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PALM CITY IRONWORKS, INC.

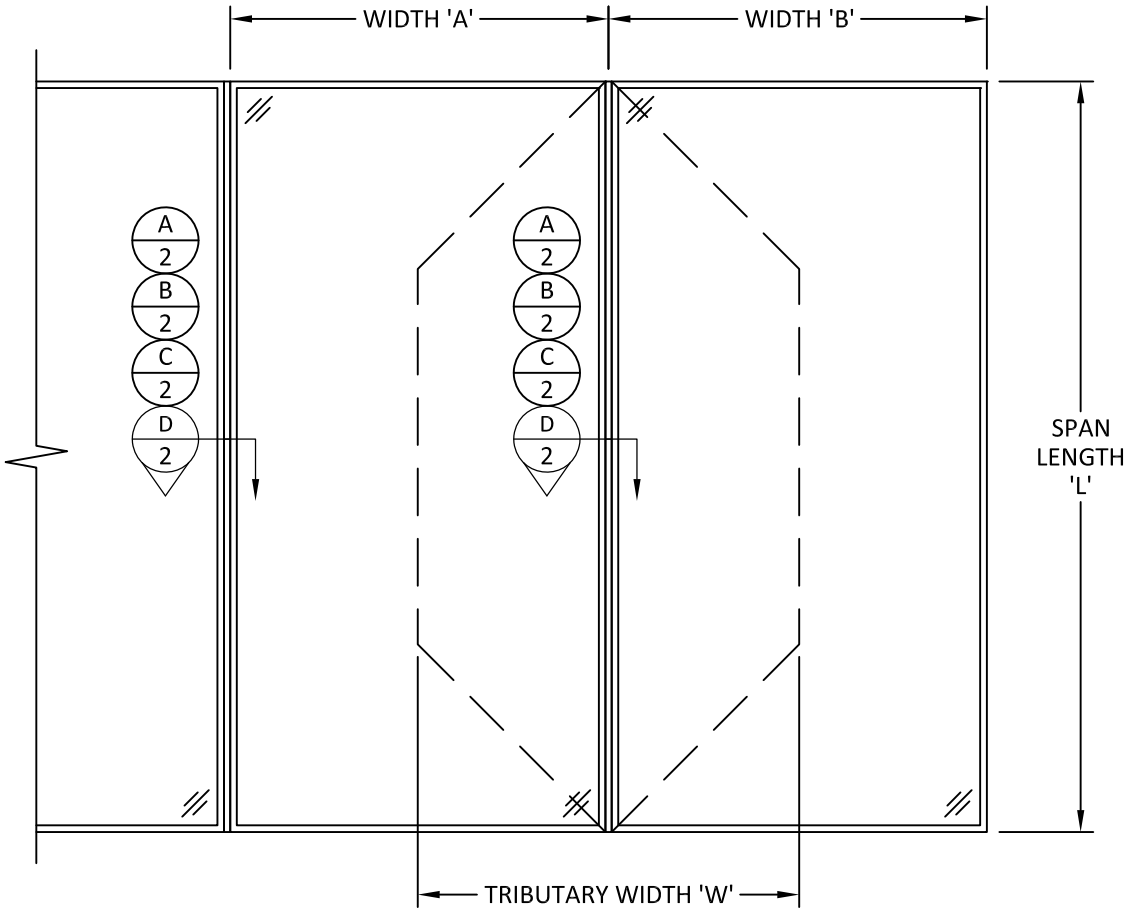
CORNER & ANGLED STEEL MULLION

(WZ3) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 8TH EDITION (2023) FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - FBC SECTION 1709.8
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: Q235B STEEL.
8. SEE SHEET 3 FOR INSTALLATION ANCHOR REQUIREMENTS, SEE SHEETS 4 - 7 FOR MULLION DESIGN LOADS CAPACITIES.

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7	TWO-WAY MULLION DESIGN PRESSURE TABLES



TYPICAL ELEVATION

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



3160 KUTAK ROAD
FORT MYERS, FL 33916
PH: (239) 691-8400

TITLE:
CORNER & ANGLED STEEL MULLION
(WZ3) (IMPACT)

GENERAL NOTES & TYPICAL ELEVATION

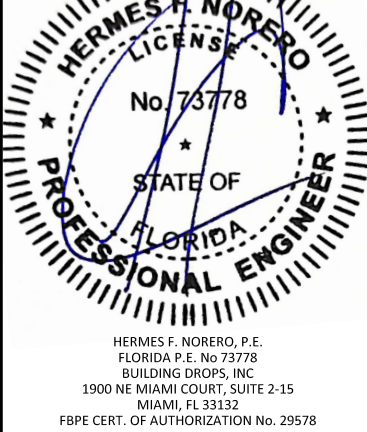
PREPARED BY:

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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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.04.22 17:07:08 -0400



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FL47017

DATE:
04.01.2025

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MS

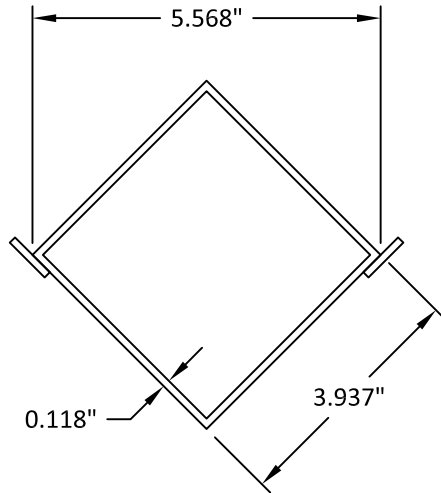
CHK. BY:
HFN

SCALE:
NTS

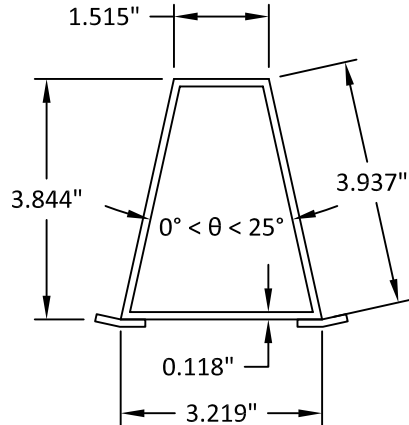
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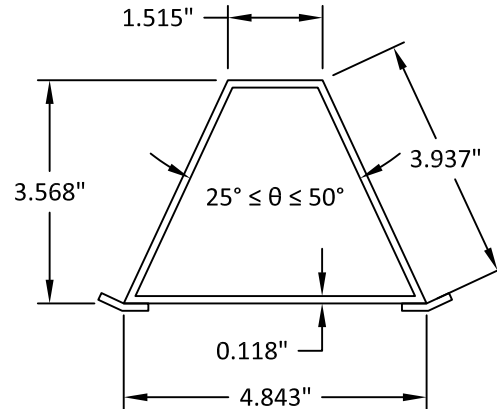
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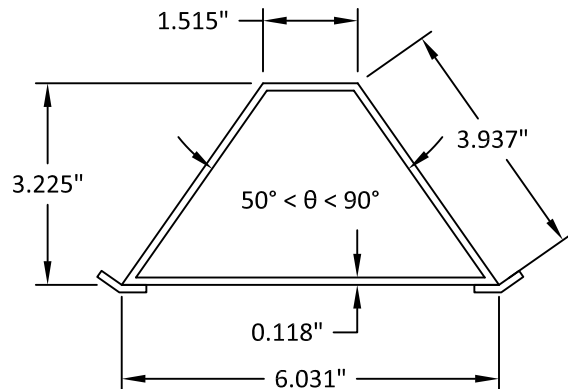
A
2 SECTION DETAILS
CORNER MULLION



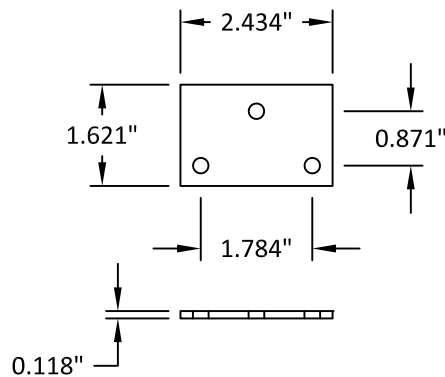
B
2 SECTION DETAILS
ANGLED MULLION
0° - 25°



C
2 SECTION DETAILS
ANGLED MULLION
25° - 50°



D
2 SECTION DETAILS
ANGLED MULLION
50° - 90°



E
2 SECTION DETAILS
MULLION CLIP



3160 KUTAK ROAD
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TITLE:
CORNER & ANGLED STEEL MULLION
(WZ3) (IMPACT)
MULLION & CLIP SECTION DETAILS

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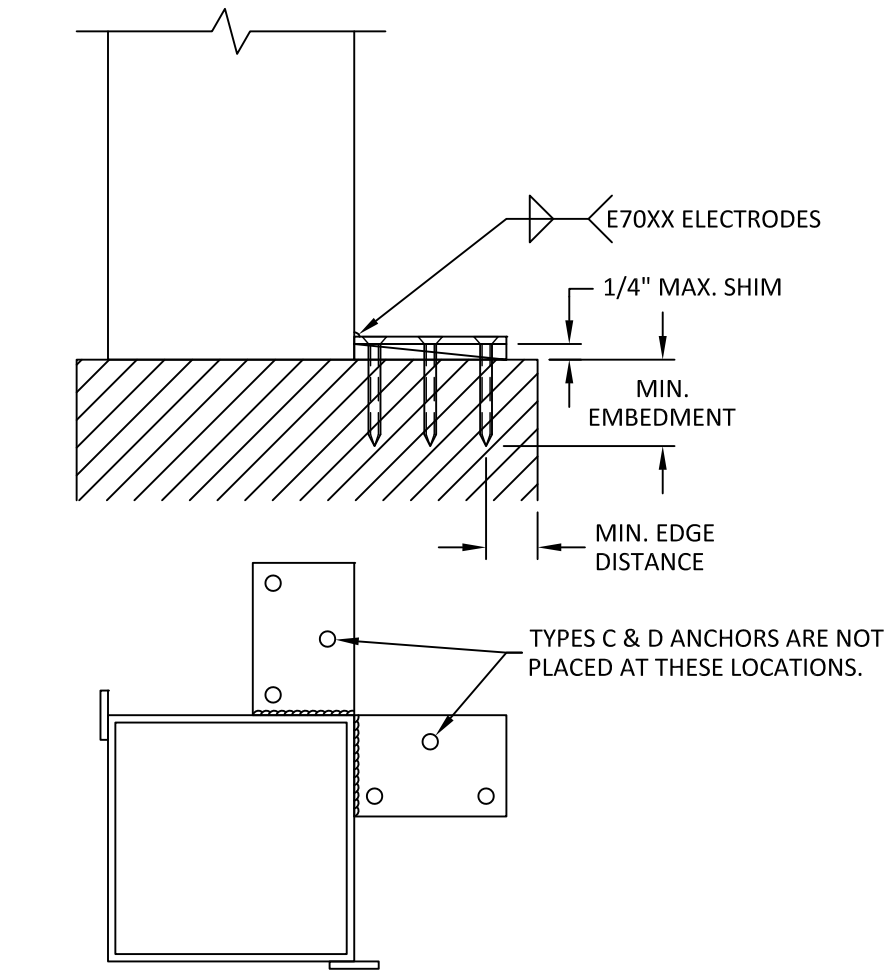
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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
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FBPE CERT. OF AUTHORIZATION No. 29578

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MS	HFN
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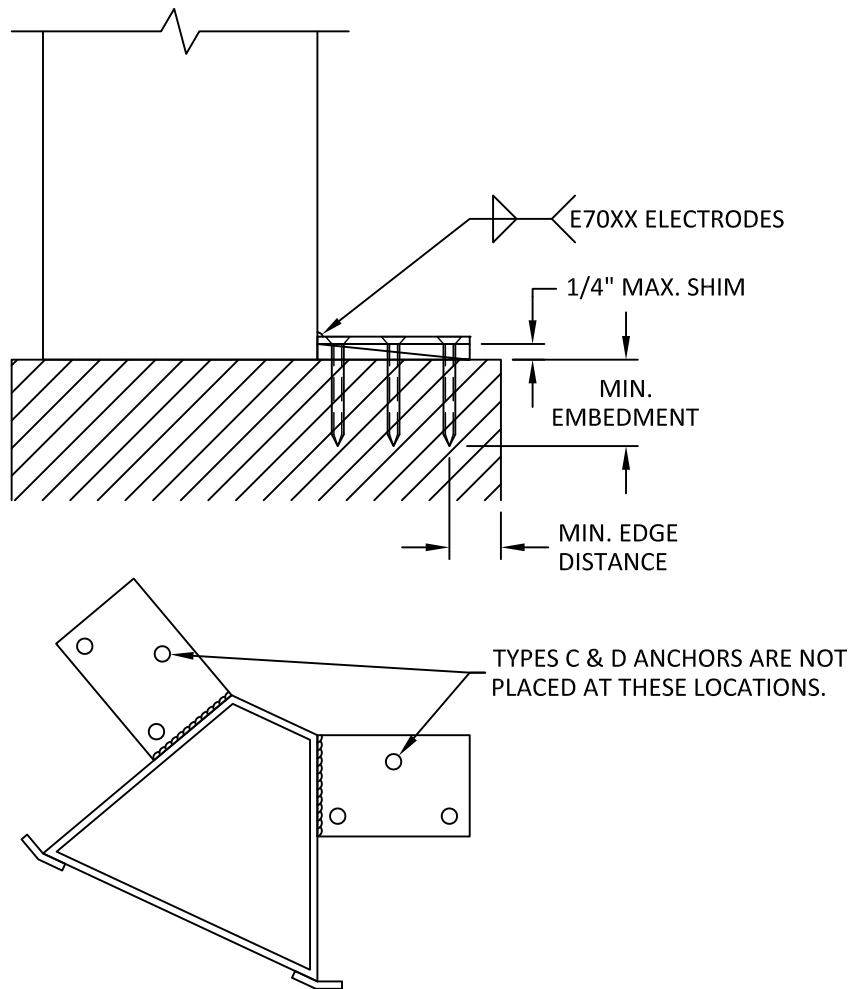
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F
3 INSTALLATION DETAILS
CORNER MULLION

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.
- 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.



G
3 INSTALLATION DETAILS
ANGLED MULLION

ANCHOR SCHEDULE				
TYPE	ANCHOR	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	#14 FH WOOD SCREW	WOOD: MIN. S.G. = 0.55	1-1/2"	1"
B	#12 GRADE 5 FH SELF-DRILLING/ SELF-TAPPING SCREW	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
		ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5 ALLOY		
C	1/4" DEWALT ULTRACON+	UNCRAKED CONCRETE, MIN. f'c = 3000 psi	1-3/4"	2-1/2"
D	1/4" DEWALT ULTRACON+	HOLLOW OR GROUT- FILLED CMU per ASTM C90, MIN. 2000 PSI	1-3/4"	2-1/2"



3160 KUTAK ROAD
FORT MYERS, FL 33916
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TITLE:
CORNER & ANGLED STEEL MULLION
(WZ3) (IMPACT)

INSTALLATION NOTES & DETAILS

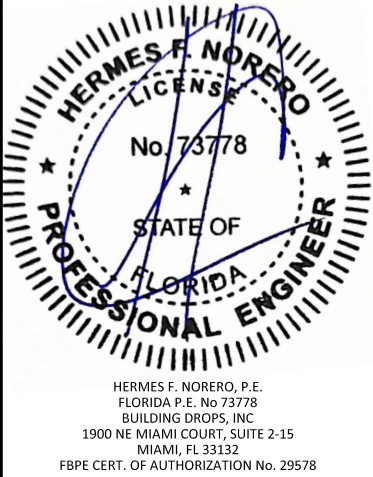
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REMARKS	BY	DATE

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

SCALE: **NTS**

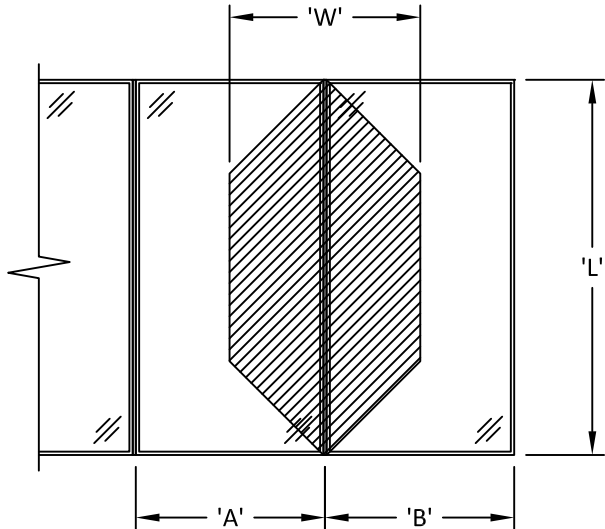
DWG. #: **PCI023**

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DESIGN PRESSURE TABLE - ONE-WAY CORNER MULLION ANCHOR TYPES A, B, & C									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
96	100.00	100.00	100.00	100.00	96.56	87.96	81.41	76.42	72.63
108	100.00	100.00	96.84	84.17	74.87	67.82	62.37	58.10	54.74
120	100.00	92.57	77.87	67.50	59.84	54.00	49.44	45.82	42.92
132	94.68	76.22	64.01	55.38	48.98	44.08	40.23	37.15	34.65
144	79.42	63.87	53.57	46.27	40.85	36.69	33.41	30.77	28.61
156	67.58	54.30	45.50	39.26	34.61	31.04	28.21	25.93	24.06

DESIGN PRESSURE TABLE - ONE-WAY CORNER MULLION ANCHOR TYPE D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84	100.00	100.00	100.00	100.00	96.00	89.82	85.33	82.14	80.00
96	100.00	100.00	98.46	87.77	80.00	74.20	69.82	66.49	64.00
108	100.00	99.10	85.33	75.67	68.57	63.21	59.08	55.85	53.33
120	100.00	87.77	75.29	66.49	59.84	54.00	49.44	45.82	42.92
132	94.68	76.22	64.01	55.38	48.98	44.08	40.23	37.15	34.65
144	79.42	63.87	53.57	46.27	40.85	36.69	33.41	30.77	28.61
156	67.58	54.30	45.50	39.26	34.61	31.04	28.21	25.93	24.06



ONE-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE - ONE-WAY 0° - 25° ANGLED MULLION ANCHOR TYPES A, B, C, & D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84	100.00	100.00	100.00	100.00	96.00	88.43	82.68	78.54	75.73
96	100.00	100.00	91.87	80.17	71.64	65.26	60.40	56.69	53.88
108	100.00	85.21	71.85	62.45	55.55	50.32	46.27	43.10	40.61
120	85.20	68.68	57.77	50.08	44.40	40.06	36.68	33.99	31.84
132	70.24	56.55	47.49	41.08	36.34	32.70	29.84	27.56	25.71
144	58.92	47.39	39.74	34.33	30.31	27.22	24.78	22.83	21.23
156	46.76	37.61	31.55	27.25	24.06	21.61	19.67	18.12	16.84

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 WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - REFER TO SHEET 3 FOR ANCHOR TYPE FOR EACH TABLE.
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.



3160 KUTAK ROAD
FORT MYERS, FL 33916
PH: (239) 691-8400

TITLE:
CORNER & ANGLED STEEL MULLION
(WZ3) (IMPACT)

ONE-WAY MULLION
DESIGN PRESSURE TABLES

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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BUILDING DROPS

REMARKS	BY	DATE

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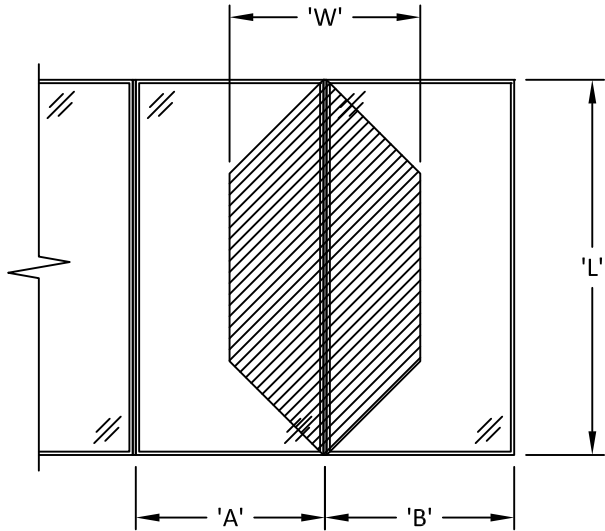
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DESIGN PRESSURE TABLE - ONE-WAY 25° - 50° ANGLED MULLION ANCHOR TYPES A, B, C, & D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84	100.00	100.00	100.00	100.00	96.00	89.82	85.33	82.14	80.00
96	100.00	100.00	98.46	86.81	77.58	70.66	65.41	61.39	58.35
108	100.00	92.27	77.80	67.62	60.15	54.48	50.10	46.67	43.97
120	92.25	74.37	62.56	54.23	48.08	43.38	39.72	36.81	34.48
132	76.06	61.23	51.43	44.49	39.35	35.41	32.32	29.84	27.84
144	63.80	51.31	43.04	37.17	32.82	29.48	26.84	24.72	22.99
156	54.29	43.63	36.56	31.54	27.81	24.93	22.66	20.83	19.33

DESIGN PRESSURE TABLE - ONE-WAY 50° - 90° ANGLED MULLION ANCHOR TYPES A, B, C, & D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
84	100.00	100.00	100.00	100.00	91.04	83.63	78.20	74.29	71.63
96	100.00	100.00	86.89	75.82	67.76	61.72	57.13	53.62	50.96
108	99.80	80.60	67.95	59.07	52.54	47.59	43.76	40.77	38.41
120	80.58	64.96	54.64	47.37	41.99	37.89	34.69	32.15	30.12
132	66.44	53.49	44.92	38.86	34.37	30.93	28.23	26.07	24.31
144	55.73	44.82	37.59	32.47	28.67	25.75	23.44	21.59	20.08
156	44.20	35.55	29.82	25.76	22.74	20.43	18.60	17.12	15.92



ONE-WAY MULLION DIAGRAM

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

- NOTE:
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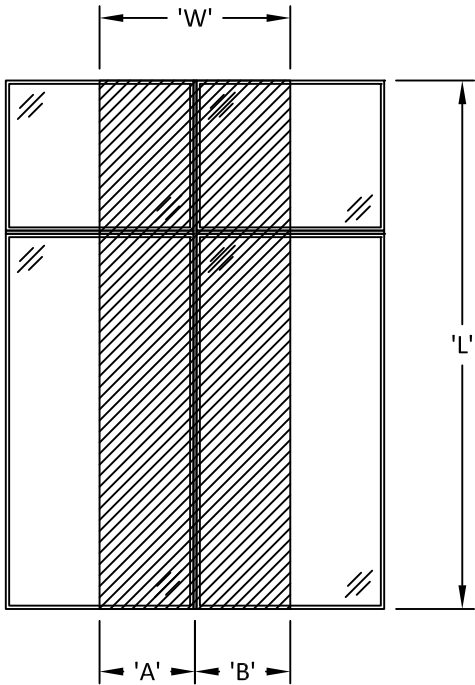
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DESIGN PRESSURE TABLE - TWO-WAY CORNER MULLION ANCHOR TYPES A, B, & C									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	95.56
84	100.00	100.00	100.00	100.00	100.00	100.00	92.49	84.08	77.08
96	100.00	100.00	100.00	100.00	88.52	78.68	70.81	64.38	59.01
108	100.00	100.00	93.25	79.93	69.94	62.17	55.95	50.86	46.63
120	100.00	90.64	75.53	64.74	56.65	50.36	45.32	41.20	37.77
132	93.64	74.91	62.43	53.51	46.82	41.62	37.46	34.05	31.21
144	78.68	62.95	52.45	44.96	39.34	34.97	31.47	28.61	26.23
156	67.04	53.63	44.69	38.31	33.52	29.80	26.82	24.38	22.35

DESIGN PRESSURE TABLE - TWO-WAY CORNER MULLION ANCHOR TYPE D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	96.00	87.27	80.00
60	100.00	100.00	100.00	100.00	96.00	85.33	76.80	69.82	64.00
72	100.00	100.00	100.00	91.43	80.00	71.11	64.00	58.18	53.33
84	100.00	100.00	91.43	78.37	68.57	60.95	54.86	49.87	45.71
96	100.00	96.00	80.00	68.57	60.00	53.33	48.00	43.64	40.00
108	100.00	85.33	71.11	60.95	53.33	47.41	42.67	38.79	35.56
120	96.00	76.80	64.00	54.86	48.00	42.67	38.40	34.91	32.00
132	87.27	69.82	58.18	49.87	43.64	38.79	34.91	31.74	29.09
144	78.68	62.95	52.45	44.96	39.34	34.97	31.47	28.61	26.23
156	67.04	53.63	44.69	38.31	33.52	29.80	26.82	24.38	22.35



TWO-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE - TWO-WAY 0° - 25° ANGLED MULLION ANCHOR TYPES A, B, & C									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	93.40	84.91	77.83
84	100.00	100.00	100.00	98.03	85.77	76.24	68.62	62.38	57.18
96	100.00	100.00	87.56	75.05	65.67	58.37	52.54	47.76	43.78
108	100.00	83.02	69.18	59.30	51.89	46.12	41.51	37.74	34.59
120	84.06	67.25	56.04	48.03	42.03	37.36	33.62	30.57	28.02
132	69.47	55.58	46.31	39.70	34.74	30.88	27.79	25.26	23.16
144	58.37	46.70	38.92	33.36	29.19	25.94	23.35	21.23	19.46
156	46.32	37.05	30.88	26.47	23.16	20.59	18.53	16.84	15.44

DESIGN PRESSURE TABLE - TWO-WAY 0° - 25° ANGLED MULLION ANCHOR TYPE D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	96.00	87.27	80.00
60	100.00	100.00	100.00	100.00	96.00	85.33	76.80	69.82	64.00
72	100.00	100.00	100.00	91.43	80.00	71.11	64.00	58.18	53.33
84	100.00	100.00	91.43	78.37	68.57	60.95	54.86	49.87	45.71
96	100.00	96.00	80.00	68.57	60.00	53.33	48.00	43.64	40.00
108	100.00	83.02	69.18	59.30	51.89	46.12	41.51	37.74	34.59
120	84.06	67.25	56.04	48.03	42.03	37.36	33.62	30.57	28.02
132	69.47	55.58	46.31	39.70	34.74	30.88	27.79	25.26	23.16
144	58.37	46.70	38.92	33.36	29.19	25.94	23.35	21.23	19.46
156	46.32	37.05	30.88	26.47	23.16	20.59	18.53	16.84	15.44

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 WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - REFER TO SHEET 3 FOR ANCHOR TYPE FOR EACH TABLE.
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.



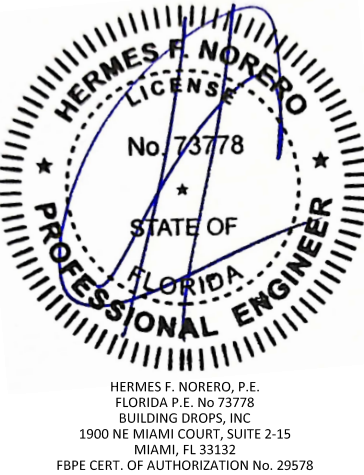
3160 KUTAK ROAD
FORT MYERS, FL 33916
PH: (239) 691-8400

TITLE:
CORNER & ANGLED STEEL MULLION
(WZ3) (IMPACT)
TWO-WAY MULLION
DESIGN PRESSURE TABLES

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

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 #:
FL47017

DATE:
04.01.2025

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

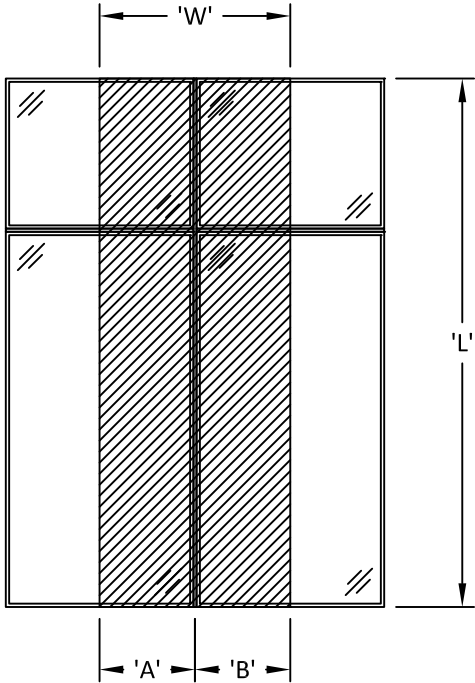
DWG. #:
PCI023

SHEET:
6

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DESIGN PRESSURE TABLE - TWO-WAY 25° - 50° ANGLED MULLION ANCHOR TYPES A, B, & C									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	91.94	84.28
84	100.00	100.00	100.00	100.00	92.88	82.56	74.30	67.55	61.92
96	100.00	100.00	94.82	81.27	71.11	63.21	56.89	51.72	47.41
108	100.00	89.90	74.92	64.21	56.19	49.94	44.95	40.86	37.46
120	91.02	72.82	60.68	52.01	45.51	40.45	36.41	33.10	30.34
132	75.23	60.18	50.15	42.99	37.61	33.43	30.09	27.35	25.08
144	63.21	50.57	42.14	36.12	31.61	28.09	25.28	22.99	21.07
156	53.86	43.09	35.91	30.78	26.93	23.94	21.54	19.59	17.95

DESIGN PRESSURE TABLE - TWO-WAY 25° - 50° ANGLED MULLION ANCHOR TYPE D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	96.00	87.27	80.00
60	100.00	100.00	100.00	100.00	96.00	85.33	76.80	69.82	64.00
72	100.00	100.00	100.00	91.43	80.00	71.11	64.00	58.18	53.33
84	100.00	100.00	91.43	78.37	68.57	60.95	54.86	49.87	45.71
96	100.00	96.00	80.00	68.57	60.00	53.33	48.00	43.64	40.00
108	100.00	85.33	71.11	60.95	53.33	47.41	42.67	38.79	35.56
120	91.02	72.82	60.68	52.01	45.51	40.45	36.41	33.10	30.34
132	75.23	60.18	50.15	42.99	37.61	33.43	30.09	27.35	25.08
144	63.21	50.57	42.14	36.12	31.61	28.09	25.28	22.99	21.07
156	53.86	43.09	35.91	30.78	26.93	23.94	21.54	19.59	17.95



TWO-WAY MULLION DIAGRAM

DESIGN PRESSURE TABLE - TWO-WAY 50° - 90° ANGLED MULLION ANCHOR TYPES A, B, & C									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
72	100.00	100.00	100.00	100.00	100.00	100.00	100.00	91.94	84.28
84	100.00	100.00	100.00	100.00	92.88	82.56	74.30	67.55	61.92
96	100.00	100.00	94.82	81.27	71.11	63.21	56.89	51.72	47.41
108	100.00	89.90	74.92	64.21	56.19	49.94	44.95	40.86	37.46
120	91.02	72.82	60.68	52.01	45.51	40.45	36.41	33.10	30.34
132	75.23	60.18	50.15	42.99	37.61	33.43	30.09	27.35	25.08
144	63.21	50.57	42.14	36.12	31.61	28.09	25.28	22.99	21.07
156	53.86	43.09	35.91	30.78	26.93	23.94	21.54	19.59	17.95

DESIGN PRESSURE TABLE - TWO-WAY 50° - 90° ANGLED MULLION ANCHOR TYPE D									
SPAN LENGTH 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)								
	24	30	36	42	48	54	60	66	72
36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
48	100.00	100.00	100.00	100.00	100.00	100.00	96.00	87.27	80.00
60	100.00	100.00	100.00	100.00	96.00	85.33	76.80	69.82	64.00
72	100.00	100.00	100.00	91.43	80.00	71.11	64.00	58.18	53.33
84	100.00	100.00	91.43	78.37	68.57	60.95	54.86	49.87	45.71
96	100.00	96.00	80.00	68.57	60.00	53.33	48.00	43.64	40.00
108	100.00	85.33	71.11	60.95	53.33	47.41	42.67	38.79	35.56
120	91.02	72.82	60.68	52.01	45.51	40.45	36.41	33.10	30.34
132	75.23	60.18	50.15	42.99	37.61	33.43	30.09	27.35	25.08
144	63.21	50.57	42.14	36.12	31.61	28.09	25.28	22.99	21.07
156	53.86	43.09	35.91	30.78	26.93	23.94	21.54	19.59	17.95

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

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3160 KUTAK ROAD
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CORNER & ANGLED STEEL MULLION
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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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 #:
FL47017

DATE:
04.01.2025

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
PCI023

SHEET: