-	-	-	-
120	53.23	46.23	42.24	41.08	37.17	34.12	31.72	29.80	-	-	-	-	-	-
126	45.82	39.75	36.28	35.27	31.86	29.19	27.08	25.38	-	-	-	-	-	-
132	39.74	34.43	31.39	30.52	27.52	25.18	23.31	-	-	-	-	-	-	-
138	34.69	30.03	27.36	26.58	23.94	21.87	20.22	-	-	-	-	-	-	-
144	30.46	26.35	23.99	23.30	20.97	19.13	-	-	-	-	-	-	-	-

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TITLE: PAVA SERIES PVC MULLION
(NON-HVHZ) (NON-IMPACT)

MULLION DESIGN PRESSURE TABLE

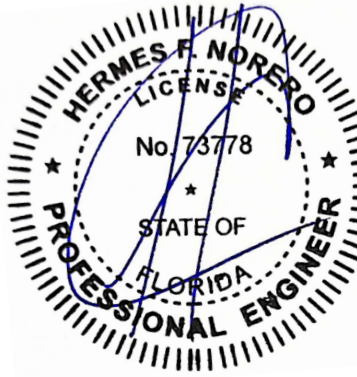
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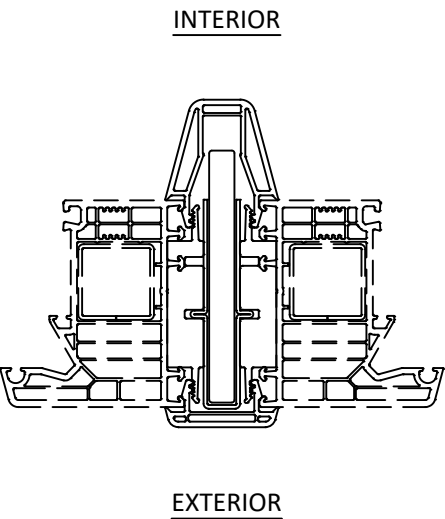
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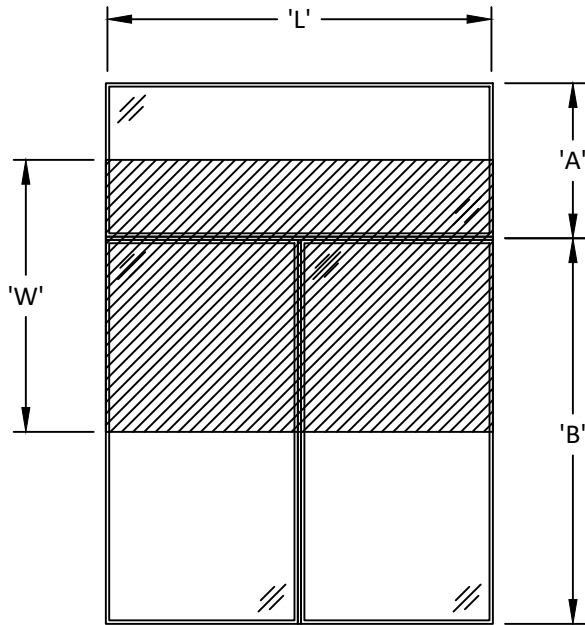


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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

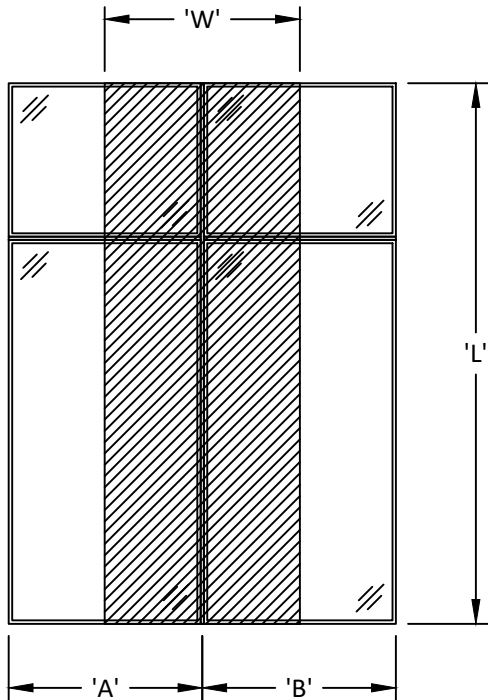
FL #:	FL48064
DATE:	01.13.2026
DWG. BY:	CHK. BY:
HJ	HFN
SCALE:	NTS
DWG. #:	OKN010
SHEET:	REV. A
5	



