

EUROLINE STEEL WINDOWS & DOORS

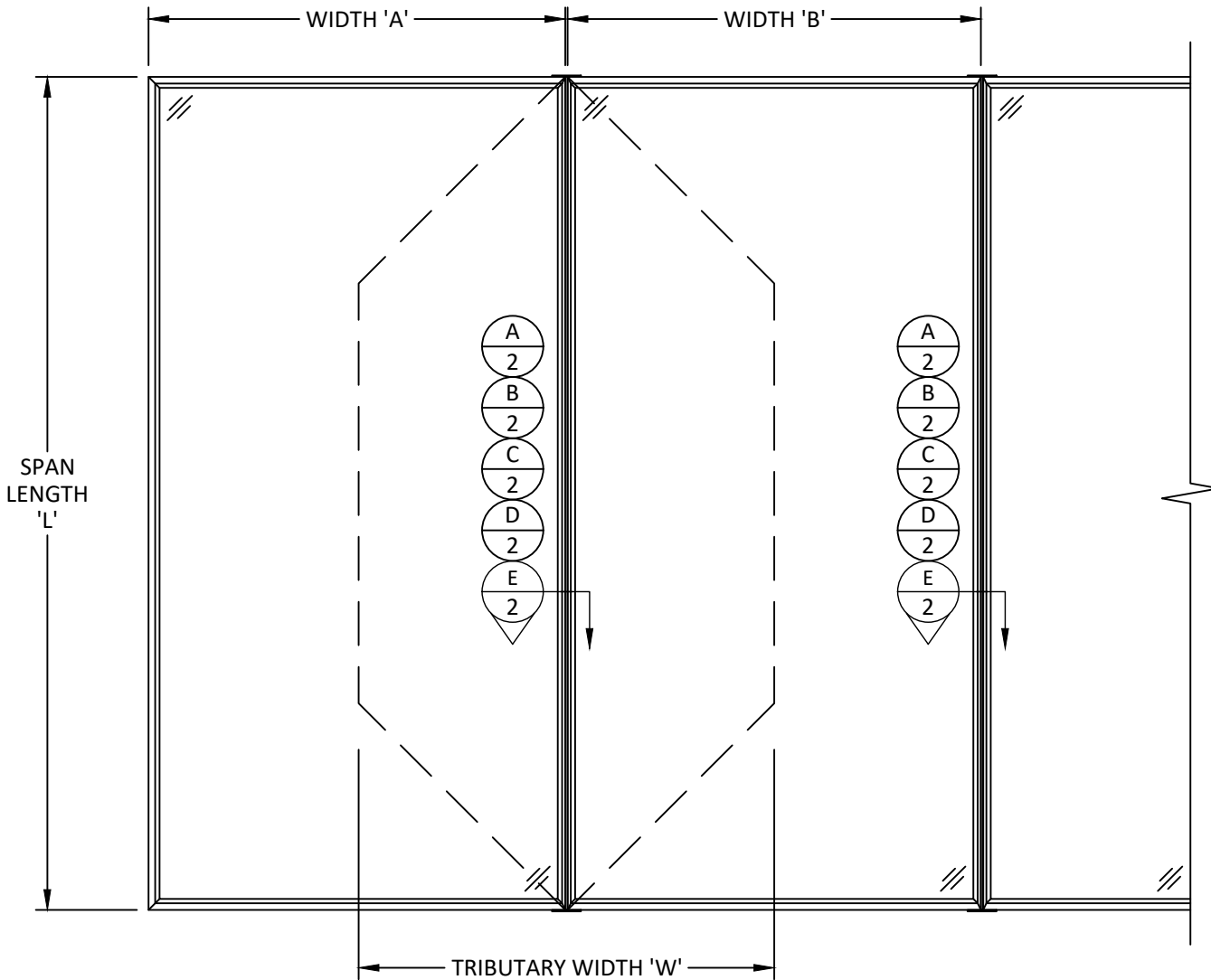
SERIES 900 STEEL MULLION - BAR & WELD INSTALLATION

(WZ3) (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:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E283/E283M-19
 - ASTM E330/E330M-14(21)
 - ASTM E331-00(16)
 - ASTM E1886-19
 - ASTM E1996-20
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 NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE OF WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE OF WIND ZONE 4.
7. MULLION & CLIP MATERIAL: STEEL (MIN. Fy = 33 ksi).
8. 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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2	MULLION CROSS SECTIONS
3	MULLION CLIP DETAILS
4	INSTALLATION DETAILS AND NOTES
5 - 22	MULLION DESIGN PRESSURE TABLES



TYPICAL ELEVATION

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



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE:
SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

GENERAL NOTES & TYPICAL ELEVATION

PREPARED BY:
BUILDING DROPS, INC.
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.12.09 13:40:36 -05'00'

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 #: **FL47873**

DATE: **11.04.2025**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ELS013**

SHEET: **1**

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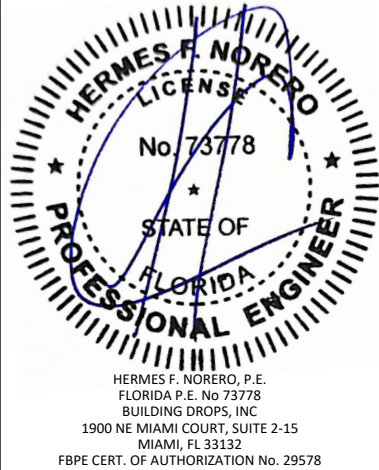
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BAR & WELD INSTALLATION
(WZ3) (IMPACT)
MULLION CROSS SECTIONS

PREPARED BY:

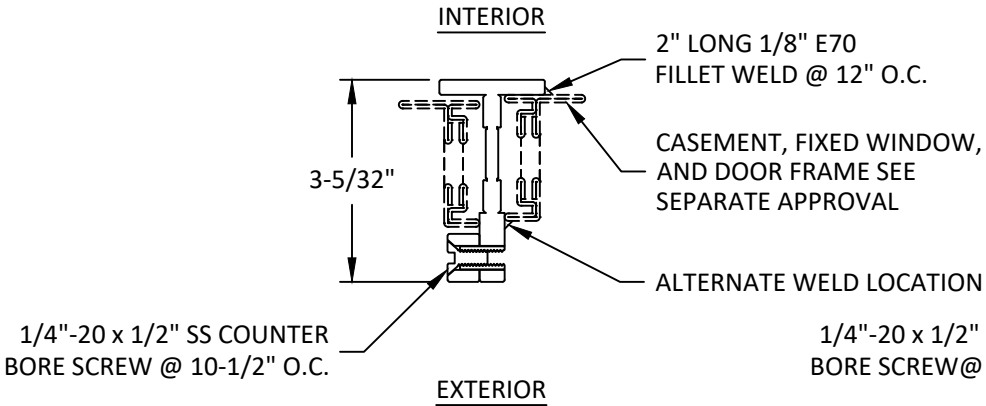
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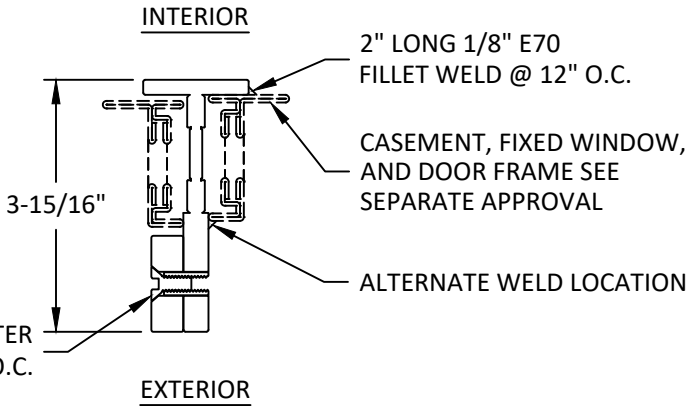
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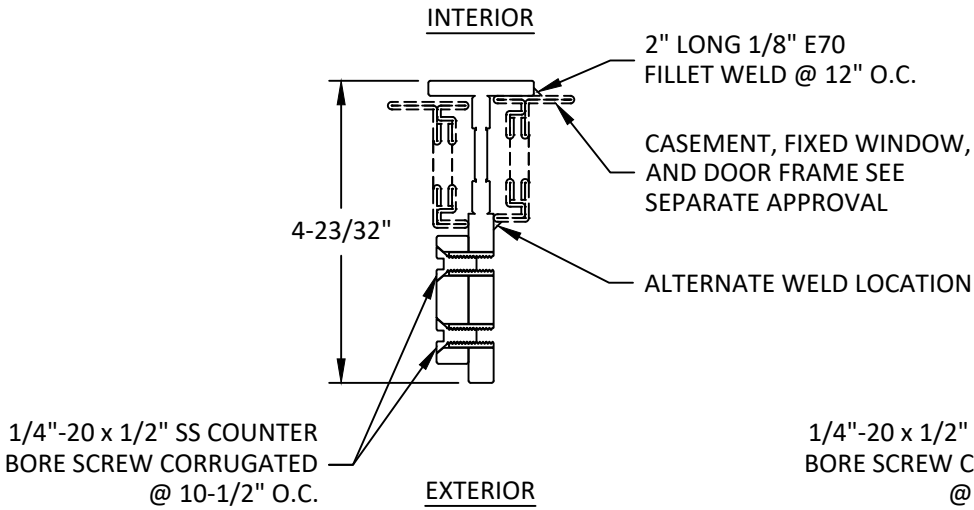
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SHEET:	2	



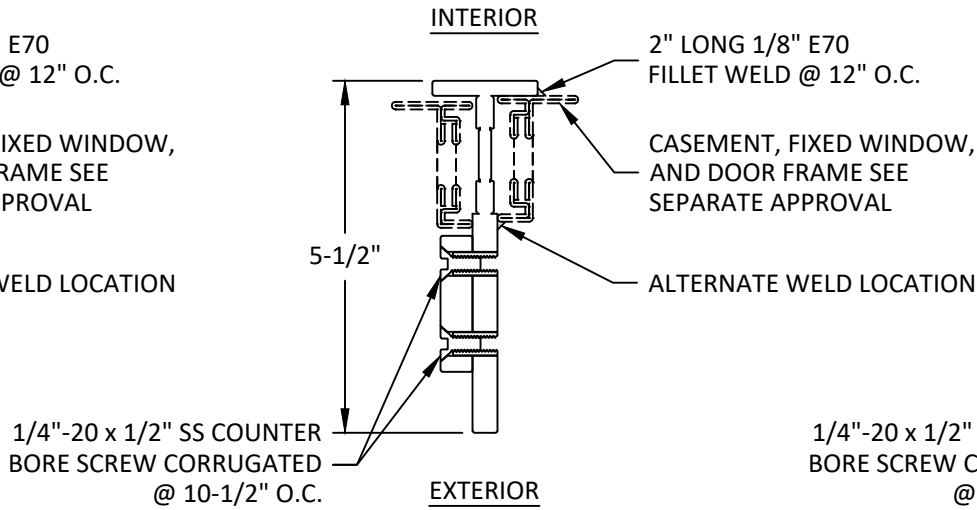
A
2 CROSS SECTION
FT 801042TF-14



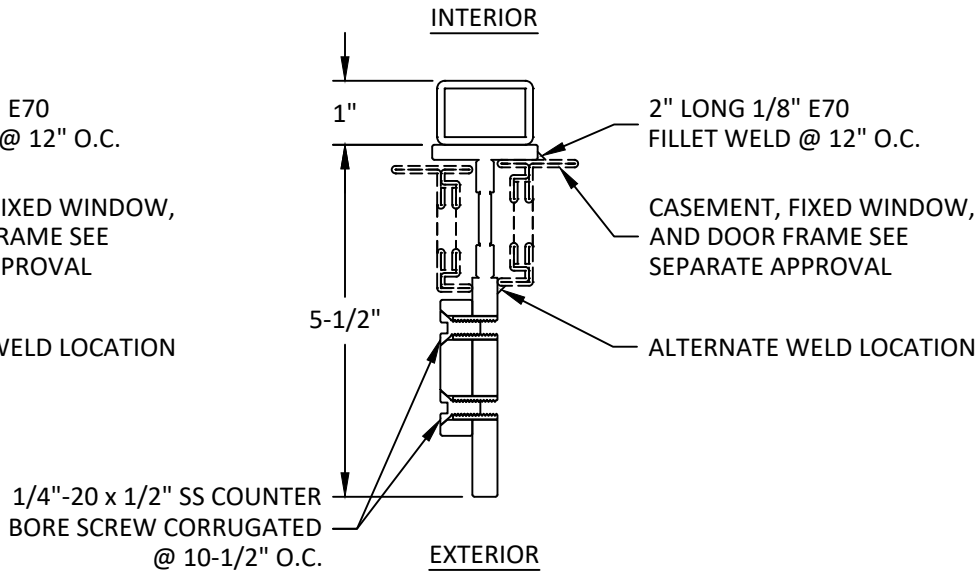
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2 CROSS SECTION
FT 1001042TF-14



C
2 CROSS SECTION
FT 1201042TF-14

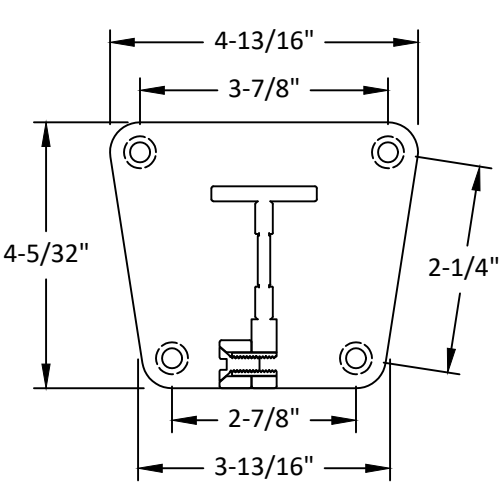


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2 CROSS SECTION
FT 1401042TF-14

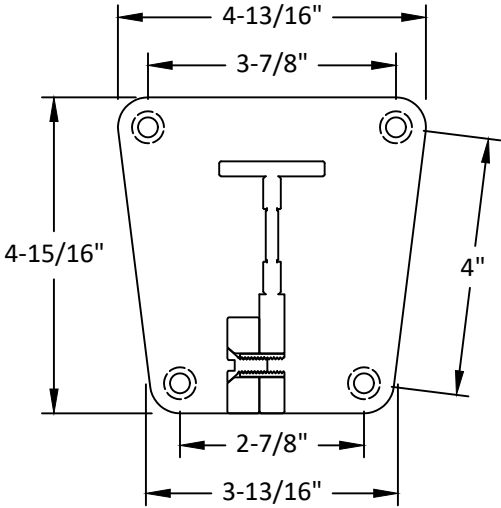


E
2 CROSS SECTION
FT 1401042TF-14
W/ 1" x 1.5" x 1/8" TUBE

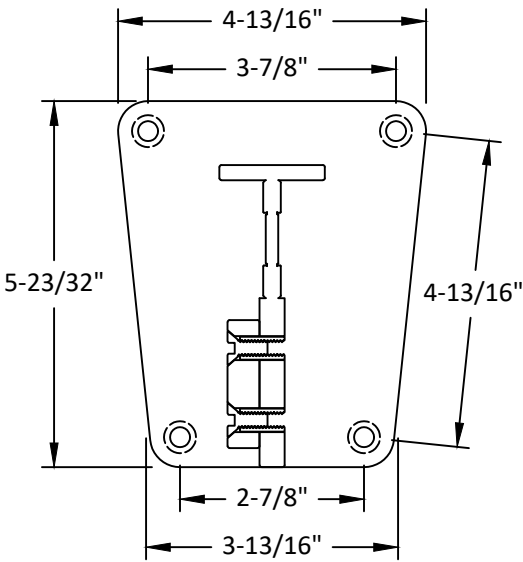
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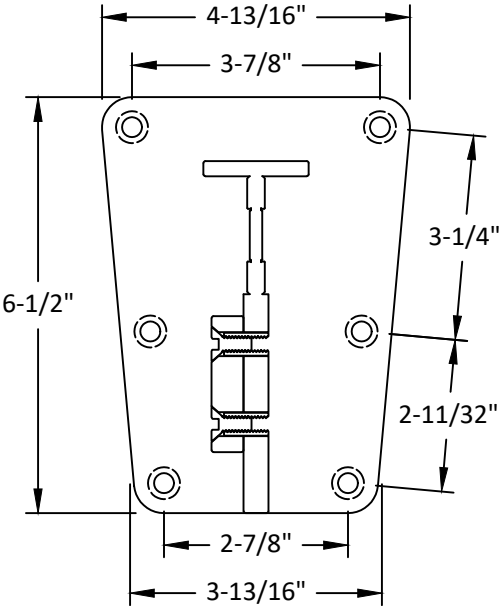
MULLION PLATE DETAIL
1/4" THICK, FT 801042TF-14



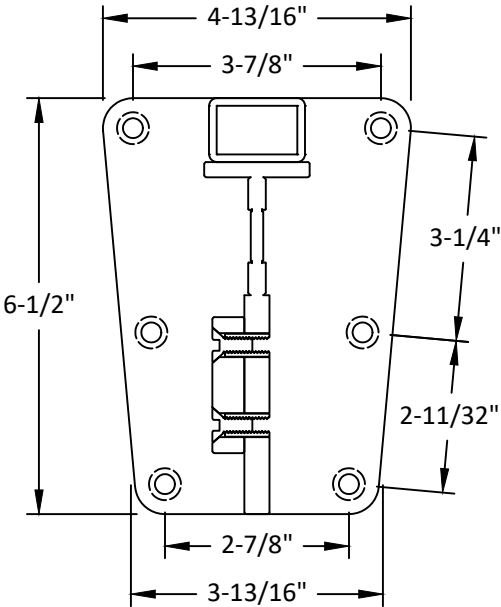
MULLION PLATE DETAIL
1/4" THICK, FT 1001042TF-14



MULLION PLATE DETAIL
1/4" THICK, FT 1201042TF-14



MULLION PLATE DETAIL
1/4" THICK, FT 1401042TF-14



MULLION PLATE DETAIL
1/4" THICK, FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE



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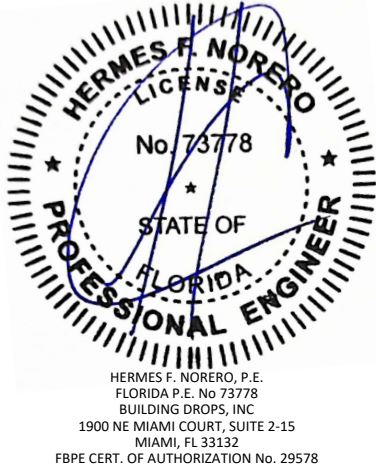
TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)
MULLION CLIP DETAILS

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REMARKS	BY	DATE

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FL #: **FL47873**

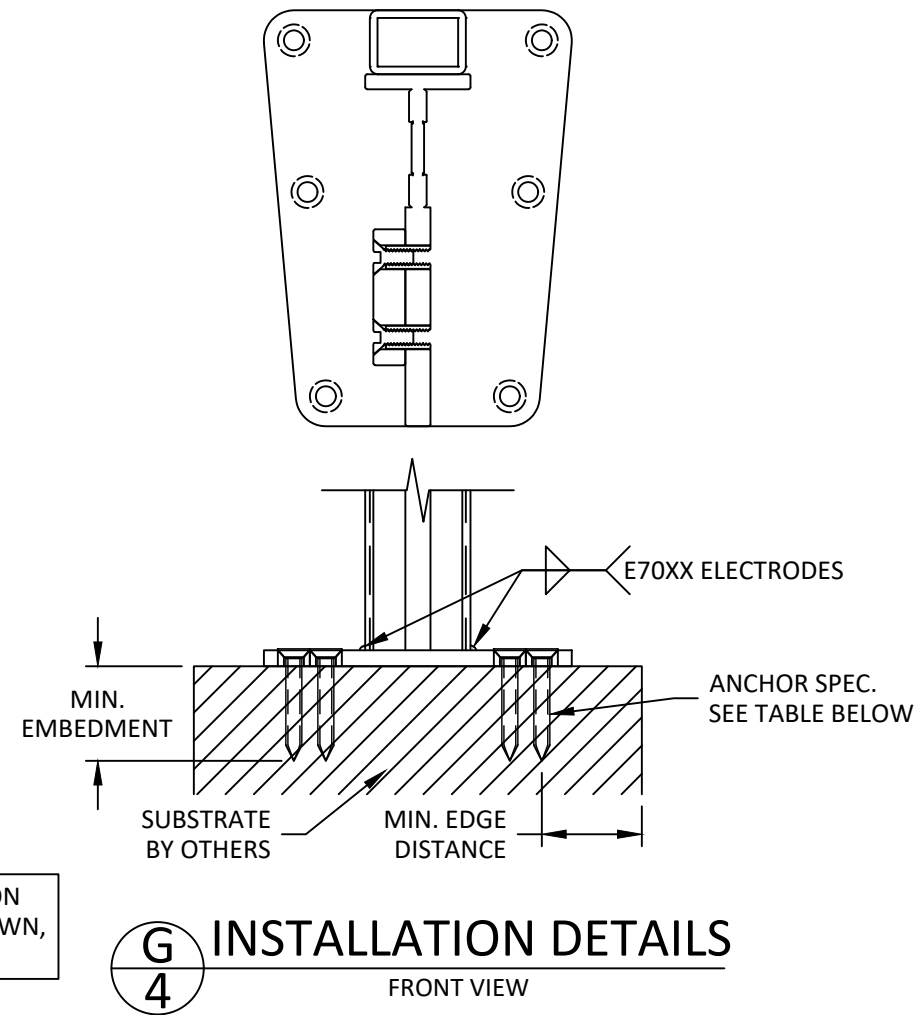
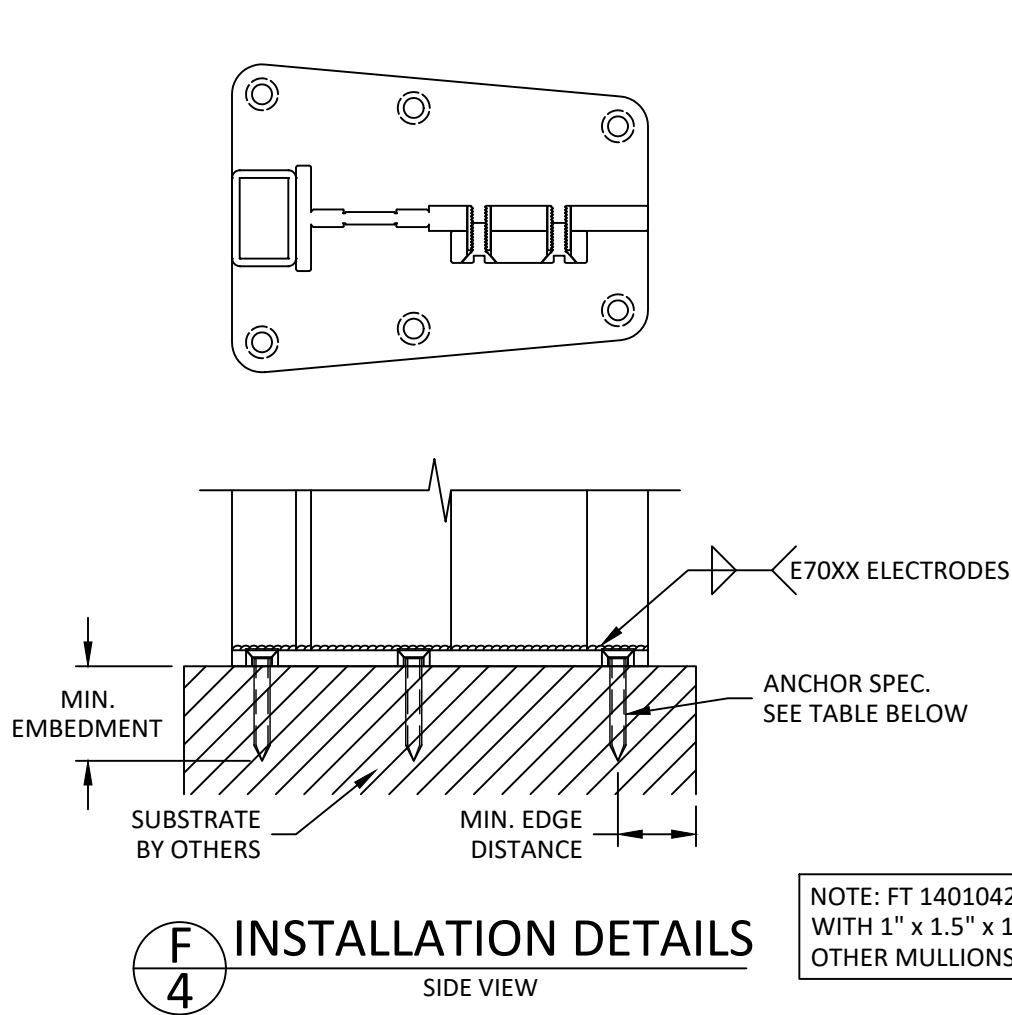
DATE: **11.04.2025**

DWG. BY: MS	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **ELS013**

SHEET: **3**



INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 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 $\pm 1/4$ 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.
- 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				
LOCATION	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	#14 WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
B	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
C	1/4" DEWALT ULTRACON+	CONCRETE: MIN. f'c = 3000 psi	1-3/4"	2-1/2"
D	1/4" DEWALT ULTRACON+	MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI	1-3/4"	2-1/2"

TITLE:
SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

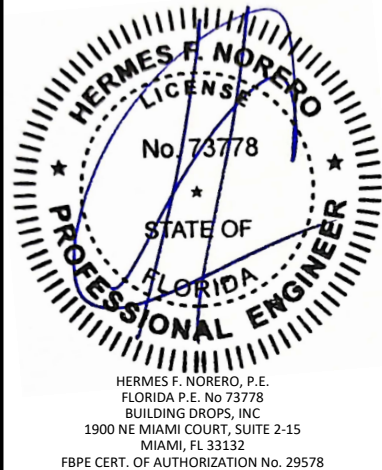
INSTALLATION DETAILS & NOTES

PREPARED BY:

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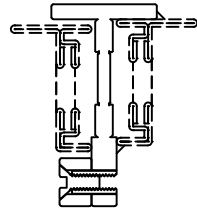
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DWG. #: **ELS013**

SHEET:
4

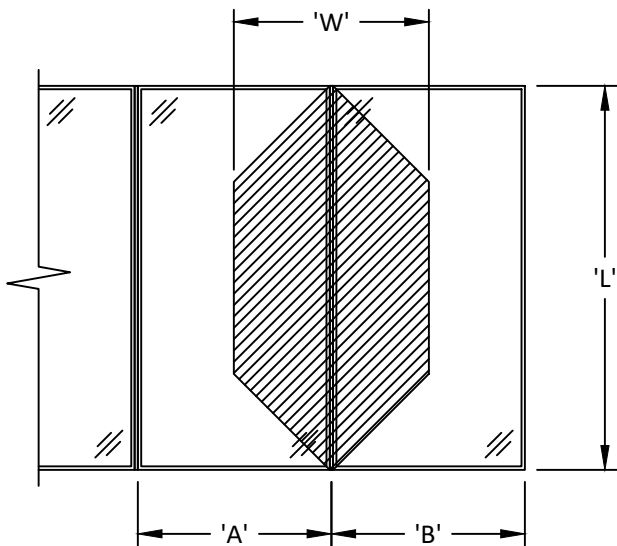
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INTERIOR

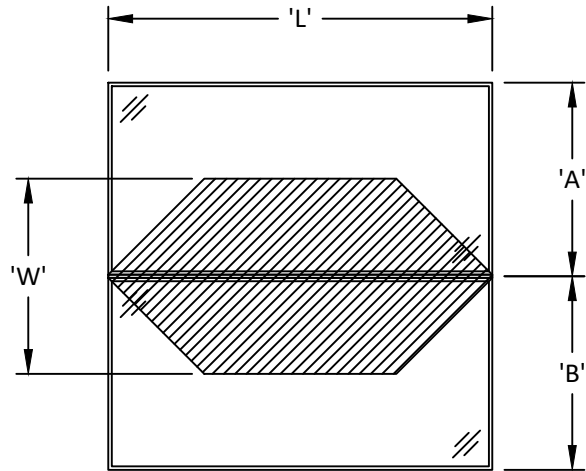


EXTERIOR

MULLION DETAIL
FT 801042TF-14



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - FT 801042TF-14, ONE-WAY MULLION

'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	63.97	62.75	62.34	62.34	62.34	62.34	62.34	62.34	62.34	62.34
96	65.00	65.00	63.00	59.13	56.20	54.04	52.55	51.67	51.37	51.37	51.37	51.37	51.37	51.37	51.37
102	65.00	59.49	54.87	51.28	48.50	46.38	44.80	43.70	43.05	42.83	42.83	42.83	42.83	42.83	42.83
108	57.93	52.48	48.26	44.95	42.35	40.31	38.74	37.56	36.73	36.24	36.08	36.08	36.08	36.08	36.08
114	51.62	46.66	42.81	39.77	37.35	35.42	33.89	32.70	31.80	31.18	30.80	30.68	30.68	30.68	30.68
120	46.30	41.79	38.26	35.46	33.21	31.40	29.94	28.77	27.86	27.17	26.69	26.40	26.30	26.30	26.30
126	41.78	37.65	34.41	31.83	29.74	28.05	26.67	25.55	24.65	23.94	23.40	23.02	22.80	22.72	22.72
132	36.51	32.93	30.13	27.89	26.08	24.62	23.42	22.44	21.64	21.00	20.50	20.13	19.87	19.71	19.66
138	31.81	28.65	26.17	24.19	22.58	21.27	20.19	19.30	18.56	17.96	17.48	17.10	16.82	16.62	16.50
144	27.88	25.09	22.89	21.13	19.69	18.51	17.54	16.73	16.06	15.50	15.04	14.67	14.38	14.16	14.01
150	24.58	22.09	20.14	18.56	17.28	16.22	15.34	14.61	13.99	13.48	13.05	12.69	12.41	12.18	12.01
156	21.78	19.56	17.81	16.40	15.25	14.30	13.50	12.83	12.27	11.80	11.40	11.07	10.79	10.56	10.39
162	19.40	17.41	15.83	14.57	13.53	12.67	11.95	11.34	10.83	10.39	10.02	9.71	9.45	9.23	9.05
168	17.35	15.56	14.14	13.00	12.06	11.28	10.63	10.08	9.61	9.21	8.87	8.57	8.33	8.12	7.95
174	15.58	13.96	12.68	11.65	10.80	10.09	9.50	9.00	8.57	8.20	7.88	7.61	7.38	7.18	7.02
180	14.05	12.58	11.42	10.48	9.71	9.07	8.53	8.07	7.67	7.33	7.04	6.79	6.58	6.39	6.23
186	12.71	11.38	10.32	9.47	8.76	8.18	7.68	7.26	6.90	6.59	6.32	6.09	5.89	5.71	5.56
192	11.53	10.32	9.36	8.58	7.94	7.40	6.95	6.56	6.23	5.94	5.70	5.48	5.29	5.13	4.99
198	10.50	9.39	8.51	7.80	7.21	6.72	6.31	5.95	5.65	5.38	5.15	4.95	4.78	4.63	4.49
204	9.59	8.57	7.77	7.11	6.57	6.12	5.74	5.41	5.13	4.89	4.68	4.49	4.33	4.19	4.06
210	8.78	7.85	7.11	6.51	6.01	5.59	5.24	4.94	4.68	4.46	4.26	4.09	3.94	3.80	3.68
216	8.06	7.20	6.52	5.97	5.51	5.12	4.80	4.52	4.28	4.07	3.89	3.73	3.59	3.46	3.35

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, C, & D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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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(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

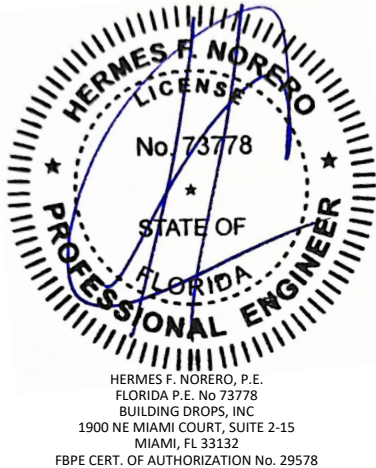
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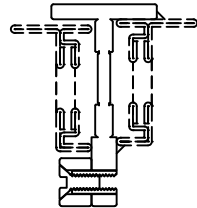
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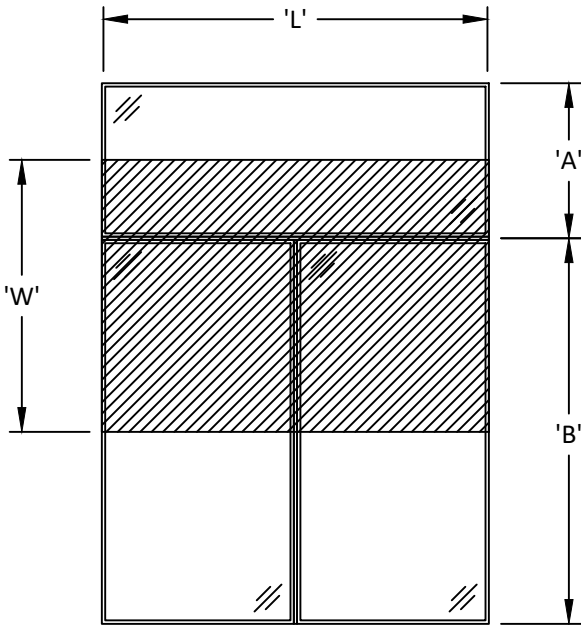
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INTERIOR

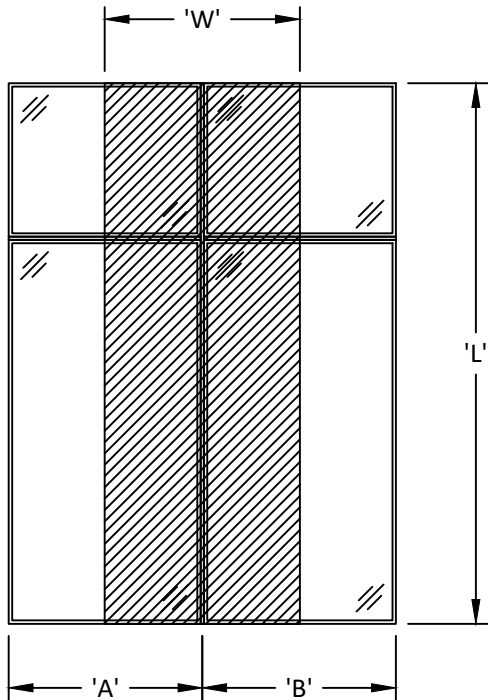


EXTERIOR

MULLION DETAIL
FT 801042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE (+/- PSF) - FT 801042TF-14, TWO-WAY MULLION

'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.26	59.43
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.83	56.03	53.48
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.92	59.43	56.30	53.48	50.94	48.62
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.94	60.88	57.30	54.12	51.27	48.71	46.39	44.28
78	65.00	65.00	65.00	65.00	65.00	63.85	59.29	55.33	51.88	48.82	46.11	43.68	41.50	39.52	37.73
84	65.00	65.00	65.00	65.00	59.64	55.05	51.12	47.71	44.73	42.10	39.76	37.67	35.78	34.08	32.53
90	65.00	65.00	62.34	56.68	51.95	47.96	44.53	41.56	38.96	36.67	34.64	32.81	31.17	29.69	28.34
96	65.00	60.88	54.79	49.81	45.66	42.15	39.14	36.53	34.25	32.23	30.44	28.84	27.40	26.09	24.91
102	60.67	53.93	48.54	44.12	40.45	37.34	34.67	32.36	30.34	28.55	26.97	25.55	24.27	23.11	22.06
108	54.12	48.10	43.29	39.36	36.08	33.30	30.92	28.86	27.06	25.47	24.05	22.79	21.65	20.62	19.68
114	48.57	43.17	38.86	35.32	32.38	29.89	27.75	25.90	24.29	22.86	21.59	20.45	19.43	18.50	17.66
120	43.84	38.96	35.07	31.88	29.22	26.98	25.05	23.38	21.92	20.63	19.48	18.46	17.53	16.70	15.94
126	39.76	35.34	31.81	28.92	26.51	24.47	22.72	21.21	19.88	18.71	17.67	16.74	15.90	15.15	14.46
132	34.61	30.76	27.69	25.17	23.07	21.30	19.78	18.46	17.30	16.29	15.38	14.57	13.84	13.18	12.58
138	30.29	26.92	24.23	22.03	20.19	18.64	17.31	16.15	15.14	14.25	13.46	12.75	12.12	11.54	11.01
144	26.66	23.70	21.33	19.39	17.77	16.40	15.23	14.22	13.33	12.54	11.85	11.22	10.66	10.16	9.69
150	23.58	20.96	18.87	17.15	15.72	14.51	13.48	12.58	11.79	11.10	10.48	9.93	9.43	8.98	8.58
156	20.97	18.64	16.77	15.25	13.98	12.90	11.98	11.18	10.48	9.87	9.32	8.83	8.39	7.99	7.62
162	18.72	16.64	14.98	13.62	12.48	11.52	10.70	9.99	9.36	8.81	8.32	7.88	7.49	7.13	6.81
168	16.79	14.92	13.43	12.21	11.19	10.33	9.59	8.95	8.39	7.90	7.46	7.07	6.71	6.40	6.10
174	15.11	13.43	12.09	10.99	10.07	9.30	8.63	8.06	7.55	7.11	6.72	6.36	6.04	5.76	5.49
180	13.65	12.13	10.92	9.93	9.10	8.40	7.80	7.28	6.82	6.42	6.07	5.75	5.46	5.20	4.96
186	12.37	11.00	9.90	9.00	8.25	7.61	7.07	6.60	6.18	5.82	5.50	5.21	4.95	4.71	4.50
192	11.25	10.00	9.00	8.18	7.50	6.92	6.43	6.00	5.62	5.29	5.00	4.74	4.50	4.28	4.09
198	10.25	9.12	8.20	7.46	6.84	6.31	5.86	5.47	5.13	4.83	4.56	4.32	4.10	3.91	3.73
204	9.38	8.33	7.50	6.82	6.25	5.77	5.36	5.00	4.69	4.41	4.17	3.95	3.75	3.57	3.41
210	8.60	7.64	6.88	6.25	5.73	5.29	4.91	4.58	4.30	4.04	3.82	3.62	3.44	3.27	3.13
216	7.90	7.02	6.32	5.74	5.27	4.86	4.51	4.21	3.95	3.72	3.51	3.33	3.16	3.01	2.87

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

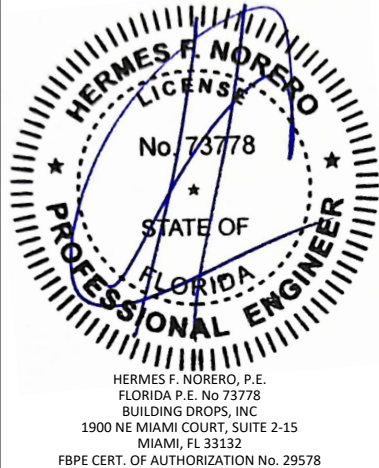
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

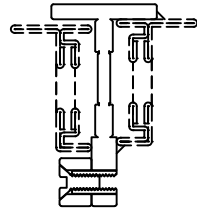
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	6

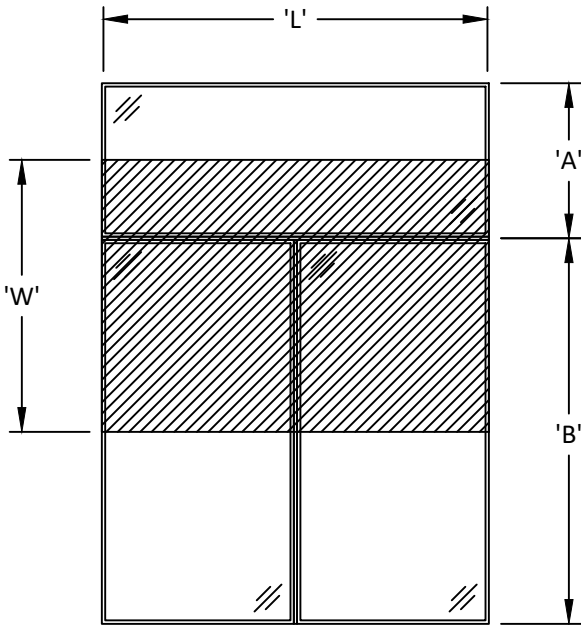
c:\users\mengasun\building drops - common\projects\euroline steel windows & doors\fbc-25-1047 - stand alone steel mullion updates\dwgs\el013.dwg 11/12/2025 3:17 PM

INTERIOR

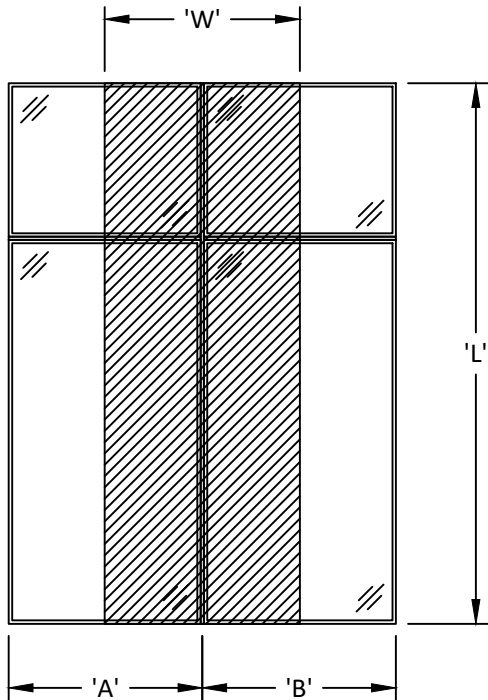


EXTERIOR

MULLION DETAIL
FT 801042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 801042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.00	56.47	53.33	50.53	48.00	45.71	43.64
54	65.00	65.00	65.00	65.00	65.00	65.00	60.95	56.89	53.33	50.20	47.41	44.91	42.67	40.63	38.79
60	65.00	65.00	65.00	65.00	64.00	59.08	54.86	51.20	48.00	45.18	42.67	40.42	38.40	36.57	34.91
66	65.00	65.00	65.00	63.47	58.18	53.71	49.87	46.55	43.64	41.07	38.79	36.75	34.91	33.25	31.74
72	65.00	65.00	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00	30.48	29.09
78	65.00	65.00	59.08	53.71	49.23	45.44	42.20	39.38	36.92	34.75	32.82	31.09	29.54	28.13	26.85
84	65.00	60.95	54.86	49.87	45.71	42.20	39.18	36.57	34.29	32.27	30.48	28.87	27.43	26.12	24.94
90	64.00	56.89	51.20	46.55	42.67	39.38	36.57	34.13	32.00	30.12	28.44	26.95	25.60	24.38	23.27
96	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00	22.86	21.82
102	56.47	50.20	45.18	41.07	37.65	34.75	32.27	30.12	28.24	26.57	25.10	23.78	22.59	21.51	20.53
108	53.33	47.41	42.67	38.79	35.56	32.82	30.48	28.44	26.67	25.10	23.70	22.46	21.33	20.32	19.39
114	48.57	43.17	38.86	35.32	32.38	29.89	27.75	25.90	24.29	22.86	21.59	20.45	19.43	18.50	17.66
120	43.84	38.96	35.07	31.88	29.22	26.98	25.05	23.38	21.92	20.63	19.48	18.46	17.53	16.70	15.94
126	39.76	35.34	31.81	28.92	26.51	24.47	22.72	21.21	19.88	18.71	17.67	16.74	15.90	15.15	14.46
132	34.61	30.76	27.69	25.17	23.07	21.30	19.78	18.46	17.30	16.29	15.38	14.57	13.84	13.18	12.58
138	30.29	26.92	24.23	22.03	20.19	18.64	17.31	16.15	15.14	14.25	13.46	12.75	12.12	11.54	11.01
144	26.66	23.70	21.33	19.39	17.77	16.40	15.23	14.22	13.33	12.54	11.85	11.22	10.66	10.16	9.69
150	23.58	20.96	18.87	17.15	15.72	14.51	13.48	12.58	11.79	11.10	10.48	9.93	9.43	8.98	8.58
156	20.97	18.64	16.77	15.25	13.98	12.90	11.98	11.18	10.48	9.87	9.32	8.83	8.39	7.99	7.62
162	18.72	16.64	14.98	13.62	12.48	11.52	10.70	9.99	9.36	8.81	8.32	7.88	7.49	7.13	6.81
168	16.79	14.92	13.43	12.21	11.19	10.33	9.59	8.95	8.39	7.90	7.46	7.07	6.71	6.40	6.10
174	15.11	13.43	12.09	10.99	10.07	9.30	8.63	8.06	7.55	7.11	6.72	6.36	6.04	5.76	5.49
180	13.65	12.13	10.92	9.93	9.10	8.40	7.80	7.28	6.82	6.42	6.07	5.75	5.46	5.20	4.96
186	12.37	11.00	9.90	9.00	8.25	7.61	7.07	6.60	6.18	5.82	5.50	5.21	4.95	4.71	4.50
192	11.25	10.00	9.00	8.18	7.50	6.92	6.43	6.00	5.62	5.29	5.00	4.74	4.50	4.28	4.09
198	10.25	9.12	8.20	7.46	6.84	6.31	5.86	5.47	5.13	4.83	4.56	4.32	4.10	3.91	3.73
204	9.38	8.33	7.50	6.82	6.25	5.77	5.36	5.00	4.69	4.41	4.17	3.95	3.75	3.57	3.41
210	8.60	7.64	6.88	6.25	5.73	5.29	4.91	4.58	4.30	4.04	3.82	3.62	3.44	3.27	3.13
216	7.90	7.02	6.32	5.74	5.27	4.86	4.51	4.21	3.95	3.72	3.51	3.33	3.16	3.01	2.87

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

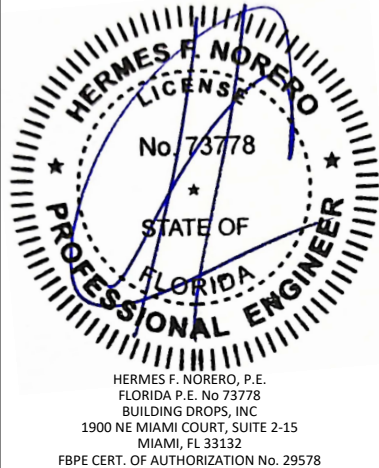
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

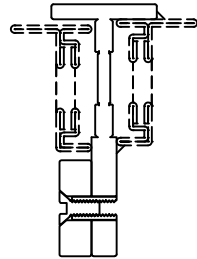
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	7

c:\users\mengasun\building drops - common\projects\euroline steel windows & doors\lbc-25-1047 - stand alone steel mullion updates\dwgs\el013.dwg 11/12/2025 3:17 PM

INTERIOR

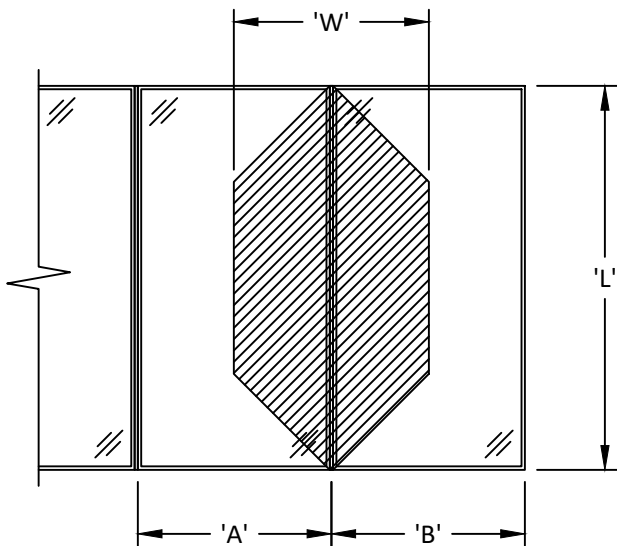


EXTERIOR

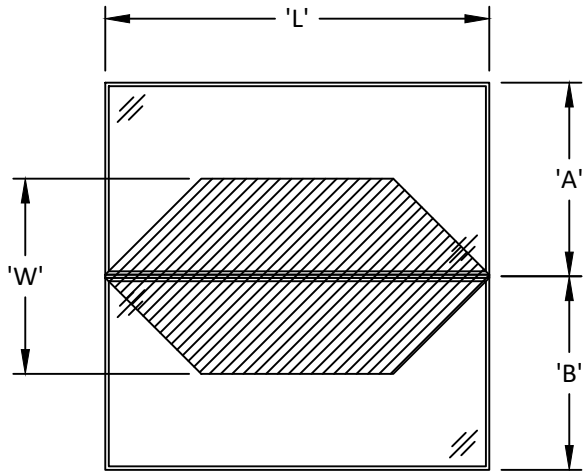
MULLION DETAIL
FT 1001042TF-14

DESIGN PRESSURE TABLE (+/- PSF) - FT 1001042TF-14, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
102	65.00	65.00	65.00	65.00	65.00	63.86	61.68	60.17	59.27	58.97	58.97	58.97	58.97	58.97	58.97
108	65.00	65.00	65.00	61.90	58.32	55.51	53.33	51.71	50.58	49.90	49.68	49.68	49.68	49.68	49.68
114	65.00	64.25	58.94	54.76	51.42	48.77	46.66	45.02	43.79	42.93	42.41	42.24	42.24	42.24	42.24
120	63.76	57.53	52.68	48.82	45.73	43.23	41.22	39.62	38.36	37.41	36.75	36.35	36.21	36.21	36.21
126	57.53	51.84	47.38	43.82	40.95	38.62	36.72	35.18	33.94	32.96	32.22	31.70	31.39	31.28	31.28
132	52.18	46.96	42.86	39.58	36.92	34.74	32.95	31.48	30.28	29.31	28.54	27.95	27.54	27.29	27.21
138	47.56	42.75	38.97	35.93	33.46	31.43	29.75	28.36	27.21	26.26	25.49	24.87	24.41	24.08	23.88
144	43.53	39.09	35.59	32.78	30.48	28.59	27.02	25.70	24.60	23.69	22.93	22.31	21.82	21.44	21.17
150	39.99	35.89	32.64	30.03	27.89	26.13	24.65	23.41	22.37	21.49	20.75	20.14	19.64	19.24	18.93
156	36.88	33.07	30.05	27.62	25.63	23.98	22.59	21.42	20.44	19.60	18.89	18.29	17.80	17.39	17.06
162	34.12	30.57	27.76	25.50	23.63	22.09	20.79	19.69	18.75	17.96	17.28	16.70	16.21	15.80	15.47
168	31.66	28.35	25.73	23.61	21.87	20.42	19.20	18.16	17.28	16.52	15.87	15.32	14.84	14.44	14.10
174	28.73	25.75	23.39	21.48	19.92	18.61	17.52	16.59	15.80	15.12	14.54	14.04	13.61	13.25	12.92
180	25.90	23.20	21.06	19.33	17.91	16.72	15.72	14.87	14.15	13.53	12.99	12.53	12.13	11.78	11.49
186	23.43	20.98	19.03	17.46	16.16	15.08	14.17	13.39	12.72	12.15	11.66	11.23	10.86	10.53	10.26
192	21.27	19.03	17.26	15.82	14.64	13.65	12.81	12.10	11.49	10.96	10.50	10.11	9.76	9.46	9.20
198	19.36	17.32	15.70	14.38	13.30	12.39	11.63	10.97	10.41	9.92	9.50	9.13	8.81	8.53	8.28
204	17.68	15.81	14.32	13.12	12.12	11.29	10.59	9.98	9.46	9.02	8.62	8.28	7.98	7.72	7.49
210	16.19	14.47	13.10	12.00	11.08	10.31	9.67	9.11	8.63	8.22	7.85	7.54	7.26	7.01	6.79
216	14.86	13.28	12.02	11.00	10.16	9.45	8.85	8.34	7.89	7.51	7.17	6.88	6.62	6.39	6.19

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

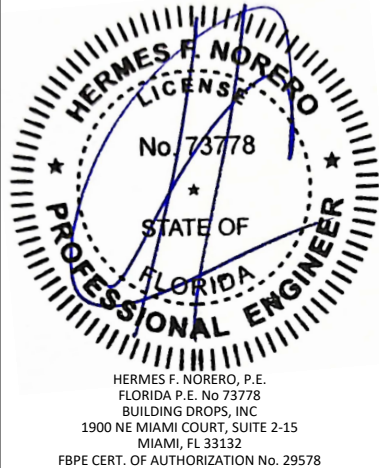
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



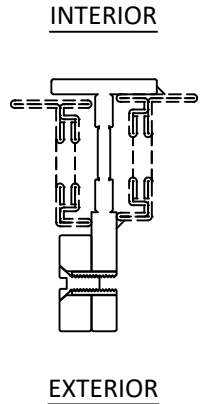
REMARKS	BY	DATE

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.

