

EUROCRAFT INDUSTRIES INC.

EQUAL-LEG MULLION

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN HAS BEEN EVALUATED PER AAMA/WDMA/CSA 101/I.S.2/A440-11,TAS 201-94, TAS 202-94, TAS 203-94, ASTM E1886-13, ASTM E1996-14, AND IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING HVHZ.
2. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS. ADJOINING WINDOW AND DOORS SHALL BE EQUALLY RATED OR PROVIDED WITH AN IMPACT RESISTANT COVERING.
3. MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE EUROCRAFT PRODUCTS
4. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
5. 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.
6. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
7. MULLION MATERIAL: ALUMINUM 6063-T5
8. REINFORCEMENT: STEEL
9. SEE SHEETS 4-12 FOR INSTALLATION ANCHOR REQUIREMENTS , MULLION CONFIGURATIONS, AND DESIGN LOAD CAPACITIES.

INSTRUCTIONS:

1. DETERMINE REQUIRED DESIGN PRESSURE FOR OPENING.
2. CHOOSE A MULLION THAT PROPERLY FITS THE FENESTRATION PRODUCT.
3. DETERMINE WHETHER ASSEMBLY REQUIRES ONE-WAY OR TWO-WAY MULLIONS:
- ASSEMBLIES CONSISTING OF STACKED OR SIDE-BY-SIDE UNITS REQUIRE USE OF ONE-WAY MULLIONS.
 - ASSEMBLIES CONSISTING OF MULTIPLE UNITS MULLED TOGETHER WITH MULTIPLE MULLIONS REQUIRE USE OF TWO-WAY MULLIONS.
 - SEE SHEET 13 FOR ASSEMBLY AND LOAD EXAMPLES.
 - IF ASSEMBLY TYPE CANNOT BE DETERMINED USE TWO-WAY MULLION CHART.
4. VERIFY THAT MULLION DESIGN PRESSURE MEETS OR EXCEEDS REQUIRED DESIGN PRESSURE OF OPENING USING CHARTS ON SHEETS 5-12.
5. MULTIPLE ANCHOR TYPE/SUBSTRATE/COMBINATIONS WITHIN AN OPENING ARE ALLOWED.
6. THE LESSER DESIGN PRESSURE FOR MULLION OR FENESTRATION PRODUCT WILL GOVERN OVERALL ASSEMBLY DESIGN PRESSURE RATING.

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EQUAL LEG MULLION
(HVHZ)(IMPACT)

GENERAL NOTES & INSTRUCTIONS

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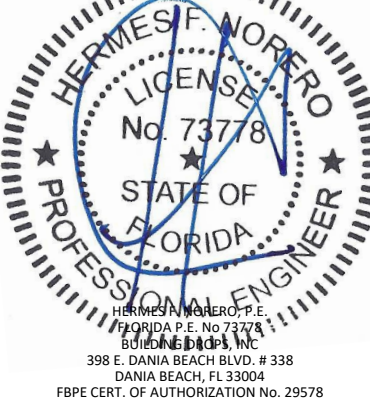
BUILDING DROPS, INC.

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REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.11 21:01:07 -05'00'



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FL32630

DATE:

06.11.2020

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CHK. BY:

HFN

SCALE:

NTS

DWG. #:

ECI027

SHEET:

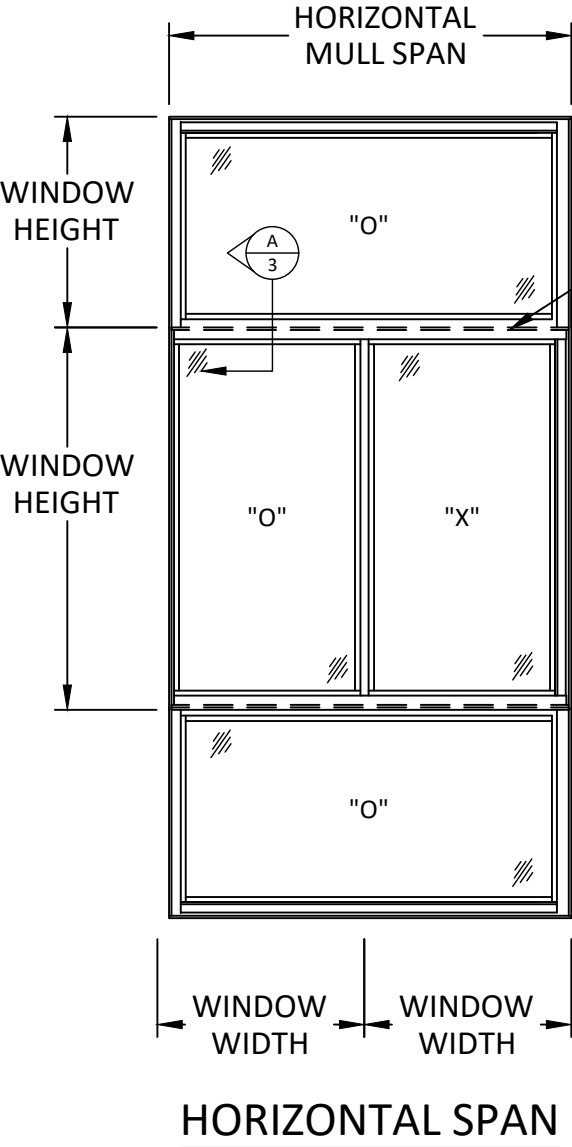
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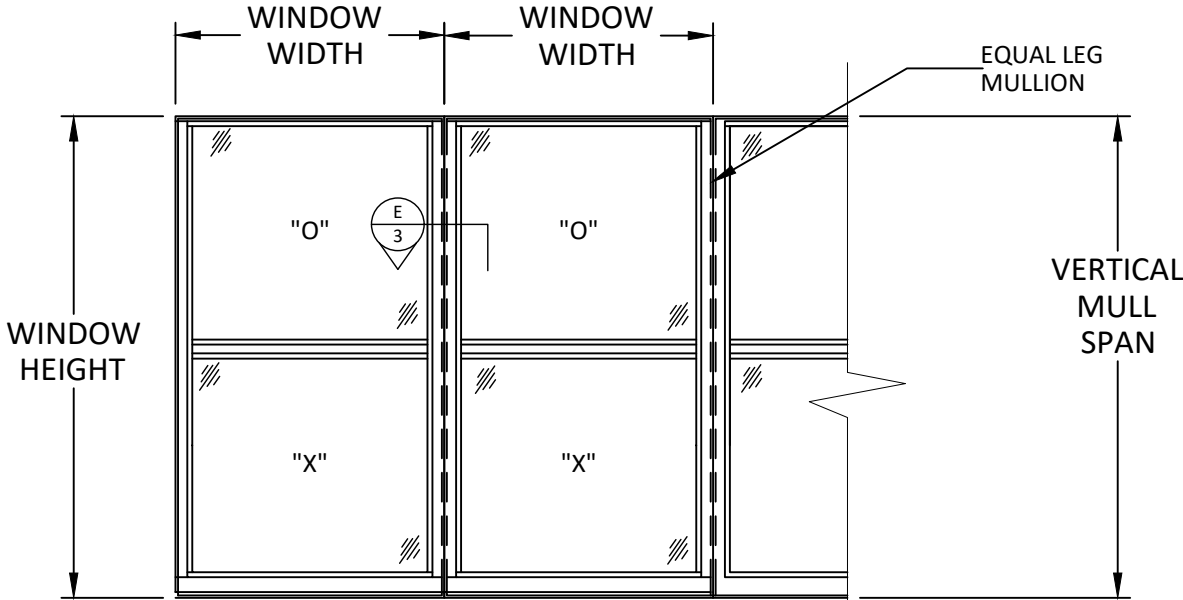
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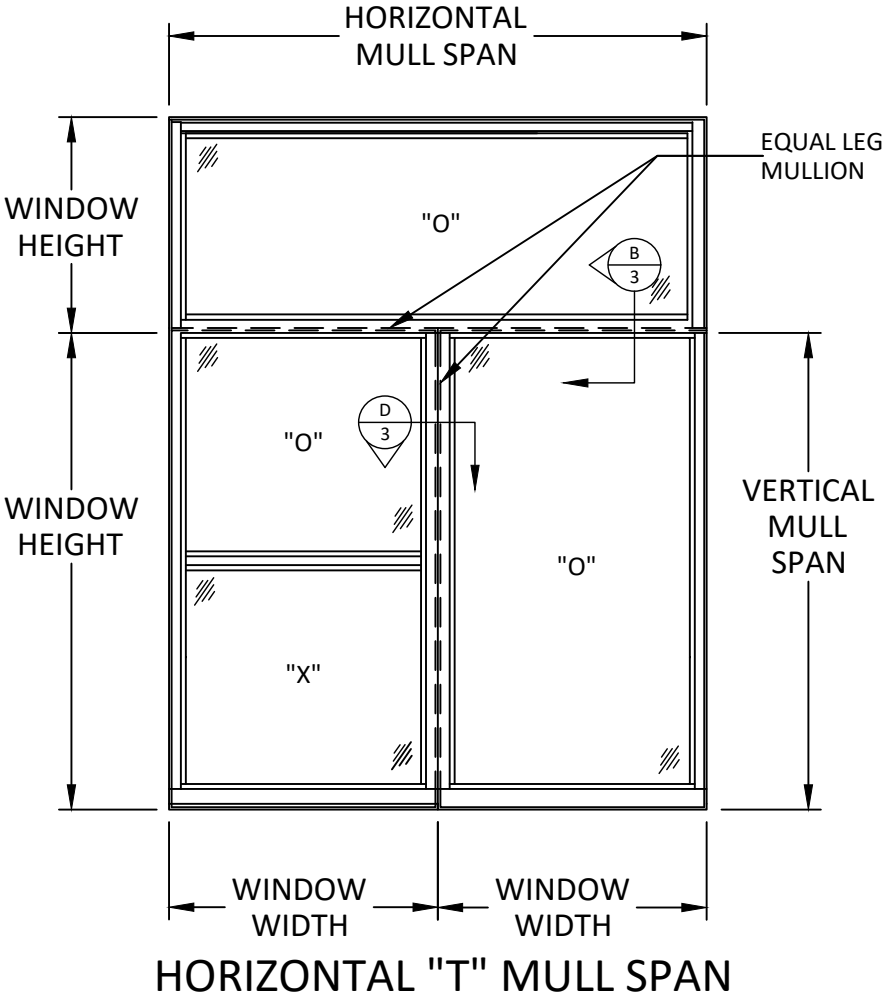
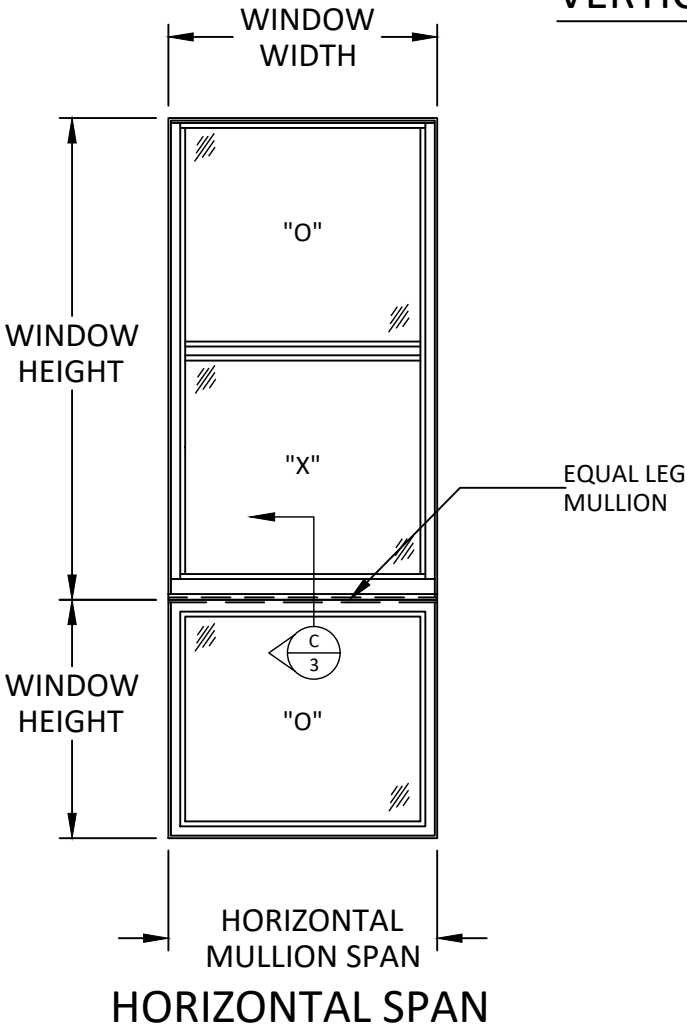
TYPICAL ELEVATIONS



EQUAL LEG MULLION



VERTICAL SPAN



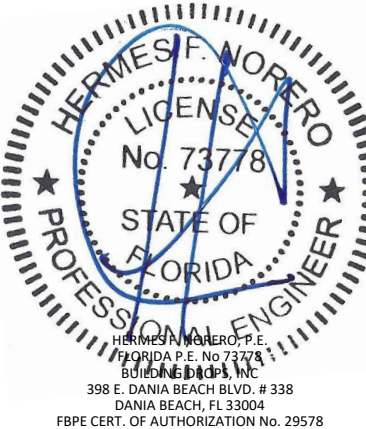
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TYPICAL ELEVATIONS

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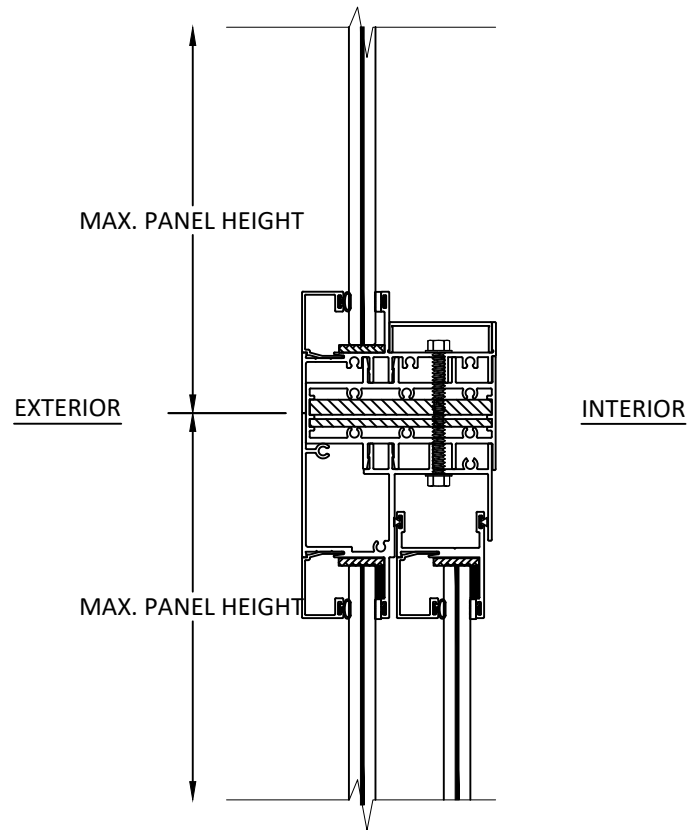
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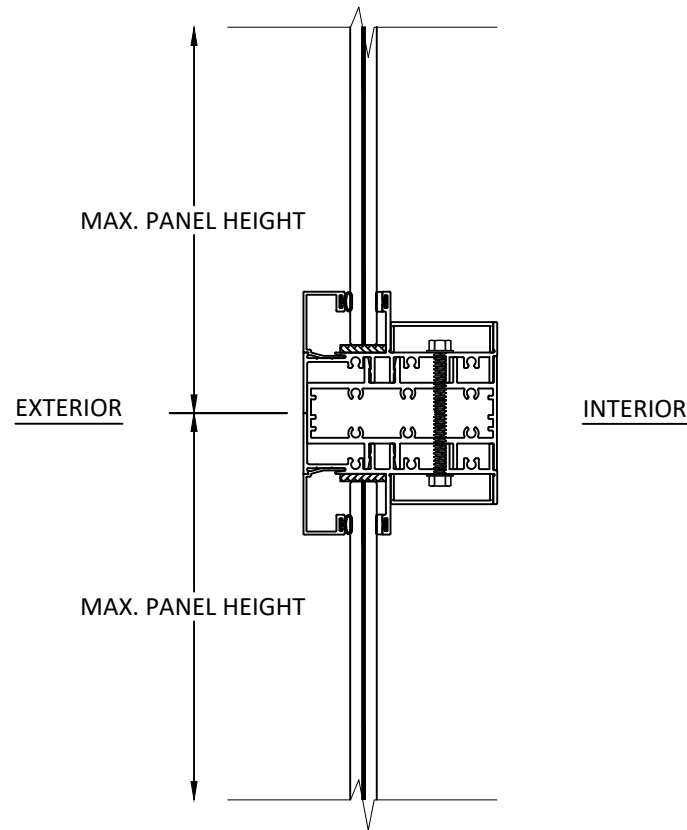


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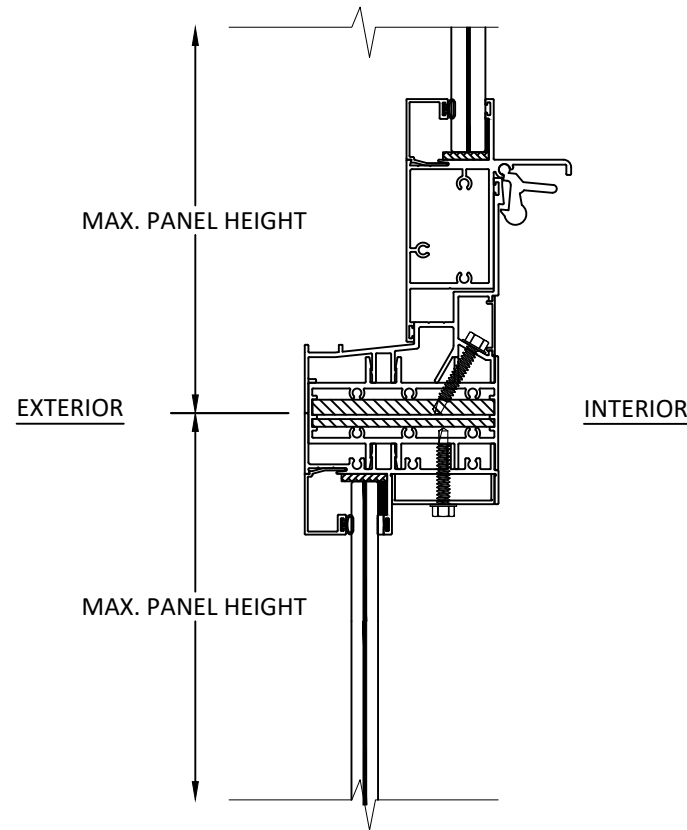
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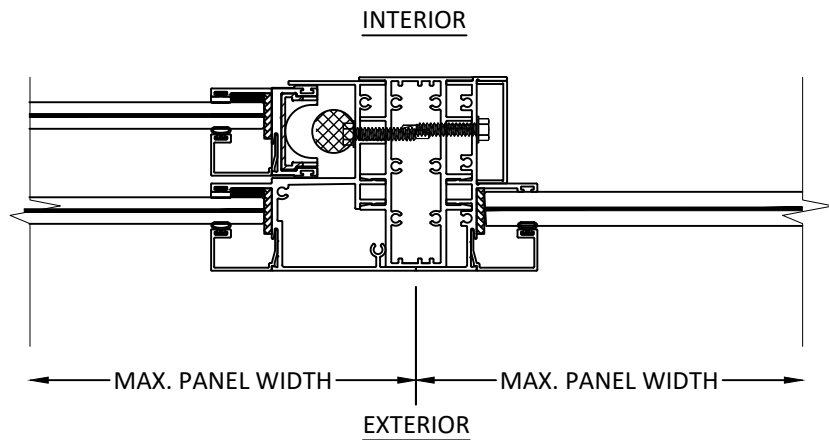
A
3 **VERTICAL SECTION**
EQUAL LEG WITH REINFORCEMENT



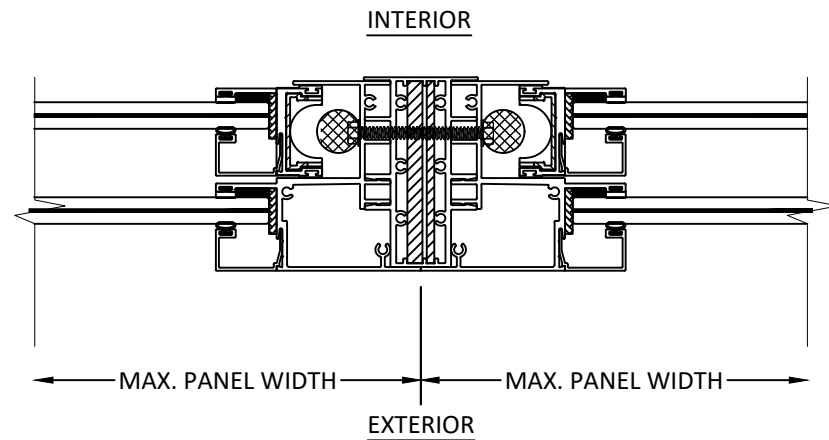
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3 **VERTICAL SECTION**
EQUAL LEG WITHOUT REINFORCEMENT



C
3 **VERTICAL SECTION**
EQUAL LEG WITH REINFORCEMENT



D
3 **HORIZONTAL SECTION**
EQUAL LEG WITHOUT REINFORCEMENT



E
3 **HORIZONTAL SECTION**
EQUAL LEG WITH REINFORCEMENT



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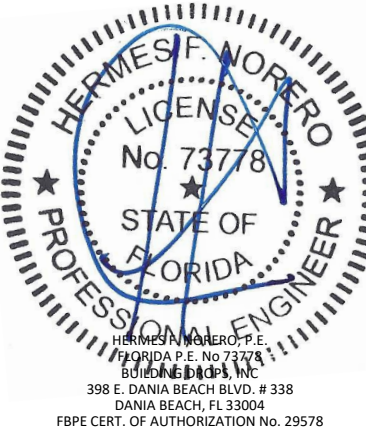
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VERTICAL AND HORIZONTAL
SECTIONS

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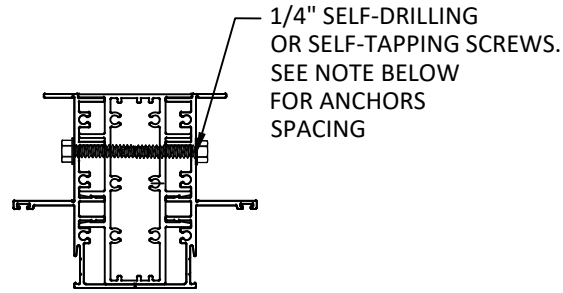
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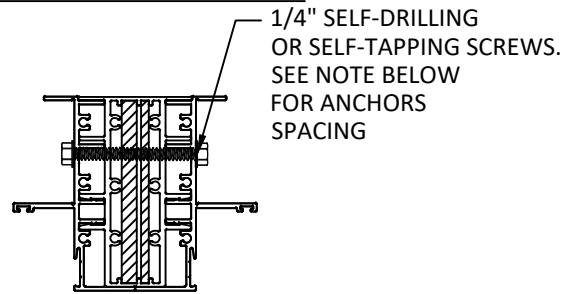


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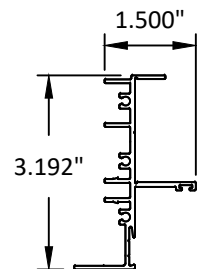


EQUAL LEG MULLION
WITHOUT REINFORCEMENT

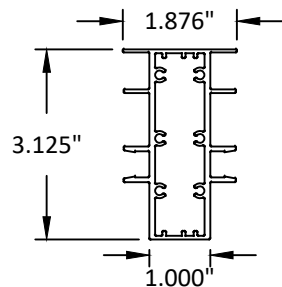


EQUAL LEG MULLION
REINFORCEMENT

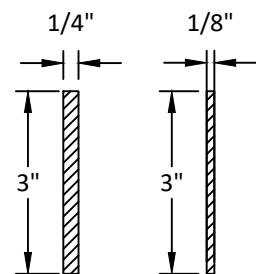
*ANCHOR SPACING IS DICTATED BY
ANCHOR LAYOUT OF UNITS ATTACHING
TO THE MULLION. SEE SEPARATE
PRODUCT APPROVAL FOR DETAILS



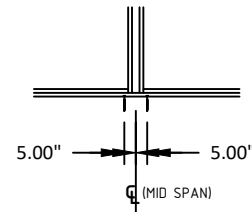
EQUAL LEG



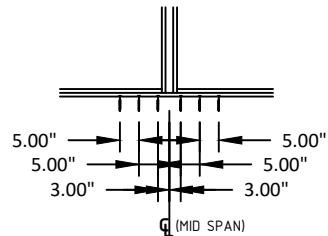
EQUAL LEG ADAPTER



A-36 STEEL
REINFORCEMENT

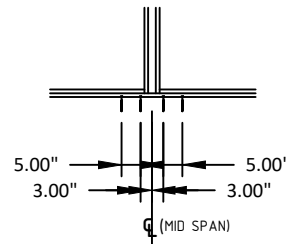


ANCHOR LAYOUT
A1, B1, C1, D1

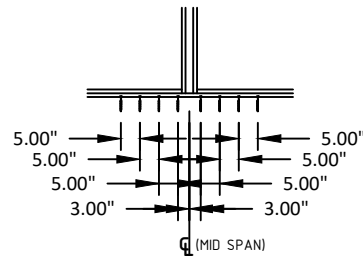


ANCHOR LAYOUT
A3, B3, C3, D3

* ANCHORS INSTALLED THROUGH FRAME.
MULLION DOES NOT REQUIRE INSTALLATION CLIP

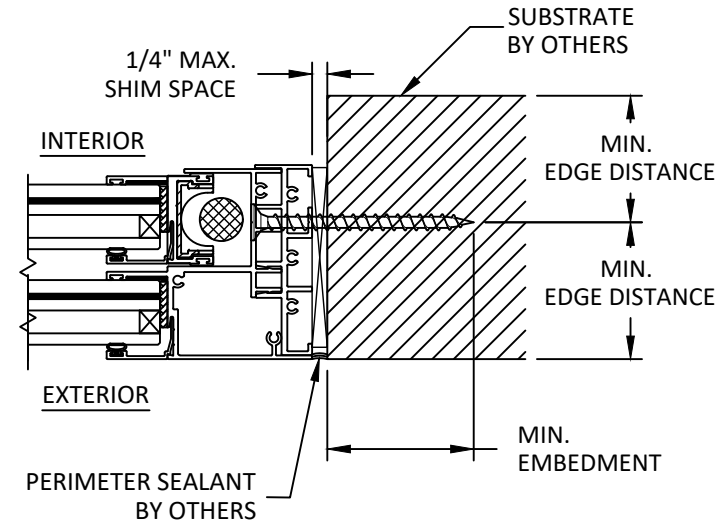


ANCHOR LAYOUT
A2, B2, C2, D2



ANCHOR LAYOUT
A4, B4, C4, D4

* ANCHORS INSTALLED THROUGH FRAME.
MULLION DOES NOT REQUIRE INSTALLATION CLIP



A
4

HORIZONTAL SECTION THROUGH FRAME (JAMB) - WITH EQUAL LEG

HEAD AND SILL SIMILAR

ANCHOR SCHEDULE					
METHOD	ANCHOR TYPE	SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	A	WOOD: MIN. SG = 0.55	1/4" ITW TAPCON	2.50"	1.00"
	B	CONCRETE: MIN. F'c = 3000 PSI	1/4" ITW TAPCON	1.75"	2.50"
	C	METAL: 18 GAUGE STEEL. MIN. FY = 33 KSI	1/4" TEK SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"
		METAL: ALUMINUM MIN. THICKNESS 1/8". MIN. 6063-T5			
	D	MASONRY: CMU PER ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	4.00"



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ANCHOR LAYOUT & COMPONENTS

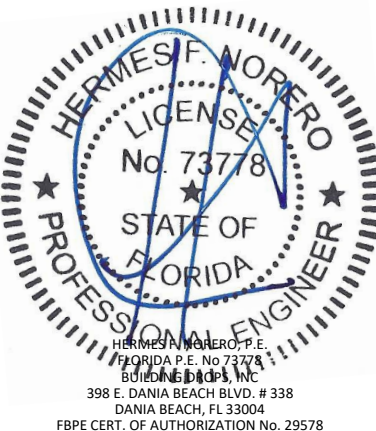
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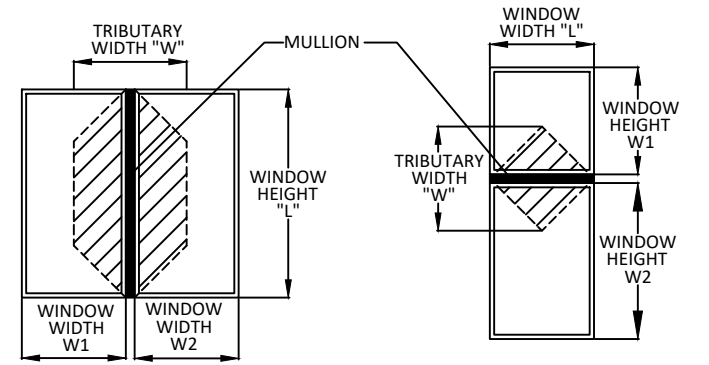
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EQUAL LEG MULLION (WITHOUTH REINFORCEMENT) ONE WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	120	93	120	87	82	120	120	120	120	120	120	120	120	120	120	120	120
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36		66	116	61	58	116	116	116	116	116	116	116	116	116	116	116	116
42		58	103	54	51	103	103	103	103	103	103	103	103	103	103	103	103
48		52	93	49	46	93	93	93	93	93	93	93	93	93	93	93	93
54		48	84	45	42	84	84	84	84	84	84	84	84	84	84	84	84
60		45	77	42	39	77	77	77	77	77	77	77	77	77	77	77	77
66		42	71	39	37	71	71	71	71	71	71	71	71	71	71	71	71
72		40	67	37	35	67	67	67	67	67	67	67	67	67	67	67	67
78		38	63	35	34	63	63	63	63	63	63	63	63	63	63	63	63
84	116	37	60	34	33	60	60	60	60	60	60	60	60	60	60	60	60
90		36	58	33	32	58	58	58	58	58	58	58	58	58	58	58	58
96		35	56	32	31	56	56	56	56	56	56	56	56	56	56	56	56
24		97	120	90	85	120	120	120	120	120	120	120	120	120	120	120	120
30		80	120	74	70	120	120	120	120	120	120	120	120	120	120	120	120
36		68	120	64	60	120	120	120	120	120	120	120	120	120	120	120	120
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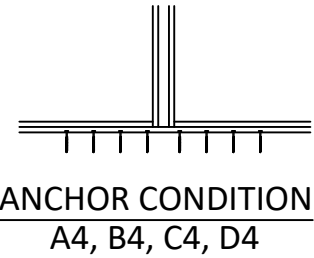
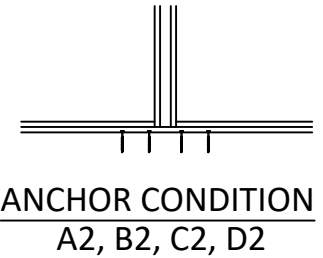
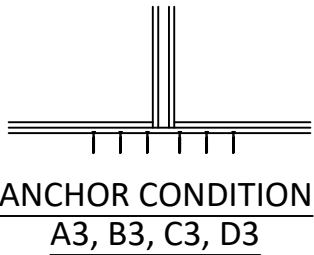
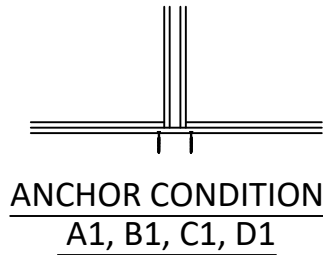


ONE-WAY MULLION DIAGRAMS

TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
- 2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- 3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- 4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
- 5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
- 6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS



7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

**EQUAL LEG MULLION
(HVHZ)(IMPACT)**

**ONE-WAY CONFIGURATION
(WITHOUT REINFORCEMENT)**

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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.

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

FL#:

FL32630

DATE:

06.11.2020

DWG. BY:

YC

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

EC1027

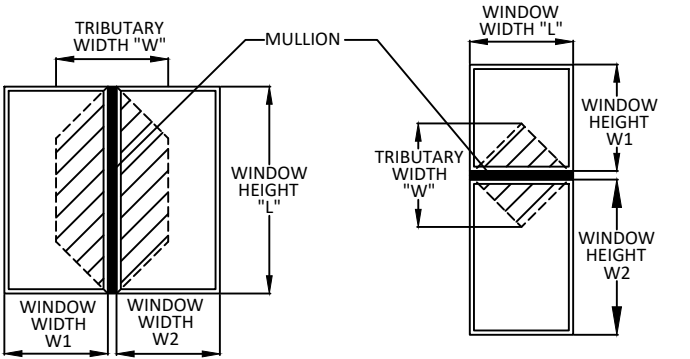
SHEET:

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OF 13

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EQUAL LEG MULLION (WITHOUTH REINFORCEMENT) ONE WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	100	114	120	106	101	120	120	120	120	120	120	120	120	120	120	120	120
30		95	120	88	84	120	120	120	120	120	120	120	120	120	120	120	120
36		82	120	76	72	120	120	120	120	120	120	120	120	120	120	120	120
42		73	120	68	64	120	120	120	120	120	120	120	120	120	120	120	120
48		66	117	61	58	117	117	117	117	117	117	117	117	117	117	117	117
54		61	108	57	54	108	108	108	108	108	108	108	108	108	108	108	108
60		57	102	53	51	102	102	102	101	102	102	102	102	102	102	102	102
66		55	97	51	48	97	97	97	96	97	97	97	97	97	97	97	97
72		52	93	49	46	93	93	93	93	93	93	93	93	93	93	93	93
78		51	90	47	45	90	90	90	90	90	90	90	90	90	90	90	90
84	96	50	88	46	44	88	88	88	87	88	88	88	88	88	88	88	88
90		49	86	45	43	86	86	86	86	86	86	86	86	86	86	86	86
96		48	86	45	43	86	86	86	85	86	86	86	86	86	86	86	86
24		120	120	111	106	120	120	120	120	120	120	120	120	120	120	120	120
30		99	120	92	88	120	120	120	120	120	120	120	120	120	120	120	120
36		86	120	80	76	120	120	120	120	120	120	120	120	120	120	120	120
42		77	120	71	68	120	120	120	120	120	120	120	120	120	120	120	120
48		70	120	65	62	120	120	120	120	120	120	120	120	120	120	120	120
54		65	115	60	57	115	115	115	114	115	115	115	115	115	115	115	115
60		61	108	57	54	108	108	108	108	108	108	108	108	108	108	108	108
66	92	58	103	54	51	103	103	103	103	103	103	103	103	103	103	103	103
72		56	99	52	49	99	99	99	99	99	99	99	99	99	99	99	99
78		54	96	50	48	96	96	96	96	96	96	96	96	96	96	96	96
84		53	94	49	47	94	94	94	94	94	94	94	94	94	94	94	94
90		53	93	49	46	93	93	93	93	93	93	93	93	93	93	93	93
96		52	93	49	46	93	93	93	93	93	93	93	93	93	93	93	93
24		120	120	117	111	120	120	120	120	120	120	120	120	120	120	120	120
30		105	120	97	92	120	120	120	120	120	120	120	120	120	120	120	120
36		91	120	84	80	120	120	120	120	120	120	120	120	120	120	120	120
42		81	120	75	71	120	120	120	120	120	120	120	120	120	120	120	120
48	88	74	120	69	65	120	120	120	120	120	120	120	120	120	120	120	120
54		69	120	64	61	120	120	120	120	120	120	120	120	120	120	120	120
60		65	115	60	57	115	115	115	115	115	115	115	115	115	115	115	115
66		62	110	58	55	110	110	110	109	110	110	110	110	110	110	110	110
72		60	106	56	53	106	106	106	106	106	106	106	106	106	106	106	106
78		58	103	54	52	103	103	103	103	103	103	103	103	103	103	103	103
84		57	102	53	51	102	102	102	101	102	102	102	102	102	102	102	102
90		57	101	53	50	101	101	101	101	101	101	101	101	101	101	101	101
96		52	98	49	46	101	101	97	93	101	101	101	101	101	101	101	101
24		120	120	120	117	120	120	120	120	120	120	120	120	120	120	120	120
30	84	110	120	102	97	120	120	120	120	120	120	120	120	120	120	120	120
36		96	120	89	85	120	120	120	120	120	120	120	120	120	120	120	120
42		86	120	80	76	120	120	120	120	120	120	120	120	120	120	120	120
48		79	120	73	69	120	120	120	120	120	120	120	120	120	120	120	120
54		73	120	68	65	120	120	120	120	120	120	120	120	120	120	120	120
60		69	120	64	61	120	120	120	120	120	120	120	120	120	120	120	120
66		67	118	62	59	118	118	118	117	118	118	118	118	118	118	118	118
72		65	114	60	57	114	114	114	114	114	114	114	114	114	114	114	114
78		63	112	59	56	112	112	112	112	112	112	112	112	112	112	112	112
84		62	111	58	55	111	111	111	110	111	111	111	111	111	111	111	111
90	80	60	110	55	53	110	110	110	105	110	110	110	110	110	110	110	110
96		52	98	49	46	105	110	97	93	110	110	110	110	110	110	110	110
24		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30		117	120	108	103	120	120	120	120	120	120	120	120	120	120	120	120
36		102	120	94	90	120	120	120	120	120	120	120	120	120	120	120	120
42		91	120	85	81	120	120	120	120	120	120	120	120	120	120	120	120
48		84	120	78	74	120	120	120	120	120	120	120	120	120	120	120	120
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66		72	120	67	63	120	120	120	120	120	120	120	120	120	120	120	120
72	76	70	120	65	62	120	120	120	120	120	120	120	120	120	120	120	120
78		69	120	64	61	120	120	120	120	120	120	120	120	120	120	120	120
84		68	120	64	60	120	120	120	120	120	120	120	120	120	120	120	120
90		60	112	55	53	119	120	111	105	120	120	120	120	120	120	120	120
96		52	98	49	46	105	118	97	93	118	118	118	118	118	118	118	118
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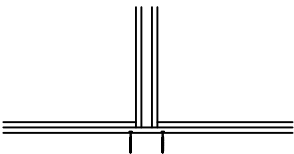


ONE-WAY MULLION DIAGRAMS

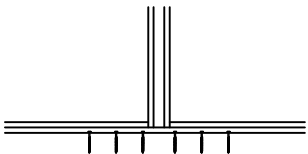
TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

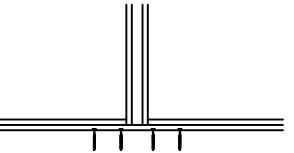
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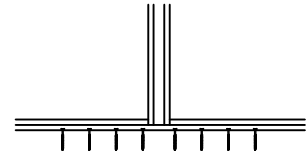
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4

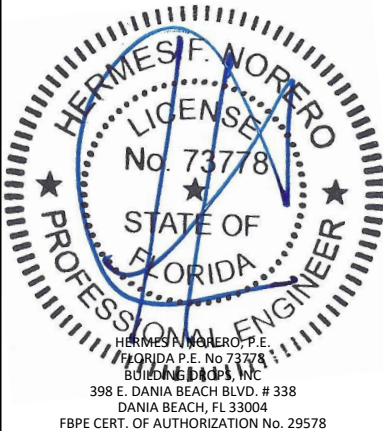


7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

TITLE:
EQUAL LEG MULLION
(HVHZ)(IMPACT)
ONE-WAY CONFIGURATION
(WITHOUT REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
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FL#: **FL32630**

DATE: **06.11.2020**

DWG. BY: **YC** CHK. BY: **HFN**

SCALE: **NTS**

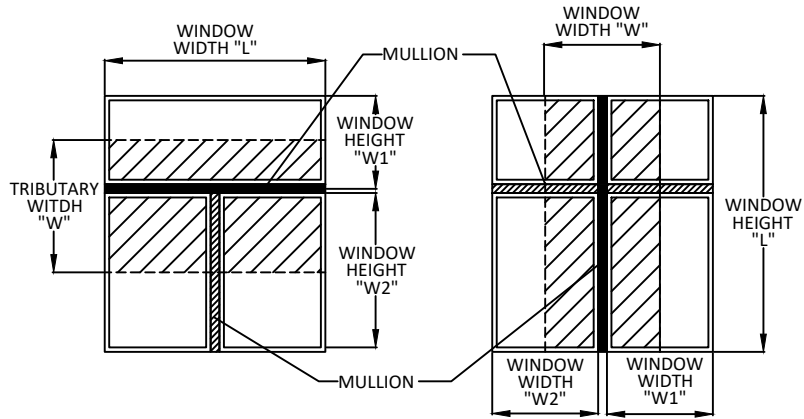
DWG. #: **EC1027**

SHEET:

12/17/2020 11:39 AM

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EQUAL LEG MULLION (WITHOUTH REINFORCEMENT) TWO WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	120	84	120	78	74	120	120	120	120	120	120	120	120	120	120	120	120
30		67	119	62	59	119	119	119	118	119	119	119	119	119	119	119	119
36		56	99	52	49	99	99	99	99	99	99	99	99	99	99	99	99
42		48	85	44	42	85	85	85	85	85	85	85	85	85	85	85	85
48		42	74	39	37	74	74	74	74	74	74	74	74	74	74	74	74
54		37	65	35	33	65	65	65	65	65	65	65	65	65	65	65	65
60		34	58	31	30	58	58	58	58	58	58	58	58	58	58	58	58
66		30	52	28	27	52	52	52	52	52	52	52	52	52	52	52	52
72		28	47	26	25	47	47	47	47	47	47	47	47	47	47	47	47
78		26	43	24	23	43	43	43	43	43	43	43	43	43	43	43	43
84	116	24	39	22	21	39	39	39	39	39	39	39	39	39	39	39	39
90		22	36	21	20	36	36	36	36	36	36	36	36	36	36	36	36
96		21	34	19	19	34	34	34	34	34	34	34	34	34	34	34	34
24		87	120	81	77	120	120	120	120	120	120	120	120	120	120	120	120
30		69	120	64	61	120	120	120	120	120	120	120	120	120	120	120	120
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42		50	88	46	44	88	88	88	87	88	88	88	88	88	88	88	88
48		43	77	40	38	77	77	77	77	77	77	77	77	77	77	77	77
54		39	68	36	34	68	68	68	68	68	68	68	68	68	68	68	68
60		35	61	32	31	61	61	61	61	61	61	61	61	61	61	61	61
66	112	32	55	29	28	55	55	55	55	55	55	55	55	55	55	55	55
72		29	50	27	26	50	50	50	50	50	50	50	50	50	50	50	50
78		27	45	25	24	45	45	45	45	45	45	45	45	45	45	45	45
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90		23	39	21	20	39	39	39	39	39	39	39	39	39	39	39	39
96		22	36	20	19	36	36	36	36	36	36	36	36	36	36	36	36
24		90	120	83	79	120	120	120	120	120	120	120	120	120	120	120	120
30		72	120	67	63	120	120	120	120	120	120	120	120	120	120	120	120
36		60	106	56	53	106	106	106	106	106	106	106	106	106	106	106	106
42		51	91	48	45	91	91	91	91	91	91	91	91	91	91	91	91
48	108	45	80	42	40	80	80	80	79	80	80	80	80	80	80	80	80
54		40	71	37	35	71	71	71	70	71	71	71	71	71	71	71	71
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72		30	53	28	26	53	53	53	53	53	53	53	53	53	53	53	53
78		28	49	26	24	49	49	49	49	49	49	49	49	49	49	49	49
84		26	45	24	23	45	45	45	45	45	45	45	45	45	45	45	45
90		24	41	22	21	41	41	41	41	41	41	41	41	41	41	41	41
96		22	38	21	20	38	38	38	38	38	38	38	38	38	38	38	38
24		93	120	87	82	120	120	120	120	120	120	120	120	120	120	120	120
30	104	75	120	69	66	120	120	120	120	120	120	120	120	120	120	120	120
36		62	110	58	55	110	110	110	110	110	110	110	110	110	110	110	110
42		53	94	49	47	94	94	94	94	94	94	94	94	94	94	94	94
48		47	82	43	41	82	82	82	82	82	82	82	82	82	82	82	82
54		41	73	38	37	73	73	73	73	73	73	73	73	73	73	73	73
60		37	66	35	33	66	66	66	66	66	66	66	66	66	66	66	66
66		34	60	31	30	60	60	60	60	60	60	60	60	60	60	60	60
72		31	55	29	27	55	55	55	55	55	55	55	55	55	55	55	55
78		29	51	27	25	51	51	51	51	51	51	51	51	51	51	51	51
84		27	47	25	23	47	47	47	47	47	47	47	47	47	47	47	47
90	100	25	44	23	22	44	44	44	44	44	44	44	44	44	44	44	44
96		23	41	22	21	41	41	41	41	41	41	41	41	41	41	41	41
24		97	120	90	85	120	120	120	120	120	120	120	120	120	120	120	120
30		77	120	72	68	120	120	120	120	120	120	120	120	120	120	120	120
36		65	114	60	57	114	114	114	114	114	114	114	114	114	114	114	114
42		55	98	51	49	98	98	98	98	98	98	98	98	98	98	98	98
48		48	86	45	43	86	86	86	85	86	86	86	86	86	86	86	86
54		43	76	40	38	76	76	76	76	76	76	76	76	76	76	76	76
60		39	69	36	34	69	69	69	68	69	69	69	69	69	69	69	69
66		35	62	33	31	62	62	62	62	62	62	62	62	62	62	62	62
72	96	32	57	30	28	57	57	57	57	57	57	57	57	57	57	57	57
78		30	53	28	26	53	53	53	53	53	53	53	53	53	53	53	53
84		28	49	26	24	49	49	49	49	49	49	49	49	49	49	49	49
90		26	46	24	23	46	46	46	46	46	46	46	46	46	46	46	46
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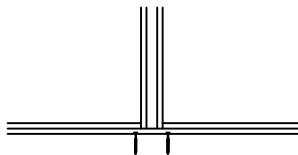


TWO-WAY MULLION DIAGRAMS

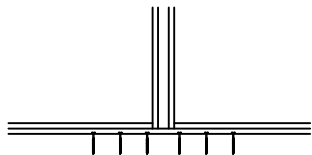
$$\text{TRIBUTARY WIDTH(W)} = \frac{W1 + W2}{2}$$

TABLE NOTES:

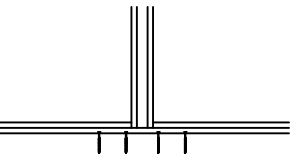
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
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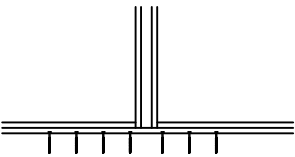
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4



7905 NW 77TH AVE
MEDLEY, FL 33166
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TITLE:
EQUAL LEG MULLION
(HVHZ)(IMPACT)
TWO-WAY CONFIGURATION
(WITHOUT REINFORCEMENT)

PREPARED BY:
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REMARKS	BY	DATE

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FL#: FL32630

DATE: 06.11.2020

DWG. BY:
YC

CHK. BY:
HFN

SCALE: NTS

DWG. #: ECI027

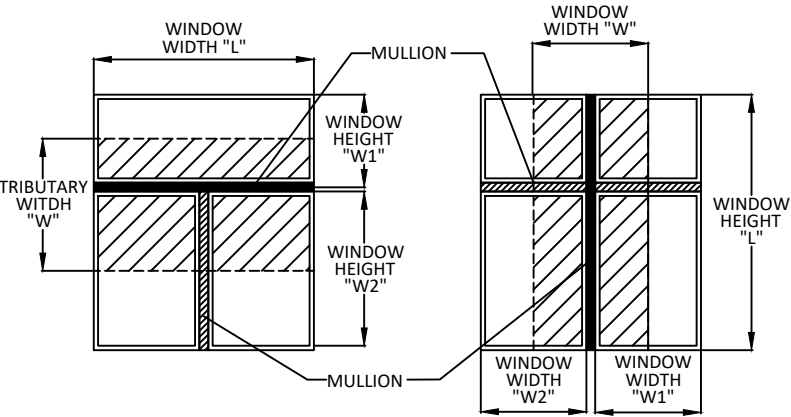
SHEET:

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12/17/2020 11:39 AM

s:\projects\eurocraft industries inc\cc-20-0916-fbc code change (ver. 7)\revision due to alumn. anchors\fl32630.dwg\ec1027.dwg

EQUAL LEG MULLION (WITHOUTH REINFORCEMENT) TWO WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	100	101	120	93	89	120	120	120	120	120	120	120	120	120	120	120	120
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36		67	119	62	59	119	119	119	118	119	119	119	119	119	119	119	119
42		57	102	53	51	102	102	102	101	102	102	102	102	102	102	102	102
48		50	89	47	44	89	89	89	89	89	89	89	89	89	89	89	89
54		45	79	42	39	79	79	79	79	79	79	79	79	79	79	79	79
60		40	71	37	36	71	71	71	71	71	71	71	71	71	71	71	71
66		37	65	34	32	65	65	65	65	65	65	65	65	65	65	65	65
72		34	59	31	30	59	59	59	59	59	59	59	59	59	59	59	59
78		31	55	29	27	55	55	55	55	55	55	55	55	55	55	55	55
84	96	29	51	27	25	51	51	51	51	51	51	51	51	51	51	51	51
90		27	48	25	24	48	48	48	47	48	48	48	48	48	48	48	48
96		25	45	23	22	45	45	45	44	45	45	45	45	45	45	45	45
24		105	120	97	93	120	120	120	120	120	120	120	120	120	120	120	120
30		84	120	78	74	120	120	120	120	120	120	120	120	120	120	120	120
36		70	120	65	62	120	120	120	120	120	120	120	120	120	120	120	120
42		60	106	56	53	106	106	106	106	106	106	106	106	106	106	106	106
48		52	93	49	46	93	93	93	93	93	93	93	93	93	93	93	93
54		47	82	43	41	82	82	82	82	82	82	82	82	82	82	82	82
60		42	74	39	37	74	74	74	74	74	74	74	74	74	74	74	74
66	92	38	67	35	34	67	67	67	67	67	67	67	67	67	67	67	67
72		35	62	32	31	62	62	62	62	62	62	62	62	62	62	62	62
78		32	57	30	28	57	57	57	57	57	57	57	57	57	57	57	57
84		30	53	28	26	53	53	53	53	53	53	53	53	53	53	53	53
90		28	49	26	25	49	49	49	49	49	49	49	49	49	49	49	49
96		26	46	24	23	46	46	46	46	46	46	46	46	46	46	46	46
24		109	120	102	97	120	120	120	120	120	120	120	120	120	120	120	120
30		87	120	81	77	120	120	120	120	120	120	120	120	120	120	120	120
36		73	120	68	64	120	120	120	120	120	120	120	120	120	120	120	120
42		62	111	58	55	111	111	111	110	111	111	111	111	111	111	111	111
48	88	55	97	51	48	97	97	97	97	97	97	97	97	97	97	97	97
54		49	86	45	43	86	86	86	86	86	86	86	86	86	86	86	86
60		44	77	41	39	77	77	77	77	77	77	77	77	77	77	77	77
66		40	70	37	35	70	70	70	70	70	70	70	70	70	70	70	70
72		36	65	34	32	65	65	65	64	65	65	65	65	65	65	65	65
78		34	60	31	30	60	60	60	59	60	60	60	60	60	60	60	60
84		31	55	29	28	55	55	55	55	55	55	55	55	55	55	55	55
90		29	52	27	26	52	52	52	51	52	52	52	52	52	52	52	52
96		27	48	25	24	48	48	48	48	48	48	48	48	48	48	48	48
24		114	120	106	101	120	120	120	120	120	120	120	120	120	120	120	120
30	84	91	120	85	81	120	120	120	120	120	120	120	120	120	120	120	120
36		76	120	71	67	120	120	120	120	120	120	120	120	120	120	120	120
42		65	116	61	58	116	116	116	115	116	116	116	116	116	116	116	116
48		57	101	53	50	101	101	101	101	101	101	101	101	101	101	101	101
54		51	90	47	45	90	90	90	90	90	90	90	90	90	90	90	90
60		46	81	42	40	81	81	81	81	81	81	81	81	81	81	81	81
66		42	74	39	37	74	74	74	73	74	74	74	74	74	74	74	74
72		38	67	35	34	67	67	67	67	67	67	67	67	67	67	67	67
78		35	62	33	31	62	62	62	62	62	62	62	62	62	62	62	62
84		33	58	30	29	58	58	58	58	58	58	58	58	58	58	58	58
90	80	30	54	28	27	54	54	54	54	54	54	54	54	54	54	54	54
96		29	51	27	25	51	51	51	50	51	51	51	51	51	51	51	51
24		120	120	111	106	120	120	120	120	120	120	120	120	120	120	120	120
30		96	120	89	85	120	120	120	120	120	120	120	120	120	120	120	120
36		80	120	74	70	120	120	120	120	120	120	120	120	120	120	120	120
42		68	120	64	60	120	120	120	120	120	120	120	120	120	120	120	120
48		60	106	56	53	106	106	106	106	106	106	106	106	106	106	106	106
54		53	94	49	47	94	94	94	94	94	94	94	94	94	94	94	94
60		48	85	44	42	85	85	85	85	85	85	85	85	85	85	85	85
66		44	77	40	38	77	77	77	77	77	77	77	77	77	77	77	77
72	76	40	71	37	35	71	71	71	70	71	71	71	71	71	71	71	71
78		37	65	34	33	65	65	65	65	65	65	65	65	65	65	65	65
84		34	61	32	30	61	61	61	60	61	61	61	61	61	61	61	61
90		32	57	30	28	57	57	57	56	57	57	57	57	57	57	57	57
96		30	53	28	26	53	53	53	53	53	53	53	53	53	53	53	53
24		120	120	111	106	120	120	120	120	120	120	120	120	120	120	120	120
30		96	120	89	85	120	120	120	120	120	120	120	120	120	120	120	120
36		80	120	74	70	120	120	120	120	120	120	120	120	120	120	120	120
42		68	120	64	60	120	120	120	120	120	120	120	120	120	120	120	120
48		60	106	56	53	106	106	106	106	106	106	106	106	106	106	106	106

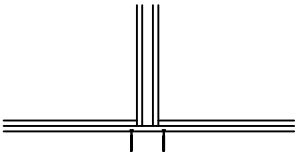


TWO-WAY MULLION DIAGRAMS

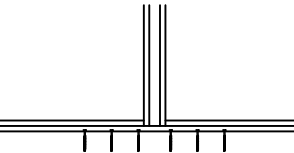
TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

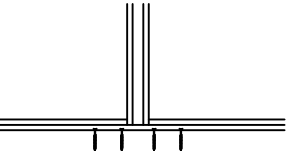
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS



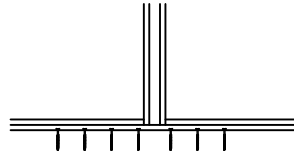
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4

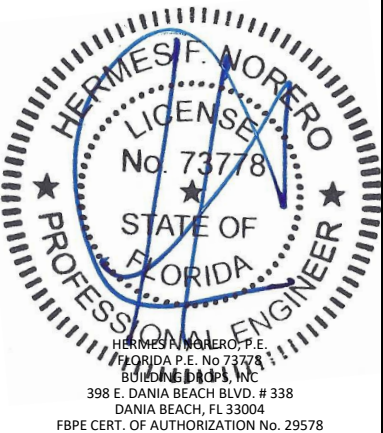


7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

EQUAL LEG MULLION
(HVHZ)(IMPACT)
TWO-WAY CONFIGURATION
(WITHOUT REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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#: FL32630

DATE: 06.11.2020

DWG. BY: YC
CHK. BY: HFN

SCALE: NTS

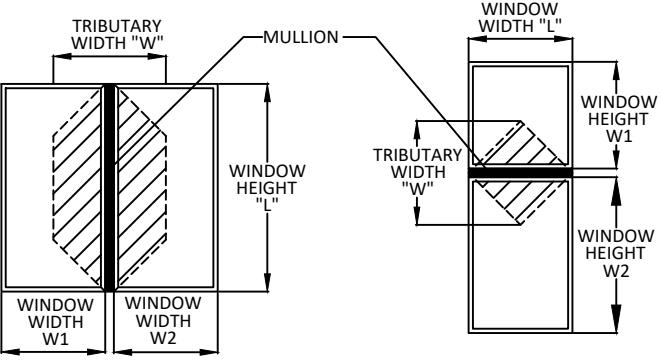
DWG. #: EC1027

SHEET:

12/17/2020 11:39 AM

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EQUAL LEG MULLION (WITH REINFORCEMENT) ONE WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	120	93	174	87	82	180	180	173	164	180	180	180	180	180	180	180	180
30		77	144	71	68	153	180	142	135	180	180	180	180	180	180	180	180
36		66	123	61	58	132	180	122	116	180	180	180	174	180	180	180	180
42		58	109	54	51	116	171	108	103	171	171	162	154	171	171	171	171
48		52	98	49	46	105	155	97	93	155	155	146	139	155	155	155	155
54		48	90	45	42	96	140	89	85	140	140	134	127	140	140	140	140
60		45	84	42	39	89	128	83	79	128	128	125	118	128	128	128	128
66		42	79	39	37	84	119	78	74	119	119	117	111	119	119	119	119
72		40	75	37	35	80	112	74	70	112	112	111	106	112	112	112	112
78		38	72	35	34	76	105	71	67	105	105	105	101	105	105	105	105
84		37	69	34	33	74	101	68	65	101	101	101	98	101	101	101	101
90		36	67	33	32	72	97	66	63	97	97	97	95	97	97	97	97
96		35	65	32	31	70	94	65	62	94	94	94	93	94	94	94	94
24	116	97	180	90	85	180	180	180	171	180	180	180	180	180	180	180	180
30		80	149	74	70	159	180	148	141	180	180	180	180	180	180	180	180
36		68	128	64	60	137	180	127	121	180	180	180	180	180	180	180	180
42		61	113	56	53	121	179	112	107	179	179	169	160	179	179	179	179
48		55	102	51	48	109	161	102	97	161	161	152	145	161	161	161	161
54		50	94	47	44	100	148	93	89	148	148	140	133	148	148	148	148
60		47	88	43	41	94	138	87	83	138	138	130	124	138	138	138	138
66		44	83	41	39	88	128	82	78	128	128	123	117	128	128	128	128
72		42	79	39	37	84	120	78	74	120	120	117	111	120	120	120	120
78		40	75	37	35	80	114	75	71	114	114	112	106	114	114	114	114
84		39	73	36	34	78	109	72	69	109	109	108	103	109	109	109	109
90		38	71	35	33	76	105	70	67	105	105	105	100	105	105	105	105
96		37	69	34	33	74	102	69	65	102	102	102	98	102	102	102	102
24	112	101	180	93	89	180	180	180	178	180	180	180	180	180	180	180	180
30		83	155	77	73	166	180	154	146	180	180	180	180	180	180	180	180
36		71	134	66	63	143	180	133	126	180	180	180	180	180	180	180	180
42		63	118	59	56	126	180	117	112	180	180	176	167	180	180	180	180
48		57	107	53	50	114	169	106	101	169	169	159	151	169	169	169	169
54		53	99	49	46	105	155	98	93	155	155	147	139	155	155	155	155
60		49	92	46	43	98	145	91	87	145	145	137	130	145	145	145	145
66		46	87	43	41	93	137	86	82	137	137	129	123	137	137	137	137
72		44	83	41	39	88	130	82	78	130	130	123	117	130	130	130	130
78		42	79	39	37	85	124	79	75	124	124	118	112	124	124	124	124
84		41	77	38	36	82	119	76	72	119	119	114	109	119	119	119	119
90		40	75	37	35	80	115	74	71	115	115	112	106	115	115	115	115
96		39	74	36	35	79	112	73	69	112	112	109	104	112	112	112	112
24	108	105	180	97	93	180	180	180	180	180	180	180	180	180	180	180	180
30		87	162	80	76	173	180	161	153	180	180	180	180	180	180	180	180
36		75	140	69	66	149	180	138	132	180	180	180	180	180	180	180	180
42		66	124	61	58	132	180	123	117	180	180	180	175	180	180	180	180
48		60	112	56	53	120	177	111	106	177	177	167	159	177	177	177	177
54		55	103	51	49	110	163	103	97	163	163	154	146	163	163	163	163
60		52	97	48	46	103	152	96	91	152	152	144	137	152	152	152	152
66		49	91	45	43	98	144	91	86	144	144	136	129	144	144	144	144
72		47	87	43	41	93	137	87	82	137	137	130	123	137	137	137	137
78		45	84	42	40	90	132	83	79	132	132	125	119	132	132	132	132
84		44	82	40	38	87	129	81	77	129	129	121	115	129	129	129	129
90		43	80	40	38	85	126	79	75	126	126	119	113	126	126	126	126
96		42	79	39	37	84	123	78	74	123	123	117	111	123	123	123	123
24	104	109	180	102	97	180	180	180	180	180	180	180	180	180	180	180	180
30		90	169	84	80	180	180	168	160	180	180	180	180	180	180	180	180
36		78	146	72	69	156	180	145	138	180	180	180	180	180	180	180	180
42		69	130	64	61	139	180	129	122	180	180	180	180	180	180	180	180
48		63	118	58	56	126	180	117	111	180	180	175	167	180	180	180	180
54		58	109	54	51	116	171	108	103	171	171	162	154	171	171	171	171
60		54	102	51	48	109	160	101	96	160	160	152	144	160	160	160	160
66		52	96	48	45	103	152	96	91	152	152	144	136	152	152	152	152
72		49	92	46	44	99	146	92	87	146	146	137	131	146	146	146	146
78		48	89	44	42	95	141	88	84	141	141	133	126	141	141	141	141
84		46	87	43	41	93	137	86	82	137	137	129	123	137	137	137	137
90		45	85	42	40	91	134	84	80	134	134	127	120	134	134	134	134
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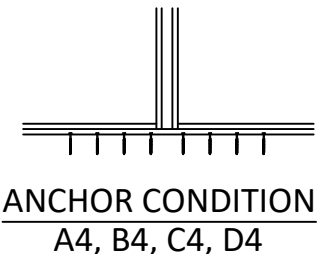
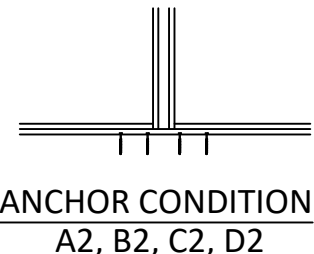
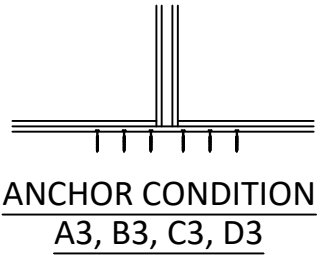
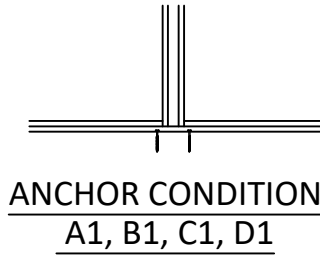


ONE-WAY MULLION DIAGRAMS

TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
- 2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- 3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- 4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
- 5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
- 6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS

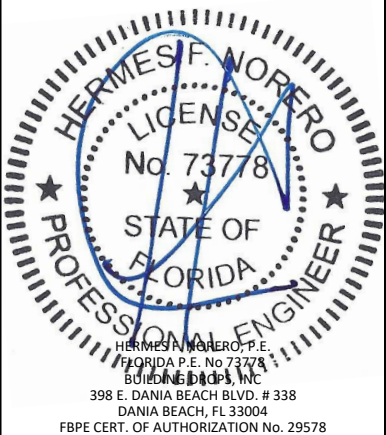


7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

EQUAL LEG MULLION
(HVHZ)(IMPACT)
ONE-WAY CONFIGURATION
(REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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#: **FL32630**

DATE: **06.11.2020**

DWG. BY: **YC** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **EC1027**

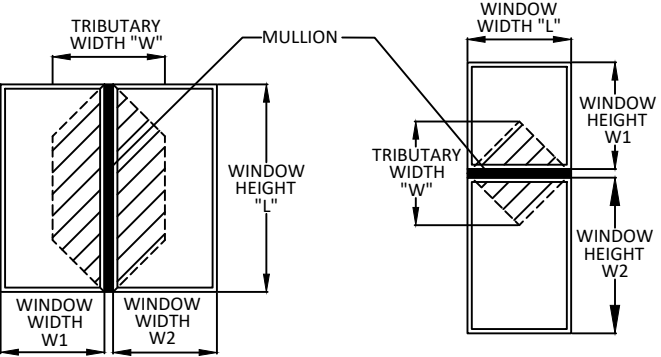
SHEET: **9**

OF 13

12/17/2020 11:39 AM

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EQUAL LEG MULLION (WITH REINFORCEMENT) ONE WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	100	114	180	106	101	180	180	180	180	180	180	180	180	180	180	180	180
30		95	177	88	84	180	180	176	167	180	180	180	180	180	180	180	180
36		82	153	76	72	164	180	152	144	180	180	180	180	180	180	180	180
42		73	136	68	64	146	180	135	128	180	180	180	180	180	180	180	180
48		66	124	61	58	132	180	123	117	180	180	180	175	180	180	180	180
54		61	115	57	54	123	180	114	108	180	180	171	162	180	180	180	180
60		57	108	53	51	115	170	107	101	170	170	160	152	170	170	170	170
66		55	102	51	48	109	161	101	96	161	161	152	145	161	161	161	161
72		52	98	49	46	105	155	97	93	155	155	146	139	155	155	155	155
78		51	95	47	45	102	150	94	90	150	150	141	134	150	150	150	150
84		50	93	46	44	99	146	92	87	146	146	138	131	146	146	146	146
90		49	91	45	43	98	144	91	86	144	144	136	129	144	144	144	144
96		48	91	45	43	97	143	90	85	143	143	135	128	143	143	143	143
24	96	120	180	111	106	180	180	180	180	180	180	180	180	180	180	180	180
30		99	180	92	88	180	180	180	175	180	180	180	180	180	180	180	180
36		86	161	80	76	172	180	160	152	180	180	180	180	180	180	180	180
42		77	144	71	68	153	180	142	135	180	180	180	180	180	180	180	180
48		70	131	65	62	140	180	130	123	180	180	180	180	180	180	180	180
54		65	121	60	57	130	180	120	114	180	180	180	172	180	180	180	172
60		61	114	57	54	122	180	113	108	180	180	170	161	180	180	170	161
66		58	109	54	51	116	171	108	103	171	171	162	154	171	171	162	154
72		56	105	52	49	112	165	104	99	165	165	156	148	165	165	156	148
78		54	102	50	48	109	160	101	96	160	160	151	144	160	160	151	144
84		53	100	49	47	106	157	99	94	157	157	148	141	157	157	148	141
90		53	99	49	46	105	155	98	93	155	155	147	139	155	155	147	139
96		52	98	49	46	105	155	97	93	155	155	146	139	155	155	146	139
24	92	126	180	117	111	180	180	180	180	180	180	180	180	180	180	180	180
30		105	180	97	92	180	180	180	180	180	180	180	180	180	180	180	180
36		91	170	84	80	180	180	168	160	180	180	180	180	180	180	180	180
42		81	152	75	71	162	180	150	143	180	180	180	180	180	180	180	180
48		74	139	69	65	148	180	137	131	180	180	180	180	180	180	180	180
54		69	129	64	61	138	180	128	121	180	180	180	180	180	180	180	180
60		65	122	60	57	130	180	121	115	180	180	180	172	180	180	180	180
66		62	116	58	55	124	180	115	109	180	180	173	164	180	180	180	180
72		60	112	56	53	120	177	111	106	177	177	167	159	177	177	177	177
78		58	109	54	52	117	172	108	103	172	172	163	155	172	172	172	172
84		57	108	53	51	115	170	107	101	170	170	160	152	170	170	170	170
90		57	107	53	50	114	168	106	101	168	168	159	151	168	168	168	168
96		52	98	49	46	105	168	97	93	157	168	146	139	168	168	168	168
24	88	132	180	123	117	180	180	180	180	180	180	180	180	180	180	180	180
30		110	180	102	97	180	180	180	180	180	180	180	180	180	180	180	180
36		96	179	89	85	180	180	178	169	180	180	180	180	180	180	180	180
42		86	161	80	76	172	180	159	151	180	180	180	180	180	180	180	180
48		79	147	73	69	157	180	146	139	180	180	180	180	180	180	180	180
54		73	137	68	65	147	180	136	129	180	180	180	180	180	180	180	180
60		69	130	64	61	139	180	129	122	180	180	180	180	180	180	180	180
66		67	125	62	59	133	180	124	117	180	180	180	176	180	180	180	180
72		65	121	60	57	129	180	120	114	180	180	180	171	180	180	180	180
78		63	118	59	56	126	180	117	112	180	180	176	167	180	180	180	180
84		62	117	58	55	125	180	116	110	180	180	174	165	180	180	180	180
90		60	112	55	53	119	180	111	105	179	180	166	158	180	180	180	180
96		52	98	49	46	105	180	97	93	157	180	146	139	180	180	180	180
24	84	140	180	130	123	180	180	180	180	180	180	180	180	180	180	180	180
30		117	180	108	103	180	180	180	180	180	180	180	180	180	180	180	180
36		102	180	94	90	180	180	180	179	180	180	180	180	180	180	180	180
42		91	171	85	81	180	180	169	161	180	180	180	180	180	180	180	180
48		84	157	78	74	168	180	156	148	180	180	180	180	180	180	180	180
54		78	147	73	69	157	180	146	138	180	180	180	180	180	180	180	180
60		75	140	69	66	149	180	138	132	180	180	180	180	180	180	180	180
66		72	134	67	63	143	180	133	127	180	180	180	180	180	180	180	180
72		70	131	65	62	140	180	130	123	180	180	180	180	180	180	180	180
78		69	129	64	61	138	180	128	121	180	180	180	180	180	180	180	180
84		68	128	64	60	137	180	127	121	180	180	180	180	180	180	180	180
90		60	112	55	53	119	180	111	105	179	180	166	158	180	180	180	180
96		52	98	49	46	105	180	97	93	157	180	146	139	180	180	180	180

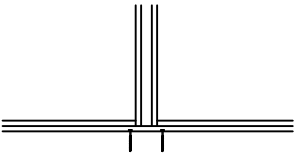


ONE-WAY MULLION DIAGRAMS

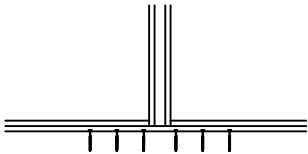
TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

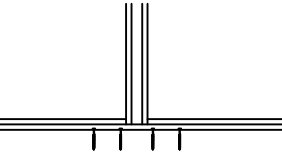
- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
- 2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- 3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- 4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
- 5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
- 6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS



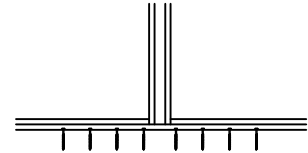
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4



7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

EQUAL LEG MULLION
(HVHZ)(IMPACT)
ONE-WAY CONFIGURATION
(REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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.

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

FL#: **FL32630**

DATE: **06.11.2020**

DWG. BY: **YC** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ECI027**

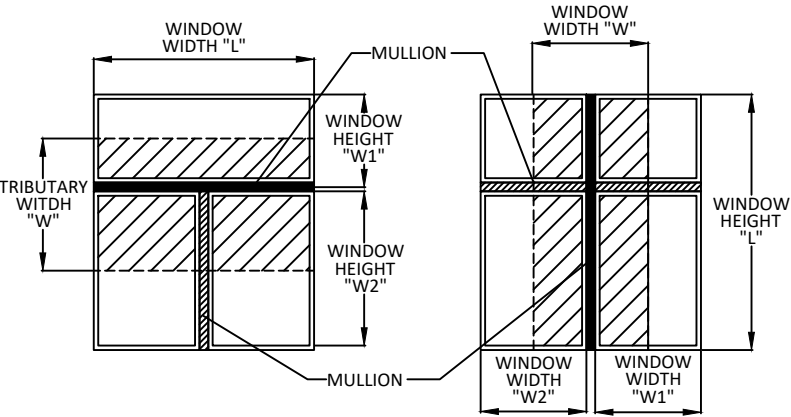
SHEET:

10

12/17/2020 11:39 AM

s:\projects\eurocraft industries inc\cc-20-0916-fbc code change (ver. 7)\revision due to alum. anchors\fl32630 dwgs\eci027.dwg

EQUAL LEG MULLION (WITH REINFORCEMENT) TWO-WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	120	84	157	78	74	168	180	156	148	180	180	180	180	180	180	180	180
30		67	126	62	59	134	180	125	118	180	180	180	178	180	180	180	180
36		56	105	52	49	112	165	104	99	165	165	156	148	165	165	165	165
42		48	90	44	42	96	141	89	85	141	141	133	127	141	141	141	141
48		42	79	39	37	84	124	78	74	124	124	117	111	124	124	124	124
54		37	70	35	33	75	109	69	66	109	109	104	99	109	109	109	109
60		34	63	31	30	67	96	62	59	96	96	93	89	96	96	96	96
66		30	57	28	27	61	86	57	54	86	86	85	81	86	86	86	86
72		28	52	26	25	56	78	52	49	78	78	78	74	78	78	78	78
78		26	48	24	23	52	71	48	46	71	71	71	68	71	71	71	71
84	116	24	45	22	21	48	65	44	42	65	65	65	63	65	65	65	65
90		22	42	21	20	45	60	42	39	60	60	60	59	60	60	60	60
96		21	39	19	19	42	56	39	37	56	56	56	56	56	56	56	56
24		87	162	81	77	173	180	161	153	180	180	180	180	180	180	180	180
30		69	130	64	61	139	180	129	122	180	180	180	180	180	180	180	180
36		58	108	54	51	116	171	107	102	171	171	161	153	171	171	171	171
42		50	93	46	44	99	146	92	87	146	146	138	131	146	146	146	146
48		43	81	40	38	87	128	81	77	128	128	121	115	128	128	128	128
54		39	72	36	34	77	114	72	68	114	114	107	102	114	114	114	114
60		35	65	32	31	69	102	64	61	102	102	97	92	102	102	102	102
66	112	32	59	29	28	63	92	59	56	92	92	88	84	92	92	92	92
72		29	54	27	26	58	83	54	51	83	83	81	77	83	83	83	83
78		27	50	25	24	53	76	50	47	76	76	74	71	76	76	76	76
84		25	46	23	22	50	70	46	44	70	70	69	66	70	70	70	70
90		23	43	21	20	46	64	43	41	64	64	64	61	64	64	64	64
96		22	41	20	19	43	60	40	38	60	60	60	57	60	60	60	60
24		90	168	83	79	180	180	167	159	180	180	180	180	180	180	180	180
30		72	135	67	63	144	180	133	127	180	180	180	180	180	180	180	180
36		60	112	56	53	120	177	111	106	177	177	167	159	177	177	177	177
42		51	96	48	45	103	151	95	91	151	151	143	136	151	151	151	151
48	108	45	84	42	40	90	133	83	79	133	133	125	119	133	133	133	133
54		40	75	37	35	80	118	74	70	118	118	111	106	118	118	118	118
60		36	67	33	32	72	106	67	63	106	106	100	95	106	106	106	106
66		33	61	30	29	65	96	61	58	96	96	91	86	96	96	96	96
72		30	56	28	26	60	88	56	53	88	88	83	79	88	88	88	88
78		28	52	26	24	55	81	51	49	81	81	77	73	81	81	81	81
84		26	48	24	23	51	74	48	45	74	74	72	68	74	74	74	74
90		24	45	22	21	48	69	44	42	69	69	67	63	69	69	69	69
96		22	42	21	20	45	64	42	40	64	64	63	59	64	64	64	64
24		93	174	87	82	180	180	173	164	180	180	180	180	180	180	180	180
30	104	75	140	69	66	149	180	138	132	180	180	180	180	180	180	180	180
36		62	116	58	55	124	180	115	110	180	180	173	164	180	180	180	180
42		53	100	49	47	106	157	99	94	157	157	148	141	157	157	157	157
48		47	87	43	41	93	137	87	82	137	137	130	123	137	137	137	137
54		41	78	38	37	83	122	77	73	122	122	115	110	122	122	122	122
60		37	70	35	33	75	110	69	66	110	110	104	99	110	110	110	110
66		34	63	31	30	68	100	63	60	100	100	94	90	100	100	100	100
72		31	58	29	27	62	92	58	55	92	92	87	82	92	92	92	92
78		29	54	27	25	57	85	53	51	85	85	80	76	85	85	85	85
84		27	50	25	23	53	79	49	47	79	79	74	70	79	79	79	79
90	104	25	47	23	22	50	73	46	44	73	73	69	66	73	73	73	73
96		23	44	22	21	47	69	43	41	69	69	65	62	69	69	69	69
24		97	180	90	85	180	180	180	171	180	180	180	180	180	180	180	180
30		77	145	72	68	155	180	144	137	180	180	180	180	180	180	180	180
36		65	121	60	57	129	180	120	114	180	180	180	171	180	180	180	180
42		55	104	51	49	111	163	103	98	163	163	154	146	163	163	163	163
48		48	91	45	43	97	143	90	85	143	143	135	128	143	143	143	143
54		43	81	40	38	86	127	80	76	127	127	120	114	127	127	127	127
60		39	72	36	34	77	114	72	68	114	114	108	102	114	114	114	114
66		35	66	33	31	70	104	65	62	104	104	98	93	104	104	104	104
72	104	32	60	30	28	65	95	60	57	95	95	90	85	95	95	95	95
78		30	56	28	26	60	88	55	53	88	88	83	79	88	88	88	88
84		28	52	26	24	55	82	51	49	82	82	77	73	82	82	82	82
90		26	48	24	23	52	76	48	46	76	76	72	68	76	76	76	76
96		24	45	22	21	48	71	45	43	71	71	67	64	71	71	71	71

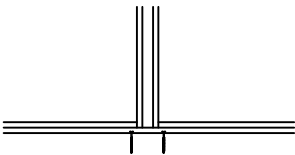


TWO-WAY MULLION DIAGRAMS

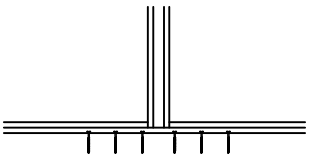
$$\text{TRIBUTARY WIDTH(W)} = \frac{W1 + W2}{2}$$

TABLE NOTES:

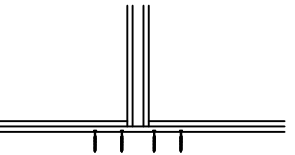
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS



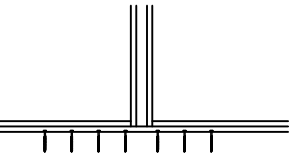
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4



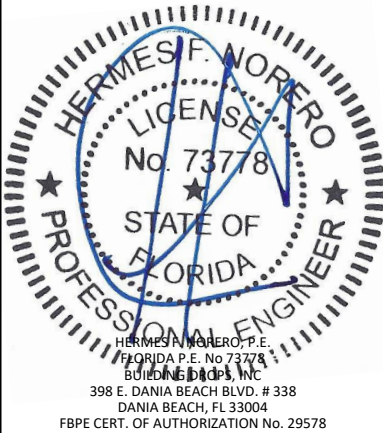
7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

EQUAL LEG MULLION
(HVHZ)(IMPACT)
TWO-WAY CONFIGURATION
(REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FL#: FL32630

DATE: 06.11.2020

DWG. BY: YC
CHK. BY: HFN

SCALE: NTS

DWG. #: ECI027

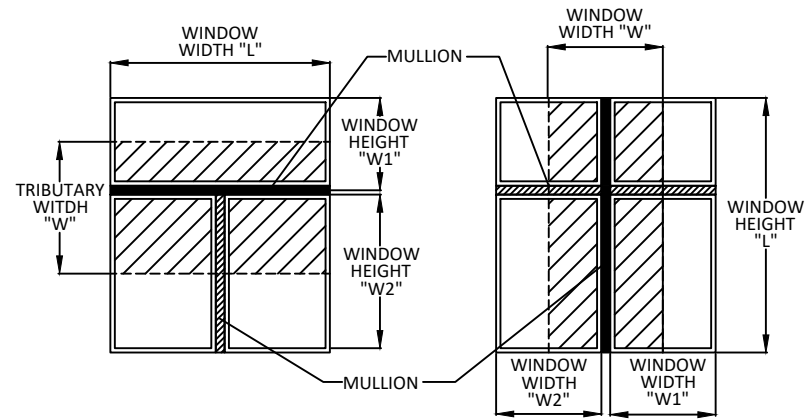
SHEET:

11

OF 13

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EQUAL LEG MULLION (WITH REINFORCEMENT) ONE WAY CONFIGURATION																	
"W" TRIBUTARY WIDTH (IN)	"L" MULLION LENGTH (IN)	CONDITION 1				CONDITION 2				CONDITION 3				CONDITION 4			
		ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D	ANCHOR A	ANCHOR B	ANCHOR C	ANCHOR D
24	100	101	180	93	89	180	180	180	178	180	180	180	180	180	180	180	180
30		80	151	75	71	161	180	149	142	180	180	180	180	180	180	180	180
36		67	126	62	59	134	180	125	118	180	180	180	178	180	180	180	180
42		57	108	53	51	115	170	107	101	170	170	160	152	170	170	170	170
48		50	94	47	44	101	148	93	89	148	148	140	133	148	148	148	148
54		45	84	42	39	89	132	83	79	132	132	125	118	132	132	132	132
60		40	75	37	36	80	119	75	71	119	119	112	107	119	119	119	119
66		37	69	34	32	73	108	68	65	108	108	102	97	108	108	108	108
72		34	63	31	30	67	99	62	59	99	99	93	89	99	99	99	99
78		31	58	29	27	62	91	57	55	91	91	86	82	91	91	91	91
84		29	54	27	25	57	85	53	51	85	85	80	76	85	85	85	85
90		27	50	25	24	54	79	50	47	79	79	75	71	79	79	79	79
96		25	47	23	22	50	74	47	44	74	74	70	67	74	74	74	74
24	96	105	180	97	93	180	180	180	180	180	180	180	180	180	180	180	180
30		84	157	78	74	168	180	156	148	180	180	180	180	180	180	180	180
36		70	131	65	62	140	180	130	123	180	180	180	180	180	180	180	180
42		60	112	56	53	120	177	111	106	177	177	167	159	177	177	167	159
48		52	98	49	46	105	155	97	93	155	155	146	139	155	155	146	139
54		47	87	43	41	93	137	87	82	137	137	130	123	137	137	130	123
60		42	79	39	37	84	124	78	74	124	124	117	111	124	124	117	111
66		38	71	35	34	76	112	71	67	112	112	106	101	112	112	106	101
72		35	65	32	31	70	103	65	62	103	103	97	93	103	103	97	93
78		32	60	30	28	65	95	60	57	95	95	90	85	95	95	90	85
84		30	56	28	26	60	88	56	53	88	88	83	79	88	88	83	79
90		28	52	26	25	56	82	52	49	82	82	78	74	82	82	78	74
96		26	49	24	23	52	77	49	46	77	77	73	69	77	77	73	69
24	92	109	180	102	97	180	180	180	180	180	180	180	180	180	180	180	180
30		87	164	81	77	175	180	162	154	180	180	180	180	180	180	180	180
36		73	137	68	64	146	180	135	129	180	180	180	180	180	180	180	180
42		62	117	58	55	125	180	116	110	180	180	174	165	180	180	180	180
48		55	102	51	48	109	161	102	97	161	161	152	145	161	161	161	161
54		49	91	45	43	97	143	90	86	143	143	135	129	143	143	143	143
60		44	82	41	39	87	129	81	77	129	129	122	116	129	129	129	129
66		40	74	37	35	80	117	74	70	117	117	111	105	117	117	117	117
72		36	68	34	32	73	108	68	64	108	108	102	97	108	108	108	108
78		34	63	31	30	67	99	62	59	99	99	94	89	99	99	99	99
84		31	59	29	28	62	92	58	55	92	92	87	83	92	92	92	92
90		29	55	27	26	58	86	54	51	86	86	81	77	86	86	86	86
96		27	51	25	24	55	81	51	48	81	81	76	72	81	81	81	81
24	88	114	180	106	101	180	180	180	180	180	180	180	180	180	180	180	180
30		91	171	85	81	180	180	170	161	180	180	180	180	180	180	180	180
36		76	143	71	67	152	180	142	135	180	180	180	180	180	180	180	180
42		65	122	61	58	131	180	121	115	180	180	180	173	180	180	180	180
48		57	107	53	50	114	169	106	101	169	169	159	151	169	169	169	169
54		51	95	47	45	102	150	94	90	150	150	142	135	150	150	150	150
60		46	86	42	40	91	135	85	81	135	135	127	121	135	135	135	135
66		42	78	39	37	83	123	77	73	123	123	116	110	123	123	123	123
72		38	71	35	34	76	112	71	67	112	112	106	101	112	112	112	112
78		35	66	33	31	70	104	65	62	104	104	98	93	104	104	104	104
84		33	61	30	29	65	96	61	58	96	96	91	86	96	96	96	96
90		30	57	28	27	61	90	57	54	90	90	85	81	90	90	90	90
96		29	54	27	25	57	84	53	50	84	84	80	76	84	84	84	84
24	84	120	180	111	106	180	180	180	180	180	180	180	180	180	180	180	180
30		96	179	89	85	180	180	178	169	180	180	180	180	180	180	180	180
36		80	150	74	70	160	180	148	141	180	180	180	180	180	180	180	180
42		68	128	64	60	137	180	127	121	180	180	180	180	180	180	180	180
48		60	112	56	53	120	177	111	106	177	177	167	159	177	177	177	177
54		53	100	49	47	106	157	99	94	157	157	148	141	157	157	157	157
60		48	90	44	42	96	141	89	85	141	141	133	127	141	141	141	141
66		44	82	40	38	87	129	81	77	129	129	121	115	129	129	129	129
72		40	75	37	35	80	118	74	70	118	118	111	106	118	118	118	118
78		37	69	34	33	74	109	68	65	109	109	103	98	109	109	109	109
84		34	64	32	30	68	101	64	60	101	101	95	91	101	101	101	101
90		32	60	30	28	64	94	59	56	94	94	89	85	94	94	94	94
96		30	56	28	26	60	88	56	53	88	88	83	79	88	88	88	88

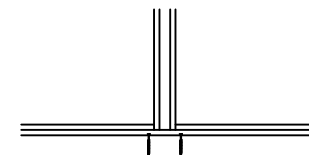


TWO-WAY MULLION DIAGRAMS

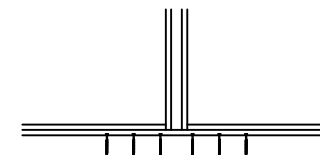
TRIBUTARY WIDTH(W) = $\frac{W1 + W2}{2}$

TABLE NOTES:

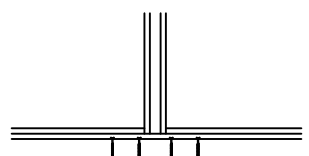
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 4 FOR MULLION AND REINFORCEMENT DETAILS.
5. SEE SHEET 4 FOR ANCHOR TYPES AND REQUIREMENTS.
6. SEE SHEET 4 FOR INSTALLATION SUBSTRATES DETAILS



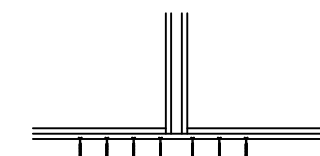
ANCHOR CONDITION
A1, B1, C1, D1



ANCHOR CONDITION
A3, B3, C3, D3



ANCHOR CONDITION
A2, B2, C2, D2



ANCHOR CONDITION
A4, B4, C4, D4



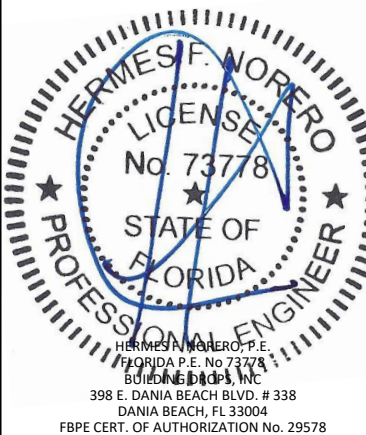
7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

EQUAL LEG MULLION
(HVHZ)(IMPACT)
TWO-WAY CONFIGURATION
(REINFORCEMENT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

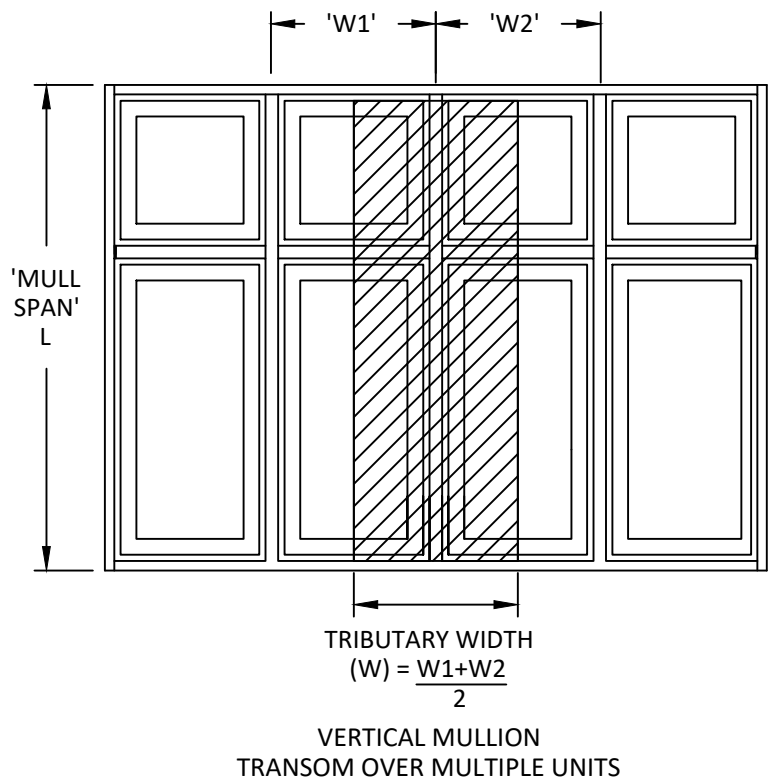
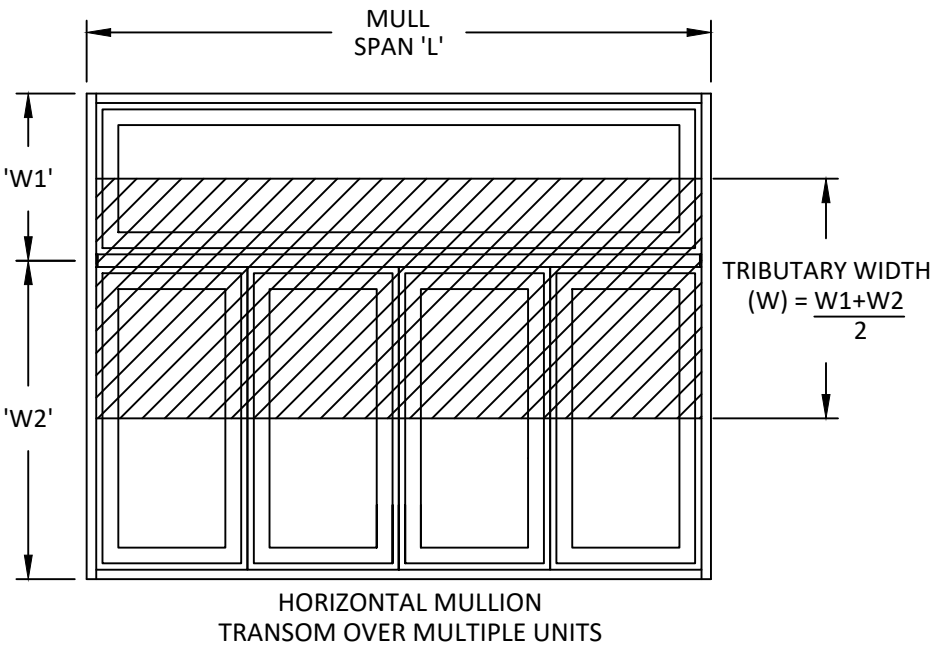
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#:	FL32630
DATE:	06.11.2020
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ECI027
SHEET:	12

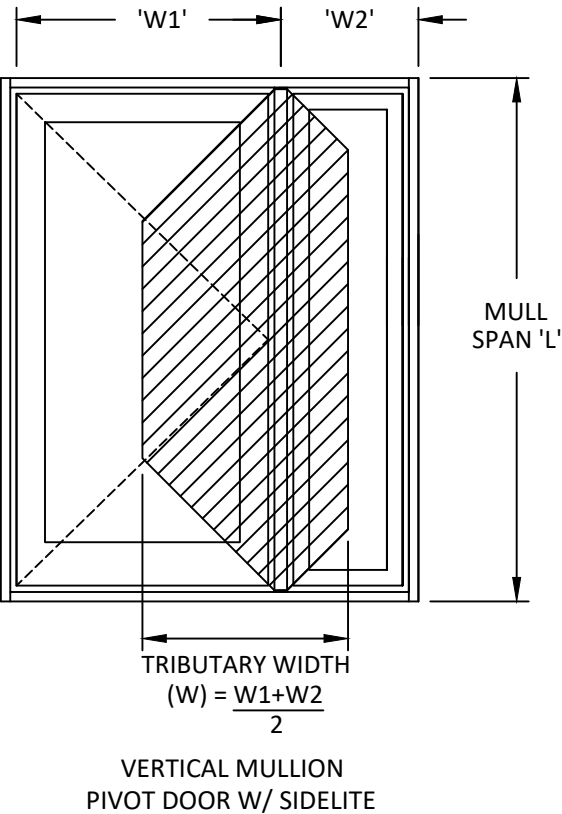
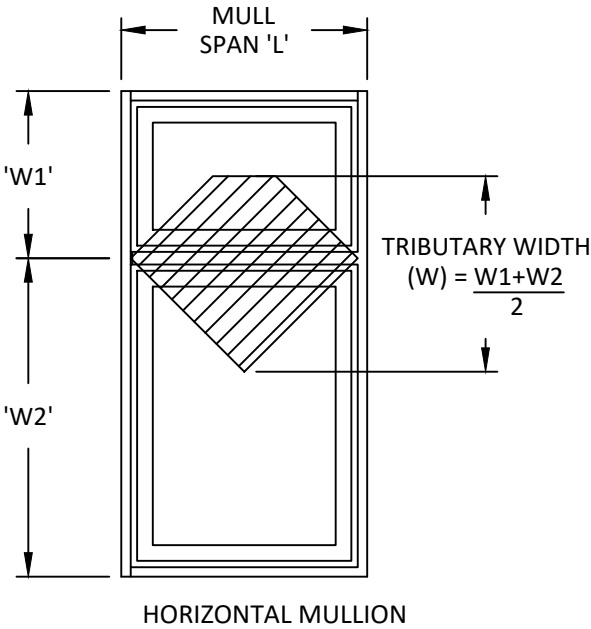
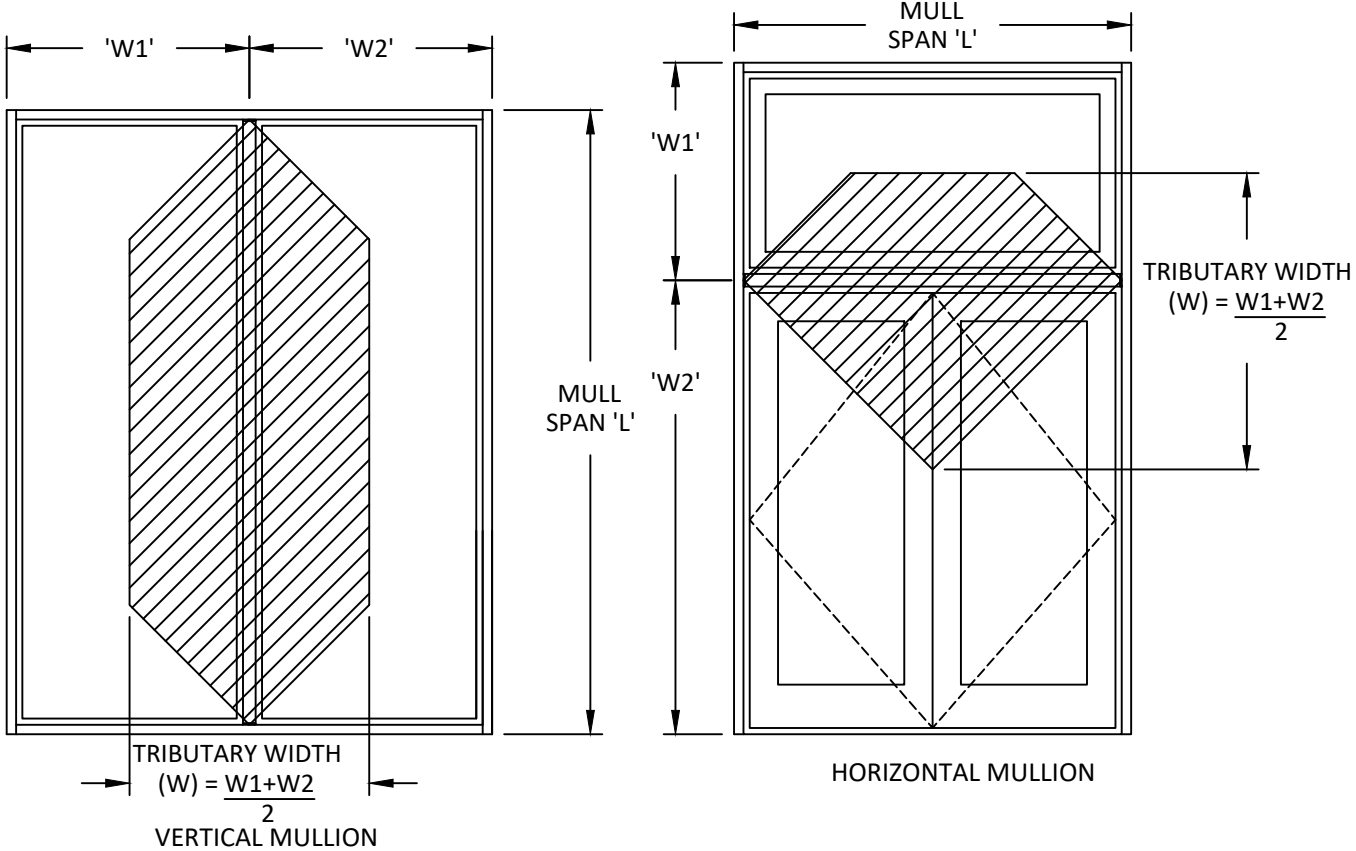
12/17/2020 11:39 AM
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EXAMPLES OF TWO-WAY MULLION ASSEMBLIES



- NOTES:
1. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CONFIGURATIONS NOT SPECIFICALLY SHOWN MAY BE EXTRAPOLATED FROM THOSE SHOWN.
 2. IF THE LOADING TYPE CANNOT BE DETERMINED, USE TWO-WAY ASSEMBLY CONFIGURATION VALUES.
 3. FENESTRATION PRODUCTS SHALL BE ANCHORED AS PER SEPARATE APPROVAL.

EXAMPLES OF ONE-WAY MULLION ASSEMBLIES



7905 NW 77TH AVE
MEDLEY, FL 33166
PH: (305) 713-1871 FX: (305) 713-1872

TITLE:
EQUAL LEG MULLION
(HVHZ)(IMPACT)

MULLION ASSEMBLIES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954) 399-8478

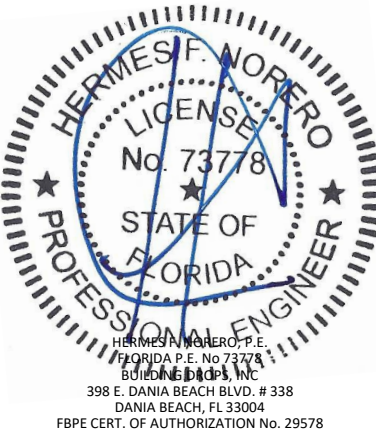
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

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DWG. #:	ECI027
SHEET:	13