MULLION DETAIL
COUPLING MULLION
100 MM STEEL PLATE



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - 100 MM COUPLING MULLION - TWO-WAY														
'L' - SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)													
	36	42	46.5	48	54	60	66	72	78	84	90	96	102	105
48	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.11	74.46	72.33
54	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	75.01	70.32	66.19	64.30
60	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	77.90	72.33	67.51	63.29	59.57	57.87
66	80.00	80.00	80.00	80.00	80.00	80.00	80.00	76.72	70.82	65.76	61.37	57.54	54.15	52.61
72	80.00	80.00	80.00	80.00	80.00	80.00	76.72	70.32	64.91	60.28	56.26	52.74	49.64	48.22
78	80.00	80.00	80.00	80.00	80.00	77.90	70.82	64.91	59.92	55.64	51.93	48.69	45.82	44.51
84	80.00	80.00	80.00	80.00	80.00	72.33	65.76	60.28	55.64	51.67	48.22	45.21	42.55	41.33
90	80.00	80.00	80.00	80.00	75.01	67.51	61.37	56.26	51.93	48.22	45.01	42.19	39.71	38.57
96	80.00	80.00	80.00	79.11	70.32	63.29	57.54	52.74	48.69	45.21	42.19	39.55	37.22	36.16
98	80.00	80.00	80.00	77.50	68.89	62.00	56.36	51.67	47.69	44.29	41.33	38.74	36.46	35.42
102	80.00	78.55	70.95	68.74	66.18	59.56	54.14	49.63	45.81	42.54	39.71	37.22	35.03	34.03
108	77.21	67.50	67.50	67.50	62.50	56.25	51.14	46.88	43.27	40.18	37.50	35.16	-	-
114	67.50	67.50	67.50	66.61	59.21	53.29	48.44	44.41	40.99	38.06	35.53	-	-	-
120	67.50	67.50	65.32	63.28	56.25	50.63	46.02	42.19	38.94	36.16	33.75	-	-	-
126	67.50	67.50	62.21	60.27	53.57	48.21	43.83	40.18	37.09	34.44	-	-	-	-
132	67.50	65.38	59.06	57.21	50.85	45.77	41.61	38.14	35.21	-	-	-	-	-
138	66.76	57.22	51.68	50.07	44.51	40.06	36.41	33.38	30.81	-	-	-	-	-
144	58.76	50.36	45.49	44.07	39.17	35.25	32.05	29.38	-	-	-	-	-	-
150	51.98	44.56	40.25	38.99	34.66	31.19	28.35	25.99	-	-	-	-	-	-
156	46.21	39.61	35.78	34.66	30.81	27.73	25.21	-	-	-	-	-	-	-
162	41.27	35.37	31.95	30.95	27.51	24.76	22.51	-	-	-	-	-	-	-
168	37.00	31.72	28.65	27.75	24.67	22.20	-	-	-	-	-	-	-	-

TRIBUTARY WIDTH $W = \frac{A+B}{2}$

- NOTE:
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TITLE: PAVA SERIES PVC MULLION
(NON-HVHZ) (NON-IMPACT)

MULLION DESIGN PRESSURE TABLE

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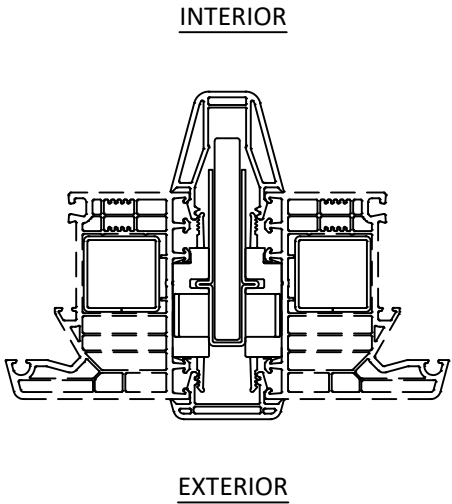
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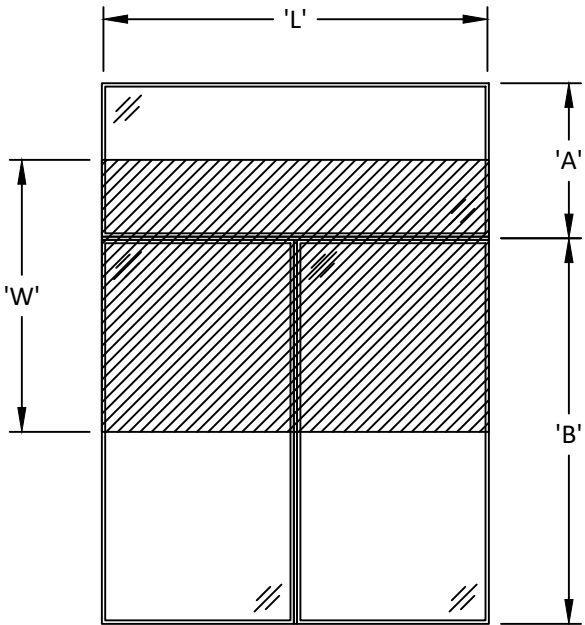
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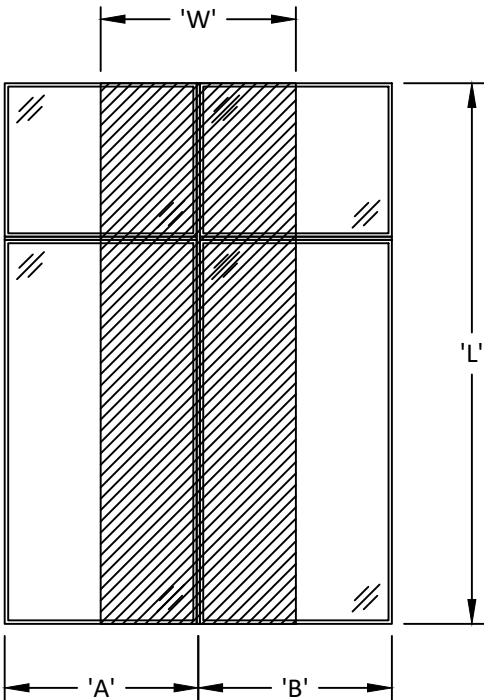
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MULLION DETAIL
COUPLING MULLION
80 MM STEEL PLATE



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - 80 MM COUPLING MULLION - TWO-WAY														
'L' - SPAN LENGTH (IN.)	TRIBUTARY WIDTH (IN.)													
	36	42	46.5	48	54	60	66	72	78	84	90	96	102	105
48	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.11	74.46	72.33
54	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	75.01	70.32	66.19	64.30
60	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	77.90	72.33	67.51	63.29	59.57	57.87
66	80.00	80.00	80.00	80.00	80.00	80.00	80.00	76.72	70.82	65.76	61.37	57.54	54.15	52.61
72	80.00	80.00	80.00	80.00	80.00	80.00	76.72	70.32	64.91	60.28	56.26	52.74	49.64	48.22
78	80.00	80.00	80.00	80.00	80.00	77.90	70.82	64.91	59.92	55.64	51.93	48.69	45.82	44.51
84	80.00	80.00	80.00	80.00	80.00	72.33	65.76	60.28	55.64	51.67	48.22	45.21	42.55	41.33
90	80.00	80.00	80.00	80.00	75.01	67.51	61.37	56.26	51.93	48.22	45.01	42.19	-	-
96	80.00	80.00	80.00	79.11	70.32	63.29	57.54	52.74	48.69	45.21	42.19	-	-	-
98	80.00	80.00	80.00	77.50	68.89	62.00	56.36	51.67	47.69	44.29	41.33	-	-	-
102	80.00	78.55	70.95	68.74	61.10	54.99	49.99	45.82	42.30	39.28	-	-	-	-
108	77.21	66.18	59.77	57.90	51.47	46.32	42.11	38.60	35.63	33.09	-	-	-	-
114	65.65	56.27	50.82	49.23	43.76	39.39	35.81	32.82	30.30	-	-	-	-	-
120	56.28	48.24	43.57	42.21	37.52	33.77	30.70	28.14	-	-	-	-	-	-
126	48.62	41.67	37.64	36.46	32.41	29.17	26.52	24.31	-	-	-	-	-	-
132	42.29	36.25	32.74	31.71	28.19	25.37	23.07	-	-	-	-	-	-	-
138	37.01	31.72	28.65	27.76	24.67	22.20	20.19	-	-	-	-	-	-	-
144	32.57	27.92	25.22	24.43	21.71	19.54	-	-	-	-	-	-	-	-

TRIBUTARY WIDTH $W = \frac{A+B}{2}$

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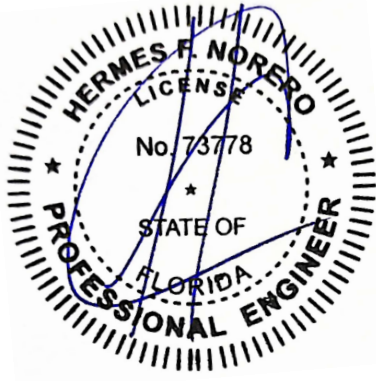
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