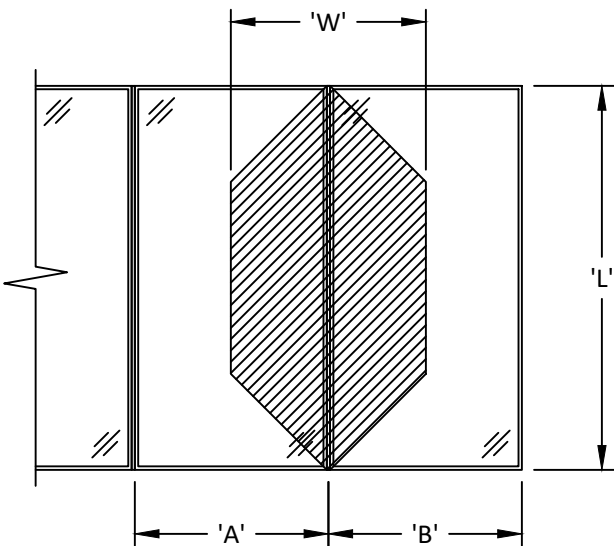


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	8

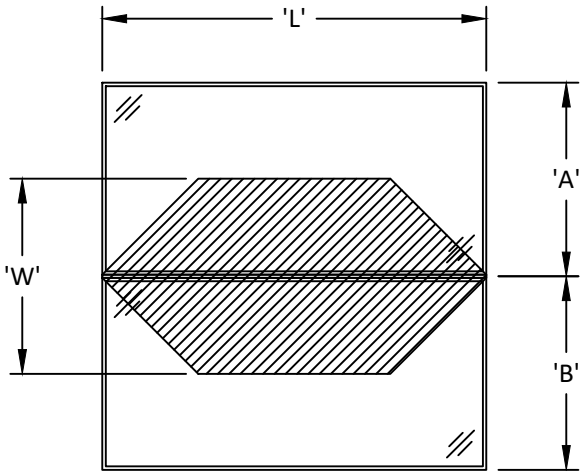
c:\users\mengasun\building drops - common\projects\euroline steel windows & doors\fbc-25-1047 - stand alone steel mullion updates\dwgs\el013.dwg 11/12/2025 3:17 PM



MULLION DETAIL
FT 1001042TF-14



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1001042TF-14, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	64.00	62.19	60.95	60.24	60.00	60.00	60.00	60.00	60.00	60.00	60.00
102	65.00	65.00	64.00	60.71	58.18	56.26	54.86	53.89	53.33	53.15	53.15	53.15	53.15	53.15	53.15
108	65.00	63.21	59.08	55.85	53.33	51.37	49.87	48.76	48.00	47.55	47.41	47.41	47.41	47.41	47.41
114	64.00	58.85	54.86	51.72	49.23	47.26	45.71	44.52	43.64	42.93	42.41	42.24	42.24	42.24	42.24
120	60.00	55.05	51.20	48.15	45.71	43.23	41.22	39.62	38.36	37.41	36.75	36.35	36.21	36.21	36.21
126	56.47	51.72	47.38	43.82	40.95	38.62	36.72	35.18	33.94	32.96	32.22	31.70	31.39	31.28	31.28
132	52.18	46.96	42.86	39.58	36.92	34.74	32.95	31.48	30.28	29.31	28.54	27.95	27.54	27.29	27.21
138	47.56	42.75	38.97	35.93	33.46	31.43	29.75	28.36	27.21	26.26	25.49	24.87	24.41	24.08	23.88
144	43.53	39.09	35.59	32.78	30.48	28.59	27.02	25.70	24.60	23.69	22.93	22.31	21.82	21.44	21.17
150	39.99	35.89	32.64	30.03	27.89	26.13	24.65	23.41	22.37	21.49	20.75	20.14	19.64	19.24	18.93
156	36.88	33.07	30.05	27.62	25.63	23.98	22.59	21.42	20.44	19.60	18.89	18.29	17.80	17.39	17.06
162	34.12	30.57	27.76	25.50	23.63	22.09	20.79	19.69	18.75	17.96	17.28	16.70	16.21	15.80	15.47
168	31.66	28.35	25.73	23.61	21.87	20.42	19.20	18.16	17.28	16.52	15.87	15.32	14.84	14.44	14.10
174	28.73	25.75	23.39	21.48	19.92	18.61	17.52	16.59	15.80	15.12	14.54	14.04	13.61	13.25	12.92
180	25.90	23.20	21.06	19.33	17.91	16.72	15.72	14.87	14.15	13.53	12.99	12.53	12.13	11.78	11.49
186	23.43	20.98	19.03	17.46	16.16	15.08	14.17	13.39	12.72	12.15	11.66	11.23	10.86	10.53	10.26
192	21.27	19.03	17.26	15.82	14.64	13.65	12.81	12.10	11.49	10.96	10.50	10.11	9.76	9.46	9.20
198	19.36	17.32	15.70	14.38	13.30	12.39	11.63	10.97	10.41	9.92	9.50	9.13	8.81	8.53	8.28
204	17.68	15.81	14.32	13.12	12.12	11.29	10.59	9.98	9.46	9.02	8.62	8.28	7.98	7.72	7.49
210	16.19	14.47	13.10	12.00	11.08	10.31	9.67	9.11	8.63	8.22	7.85	7.54	7.26	7.01	6.79
216	14.86	13.28	12.02	11.00	10.16	9.45	8.85	8.34	7.89	7.51	7.17	6.88	6.62	6.39	6.19

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

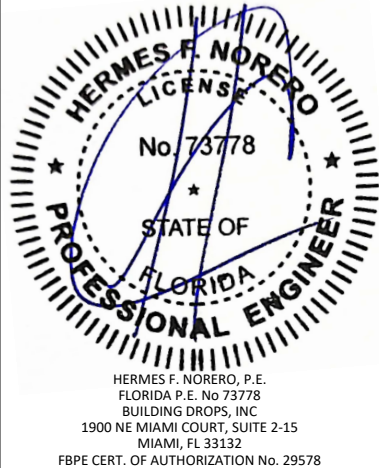
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



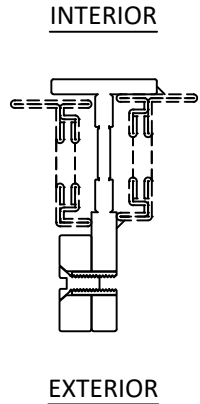
REMARKS	BY	DATE

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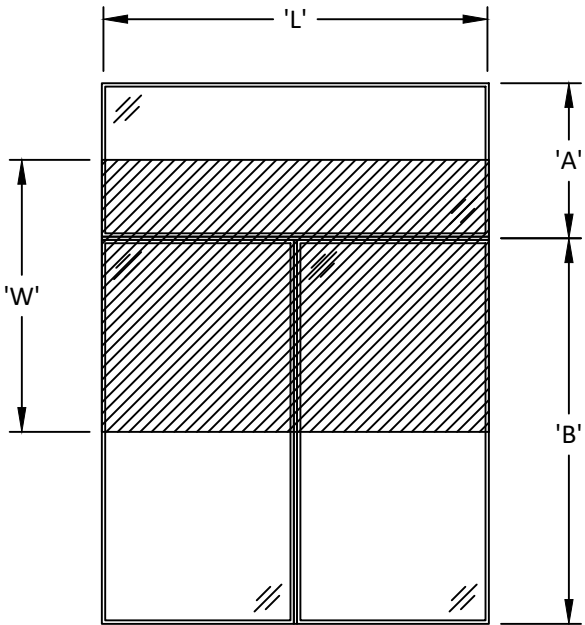


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	9

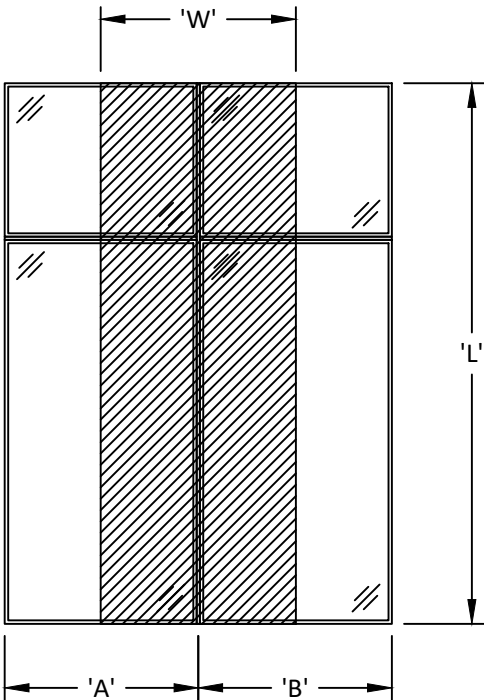
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MULLION DETAIL
FT 1001042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1001042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.26	59.43
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.83	56.03	53.48
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.92	59.43	56.30	53.48	50.94	48.62
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.28	57.68	54.47	51.61	49.03	46.69	44.57
78	65.00	65.00	65.00	65.00	65.00	65.00	64.65	60.34	56.57	53.24	50.28	47.64	45.26	43.10	41.14
84	65.00	65.00	65.00	65.00	65.00	64.65	60.03	56.03	52.53	49.44	46.69	44.23	42.02	40.02	38.20
90	65.00	65.00	65.00	65.00	65.00	60.34	56.03	52.30	49.03	46.14	43.58	41.29	39.22	37.35	35.66
96	65.00	65.00	65.00	65.00	61.28	56.57	52.53	49.03	45.96	43.26	40.86	38.71	36.77	35.02	33.43
102	65.00	65.00	65.00	60.76	55.69	51.41	47.74	44.55	41.77	39.31	37.13	35.17	33.42	31.82	30.38
108	65.00	65.00	59.61	54.19	49.68	45.86	42.58	39.74	37.26	35.07	33.12	31.37	29.81	28.39	27.10
114	65.00	59.45	53.50	48.64	44.59	41.16	38.22	35.67	33.44	31.47	29.72	28.16	26.75	25.48	24.32
120	60.36	53.65	48.29	43.90	40.24	37.14	34.49	32.19	30.18	28.40	26.83	25.41	24.14	22.99	21.95
126	54.75	48.66	43.80	39.82	36.50	33.69	31.28	29.20	27.37	25.76	24.33	23.05	21.90	20.86	19.91
132	49.88	44.34	39.91	36.28	33.25	30.70	28.50	26.60	24.94	23.47	22.17	21.00	19.95	19.00	18.14
138	45.64	40.57	36.51	33.19	30.43	28.09	26.08	24.34	22.82	21.48	20.28	19.22	18.26	17.39	16.60
144	41.91	37.26	33.53	30.48	27.94	25.79	23.95	22.35	20.96	19.72	18.63	17.65	16.77	15.97	15.24
150	38.63	34.34	30.90	28.09	25.75	23.77	22.07	20.60	19.31	18.18	17.17	16.26	15.45	14.72	14.05
156	35.71	31.75	28.57	25.97	23.81	21.98	20.41	19.05	17.86	16.81	15.87	15.04	14.29	13.61	12.99
162	33.12	29.44	26.49	24.09	22.08	20.38	18.92	17.66	16.56	15.58	14.72	13.94	13.25	12.62	12.04
168	30.79	27.37	24.64	22.40	20.53	18.95	17.60	16.42	15.40	14.49	13.69	12.97	12.32	11.73	11.20
174	27.86	24.77	22.29	20.26	18.58	17.15	15.92	14.86	13.93	13.11	12.38	11.73	11.15	10.61	10.13
180	25.17	22.37	20.13	18.30	16.78	15.49	14.38	13.42	12.58	11.84	11.19	10.60	10.07	9.59	9.15
186	22.81	20.28	18.25	16.59	15.21	14.04	13.03	12.17	11.41	10.73	10.14	9.60	9.12	8.69	8.29
192	20.74	18.43	16.59	15.08	13.83	12.76	11.85	11.06	10.37	9.76	9.22	8.73	8.30	7.90	7.54
198	18.91	16.81	15.13	13.75	12.61	11.64	10.81	10.08	9.45	8.90	8.40	7.96	7.56	7.20	6.88
204	17.29	15.37	13.83	12.57	11.53	10.64	9.88	9.22	8.64	8.14	7.68	7.28	6.92	6.59	6.29
210	15.85	14.09	12.68	11.53	10.57	9.75	9.06	8.45	7.92	7.46	7.04	6.67	6.34	6.04	5.76
216	14.56	12.95	11.65	10.59	9.71	8.96	8.32	7.77	7.28	6.85	6.47	6.13	5.83	5.55	5.30

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

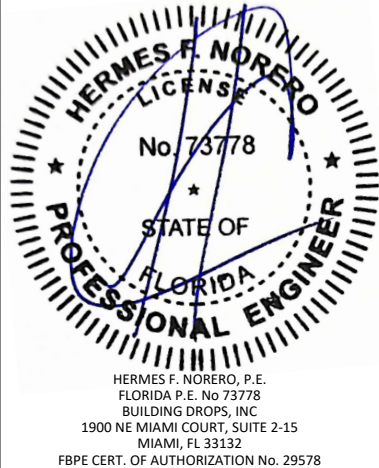
PREPARED BY:

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MIAMI, FL 33132
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REMARKS	BY	DATE

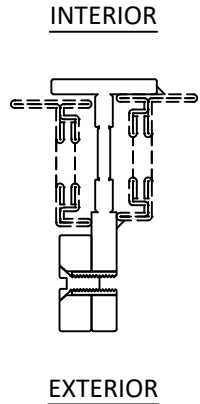
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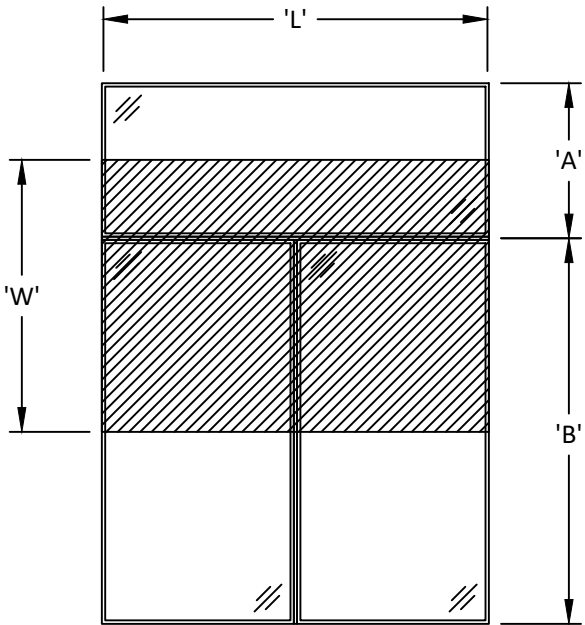
FL #:	FL47873
DATE:	11.04.2025
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SCALE:	NTS
DWG. #:	ELS013
SHEET:	

10

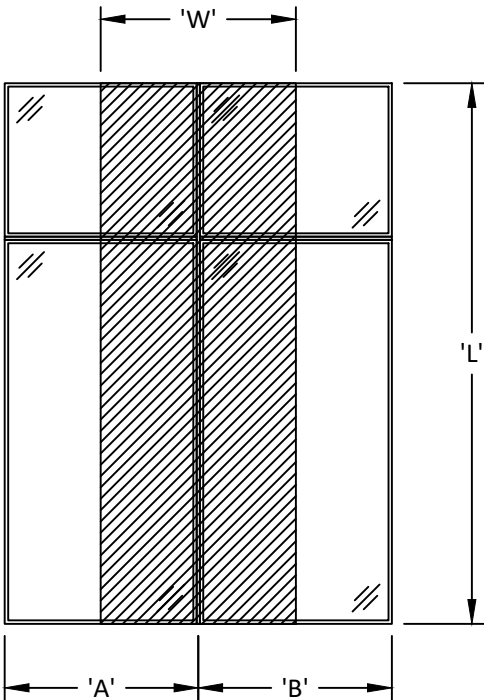
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MULLION DETAIL
FT 1001042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1001042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.00	56.47	53.33	50.53	48.00	45.71	43.64
54	65.00	65.00	65.00	65.00	65.00	65.00	60.95	56.89	53.33	50.20	47.41	44.91	42.67	40.63	38.79
60	65.00	65.00	65.00	65.00	64.00	59.08	54.86	51.20	48.00	45.18	42.67	40.42	38.40	36.57	34.91
66	65.00	65.00	65.00	63.47	58.18	53.71	49.87	46.55	43.64	41.07	38.79	36.75	34.91	33.25	31.74
72	65.00	65.00	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00	30.48	29.09
78	65.00	65.00	59.08	53.71	49.23	45.44	42.20	39.38	36.92	34.75	32.82	31.09	29.54	28.13	26.85
84	65.00	60.95	54.86	49.87	45.71	42.20	39.18	36.57	34.29	32.27	30.48	28.87	27.43	26.12	24.94
90	64.00	56.89	51.20	46.55	42.67	39.38	36.57	34.13	32.00	30.12	28.44	26.95	25.60	24.38	23.27
96	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00	22.86	21.82
102	56.47	50.20	45.18	41.07	37.65	34.75	32.27	30.12	28.24	26.57	25.10	23.78	22.59	21.51	20.53
108	53.33	47.41	42.67	38.79	35.56	32.82	30.48	28.44	26.67	25.10	23.70	22.46	21.33	20.32	19.39
114	50.53	44.91	40.42	36.75	33.68	31.09	28.87	26.95	25.26	23.78	22.46	21.27	20.21	19.25	18.37
120	48.00	42.67	38.40	34.91	32.00	29.54	27.43	25.60	24.00	22.59	21.33	20.21	19.20	18.29	17.45
126	45.71	40.63	36.57	33.25	30.48	28.13	26.12	24.38	22.86	21.51	20.32	19.25	18.29	17.41	16.62
132	43.64	38.79	34.91	31.74	29.09	26.85	24.94	23.27	21.82	20.53	19.39	18.37	17.45	16.62	15.87
138	41.74	37.10	33.39	30.36	27.83	25.69	23.85	22.26	20.87	19.64	18.55	17.57	16.70	15.90	15.18
144	40.00	35.56	32.00	29.09	26.67	24.62	22.86	21.33	20.00	18.82	17.78	16.84	16.00	15.24	14.55
150	38.40	34.13	30.72	27.93	25.60	23.63	21.94	20.48	19.20	18.07	17.07	16.17	15.36	14.63	13.96
156	35.71	31.75	28.57	25.97	23.81	21.98	20.41	19.05	17.86	16.81	15.87	15.04	14.29	13.61	12.99
162	33.12	29.44	26.49	24.09	22.08	20.38	18.92	17.66	16.56	15.58	14.72	13.94	13.25	12.62	12.04
168	30.79	27.37	24.64	22.40	20.53	18.95	17.60	16.42	15.40	14.49	13.69	12.97	12.32	11.73	11.20
174	27.86	24.77	22.29	20.26	18.58	17.15	15.92	14.86	13.93	13.11	12.38	11.73	11.15	10.61	10.13
180	25.17	22.37	20.13	18.30	16.78	15.49	14.38	13.42	12.58	11.84	11.19	10.60	10.07	9.59	9.15
186	22.81	20.28	18.25	16.59	15.21	14.04	13.03	12.17	11.41	10.73	10.14	9.60	9.12	8.69	8.29
192	20.74	18.43	16.59	15.08	13.83	12.76	11.85	11.06	10.37	9.76	9.22	8.73	8.30	7.90	7.54
198	18.91	16.81	15.13	13.75	12.61	11.64	10.81	10.08	9.45	8.90	8.40	7.96	7.56	7.20	6.88
204	17.29	15.37	13.83	12.57	11.53	10.64	9.88	9.22	8.64	8.14	7.68	7.28	6.92	6.59	6.29
210	15.85	14.09	12.68	11.53	10.57	9.75	9.06	8.45	7.92	7.46	7.04	6.67	6.34	6.04	5.76
216	14.56	12.95	11.65	10.59	9.71	8.96	8.32	7.77	7.28	6.85	6.47	6.13	5.83	5.55	5.30

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

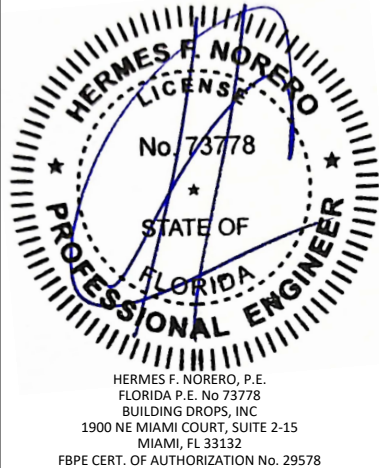
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

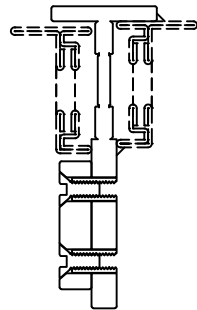
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	11

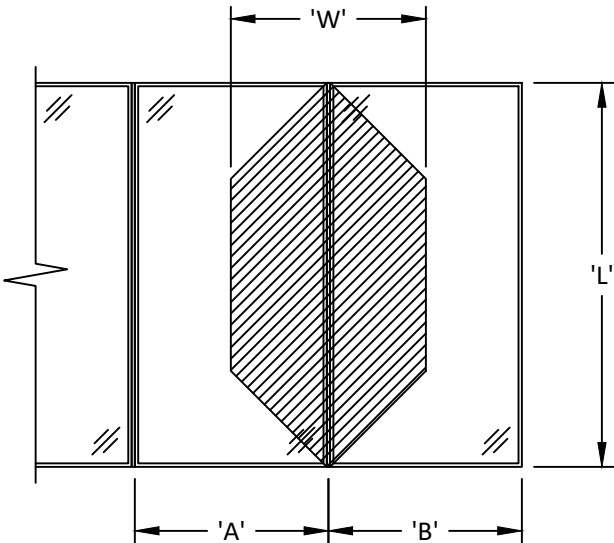
c:\users\mengasun\building drops - common\projects\euroline steel windows & doors\fbc-25-1047 - stand alone steel mullion updates\dwgs\els013.dwg 11/12/2025 3:17 PM

INTERIOR

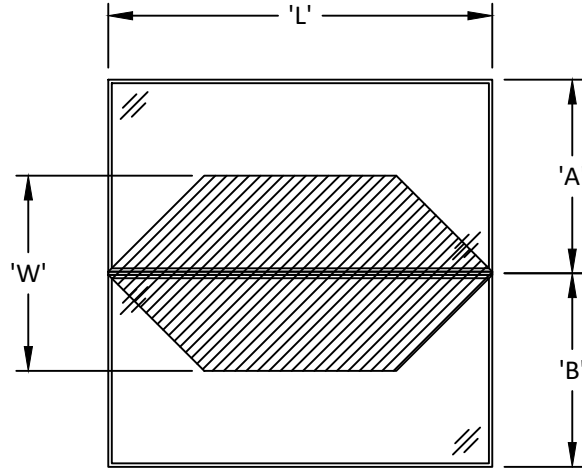


EXTERIOR

MULLION DETAIL
FT 1201042TF-14



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1201042TF-14, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
108	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
114	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.83	64.05	63.79	63.79	63.79	63.79
120	65.00	65.00	65.00	65.00	65.00	65.00	62.26	59.83	57.94	56.50	55.50	54.89	54.69	54.69	54.69
126	65.00	65.00	65.00	65.00	61.85	58.33	55.46	53.13	51.26	49.78	48.66	47.88	47.40	47.25	47.25
132	65.00	65.00	64.72	59.77	55.75	52.47	49.77	47.55	45.73	44.26	43.10	42.22	41.59	41.22	41.09
138	65.00	64.56	58.85	54.27	50.54	47.47	44.94	42.83	41.09	39.66	38.49	37.57	36.86	36.36	36.06
144	65.00	59.04	53.75	49.50	46.04	43.18	40.80	38.81	37.16	35.77	34.63	33.69	32.95	32.38	31.97
150	60.40	54.20	49.30	45.35	42.13	39.46	37.23	35.36	33.78	32.46	31.34	30.42	29.66	29.06	28.60
156	55.69	49.94	45.39	41.72	38.71	36.21	34.12	32.36	30.86	29.60	28.53	27.63	26.88	26.26	25.76
162	51.52	46.17	41.93	38.51	35.69	33.36	31.39	29.73	28.32	27.12	26.10	25.22	24.48	23.87	23.36
168	46.83	42.00	38.18	35.09	32.56	30.46	28.69	27.20	25.94	24.86	23.93	23.13	22.41	21.81	21.29
174	42.06	37.70	34.24	31.45	29.16	27.25	25.64	24.28	23.12	22.13	21.28	20.55	19.93	19.39	18.94
180	37.92	33.96	30.83	28.30	26.21	24.48	23.02	21.77	20.71	19.80	19.02	18.34	17.75	17.25	16.82
186	34.30	30.71	27.86	25.56	23.66	22.08	20.74	19.60	18.63	17.79	17.07	16.44	15.89	15.42	15.02
192	31.13	27.86	25.26	23.16	21.43	19.98	18.76	17.71	16.82	16.05	15.38	14.80	14.29	13.85	13.47
198	28.34	25.36	22.98	21.06	19.47	18.14	17.02	16.06	15.24	14.53	13.91	13.37	12.90	12.49	12.13
204	25.88	23.14	20.97	19.20	17.75	16.53	15.50	14.61	13.86	13.20	12.62	12.12	11.69	11.30	10.96
210	23.70	21.18	19.18	17.56	16.22	15.10	14.15	13.34	12.64	12.03	11.50	11.03	10.62	10.26	9.95
216	21.75	19.44	17.60	16.10	14.87	13.83	12.96	12.20	11.56	10.99	10.50	10.07	9.69	9.35	9.06

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

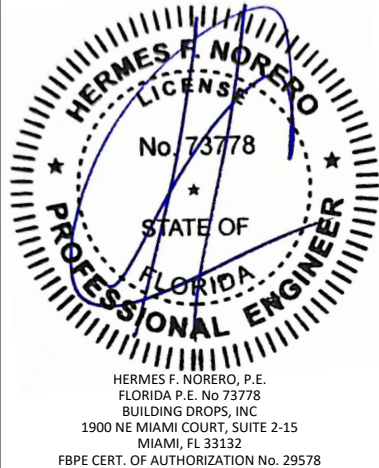
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

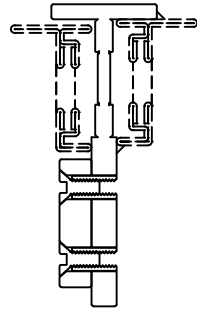
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	12

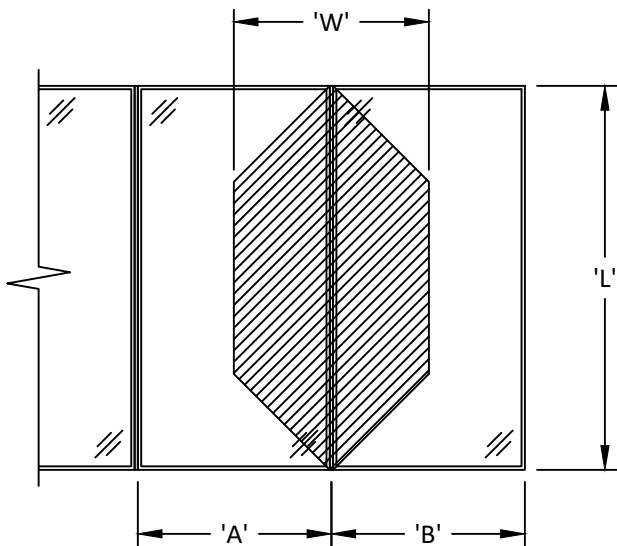
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INTERIOR

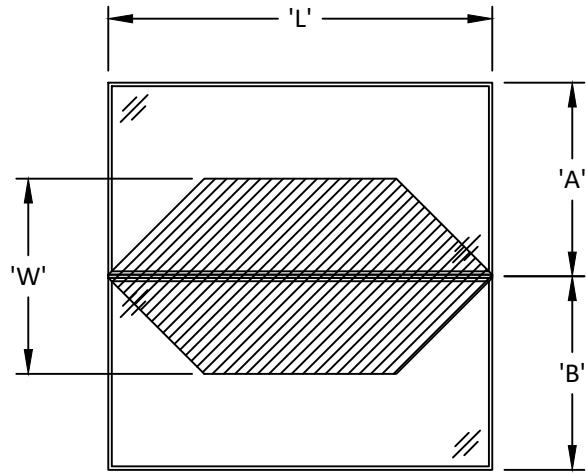


EXTERIOR

MULLION DETAIL
FT 1201042TF-14



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1201042TF-14, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	64.00	62.19	60.95	60.24	60.00	60.00	60.00	60.00	60.00	60.00	60.00
102	65.00	65.00	64.00	60.71	58.18	56.26	54.86	53.89	53.33	53.15	53.15	53.15	53.15	53.15	53.15
108	65.00	63.21	59.08	55.85	53.33	51.37	49.87	48.76	48.00	47.55	47.41	47.41	47.41	47.41	47.41
114	64.00	58.85	54.86	51.72	49.23	47.26	45.71	44.52	43.64	43.03	42.67	42.55	42.55	42.55	42.55
120	60.00	55.05	51.20	48.15	45.71	43.76	42.20	40.96	40.00	39.28	38.79	38.50	38.40	38.40	38.40
126	56.47	51.72	48.00	45.04	42.67	40.74	39.18	37.93	36.92	36.14	35.56	35.15	34.91	34.83	34.83
132	53.33	48.76	45.18	42.31	40.00	38.11	36.57	35.31	34.29	33.46	32.82	32.34	32.00	31.80	31.74
138	50.53	46.13	42.67	39.90	37.65	35.80	34.29	33.03	32.00	31.16	30.48	29.94	29.54	29.26	29.09
144	48.00	43.76	40.42	37.74	35.56	33.76	32.27	31.03	30.00	29.15	28.44	27.88	27.43	27.09	26.85
150	45.71	41.63	38.40	35.80	33.68	31.93	30.48	29.26	28.24	27.38	26.67	26.08	25.60	25.22	24.94
156	43.64	39.69	36.57	34.06	32.00	30.30	28.87	27.68	26.67	25.82	25.10	24.50	24.00	23.59	23.27
162	41.74	37.93	34.91	32.47	30.48	28.82	27.43	26.26	25.26	24.42	23.70	23.10	22.59	22.16	21.82
168	40.00	36.31	33.39	31.03	29.09	27.48	26.12	24.98	24.00	23.17	22.46	21.85	21.33	20.90	20.53
174	38.40	34.83	32.00	29.71	27.83	26.26	24.94	23.81	22.86	22.04	21.28	20.55	19.93	19.39	18.94
180	36.92	33.46	30.72	28.30	26.21	24.48	23.02	21.77	20.71	19.80	19.02	18.34	17.75	17.25	16.82
186	34.30	30.71	27.86	25.56	23.66	22.08	20.74	19.60	18.63	17.79	17.07	16.44	15.89	15.42	15.02
192	31.13	27.86	25.26	23.16	21.43	19.98	18.76	17.71	16.82	16.05	15.38	14.80	14.29	13.85	13.47
198	28.34	25.36	22.98	21.06	19.47	18.14	17.02	16.06	15.24	14.53	13.91	13.37	12.90	12.49	12.13
204	25.88	23.14	20.97	19.20	17.75	16.53	15.50	14.61	13.86	13.20	12.62	12.12	11.69	11.30	10.96
210	23.70	21.18	19.18	17.56	16.22	15.10	14.15	13.34	12.64	12.03	11.50	11.03	10.62	10.26	9.95
216	21.75	19.44	17.60	16.10	14.87	13.83	12.96	12.20	11.56	10.99	10.50	10.07	9.69	9.35	9.06

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

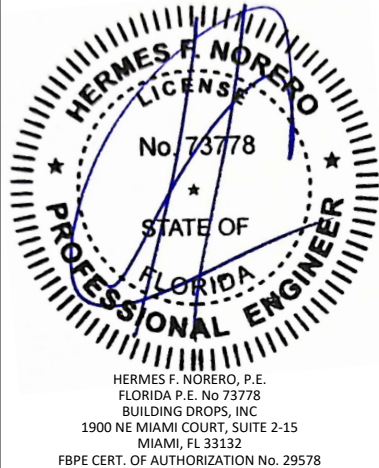
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

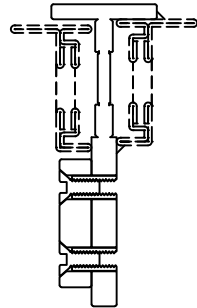
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	13

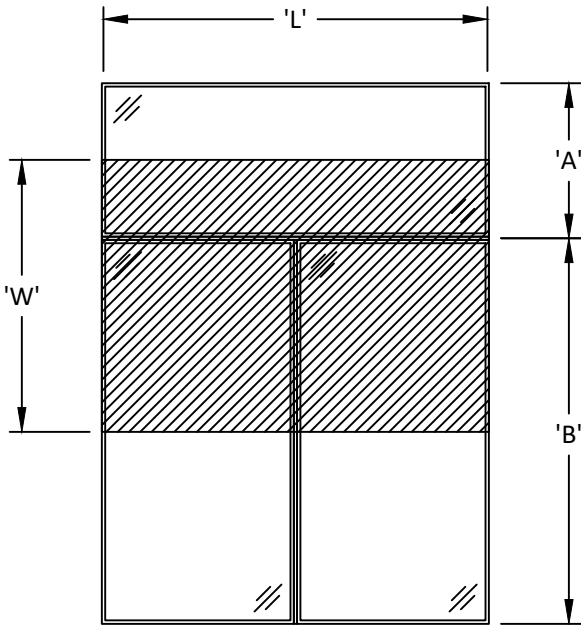
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INTERIOR

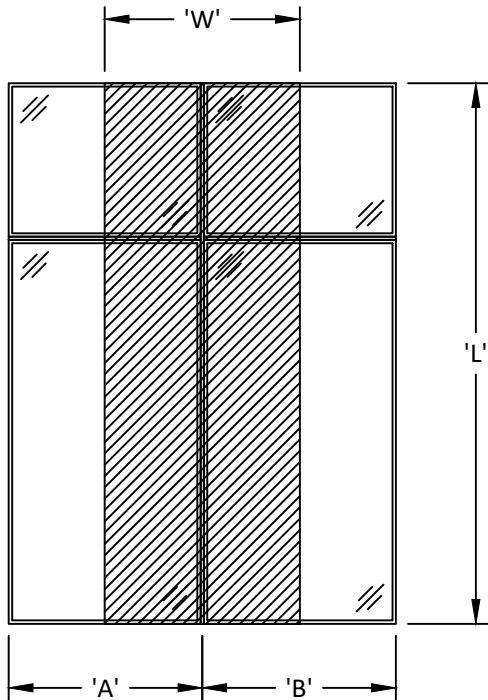


EXTERIOR

MULLION DETAIL
FT 1201042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1201042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.26	59.43
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.83	56.03	53.48
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	62.92	59.43	56.30	53.48	50.94	48.62
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.28	57.68	54.47	51.61	49.03	46.69	44.57
78	65.00	65.00	65.00	65.00	65.00	65.00	64.65	60.34	56.57	53.24	50.28	47.64	45.26	43.10	41.14
84	65.00	65.00	65.00	65.00	65.00	64.65	60.03	56.03	52.53	49.44	46.69	44.23	42.02	40.02	38.20
90	65.00	65.00	65.00	65.00	65.00	60.34	56.03	52.30	49.03	46.14	43.58	41.29	39.22	37.35	35.66
96	65.00	65.00	65.00	65.00	61.28	56.57	52.53	49.03	45.96	43.26	40.86	38.71	36.77	35.02	33.43
102	65.00	65.00	65.00	62.92	57.68	53.24	49.44	46.14	43.26	40.71	38.45	36.43	34.61	32.96	31.46
108	65.00	65.00	65.00	59.43	54.47	50.28	46.69	43.58	40.86	38.45	36.32	34.40	32.68	31.13	29.71
114	65.00	65.00	61.93	56.30	51.61	47.64	44.23	41.29	38.71	36.43	34.40	32.59	30.96	29.49	28.15
120	65.00	65.00	58.83	53.48	49.03	45.26	42.02	39.22	36.77	34.61	32.68	30.96	29.42	28.02	26.74
126	65.00	60.98	54.88	49.89	45.73	42.22	39.20	36.59	34.30	32.28	30.49	28.88	27.44	26.13	24.95
132	62.51	55.56	50.01	45.46	41.67	38.47	35.72	33.34	31.25	29.42	27.78	26.32	25.00	23.81	22.73
138	57.19	50.84	45.75	41.59	38.13	35.19	32.68	30.50	28.59	26.91	25.42	24.08	22.88	21.79	20.80
144	52.52	46.69	42.02	38.20	35.02	32.32	30.01	28.01	26.26	24.72	23.34	22.12	21.01	20.01	19.10
150	48.41	43.03	38.72	35.20	32.27	29.79	27.66	25.82	24.20	22.78	21.51	20.38	19.36	18.44	17.60
156	44.75	39.78	35.80	32.55	29.84	27.54	25.57	23.87	22.38	21.06	19.89	18.84	17.90	17.05	16.27
162	41.50	36.89	33.20	30.18	27.67	25.54	23.71	22.13	20.75	19.53	18.44	17.47	16.60	15.81	15.09
168	38.59	34.30	30.87	28.06	25.73	23.75	22.05	20.58	19.29	18.16	17.15	16.25	15.44	14.70	14.03
174	35.97	31.98	28.78	26.16	23.98	22.14	20.56	19.19	17.99	16.93	15.99	15.15	14.39	13.70	13.08
180	33.61	29.88	26.89	24.45	22.41	20.69	19.21	17.93	16.81	15.82	14.94	14.15	13.45	12.81	12.22
186	31.48	27.98	25.18	22.90	20.99	19.37	17.99	16.79	15.74	14.81	13.99	13.26	12.59	11.99	11.45
192	29.54	26.26	23.64	21.49	19.70	18.18	16.88	15.76	14.77	13.90	13.13	12.44	11.82	11.25	10.74
198	27.68	24.61	22.15	20.13	18.45	17.04	15.82	14.76	13.84	13.03	12.30	11.66	11.07	10.55	10.07
204	25.31	22.50	20.25	18.41	16.87	15.58	14.46	13.50	12.66	11.91	11.25	10.66	10.12	9.64	9.20
210	23.20	20.62	18.56	16.87	15.47	14.28	13.26	12.37	11.60	10.92	10.31	9.77	9.28	8.84	8.44
216	21.32	18.95	17.06	15.51	14.21	13.12	12.18	11.37	10.66	10.03	9.48	8.98	8.53	8.12	7.75

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

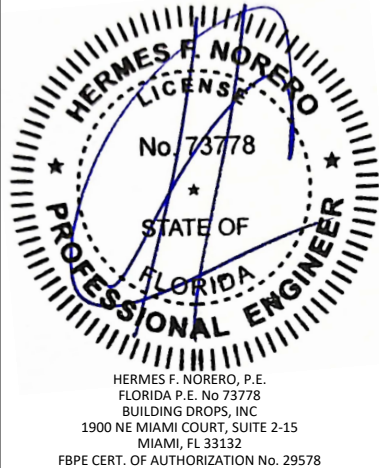
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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.



FL #: **FL47873**

DATE: **11.04.2025**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

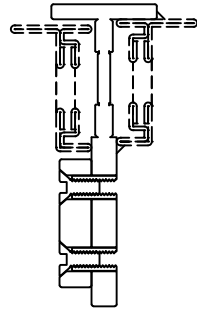
DWG. #: **ELS013**

SHEET:

14

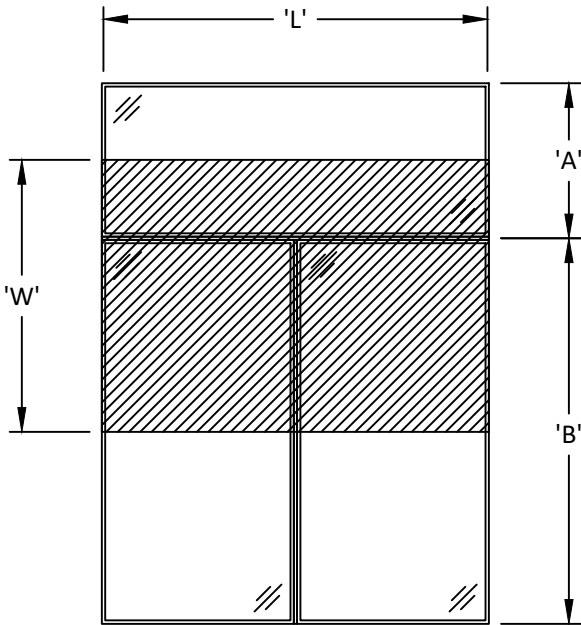
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INTERIOR

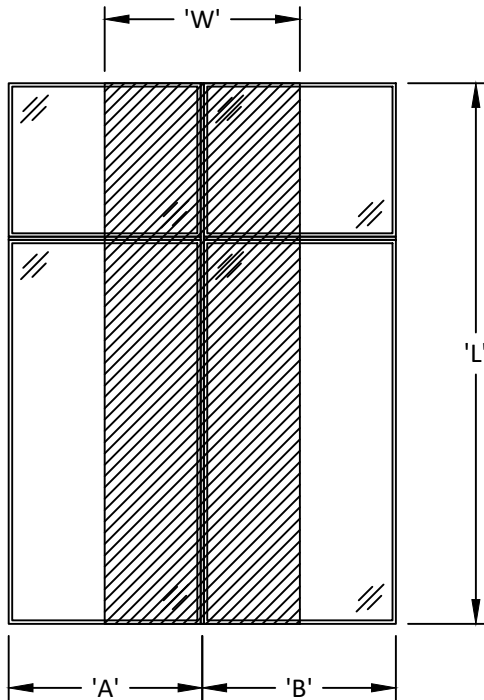


EXTERIOR

MULLION DETAIL
FT 1201042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1201042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.00	56.47	53.33	50.53	48.00	45.71	43.64
54	65.00	65.00	65.00	65.00	65.00	65.00	60.95	56.89	53.33	50.20	47.41	44.91	42.67	40.63	38.79
60	65.00	65.00	65.00	65.00	64.00	59.08	54.86	51.20	48.00	45.18	42.67	40.42	38.40	36.57	34.91
66	65.00	65.00	65.00	63.47	58.18	53.71	49.87	46.55	43.64	41.07	38.79	36.75	34.91	33.25	31.74
72	65.00	65.00	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00	30.48	29.09
78	65.00	65.00	59.08	53.71	49.23	45.44	42.20	39.38	36.92	34.75	32.82	31.09	29.54	28.13	26.85
84	65.00	60.95	54.86	49.87	45.71	42.20	39.18	36.57	34.29	32.27	30.48	28.87	27.43	26.12	24.94
90	64.00	56.89	51.20	46.55	42.67	39.38	36.57	34.13	32.00	30.12	28.44	26.95	25.60	24.38	23.27
96	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00	22.86	21.82
102	56.47	50.20	45.18	41.07	37.65	34.75	32.27	30.12	28.24	26.57	25.10	23.78	22.59	21.51	20.53
108	53.33	47.41	42.67	38.79	35.56	32.82	30.48	28.44	26.67	25.10	23.70	22.46	21.33	20.32	19.39
114	50.53	44.91	40.42	36.75	33.68	31.09	28.87	26.95	25.26	23.78	22.46	21.27	20.21	19.25	18.37
120	48.00	42.67	38.40	34.91	32.00	29.54	27.43	25.60	24.00	22.59	21.33	20.21	19.20	18.29	17.45
126	45.71	40.63	36.57	33.25	30.48	28.13	26.12	24.38	22.86	21.51	20.32	19.25	18.29	17.41	16.62
132	43.64	38.79	34.91	31.74	29.09	26.85	24.94	23.27	21.82	20.53	19.39	18.37	17.45	16.62	15.87
138	41.74	37.10	33.39	30.36	27.83	25.69	23.85	22.26	20.87	19.64	18.55	17.57	16.70	15.90	15.18
144	40.00	35.56	32.00	29.09	26.67	24.62	22.86	21.33	20.00	18.82	17.78	16.84	16.00	15.24	14.55
150	38.40	34.13	30.72	27.93	25.60	23.63	21.94	20.48	19.20	18.07	17.07	16.17	15.36	14.63	13.96
156	36.92	32.82	29.54	26.85	24.62	22.72	21.10	19.69	18.46	17.38	16.41	15.55	14.77	14.07	13.43
162	35.56	31.60	28.44	25.86	23.70	21.88	20.32	18.96	17.78	16.73	15.80	14.97	14.22	13.54	12.93
168	34.29	30.48	27.43	24.94	22.86	21.10	19.59	18.29	17.14	16.13	15.24	14.44	13.71	13.06	12.47
174	33.10	29.43	26.48	24.08	22.07	20.37	18.92	17.66	16.55	15.58	14.71	13.94	13.24	12.61	12.04
180	32.00	28.44	25.60	23.27	21.33	19.69	18.29	17.07	16.00	15.06	14.22	13.47	12.80	12.19	11.64
186	30.97	27.53	24.77	22.52	20.65	19.06	17.70	16.52	15.48	14.57	13.76	13.04	12.39	11.80	11.26
192	29.54	26.26	23.64	21.49	19.70	18.18	16.88	15.76	14.77	13.90	13.13	12.44	11.82	11.25	10.74
198	27.68	24.61	22.15	20.13	18.45	17.04	15.82	14.76	13.84	13.03	12.30	11.66	11.07	10.55	10.07
204	25.31	22.50	20.25	18.41	16.87	15.58	14.46	13.50	12.66	11.91	11.25	10.66	10.12	9.64	9.20
210	23.20	20.62	18.56	16.87	15.47	14.28	13.26	12.37	11.60	10.92	10.31	9.77	9.28	8.84	8.44
216	21.32	18.95	17.06	15.51	14.21	13.12	12.18	11.37	10.66	10.03	9.48	8.98	8.53	8.12	7.75

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

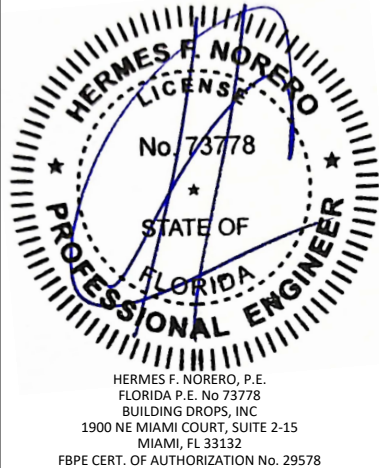
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



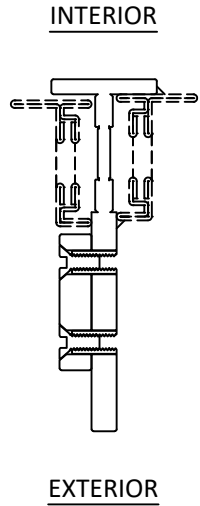
REMARKS	BY	DATE

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.

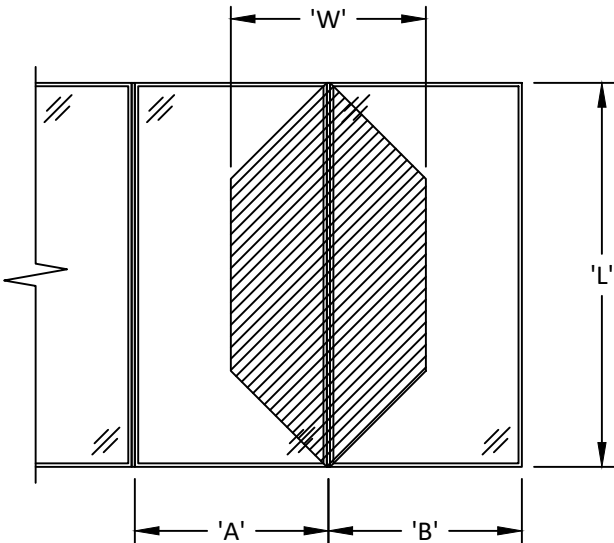


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	15

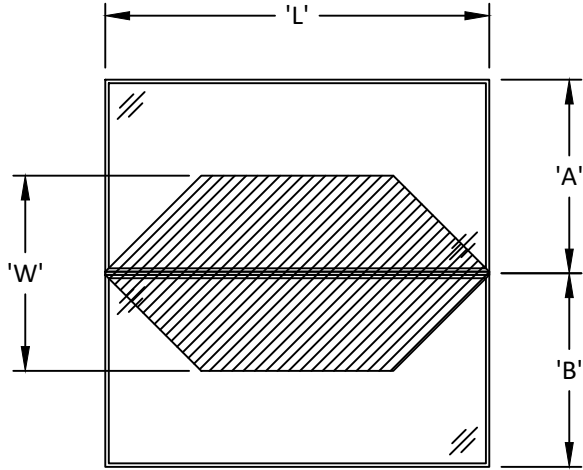
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MULLION DETAIL
FT 1401042TF-14



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
108	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
114	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.54	64.00	63.82	63.82	63.82	63.82
120	65.00	65.00	65.00	65.00	65.00	65.00	62.42	59.99	58.09	56.65	55.64	55.04	54.84	54.84	54.84
126	65.00	65.00	65.00	65.00	62.01	58.48	55.61	53.27	51.39	49.91	48.79	48.00	47.53	47.37	47.37
132	65.00	65.00	64.90	59.93	55.90	52.60	49.90	47.67	45.85	44.38	43.21	42.33	41.70	41.33	41.20
138	65.00	64.73	59.00	54.41	50.67	47.60	45.05	42.95	41.20	39.76	38.59	37.67	36.96	36.46	36.16
144	65.00	59.19	53.89	49.63	46.16	43.29	40.91	38.92	37.25	35.87	34.72	33.78	33.03	32.46	32.06
150	60.56	54.34	49.43	45.47	42.24	39.56	37.33	35.45	33.87	32.54	31.43	30.50	29.74	29.14	28.67
156	55.84	50.07	45.51	41.83	38.81	36.31	34.21	32.44	30.95	29.68	28.61	27.70	26.95	26.33	25.83
162	51.66	46.29	42.04	38.61	35.79	33.44	31.48	29.81	28.40	27.19	26.16	25.29	24.55	23.93	23.42
168	47.93	42.93	38.96	35.75	33.11	30.92	29.07	27.50	26.16	25.02	24.04	23.19	22.47	21.86	21.35
174	44.60	39.92	36.21	33.21	30.73	28.67	26.93	25.45	24.19	23.10	22.17	21.36	20.66	20.07	19.56
180	41.61	37.22	33.75	30.93	28.61	26.67	25.03	23.63	22.44	21.41	20.51	19.74	19.07	18.49	18.00
186	38.90	34.79	31.53	28.88	26.69	24.87	23.32	22.01	20.87	19.90	19.05	18.31	17.67	17.11	16.62
192	36.46	32.59	29.52	27.03	24.97	23.25	21.79	20.55	19.47	18.55	17.74	17.03	16.42	15.88	15.41
198	34.24	30.60	27.70	25.35	23.41	21.79	20.41	19.23	18.21	17.33	16.56	15.89	15.30	14.78	14.33
204	32.22	28.78	26.05	23.83	22.00	20.46	19.15	18.04	17.07	16.23	15.50	14.86	14.30	13.80	13.36
210	30.37	27.12	24.54	22.44	20.71	19.25	18.01	16.95	16.04	15.24	14.55	13.93	13.40	12.92	12.50
216	28.68	25.61	23.16	21.17	19.53	18.15	16.97	15.97	15.10	14.34	13.68	13.09	12.58	12.12	11.72

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, C, & D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



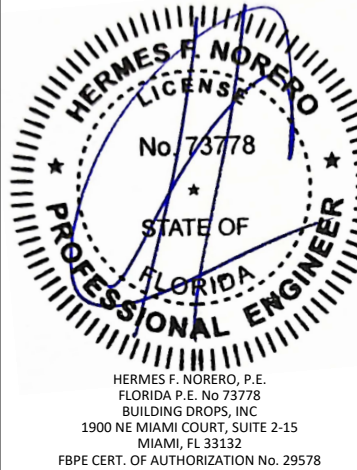
22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE:
SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)
MULLION DESIGN PRESSURE TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FL #: **FL47873**

DATE: **11.04.2025**

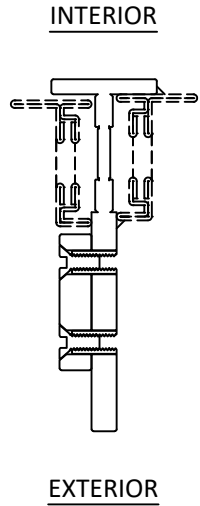
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SCALE: **NTS**

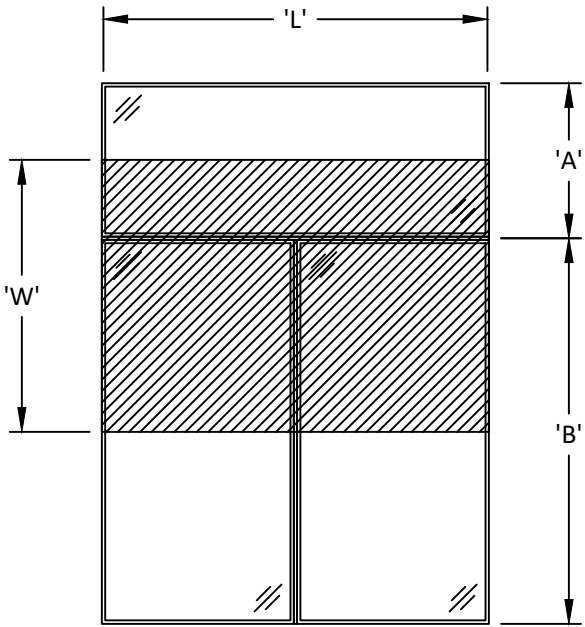
DWG. #: **ELS013**

SHEET:

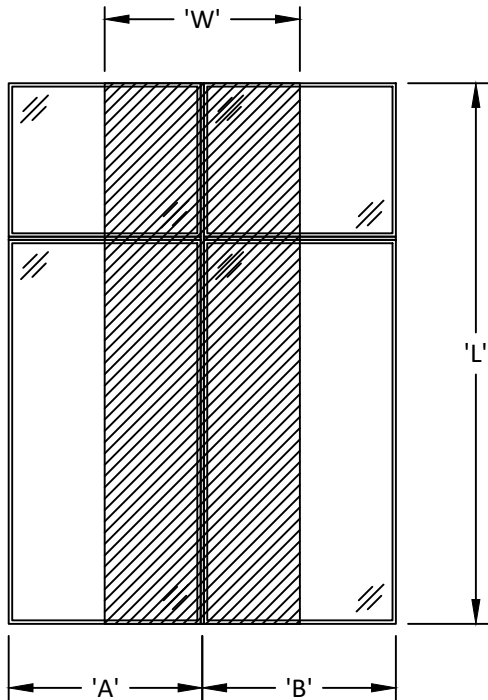
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MULLION DETAIL
FT 1401042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.65	61.71
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	63.03	60.03	57.30
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.83	56.03	53.48
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.89	61.28	58.06	55.16	52.53	50.14
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	63.25	59.53	56.22	53.26	50.60	48.19	46.00
108	65.00	65.00	65.00	65.00	65.00	65.00	64.48	60.18	56.42	53.10	50.15	47.51	45.13	42.98	41.03
114	65.00	65.00	65.00	65.00	65.00	62.32	57.87	54.01	50.63	47.66	45.01	42.64	40.51	38.58	36.82
120	65.00	65.00	65.00	65.00	60.93	56.24	52.23	48.74	45.70	43.01	40.62	38.48	36.56	34.82	33.23
126	65.00	65.00	65.00	60.29	55.26	51.01	47.37	44.21	41.45	39.01	36.84	34.90	33.16	31.58	30.14
132	65.00	65.00	60.43	54.93	50.35	46.48	43.16	40.28	37.77	35.54	33.57	31.80	30.21	28.77	27.47
138	65.00	61.43	55.29	50.26	46.07	42.53	39.49	36.86	34.55	32.52	30.71	29.10	27.64	26.33	25.13
144	63.47	56.42	50.77	46.16	42.31	39.06	36.27	33.85	31.73	29.87	28.21	26.72	25.39	24.18	23.08
150	58.49	51.99	46.79	42.54	38.99	36.00	33.42	31.20	29.25	27.53	26.00	24.63	23.40	22.28	21.27
156	54.08	48.07	43.26	39.33	36.05	33.28	30.90	28.84	27.04	25.45	24.04	22.77	21.63	20.60	19.67
162	50.15	44.58	40.12	36.47	33.43	30.86	28.66	26.75	25.07	23.60	22.29	21.11	20.06	19.10	18.24
168	46.63	41.45	37.30	33.91	31.09	28.70	26.65	24.87	23.31	21.94	20.72	19.63	18.65	17.76	16.96
174	43.47	38.64	34.78	31.61	28.98	26.75	24.84	23.18	21.73	20.46	19.32	18.30	17.39	16.56	15.81
180	40.62	36.11	32.50	29.54	27.08	25.00	23.21	21.66	20.31	19.12	18.05	17.10	16.25	15.47	14.77
186	38.04	33.81	30.43	27.67	25.36	23.41	21.74	20.29	19.02	17.90	16.91	16.02	15.22	14.49	13.83
192	35.70	31.73	28.56	25.96	23.80	21.97	20.40	19.04	17.85	16.80	15.87	15.03	14.28	13.60	12.98
198	33.57	29.84	26.86	24.41	22.38	20.66	19.18	17.90	16.78	15.80	14.92	14.13	13.43	12.79	12.21
204	31.62	28.11	25.30	23.00	21.08	19.46	18.07	16.87	15.81	14.88	14.06	13.32	12.65	12.05	11.50
210	29.84	26.53	23.87	21.70	19.90	18.36	17.05	15.92	14.92	14.04	13.26	12.57	11.94	11.37	10.85
216	28.21	25.07	22.57	20.51	18.81	17.36	16.12	15.04	14.10	13.27	12.54	11.88	11.28	10.75	10.26

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

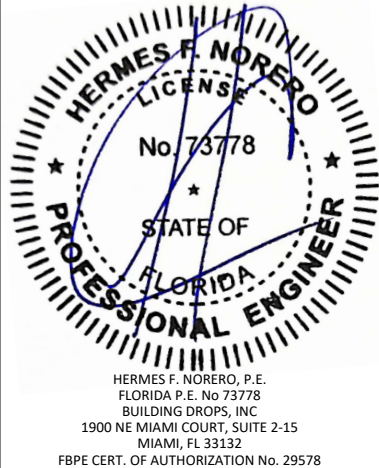
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



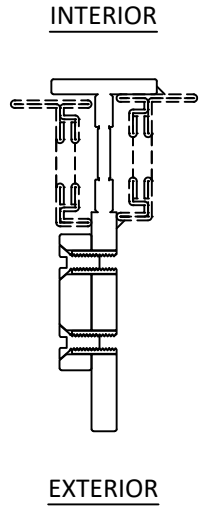
REMARKS	BY	DATE

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.

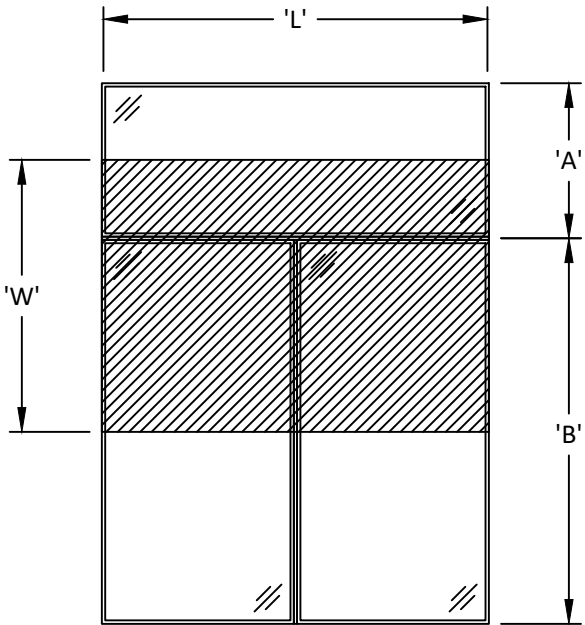


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	17

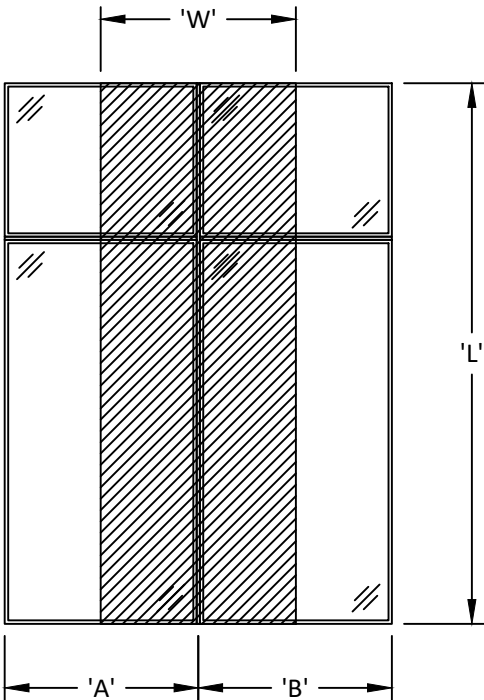
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MULLION DETAIL
FT 1401042TF-14



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.95	58.18
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.63	57.60	54.86	52.36
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.60	58.18	55.12	52.36	49.87	47.60
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.00	56.47	53.33	50.53	48.00	45.71	43.64
78	65.00	65.00	65.00	65.00	65.00	65.00	63.30	59.08	55.38	52.13	49.23	46.64	44.31	42.20	40.28
84	65.00	65.00	65.00	65.00	65.00	63.30	58.78	54.86	51.43	48.40	45.71	43.31	41.14	39.18	37.40
90	65.00	65.00	65.00	65.00	64.00	59.08	54.86	51.20	48.00	45.18	42.67	40.42	38.40	36.57	34.91
96	65.00	65.00	65.00	65.00	60.00	55.38	51.43	48.00	45.00	42.35	40.00	37.89	36.00	34.29	32.73
102	65.00	65.00	65.00	61.60	56.47	52.13	48.40	45.18	42.35	39.86	37.65	35.67	33.88	32.27	30.80
108	65.00	65.00	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00	30.48	29.09
114	65.00	65.00	60.63	55.12	50.53	46.64	43.31	40.42	37.89	35.67	33.68	31.91	30.32	28.87	27.56
120	65.00	64.00	57.60	52.36	48.00	44.31	41.14	38.40	36.00	33.88	32.00	30.32	28.80	27.43	26.18
126	65.00	60.95	54.86	49.87	45.71	42.20	39.18	36.57	34.29	32.27	30.48	28.87	27.43	26.12	24.94
132	65.00	58.18	52.36	47.60	43.64	40.28	37.40	34.91	32.73	30.80	29.09	27.56	26.18	24.94	23.80
138	62.61	55.65	50.09	45.53	41.74	38.53	35.78	33.39	31.30	29.46	27.83	26.36	25.04	23.85	22.77
144	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00	22.86	21.82
150	57.60	51.20	46.08	41.89	38.40	35.45	32.91	30.72	28.80	27.11	25.60	24.25	23.04	21.94	20.95
156	54.08	48.07	43.26	39.33	36.05	33.28	30.90	28.84	27.04	25.45	24.04	22.77	21.63	20.60	19.67
162	50.15	44.58	40.12	36.47	33.43	30.86	28.66	26.75	25.07	23.60	22.29	21.11	20.06	19.10	18.24
168	46.63	41.45	37.30	33.91	31.09	28.70	26.65	24.87	23.31	21.94	20.72	19.63	18.65	17.76	16.96
174	43.47	38.64	34.78	31.61	28.98	26.75	24.84	23.18	21.73	20.46	19.32	18.30	17.39	16.56	15.81
180	40.62	36.11	32.50	29.54	27.08	25.00	23.21	21.66	20.31	19.12	18.05	17.10	16.25	15.47	14.77
186	38.04	33.81	30.43	27.67	25.36	23.41	21.74	20.29	19.02	17.90	16.91	16.02	15.22	14.49	13.83
192	35.70	31.73	28.56	25.96	23.80	21.97	20.40	19.04	17.85	16.80	15.87	15.03	14.28	13.60	12.98
198	33.57	29.84	26.86	24.41	22.38	20.66	19.18	17.90	16.78	15.80	14.92	14.13	13.43	12.79	12.21
204	31.62	28.11	25.30	23.00	21.08	19.46	18.07	16.87	15.81	14.88	14.06	13.32	12.65	12.05	11.50
210	29.84	26.53	23.87	21.70	19.90	18.36	17.05	15.92	14.92	14.04	13.26	12.57	11.94	11.37	10.85
216	28.21	25.07	22.57	20.51	18.81	17.36	16.12	15.04	14.10	13.27	12.54	11.88	11.28	10.75	10.26

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

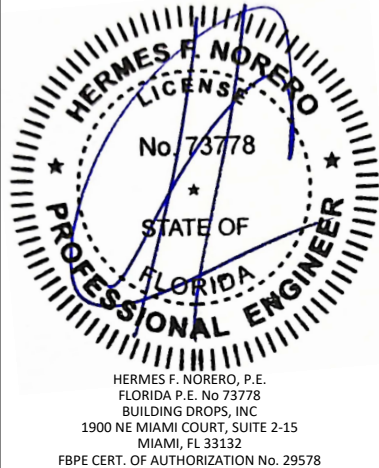
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



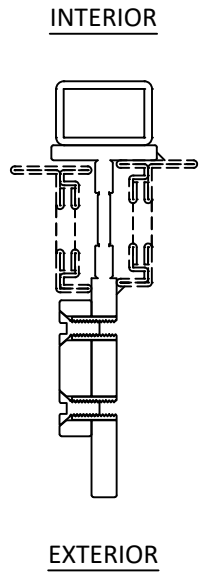
REMARKS	BY	DATE

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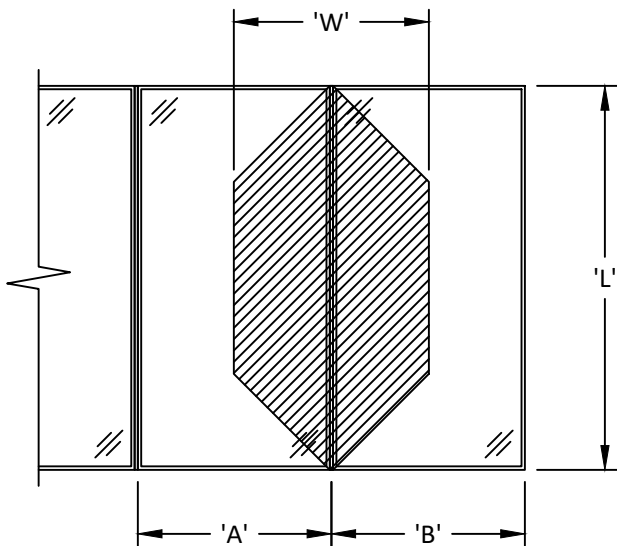


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	18

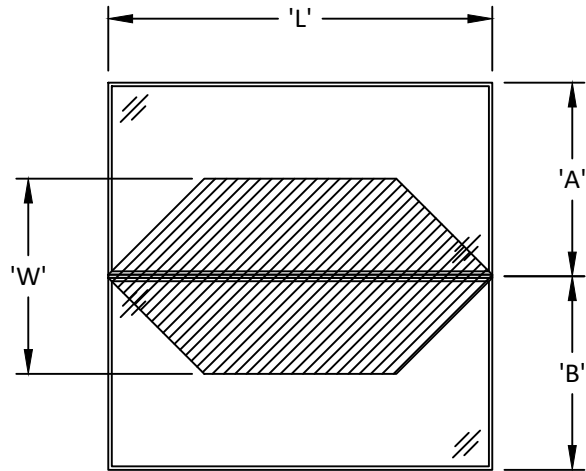
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MULLION DETAIL
FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
108	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
114	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
120	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
126	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.66	63.21	62.19	61.57	61.37	61.37
132	65.00	65.00	65.00	65.00	65.00	65.00	64.64	61.76	59.40	57.49	55.98	54.83	54.02	53.54	53.37
138	65.00	65.00	65.00	65.00	65.00	61.66	58.37	55.63	53.37	51.51	50.00	48.79	47.88	47.23	46.84
144	65.00	65.00	65.00	64.30	59.80	56.08	52.99	50.42	48.26	46.46	44.98	43.76	42.79	42.06	41.53
150	65.00	65.00	64.03	58.91	54.72	51.25	48.35	45.92	43.88	42.16	40.71	39.51	38.53	37.74	37.14
156	65.00	64.86	58.95	54.18	50.28	47.03	44.32	42.03	40.09	38.45	37.06	35.89	34.91	34.11	33.46
162	65.00	59.97	54.46	50.01	46.36	43.33	40.78	38.62	36.79	35.23	33.89	32.76	31.80	31.00	30.34
168	62.10	55.61	50.47	46.32	42.90	40.05	37.66	35.63	33.89	32.41	31.14	30.05	29.11	28.32	27.66
174	57.78	51.72	46.91	43.02	39.81	37.14	34.89	32.97	31.34	29.93	28.72	27.67	26.77	26.00	25.34
180	53.90	48.22	43.72	40.07	37.06	34.54	32.42	30.62	29.07	27.73	26.58	25.58	24.71	23.96	23.31
186	50.40	45.07	40.84	37.41	34.58	32.22	30.21	28.51	27.04	25.77	24.68	23.72	22.89	22.16	21.54
192	47.23	42.22	38.24	35.01	32.35	30.12	28.23	26.62	25.23	24.02	22.98	22.07	21.27	20.57	19.96
198	44.36	39.64	35.89	32.84	30.33	28.22	26.44	24.91	23.59	22.45	21.46	20.59	19.82	19.15	18.56
204	41.74	37.29	33.75	30.87	28.50	26.50	24.81	23.37	22.12	21.03	20.08	19.25	18.52	17.88	17.31
210	39.35	35.14	31.79	29.07	26.82	24.94	23.34	21.96	20.78	19.75	18.84	18.05	17.35	16.74	16.19
216	37.15	33.17	30.01	27.43	25.30	23.51	21.99	20.69	19.56	18.58	17.72	16.96	16.29	15.70	15.18

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION - BAR & WELD INSTALLATION (WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

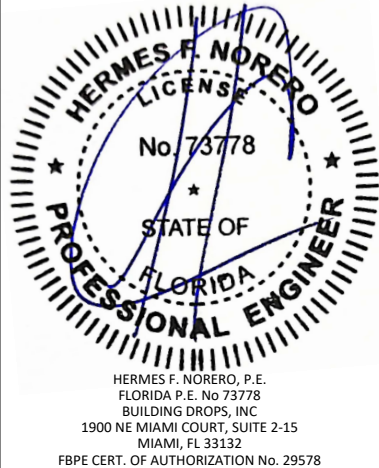
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



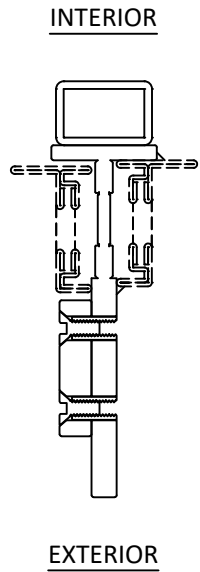
REMARKS	BY	DATE

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.

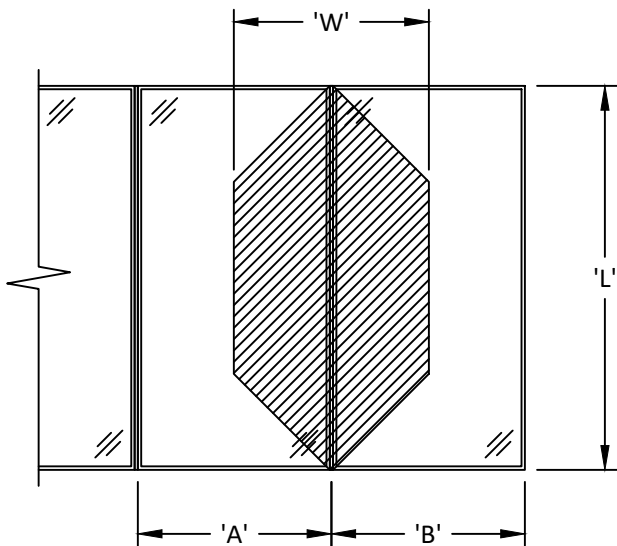


FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	19

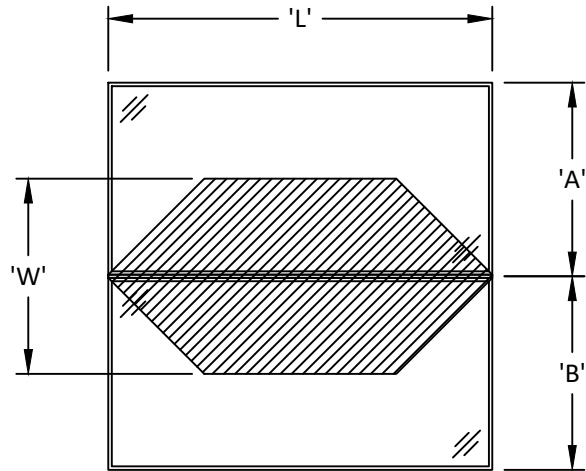
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MULLION DETAIL
FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE



ONE-WAY MULLION DIAGRAM



ONE-WAY MULLION DIAGRAM

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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE, ONE-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
108	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
114	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.54	64.00	63.82	63.82	63.82	63.82
120	65.00	65.00	65.00	65.00	65.00	65.00	63.30	61.44	60.00	58.93	58.18	57.74	57.60	57.60	57.60
126	65.00	65.00	65.00	65.00	64.00	61.11	58.78	56.89	55.38	54.21	53.33	52.72	52.36	52.24	52.24
132	65.00	65.00	65.00	63.47	60.00	57.17	54.86	52.97	51.43	50.20	49.23	48.51	48.00	47.70	47.60
138	65.00	65.00	64.00	59.84	56.47	53.71	51.43	49.55	48.00	46.73	45.71	44.91	44.31	43.89	43.64
144	65.00	65.00	60.63	56.61	53.33	50.64	48.40	46.55	45.00	43.72	42.67	41.81	41.14	40.63	40.28
150	65.00	62.44	57.60	53.71	50.53	47.90	45.71	43.89	42.35	41.07	40.00	39.12	38.40	37.74	37.14
156	65.00	59.53	54.86	51.09	48.00	45.44	43.31	41.51	40.00	38.45	37.06	35.89	34.91	34.11	33.46
162	62.61	56.89	52.36	48.71	45.71	43.23	40.78	38.62	36.79	35.23	33.89	32.76	31.80	31.00	30.34
168	60.00	54.47	50.09	46.32	42.90	40.05	37.66	35.63	33.89	32.41	31.14	30.05	29.11	28.32	27.66
174	57.60	51.72	46.91	43.02	39.81	37.14	34.89	32.97	31.34	29.93	28.72	27.67	26.77	26.00	25.34
180	53.90	48.22	43.72	40.07	37.06	34.54	32.42	30.62	29.07	27.73	26.58	25.58	24.71	23.96	23.31
186	50.40	45.07	40.84	37.41	34.58	32.22	30.21	28.51	27.04	25.77	24.68	23.72	22.89	22.16	21.54
192	47.23	42.22	38.24	35.01	32.35	30.12	28.23	26.62	25.23	24.02	22.98	22.07	21.27	20.57	19.96
198	44.36	39.64	35.89	32.84	30.33	28.22	26.44	24.91	23.59	22.45	21.46	20.59	19.82	19.15	18.56
204	41.74	37.29	33.75	30.87	28.50	26.50	24.81	23.37	22.12	21.03	20.08	19.25	18.52	17.88	17.31
210	39.35	35.14	31.79	29.07	26.82	24.94	23.34	21.96	20.78	19.75	18.84	18.05	17.35	16.74	16.19
216	37.15	33.17	30.01	27.43	25.30	23.51	21.99	20.69	19.56	18.58	17.72	16.96	16.29	15.70	15.18

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION - BAR & WELD INSTALLATION (WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

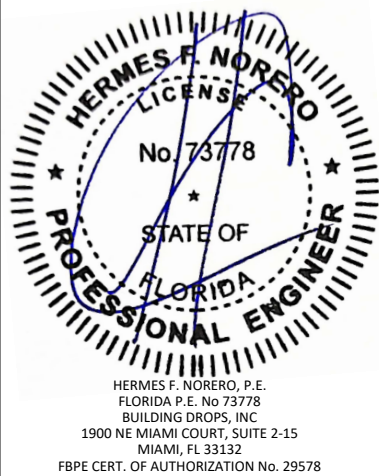
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

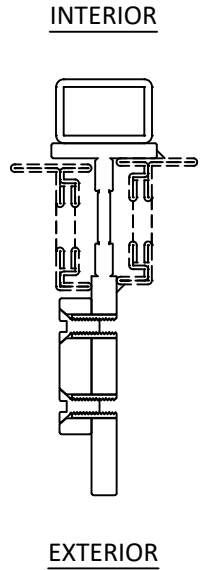
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



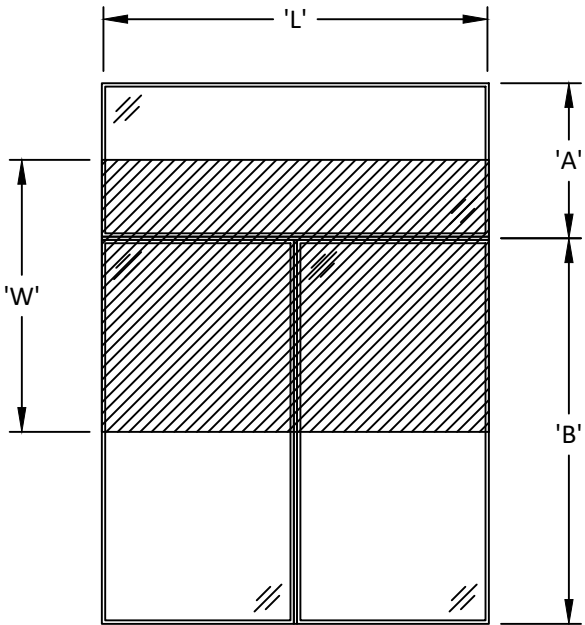
FL #:	FL47873
DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ELS013
SHEET:	

20

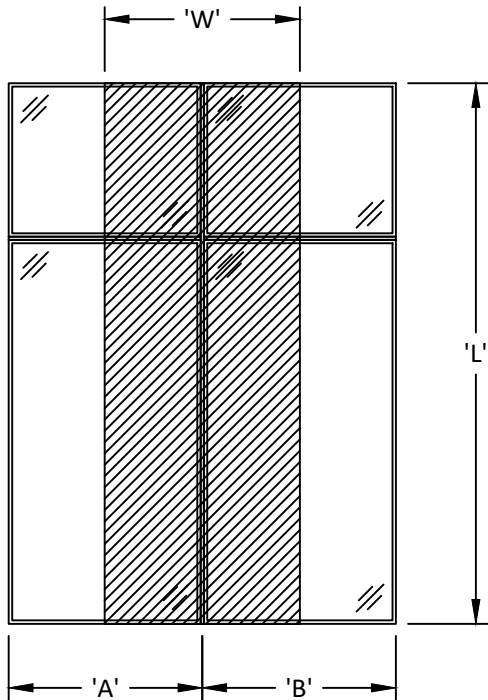
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MULLION DETAIL
FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
78	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.65	61.71
84	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	63.03	60.03	57.30
90	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.83	56.03	53.48
96	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.89	61.28	58.06	55.16	52.53	50.14
102	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.89	61.07	57.68	54.64	51.91	49.44	47.19
108	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.28	57.68	54.47	51.61	49.03	46.69	44.57
114	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.93	58.06	54.64	51.61	48.89	46.45	44.23	42.22
120	65.00	65.00	65.00	65.00	65.00	65.00	63.03	58.83	55.16	51.91	49.03	46.45	44.12	42.02	40.11
126	65.00	65.00	65.00	65.00	65.00	64.65	60.03	56.03	52.53	49.44	46.69	44.23	42.02	40.02	38.20
132	65.00	65.00	65.00	65.00	65.00	60.22	55.91	52.19	48.92	46.05	43.49	41.20	39.14	37.28	35.58
138	65.00	65.00	65.00	65.00	59.68	55.09	51.16	47.75	44.76	42.13	39.79	37.70	35.81	34.11	32.55
144	65.00	65.00	65.00	59.80	54.81	50.60	46.98	43.85	41.11	38.69	36.54	34.62	32.89	31.32	29.90
150	65.00	65.00	60.62	55.11	50.52	46.63	43.30	40.41	37.89	35.66	33.68	31.91	30.31	28.87	27.55
156	65.00	62.27	56.05	50.95	46.71	43.11	40.03	37.36	35.03	32.97	31.14	29.50	28.02	26.69	25.48
162	64.96	57.75	51.97	47.25	43.31	39.98	37.12	34.65	32.48	30.57	28.87	27.35	25.99	24.75	23.62
168	60.41	53.70	48.33	43.93	40.27	37.17	34.52	32.22	30.20	28.43	26.85	25.43	24.16	23.01	21.97
174	56.31	50.06	45.05	40.95	37.54	34.65	32.18	30.03	28.16	26.50	25.03	23.71	22.53	21.45	20.48
180	52.62	46.77	42.10	38.27	35.08	32.38	30.07	28.06	26.31	24.76	23.39	22.16	21.05	20.05	19.14
186	49.28	43.81	39.42	35.84	32.85	30.33	28.16	26.28	24.64	23.19	21.90	20.75	19.71	18.77	17.92
192	46.25	41.11	37.00	33.64	30.83	28.46	26.43	24.67	23.12	21.76	20.56	19.47	18.50	17.62	16.82
198	43.49	38.66	34.79	31.63	28.99	26.76	24.85	23.19	21.74	20.47	19.33	18.31	17.40	16.57	15.81
204	40.97	36.42	32.77	29.80	27.31	25.21	23.41	21.85	20.48	19.28	18.21	17.25	16.39	15.61	14.90
210	38.66	34.36	30.93	28.12	25.77	23.79	22.09	20.62	19.33	18.19	17.18	16.28	15.46	14.73	14.06
216	36.54	32.48	29.23	26.58	24.36	22.49	20.88	19.49	18.27	17.20	16.24	15.39	14.62	13.92	13.29

NOTE: THIS TABLE APPLIES TO ANCHOR TYPES A, B, & C. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE: SERIES 900 STEEL MULLION - BAR & WELD INSTALLATION (WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

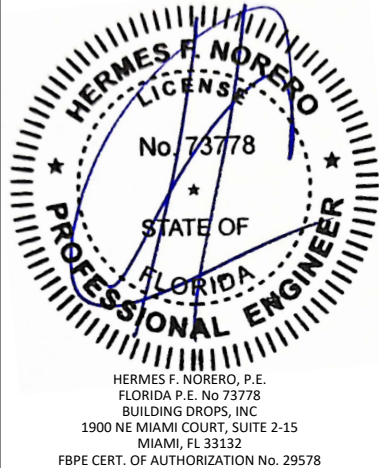
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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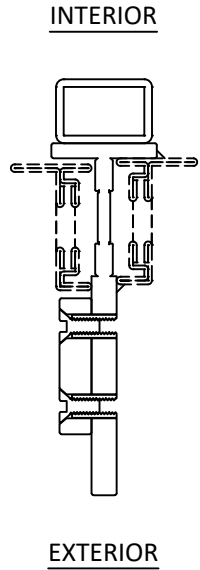
REMARKS	BY	DATE

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.

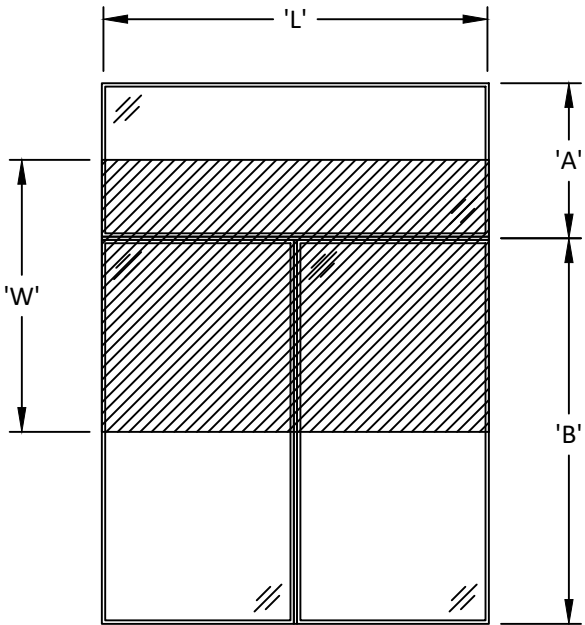


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DATE:	11.04.2025
DWG. BY:	MS
CHK. BY:	HFN
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DWG. #:	ELS013
SHEET:	21

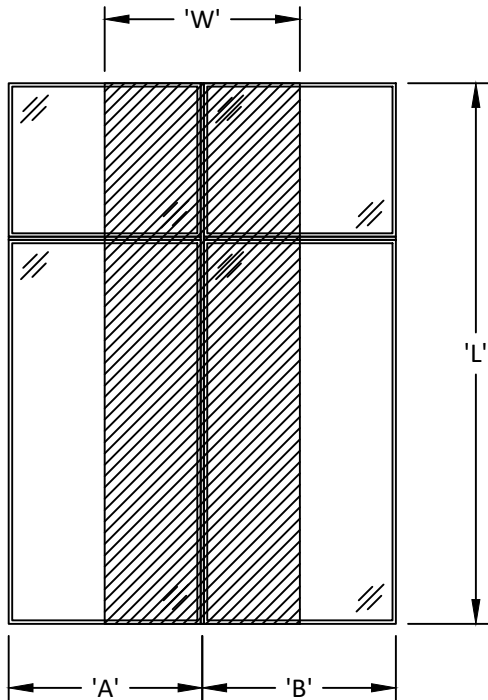
c:\users\mengasun\building drops - common\projects\euroline steel windows & doors\fbc-25-1047 - stand alone steel mullion details.dwg (e) 13.dwg 11/12/2025 3:17 PM



MULLION DETAIL
FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE



TWO-WAY MULLION DIAGRAM



TWO-WAY MULLION DIAGRAM

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

- NOTE:
- MULLION TABLES APPLIES TWO-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.
 - REFER TO SHEET 4 FOR ANCHOR TYPES.
 - REFER TO SHEET 4 FOR INSTALLATION DETAILS.
 - 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.

DESIGN PRESSURE TABLE (+/- PSF) - FT 1401042TF-14 W/ 1" x 1.5" x 1/8" TUBE, TWO-WAY MULLION															
'L' - SPAN LENGTH (IN.)	'W' - TRIBUTARY WIDTH (IN.)														
	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132
48	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.95	58.18
60	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.63	57.60	54.86	52.36
66	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	61.60	58.18	55.12	52.36	49.87	47.60
72	65.00	65.00	65.00	65.00	65.00	65.00	65.00	64.00	60.00	56.47	53.33	50.53	48.00	45.71	43.64
78	65.00	65.00	65.00	65.00	65.00	65.00	63.30	59.08	55.38	52.13	49.23	46.64	44.31	42.20	40.28
84	65.00	65.00	65.00	65.00	65.00	63.30	58.78	54.86	51.43	48.40	45.71	43.31	41.14	39.18	37.40
90	65.00	65.00	65.00	65.00	64.00	59.08	54.86	51.20	48.00	45.18	42.67	40.42	38.40	36.57	34.91
96	65.00	65.00	65.00	65.00	60.00	55.38	51.43	48.00	45.00	42.35	40.00	37.89	36.00	34.29	32.73
102	65.00	65.00	65.00	61.60	56.47	52.13	48.40	45.18	42.35	39.86	37.65	35.67	33.88	32.27	30.80
108	65.00	65.00	64.00	58.18	53.33	49.23	45.71	42.67	40.00	37.65	35.56	33.68	32.00	30.48	29.09
114	65.00	65.00	60.63	55.12	50.53	46.64	43.31	40.42	37.89	35.67	33.68	31.91	30.32	28.87	27.56
120	65.00	64.00	57.60	52.36	48.00	44.31	41.14	38.40	36.00	33.88	32.00	30.32	28.80	27.43	26.18
126	65.00	60.95	54.86	49.87	45.71	42.20	39.18	36.57	34.29	32.27	30.48	28.87	27.43	26.12	24.94
132	65.00	58.18	52.36	47.60	43.64	40.28	37.40	34.91	32.73	30.80	29.09	27.56	26.18	24.94	23.80
138	62.61	55.65	50.09	45.53	41.74	38.53	35.78	33.39	31.30	29.46	27.83	26.36	25.04	23.85	22.77
144	60.00	53.33	48.00	43.64	40.00	36.92	34.29	32.00	30.00	28.24	26.67	25.26	24.00	22.86	21.82
150	57.60	51.20	46.08	41.89	38.40	35.45	32.91	30.72	28.80	27.11	25.60	24.25	23.04	21.94	20.95
156	55.38	49.23	44.31	40.28	36.92	34.08	31.65	29.54	27.69	26.06	24.62	23.32	22.15	21.10	20.14
162	53.33	47.41	42.67	38.79	35.56	32.82	30.48	28.44	26.67	25.10	23.70	22.46	21.33	20.32	19.39
168	51.43	45.71	41.14	37.40	34.29	31.65	29.39	27.43	25.71	24.20	22.86	21.65	20.57	19.59	18.70
174	49.66	44.14	39.72	36.11	33.10	30.56	28.37	26.48	24.83	23.37	22.07	20.91	19.86	18.92	18.06
180	48.00	42.67	38.40	34.91	32.00	29.54	27.43	25.60	24.00	22.59	21.33	20.21	19.20	18.29	17.45
186	46.45	41.29	37.16	33.78	30.97	28.59	26.54	24.77	23.23	21.86	20.65	19.56	18.58	17.70	16.89
192	45.00	40.00	36.00	32.73	30.00	27.69	25.71	24.00	22.50	21.18	20.00	18.95	18.00	17.14	16.36
198	43.49	38.66	34.79	31.63	28.99	26.76	24.85	23.19	21.74	20.47	19.33	18.31	17.40	16.57	15.81
204	40.97	36.42	32.77	29.80	27.31	25.21	23.41	21.85	20.48	19.28	18.21	17.25	16.39	15.61	14.90
210	38.66	34.36	30.93	28.12	25.77	23.79	22.09	20.62	19.33	18.19	17.18	16.28	15.46	14.73	14.06
216	36.54	32.48	29.23	26.58	24.36	22.49	20.88	19.49	18.27	17.20	16.24	15.39	14.62	13.92	13.29

NOTE: THIS TABLE APPLIES TO ANCHOR TYPE D. SEE SHEET 4 FOR ANCHOR TYPES AND SPECIFICATIONS.



22600 SAVI RANCH PKWY
YORBA LINDA, CA 92887
PH: (877) 590-2714

TITLE:
SERIES 900 STEEL MULLION -
BAR & WELD INSTALLATION
(WZ3) (IMPACT)

MULLION DESIGN PRESSURE TABLE

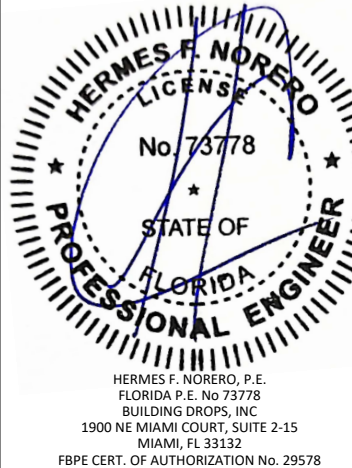
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
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PH: (954) 399-8478
FAX: (954) 744-4738
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BUILDING DROPS

REMARKS	BY	DATE

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.



FL #:
FL47873

DATE:
11.04.2025

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
ELS013

SHEET: