

AMERICAN CRAFTSMAN WINDOWS

PLY GEM WINDOWS

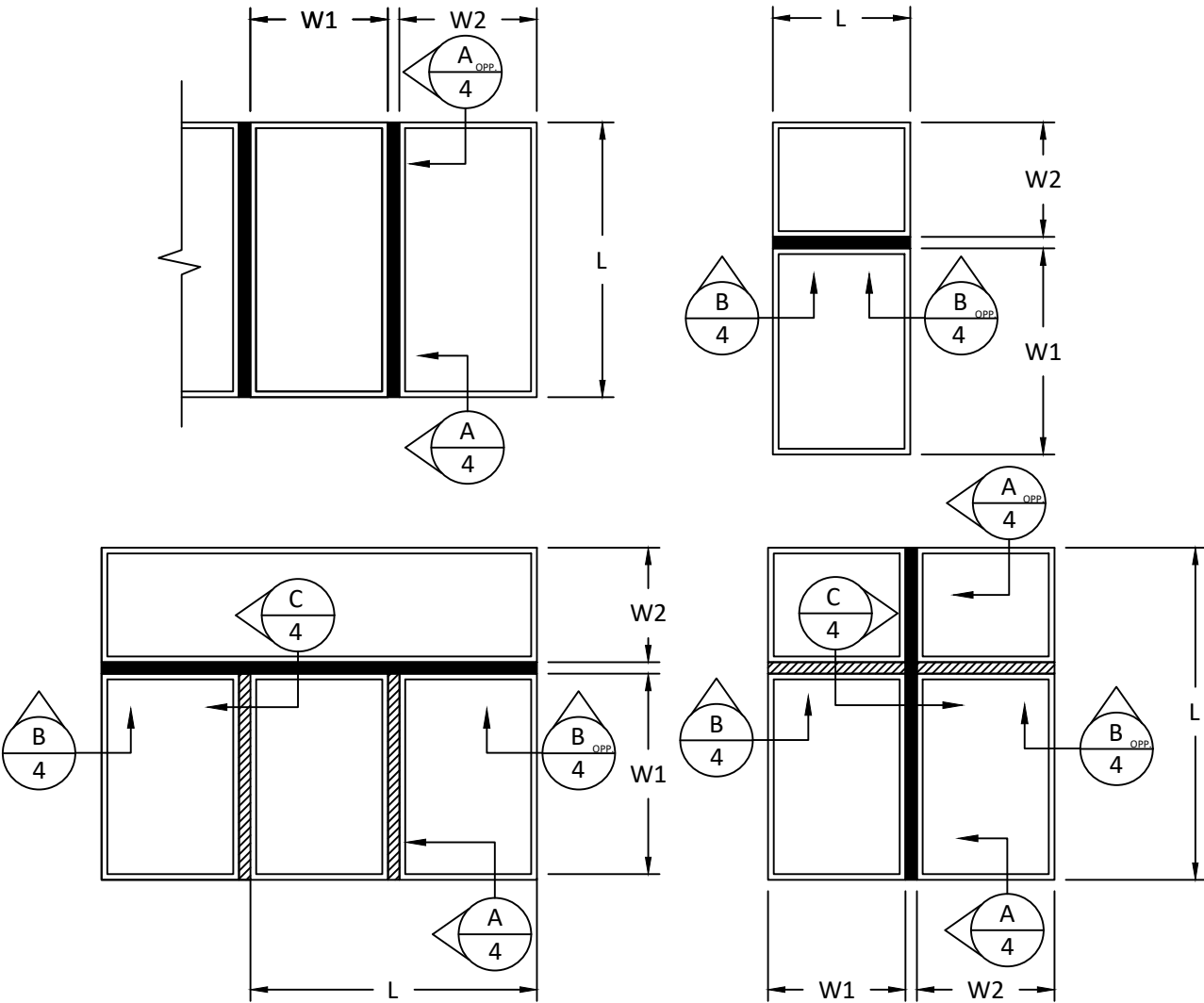
SILVER LINE WINDOWS AND DOORS

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 202-94
 - ASTM E330
- 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.
- 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.
- 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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
- MULLION & CLIP MATERIAL: ALUMINUM 6063-T6
- WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION THIS PRODUCT COMPLIES WITH CHAPTER 16 OF THE CURRENT FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING IN AREAS WZ3 OR LESS
- WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION THIS PRODUCT COMPLIES WITH CHAPTER 16 OF THE CURRENT FLORIDA BUILDING CODE AND DOES REQUIRE AN IMPACT RESISTANT COVERING IN AREAS WZ4.
- MULLIONS MAY BE USED WITH ANY APPROVED FENESTRATION PRODUCT, UNDER SEPARATE APPROVAL.
- SEE SHEETS 5-16 FOR INSTALLATION ANCHOR REQUIREMENTS FOR SPECIFIC ANCHORING REQUIREMENTS, MULLION CONFIGURATIONS, AND DESIGN LOAD CAPACITIES.
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC CH20.

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TYPICAL ELEVATIONS

INSTRUCTIONS:

- DETERMINE REQUIRED DESIGN PRESSURE FOR OPENING.
- CHOOSE A MULLION THAT PROPERLY FITS THE FENESTRATION PRODUCT.
- 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.
- VERIFY THAT MULLION DESIGN PRESSURE MEETS OR EXCEEDS REQUIRED DESIGN PRESSURE OF OPENING USING CHARTS ON SHEETS 6-16.
- QUALIFIED CLIP TYPES APPEAR ON SHEETS 3 & 4. MULTIPLE ANCHOR TYPE/SUBSTRATE/CLIP COMBINATIONS WITHIN AN OPENING ARE ALLOWED.
- THE LESSER DESIGN PRESSURE OR MULLION OR FENESTRATION PRODUCT WILL GOVERN OVERALL ASSEMBLY DESIGN PRESSURE RATING.

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

PH: (888) 741-0354

TITLE: **SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)**

GENERAL AND INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE Miami Ct. Units 2-15

Miami, FL 33132

PH: (954)399-8478

FAX: (954)744.4738

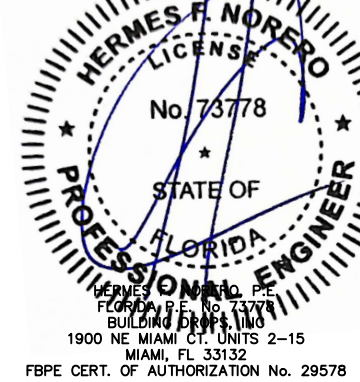
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.05 16:37:12 -0400



FL #:

FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

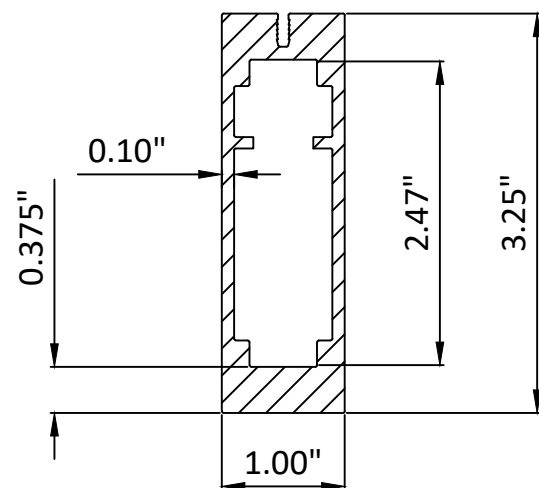
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DWG. #: **SWD014**

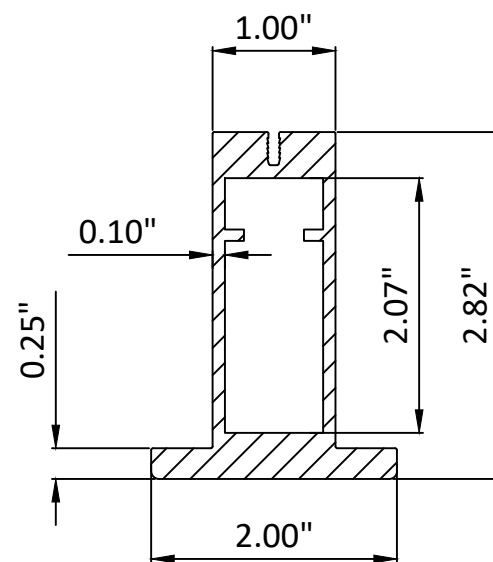
SHEET

1

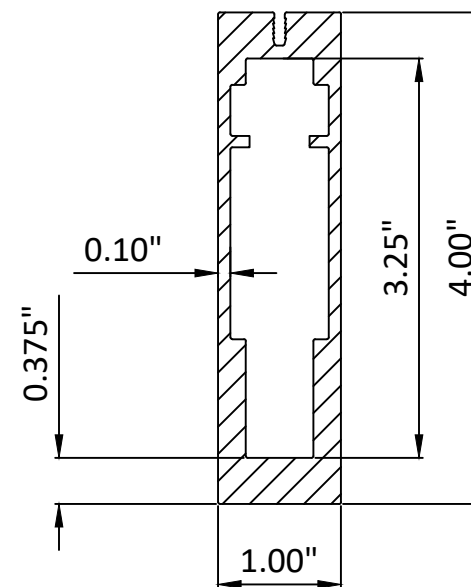
OF 16



SERIES 2723 (PART #230295)
TUBE MULLION



SERIES 2724
TUBE MULLION



SERIES 2728 (PART #230296)
TUBE MULLION

NOTE:

1. MULLION PROFILES SHOWN ABOVE ARE OF ALUMINUM, 6063-T6 MATERIAL
2. SEE SHEET 3 FOR SPECIFIC CLIP TYPES AND DIMENSIONS.

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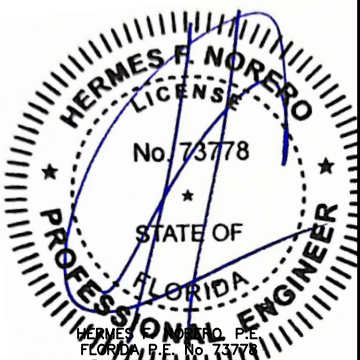
TITLE:
SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
MULLIONS CROSS SECTIONS

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**BUILDING DROPS**

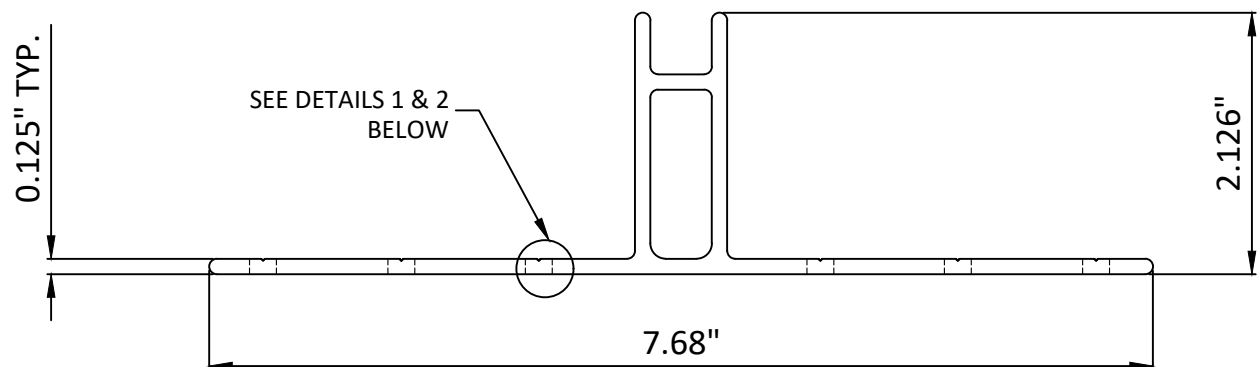
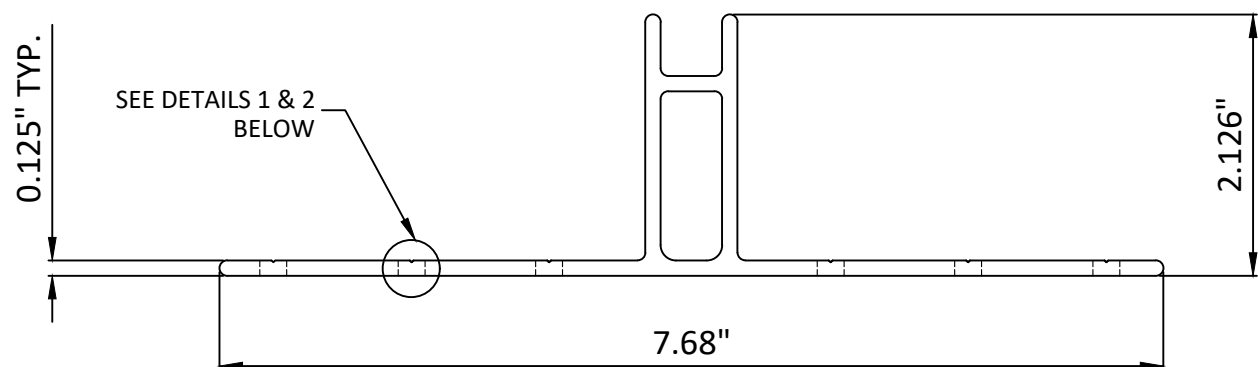
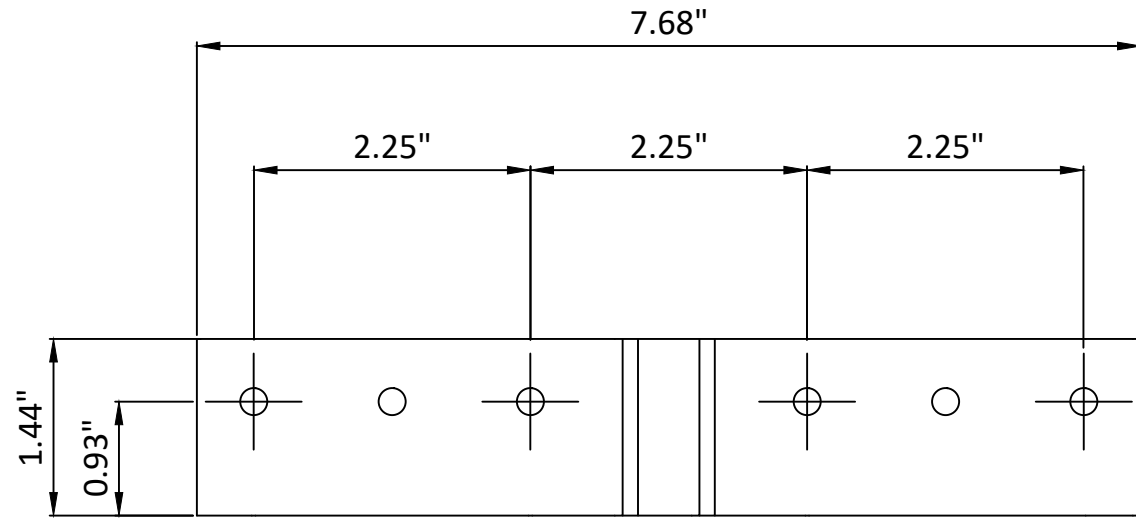
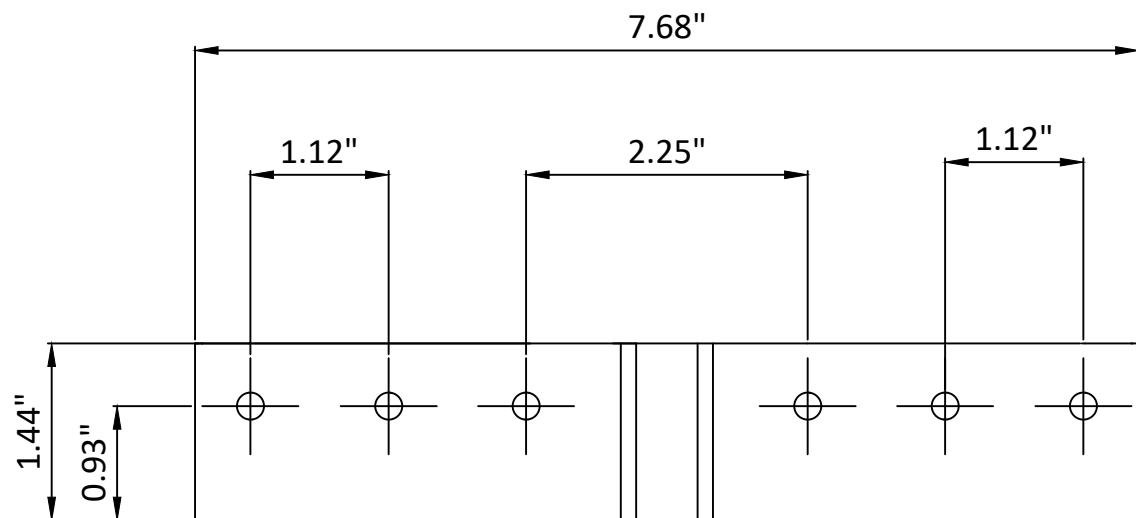
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HERMES F. NORERO
P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT. UNITS 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL 6067
DATE:	10.06.17
DWG. BY:	AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SWD014
SHEET	



MULLION ANCHOR BRACKET 50-2722 (PART #230297)

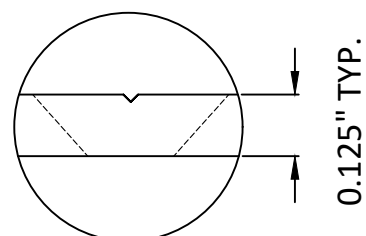
ALUMINUM (6063-T6)

(6) ANCHORS FOR WOOD SCREW OR MULLION TO MULLION ANCHORING

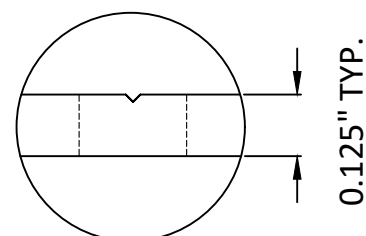
MULLION ANCHOR BRACKET 50-2722 (PART #230297)

ALUMINUM (6063-T6)

(4) ANCHORS FOR CONCRETE & CMU ANCHORING



DETAIL 1
COUNTERSINK HOLE



DETAIL 2
THROUGH HOLE

NOTE:

- EITHER OF THE DETAILS SHOWN ABOVE CAN BE USED AS THE TYPE OF HOLE THROUGH THE MULLION ANCHOR BRACKET, AS LONG AS MIN. EDGE DISTANCE AND MIN, EMBEDMENT REQUIREMENTS ARE MET.

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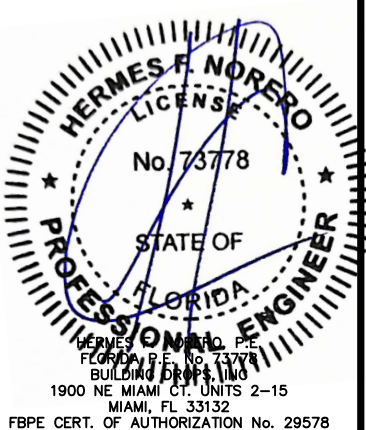
PH: (888) 741-0354

TITLE: **SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
ANCHOR CLIP CONFIGURATIONS**

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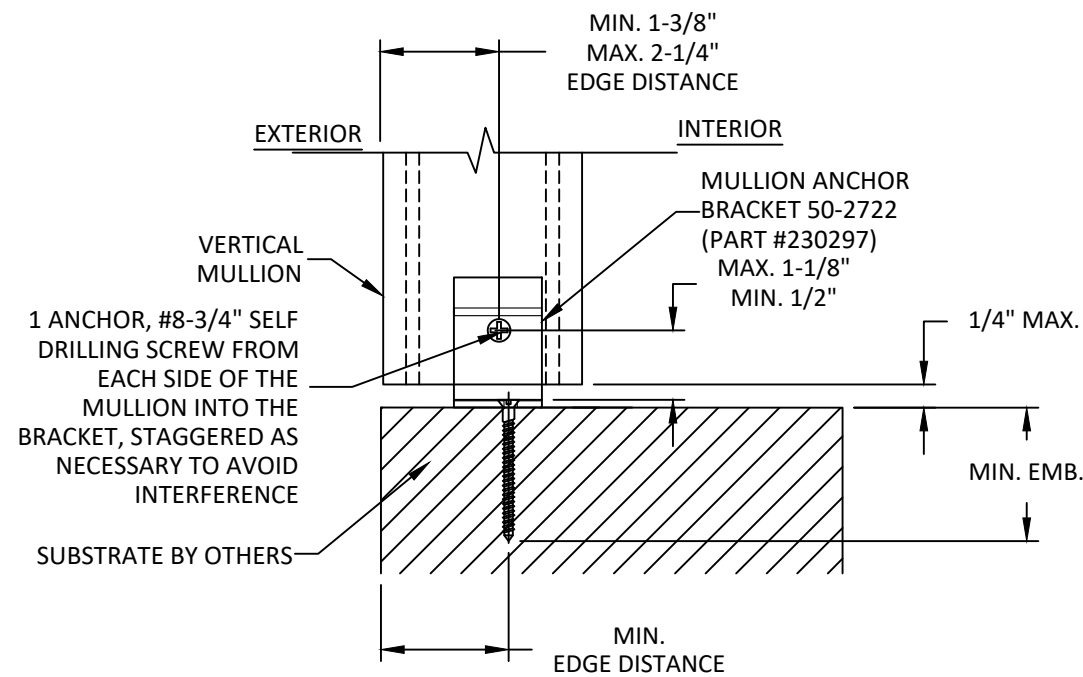
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DWG. #: **SWD014**

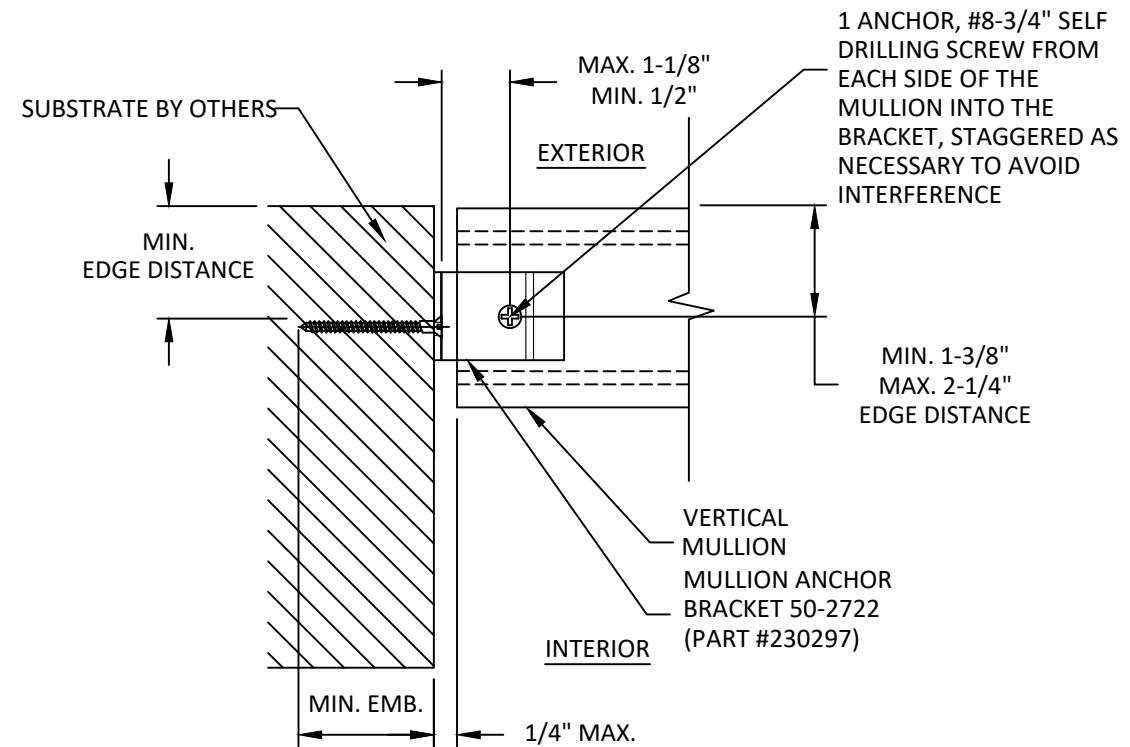
SHEET

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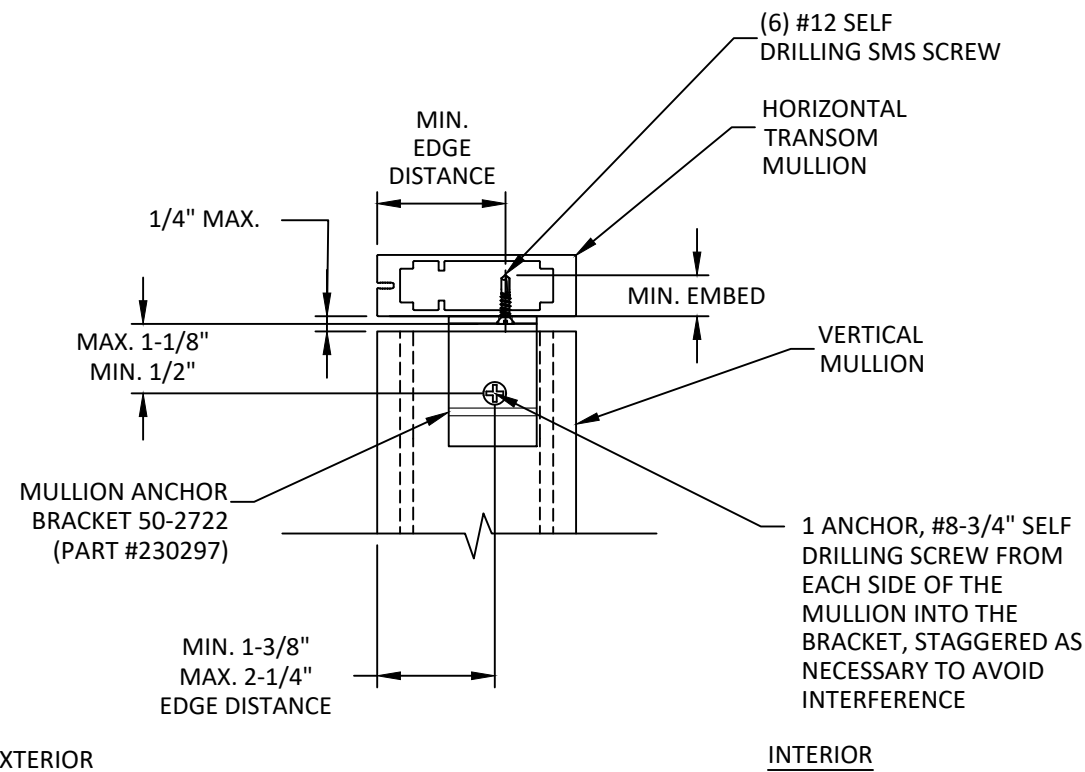
OF 16



A
4 **ANCHOR DETAIL**
MULLION ANCHOR BRACKET 50-2722 (PART #230297)



B
4 **ANCHOR DETAIL**
MULLION ANCHOR BRACKET 50-2722 (PART #230297)



C
4 **VERTICAL SECTION**
ALUMINUM MULLION
SIDE VIEW-VERTICAL

ANCHOR SCHEDULE FOR MULLIONS					
SUBSTRATE	INSTALLATION TYPE	SCREW QTY PER LOCATION	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)
WOOD	ANCHOR BRACKET 50-2722 (PART #230297)	6	#12 WOOD ANCHOR	1-1/2	3/4
CONCRETE/MASONRY	ANCHOR BRACKET 50-2722 (PART #230297)	4	$\frac{1}{4}$ " $\varnothing$ SIMPSON STRONG-TIE TITEN ANCHOR	1-1/2	2
ALUM. MULLION/ALUM./STEEL	ANCHOR BRACKET 50-2722 (PART #230297)	6	#12 SELF-DRILLING SMS	3 THREADS	3/4

NOTE

-HEAD, SILL AND JAMB HAVE SIMILAR DETAILS

NOTE

DETAILS SHOWN ARE TYPICAL FOR ALL MULLION & CLIP ASSEMBLIES. SEE SHEETS 5-10 FOR ALLOWABLE MULLION CONFIGURATIONS, SIZES, AND DESIGN PRESSURES.

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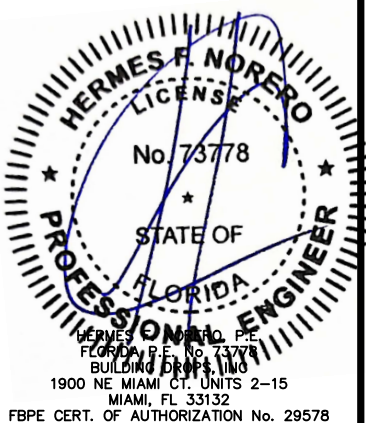
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SHEET

4

OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2723 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	97.4	95.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	95.2	92.5	90.2	88.1	86.3	84.8
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.7	89.5	86.7	84.1	81.9	80.0	78.3	76.8
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.5	92.1	88.2	84.8	81.8	79.1	76.8	74.7	72.8	71.2	69.8
76.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	93.3	88.7	84.6	81.0	77.8	75.0	72.5	70.3	68.3	66.5	65.0	63.6
78.0	100.0	100.0	100.0	100.0	100.0	96.7	91.0	86.0	81.7	77.9	74.5	71.6	68.9	66.6	64.5	62.6	61.0	59.5	58.2
80.0	100.0	100.0	100.0	100.0	95.6	89.4	84.1	79.4	75.4	71.9	68.7	66.0	63.5	61.3	59.3	57.6	56.0	54.6	53.3
82.0	100.0	100.0	100.0	95.4	88.6	82.8	77.8	73.5	69.8	66.5	63.5	60.9	58.6	56.6	54.7	53.1	51.6	50.3	49.1
84.0	100.0	100.0	96.1	88.6	82.3	76.9	72.2	68.2	64.7	61.6	58.9	56.4	54.3	52.3	50.6	49.0	47.6	46.4	45.2
86.0	100.0	97.9	89.4	82.4	76.5	71.5	67.1	63.4	60.1	57.2	54.6	52.4	50.3	48.5	46.9	45.4	44.1	42.9	41.8
88.0	100.0	91.3	83.4	76.8	71.3	66.6	62.5	59.0	55.9	53.2	50.8	48.7	46.8	45.1	43.5	42.1	40.9	39.7	38.7
90.0	94.4	85.3	77.9	71.7	66.5	62.1	58.3	55.0	52.1	49.6	47.3	45.3	43.5	41.9	40.5	39.2	38.0	36.9	35.9
92.0	88.3	79.7	72.8	67.0	62.2	58.1	54.5	51.4	48.7	46.3	44.2	42.3	40.6	39.1	37.7	36.5	35.4	34.3	33.4
94.0	82.7	74.7	68.2	62.8	58.2	54.3	51.0	48.1	45.5	43.3	41.3	39.5	37.9	36.5	35.2	34.0	33.0	32.0	31.1
96.0	77.6	70.1	64.0	58.9	54.6	50.9	47.8	45.1	42.7	40.5	38.7	37.0	35.5	34.1	32.9	31.8	30.8	29.9	29.1
98.0	72.9	65.8	60.1	55.3	51.3	47.8	44.9	42.3	40.0	38.0	36.2	34.7	33.3	32.0	30.8	29.8	28.8	28.0	27.2
100.0	68.6	61.9	56.5	52.0	48.2	44.9	42.1	39.7	37.6	35.7	34.0	32.5	31.2	30.0	28.9	27.9	27.0	26.2	25.5
102.0	64.6	58.3	53.2	48.9	45.4	42.3	39.7	37.4	35.4	33.6	32.0	30.6	29.3	28.2	27.1	26.2	25.4	24.6	23.9
104.0	60.9	55.0	50.1	46.1	42.7	39.9	37.4	35.2	33.3	31.6	30.1	28.8	27.6	26.5	25.5	24.6	23.8	23.1	22.4
106.0	57.5	51.9	47.3	43.5	40.3	37.6	35.2	33.2	31.4	29.8	28.4	27.1	26.0	25.0	24.0	23.2	22.4	21.7	21.1
108.0	54.3	49.0	44.7	41.1	38.1	35.5	33.3	31.3	29.6	28.1	26.8	25.6	24.5	23.5	22.7	21.9	21.1	20.5	19.9

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

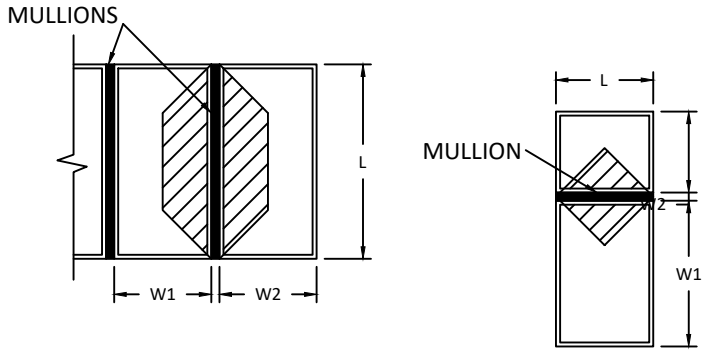
• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

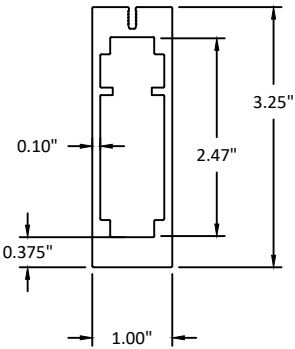
9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



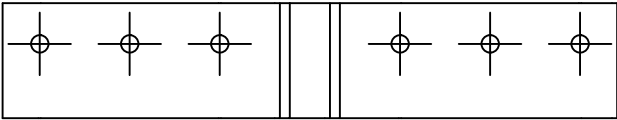
ONE-WAY MULLION DIAGRAMS

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

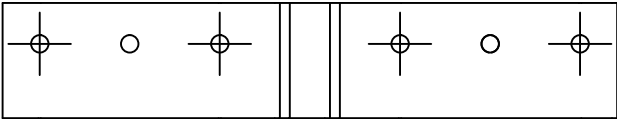
QUALIFIED ANCHOR CLIPS



2723
PART #230295



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

PH: (888) 741-0354

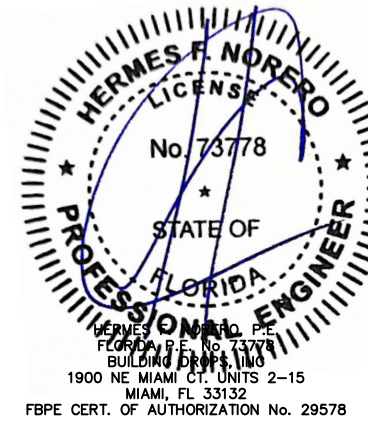
TITLE:
SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2723 MULLION LOAD TABLES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE Miami Ct. Units 2-15
Miami, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:
FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET
5 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2723 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO CMU																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	97.4	95.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	95.2	92.5	90.2	88.1	86.3	84.8
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.7	89.5	86.7	84.1	81.9	80.0	78.3	76.8
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.5	92.1	88.2	84.8	81.8	79.1	76.8	74.7	72.8	71.2	69.8
76.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	93.3	88.7	84.6	81.0	77.8	75.0	72.5	70.3	68.3	66.5	65.0	63.6
78.0	100.0	100.0	100.0	100.0	100.0	96.7	91.0	86.0	81.7	77.9	74.5	71.6	68.9	66.6	64.5	62.6	61.0	59.5	58.2
80.0	100.0	100.0	100.0	100.0	95.6	89.4	84.1	79.4	75.4	71.9	68.7	66.0	63.5	61.3	59.3	57.6	56.0	54.6	53.3
82.0	100.0	100.0	100.0	95.4	88.6	82.8	77.8	73.5	69.8	66.5	63.5	60.9	58.6	56.6	54.7	53.1	51.6	50.3	49.1
84.0	100.0	100.0	96.1	88.6	82.3	76.9	72.2	68.2	64.7	61.6	58.9	56.4	54.3	52.3	50.6	49.0	47.6	46.4	45.2
86.0	100.0	97.9	89.4	82.4	76.5	71.5	67.1	63.4	60.1	57.2	54.6	52.4	50.3	48.5	46.9	45.4	44.1	42.9	41.8
88.0	100.0	91.3	83.4	76.8	71.3	66.6	62.5	59.0	55.9	53.2	50.8	48.7	46.8	45.1	43.5	42.1	40.9	39.7	38.7
90.0	94.4	85.3	77.9	71.7	66.5	62.1	58.3	55.0	52.1	49.6	47.3	45.3	43.5	41.9	40.5	39.2	38.0	36.9	35.9
92.0	88.3	79.7	72.8	67.0	62.2	58.1	54.5	51.4	48.7	46.3	44.2	42.3	40.6	39.1	37.7	36.5	35.4	34.3	33.4
94.0	82.7	74.7	68.2	62.8	58.2	54.3	51.0	48.1	45.5	43.3	41.3	39.5	37.9	36.5	35.2	34.0	33.0	32.0	31.1
96.0	77.6	70.1	64.0	58.9	54.6	50.9	47.8	45.1	42.7	40.5	38.7	37.0	35.5	34.1	32.9	31.8	30.8	29.9	29.1
98.0	72.9	65.8	60.1	55.3	51.3	47.8	44.9	42.3	40.0	38.0	36.2	34.7	33.3	32.0	30.8	29.8	28.8	28.0	27.2
100.0	68.6	61.9	56.5	52.0	48.2	44.9	42.1	39.7	37.6	35.7	34.0	32.5	31.2	30.0	28.9	27.9	27.0	26.2	25.5
102.0	64.6	58.3	53.2	48.9	45.4	42.3	39.7	37.4	35.4	33.6	32.0	30.6	29.3	28.2	27.1	26.2	25.4	24.6	23.9
104.0	60.9	55.0	50.1	46.1	42.7	39.9	37.4	35.2	33.3	31.6	30.1	28.8	27.6	26.5	25.5	24.6	23.8	23.1	22.4
106.0	57.5	51.9	47.3	43.5	40.3	37.6	35.2	33.2	31.4	29.8	28.4	27.1	26.0	25.0	24.0	23.2	22.4	21.7	21.1
108.0	54.3	49.0	44.7	41.1	38.1	35.5	33.3	31.3	29.6	28.1	26.8	25.6	24.5	23.5	22.7	21.9	21.1	20.5	19.9

TABLE NOTES:

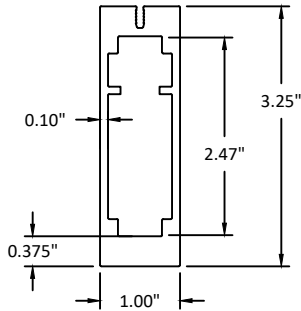
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

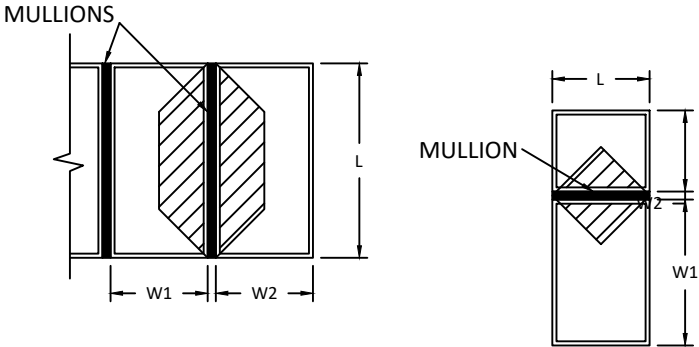
• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2".
HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

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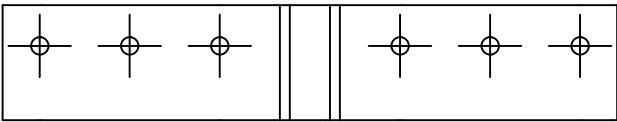
2723
PART #230295



ONE-WAY MULLION DIAGRAMS

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

QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CMU ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

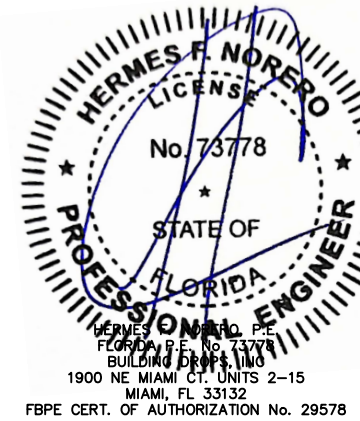
PH: (888) 741-0354

TITLE: **SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)**
2723 MULLION LOAD TABLES -CMU ONLY

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

REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:	FL 6067
DATE:	10.06.17
DWG. BY:	AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SWD014
SHEET	

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2723 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																								
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																							
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.3	94.1	91.0	88.2
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4	94.7	91.3	88.2	85.3	82.5	79.9
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	93.0	89.4	86.1	83.0	80.2	77.5	75.0	72.7
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.2	88.3	84.8	81.5	78.5	75.7	73.1	70.7	68.4	66.3
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	92.3	88.1	84.3	80.8	77.5	74.6	71.8	69.2	66.8	64.6	62.5	60.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	93.5	88.9	84.6	80.8	77.3	74.0	71.1	68.4	65.8	63.5	61.3	59.2	57.3	55.5
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.1	90.7	86.0	81.7	77.8	74.2	71.0	68.0	65.3	62.8	60.5	58.3	56.3	54.4	52.7	51.0
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	88.5	83.6	79.2	75.2	71.6	68.4	65.4	62.7	60.2	57.9	55.7	53.7	51.9	50.1	48.5	47.0
76.0	100.0	100.0	100.0	100.0	100.0	99.2	92.6	86.8	81.7	77.1	73.1	69.4	66.1	63.1	60.4	57.9	55.5	53.4	51.4	49.6	47.9	46.3	44.8	43.4
78.0	100.0	100.0	100.0	100.0	98.8	91.7	85.6	80.3	75.6	71.4	67.6	64.2	61.2	58.4	55.8	53.5	51.4	49.4	47.6	45.9	44.3	42.8	41.4	40.1
80.0	100.0	100.0	100.0	99.2	91.6	85.0	79.4	74.4	70.0	66.1	62.7	59.5	56.7	54.1	51.8	49.6	47.6	45.8	44.1	42.5	41.1	39.7	38.4	37.2
82.0	100.0	100.0	100.0	92.1	85.0	79.0	73.7	69.1	65.0	61.4	58.2	55.3	52.6	50.3	48.1	46.1	44.2	42.5	40.9	39.5	38.1	36.9	35.7	34.5
84.0	100.0	100.0	93.5	85.7	79.1	73.5	68.6	64.3	60.5	57.1	54.1	51.4	49.0	46.7	44.7	42.9	41.1	39.6	38.1	36.7	35.5	34.3	33.2	32.1
86.0	100.0	95.8	87.1	79.9	73.7	68.5	63.9	59.9	56.4	53.2	50.4	47.9	45.6	43.6	41.7	39.9	38.3	36.9	35.5	34.2	33.0	31.9	30.9	29.9
88.0	99.4	89.4	81.3	74.5	68.8	63.9	59.6	55.9	52.6	49.7	47.1	44.7	42.6	40.7	38.9	37.3	35.8	34.4	33.1	31.9	30.8	29.8	28.9	28.0
90.0	92.9	83.6	76.0	69.7	64.3	59.7	55.7	52.3	49.2	46.5	44.0	41.8	39.8	38.0	36.4	34.8	33.4	32.2	31.0	29.9	28.8	27.9	27.0	26.1
92.0	87.0	78.3	71.2	65.2	60.2	55.9	52.2	48.9	46.0	43.5	41.2	39.1	37.3	35.6	34.0	32.6	31.3	30.1	29.0	28.0	27.0	26.1	25.3	24.5
94.0	81.5	73.4	66.7	61.2	56.5	52.4	48.9	45.9	43.2	40.8	38.6	36.7	34.9	33.4	31.9	30.6	29.4	28.2	27.2	26.2	25.3	24.5	23.7	22.9
96.0	76.6	68.9	62.6	57.4	53.0	49.2	45.9	43.1	40.5	38.3	36.3	34.4	32.8	31.3	30.0	28.7	27.6	26.5	25.5	24.6	23.8	23.0	22.2	21.5
98.0	72.0	64.8	58.9	54.0	49.8	46.3	43.2	40.5	38.1	36.0	34.1	32.4	30.8	29.4	28.2	27.0	25.9	24.9	24.0	23.1	22.3	21.6	20.9	20.2
100.0	67.7	61.0	55.4	50.8	46.9	43.5	40.6	38.1	35.9	33.9	32.1	30.5	29.0	27.7	26.5	25.4	24.4	23.4	22.6	21.8	21.0	20.3	19.7	19.0
102.0	63.8	57.4	52.2	47.9	44.2	41.0	38.3	35.9	33.8	31.9	30.2	28.7	27.4	26.1	25.0	23.9	23.0	22.1	21.3	20.5	19.8	19.1	18.5	17.9
104.0	60.2	54.2	49.3	45.2	41.7	38.7	36.1	33.9	31.9	30.1	28.5	27.1	25.8	24.6	23.6	22.6	21.7	20.8	20.1	19.4	18.7	18.1	17.5	16.9
106.0	56.9	51.2	46.5	42.6	39.4	36.6	34.1	32.0	30.1	28.4	26.9	25.6	24.4	23.3	22.3	21.3	20.5	19.7	19.0	18.3	17.6	17.1	16.5	16.0
108.0	53.8	48.4	44.0	40.3	37.2	34.6	32.3	30.2	28.5	26.9	25.5	24.2	23.0	22.0	21.0	20.2	19.4	18.6	17.9	17.3	16.7	16.1	15.6	15.1

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

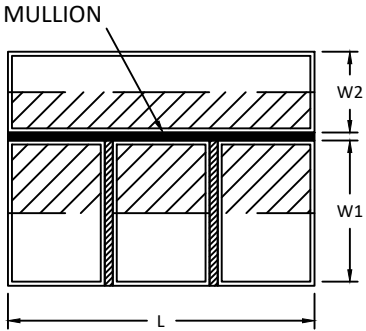
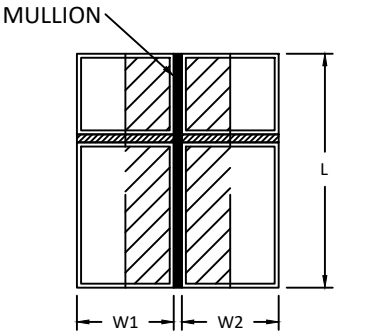
• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
9. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

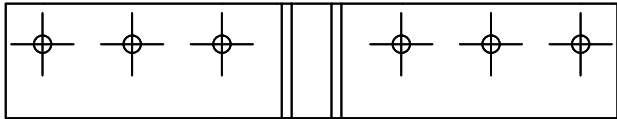
9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

TWO-WAY MULLION DIAGRAMS

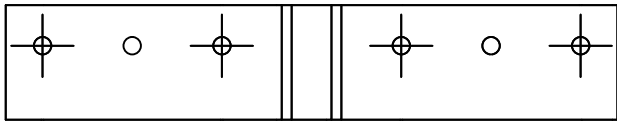


TRIBUTARY WIDTH = $\frac{W1+W2}{2}$

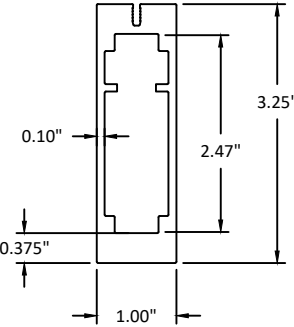
QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING



2723
PART #230295

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

PH: (888) 741-0354

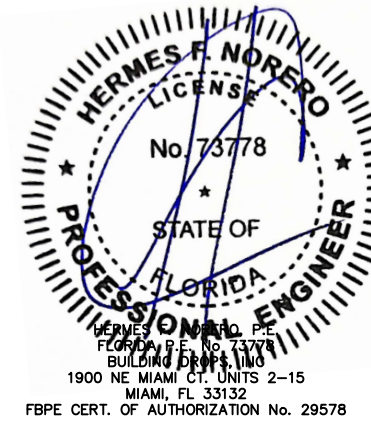
TITLE: **SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2723 MULLION LOAD TABLE**

PREPARED BY: **BUILDING DROPS, INC.**
1900 NE Miami Ct. Units 2-15
Miami, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:

FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2723 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO CMU																									
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																								
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	90.0	85.7	81.8	78.3	75.0	72.0	69.2	66.7	64.3	62.1	60.0	58.1	56.3	
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	91.7	87.1	82.9	79.2	75.7	72.6	69.7	67.0	64.5	62.2	60.1	58.1	56.2	54.4
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.8	88.8	84.4	80.4	76.7	73.4	70.3	67.5	64.9	62.5	60.3	58.2	56.3	54.4	52.7
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	90.9	86.1	81.8	77.9	74.4	71.1	68.2	65.5	62.9	60.6	58.4	56.4	54.5	52.8	51.1
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.4	88.2	83.6	79.4	75.6	72.2	69.1	66.2	63.5	61.1	58.8	56.7	54.8	52.9	51.2	49.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	90.8	85.7	81.2	77.1	73.5	70.1	67.1	64.3	61.7	59.3	57.1	55.1	53.2	51.4	49.8	48.2	
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.8	88.2	83.3	78.9	75.0	71.4	68.2	65.2	62.5	60.0	57.7	55.6	53.6	51.7	50.0	48.4	46.9	
74.0	100.0	100.0	100.0	100.0	100.0	100.0	97.3	91.2	85.9	81.1	76.8	73.0	69.5	66.3	63.5	60.8	58.4	56.1	54.1	52.1	50.3	48.6	47.1	45.6	
76.0	100.0	100.0	100.0	100.0	100.0	99.2	92.6	86.8	81.7	77.1	73.1	69.4	66.1	63.1	60.4	57.9	55.5	53.4	51.4	49.6	47.9	46.3	44.8	43.4	
78.0	100.0	100.0	100.0	100.0	98.8	91.7	85.6	80.3	75.6	71.4	67.6	64.2	61.2	58.4	55.8	53.5	51.4	49.4	47.6	45.9	44.3	42.8	41.4	40.1	
80.0	100.0	100.0	100.0	99.2	91.6	85.0	79.4	74.4	70.0	66.1	62.7	59.5	56.7	54.1	51.8	49.6	47.6	45.8	44.1	42.5	41.1	39.7	38.4	37.2	
82.0	100.0	100.0	100.0	92.1	85.0	79.0	73.7	69.1	65.0	61.4	58.2	55.3	52.6	50.3	48.1	46.1	44.2	42.5	40.9	39.5	38.1	36.9	35.7	34.5	
84.0	100.0	100.0	93.5	85.7	79.1	73.5	68.6	64.3	60.5	57.1	54.1	51.4	49.0	46.7	44.7	42.9	41.1	39.6	38.1	36.7	35.5	34.3	33.2	32.1	
86.0	100.0	95.8	87.1	79.9	73.7	68.5	63.9	59.9	56.4	53.2	50.4	47.9	45.6	43.6	41.7	39.9	38.3	36.9	35.5	34.2	33.0	31.9	30.9	29.9	
88.0	99.4	89.4	81.3	74.5	68.8	63.9	59.6	55.9	52.6	49.7	47.1	44.7	42.6	40.7	38.9	37.3	35.8	34.4	33.1	31.9	30.8	29.8	28.9	28.0	
90.0	92.9	83.6	76.0	69.7	64.3	59.7	55.7	52.3	49.2	46.5	44.0	41.8	39.8	38.0	36.4	34.8	33.4	32.2	31.0	29.9	28.8	27.9	27.0	26.1	
92.0	87.0	78.3	71.2	65.2	60.2	55.9	52.2	48.9	46.0	43.5	41.2	39.1	37.3	35.6	34.0	32.6	31.3	30.1	29.0	28.0	27.0	26.1	25.3	24.5	
94.0	81.5	73.4	66.7	61.2	56.5	52.4	48.9	45.9	43.2	40.8	38.6	36.7	34.9	33.4	31.9	30.6	29.4	28.2	27.2	26.2	25.3	24.5	23.7	22.9	
96.0	76.6	68.9	62.6	57.4	53.0	49.2	45.9	43.1	40.5	38.3	36.3	34.4	32.8	31.3	30.0	28.7	27.6	26.5	25.5	24.6	23.8	23.0	22.2	21.5	
98.0	72.0	64.8	58.9	54.0	49.8	46.3	43.2	40.5	38.1	36.0	34.1	32.4	30.8	29.4	28.2	27.0	25.9	24.9	24.0	23.1	22.3	21.6	20.9	20.2	
100.0	67.7	61.0	55.4	50.8	46.9	43.5	40.6	38.1	35.9	33.9	32.1	30.5	29.0	27.7	26.5	25.4	24.4	23.4	22.6	21.8	21.0	20.3	19.7	19.0	
102.0	63.8	57.4	52.2	47.9	44.2	41.0	38.3	35.9	33.8	31.9	30.2	28.7	27.4	26.1	25.0	23.9	23.0	22.1	21.3	20.5	19.8	19.1	18.5	17.9	
104.0	60.2	54.2	49.3	45.2	41.7	38.7	36.1	33.9	31.9	30.1	28.5	27.1	25.8	24.6	23.6	22.6	21.7	20.8	20.1	19.4	18.7	18.1	17.5	16.9	
106.0	56.9	51.2	46.5	42.6	39.4	36.6	34.1	32.0	30.1	28.4	26.9	25.6	24.4	23.3	22.3	21.3	20.5	19.7	19.0	18.3	17.6	17.1	16.5	16.0	
108.0	53.8	48.4	44.0	40.3	37.2	34.6	32.3	30.2	28.5	26.9	25.5	24.2	23.0	22.0	21.0	20.2	19.4	18.6	17.9	17.3	16.7	16.1	15.6	15.1	

TABLE NOTES:

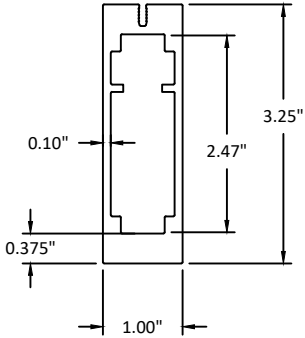
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2".
HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

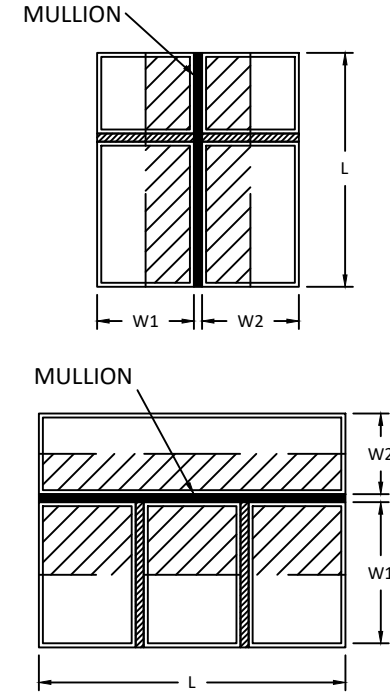
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9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



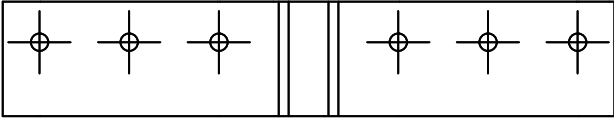
2723
PART #230295

TWO-WAY MULLION
DIAGRAMS

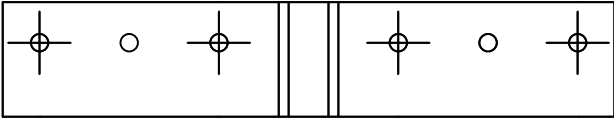


TRIBUTARY WIDTH = $\frac{W1+W2}{2}$

QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CMU ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2723 MULLION LOAD TABLE-CMU ONLY

PREPARED BY:

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


BUILDING DROPS

REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:		FL 6067
DATE:		10.06.17
DWG. BY:	CHK. BY:	
AG	HFN	
SCALE:		NTS
DWG. #:		SWD014
SHEET		

8 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2724 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.2	96.9
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	96.0	93.5	91.3	89.5	87.9	86.6
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	92.5	89.5	86.8	84.4	82.4	80.6	79.1	77.8
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	91.1	87.4	84.1	81.3	78.7	76.5	74.6	72.9	71.4	70.1
72.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	91.6	87.1	83.2	79.7	76.7	74.0	71.7	69.6	67.8	66.2	64.7	63.5
74.0	100.0	100.0	100.0	100.0	100.0	94.2	88.7	84.0	79.8	76.2	73.0	70.2	67.7	65.5	63.5	61.8	60.2	58.9	57.7
76.0	100.0	100.0	100.0	99.7	92.7	86.7	81.6	77.2	73.3	70.0	67.0	64.4	62.0	60.0	58.1	56.5	55.0	53.7	52.6
78.0	100.0	100.0	99.8	92.0	85.5	80.0	75.3	71.1	67.6	64.4	61.6	59.2	57.0	55.1	53.3	51.8	50.4	49.2	48.1
80.0	100.0	100.0	92.3	85.1	79.1	74.0	69.5	65.7	62.4	59.4	56.9	54.6	52.5	50.7	49.1	47.6	46.3	45.2	44.1
82.0	100.0	93.7	85.6	78.9	73.3	68.5	64.4	60.8	57.7	55.0	52.6	50.4	48.5	46.8	45.3	43.9	42.7	41.6	40.6
84.0	96.2	87.0	79.5	73.3	68.0	63.6	59.8	56.4	53.5	51.0	48.7	46.7	44.9	43.3	41.9	40.6	39.4	38.4	37.4
86.0	89.6	81.0	74.0	68.2	63.3	59.1	55.5	52.4	49.7	47.3	45.2	43.3	41.6	40.1	38.8	37.6	36.5	35.5	34.6
88.0	83.6	75.5	69.0	63.5	59.0	55.1	51.7	48.8	46.3	44.0	42.0	40.3	38.7	37.3	36.0	34.8	33.8	32.9	32.0
90.0	78.1	70.5	64.4	59.3	55.0	51.4	48.3	45.5	43.1	41.0	39.2	37.5	36.0	34.7	33.5	32.4	31.4	30.5	29.7
92.0	73.0	66.0	60.2	55.5	51.4	48.0	45.1	42.5	40.3	38.3	36.5	35.0	33.6	32.3	31.2	30.2	29.3	28.4	27.7
94.0	68.4	61.8	56.4	51.9	48.2	45.0	42.2	39.8	37.7	35.8	34.2	32.7	31.4	30.2	29.1	28.2	27.3	26.5	25.8
96.0	64.2	58.0	52.9	48.7	45.2	42.1	39.5	37.3	35.3	33.5	32.0	30.6	29.4	28.2	27.2	26.3	25.5	24.7	24.1
98.0	60.3	54.4	49.7	45.7	42.4	39.6	37.1	35.0	33.1	31.5	30.0	28.7	27.5	26.5	25.5	24.6	23.8	23.1	22.5
100.0	56.7	51.2	46.7	43.0	39.9	37.2	34.9	32.9	31.1	29.5	28.2	26.9	25.8	24.8	23.9	23.1	22.4	21.7	21.1
102.0	53.4	48.2	44.0	40.5	37.5	35.0	32.8	30.9	29.2	27.8	26.5	25.3	24.3	23.3	22.5	21.7	21.0	20.3	19.7
104.0	50.4	45.5	41.5	38.2	35.4	33.0	30.9	29.1	27.5	26.2	24.9	23.8	22.8	21.9	21.1	20.4	19.7	19.1	18.5
106.0	47.5	42.9	39.1	36.0	33.4	31.1	29.2	27.5	26.0	24.7	23.5	22.4	21.5	20.7	19.9	19.2	18.6	18.0	17.4
108.0	44.9	40.6	37.0	34.0	31.5	29.4	27.5	25.9	24.5	23.3	22.2	21.2	20.3	19.5	18.7	18.1	17.5	16.9	16.4

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

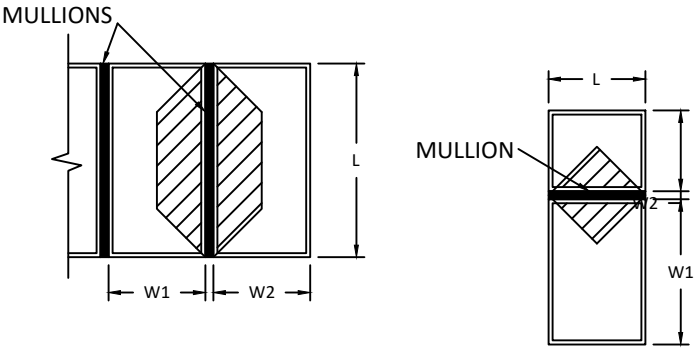
• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

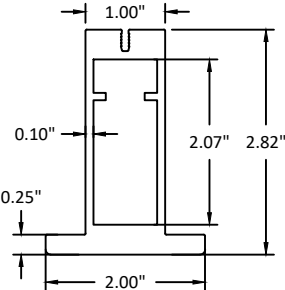
9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



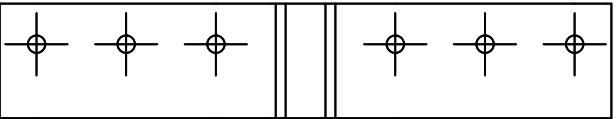
ONE-WAY MULLION DIAGRAMS

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

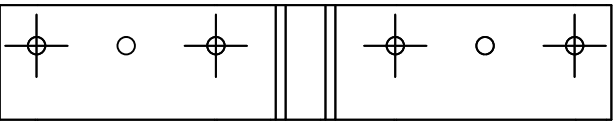


2724

QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

PH: (888) 741-0354

TITLE: **SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2724 MULLION LOAD TABLES**

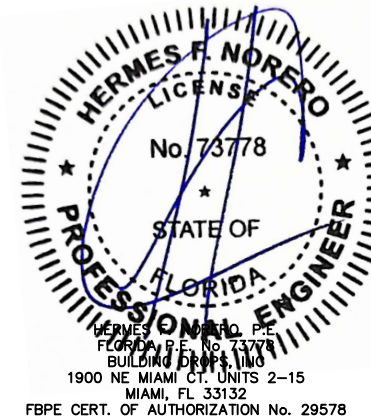
PREPARED BY: **BUILDING DROPS, INC.**

1900 NE Miami Ct. Units 2-15
Miami, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #: **FL 6067**

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2724 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO CMU																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.2	96.9
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	96.0	93.5	91.3	89.5	87.9	86.6
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	92.5	89.5	86.8	84.4	82.4	80.6	79.1	77.8
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	91.1	87.4	84.1	81.3	78.7	76.5	74.6	72.9	71.4	70.1
72.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	91.6	87.1	83.2	79.7	76.7	74.0	71.7	69.6	67.8	66.2	64.7	63.5
74.0	100.0	100.0	100.0	100.0	100.0	94.2	88.7	84.0	79.8	76.2	73.0	70.2	67.7	65.5	63.5	61.8	60.2	58.9	57.7
76.0	100.0	100.0	100.0	99.7	92.7	86.7	81.6	77.2	73.3	70.0	67.0	64.4	62.0	60.0	58.1	56.5	55.0	53.7	52.6
78.0	100.0	100.0	99.8	92.0	85.5	80.0	75.3	71.1	67.6	64.4	61.6	59.2	57.0	55.1	53.3	51.8	50.4	49.2	48.1
80.0	100.0	100.0	92.3	85.1	79.1	74.0	69.5	65.7	62.4	59.4	56.9	54.6	52.5	50.7	49.1	47.6	46.3	45.2	44.1
82.0	100.0	93.7	85.6	78.9	73.3	68.5	64.4	60.8	57.7	55.0	52.6	50.4	48.5	46.8	45.3	43.9	42.7	41.6	40.6
84.0	96.2	87.0	79.5	73.3	68.0	63.6	59.8	56.4	53.5	51.0	48.7	46.7	44.9	43.3	41.9	40.6	39.4	38.4	37.4
86.0	89.6	81.0	74.0	68.2	63.3	59.1	55.5	52.4	49.7	47.3	45.2	43.3	41.6	40.1	38.8	37.6	36.5	35.5	34.6
88.0	83.6	75.5	69.0	63.5	59.0	55.1	51.7	48.8	46.3	44.0	42.0	40.3	38.7	37.3	36.0	34.8	33.8	32.9	32.0
90.0	78.1	70.5	64.4	59.3	55.0	51.4	48.3	45.5	43.1	41.0	39.2	37.5	36.0	34.7	33.5	32.4	31.4	30.5	29.7
92.0	73.0	66.0	60.2	55.5	51.4	48.0	45.1	42.5	40.3	38.3	36.5	35.0	33.6	32.3	31.2	30.2	29.3	28.4	27.7
94.0	68.4	61.8	56.4	51.9	48.2	45.0	42.2	39.8	37.7	35.8	34.2	32.7	31.4	30.2	29.1	28.2	27.3	26.5	25.8
96.0	64.2	58.0	52.9	48.7	45.2	42.1	39.5	37.3	35.3	33.5	32.0	30.6	29.4	28.2	27.2	26.3	25.5	24.7	24.1
98.0	60.3	54.4	49.7	45.7	42.4	39.6	37.1	35.0	33.1	31.5	30.0	28.7	27.5	26.5	25.5	24.6	23.8	23.1	22.5
100.0	56.7	51.2	46.7	43.0	39.9	37.2	34.9	32.9	31.1	29.5	28.2	26.9	25.8	24.8	23.9	23.1	22.4	21.7	21.1
102.0	53.4	48.2	44.0	40.5	37.5	35.0	32.8	30.9	29.2	27.8	26.5	25.3	24.3	23.3	22.5	21.7	21.0	20.3	19.7
104.0	50.4	45.5	41.5	38.2	35.4	33.0	30.9	29.1	27.5	26.2	24.9	23.8	22.8	21.9	21.1	20.4	19.7	19.1	18.5
106.0	47.5	42.9	39.1	36.0	33.4	31.1	29.2	27.5	26.0	24.7	23.5	22.4	21.5	20.7	19.9	19.2	18.6	18.0	17.4
108.0	44.9	40.6	37.0	34.0	31.5	29.4	27.5	25.9	24.5	23.3	22.2	21.2	20.3	19.5	18.7	18.1	17.5	16.9	16.4

TABLE NOTES:

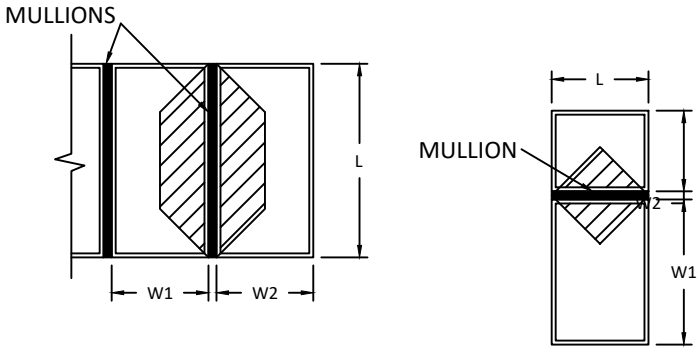
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2".
HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
9. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

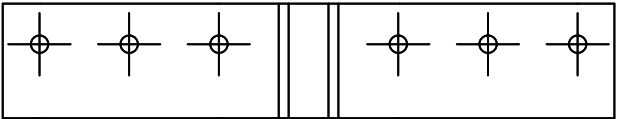
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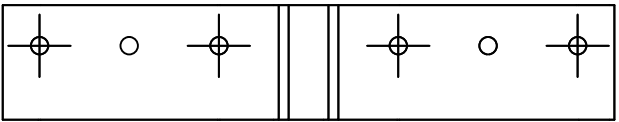
ONE-WAY MULLION DIAGRAMS

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

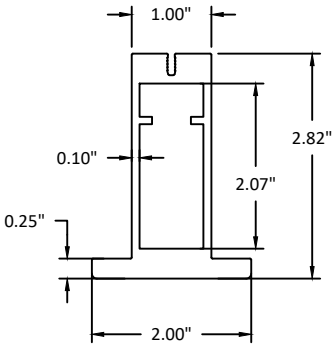
QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CMU ANCHORING



2724

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2724 MULLION LOAD TABLES - CMU ONLY

PREPARED BY:

BUILDING DROPS

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

REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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FL #:
FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET
10 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2724 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																								
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																							
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	93.1	89.5	86.2	83.1	80.3	77.6	75.1	72.7
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.2	92.0	88.2	84.6	81.4	78.4	75.6	73.0	70.5	68.2	66.1
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.2	91.6	87.4	83.6	80.1	76.9	74.0	71.2	68.7	66.3	64.1	62.0	60.1
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	92.3	87.7	83.5	79.7	76.3	73.1	70.2	67.5	65.0	62.6	60.5	58.5	56.6	54.8
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.3	89.1	84.4	80.2	76.4	72.9	69.7	66.8	64.1	61.7	59.4	57.3	55.3	53.5	51.7	50.1
70.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	91.9	86.5	81.7	77.4	73.5	70.0	66.8	63.9	61.3	58.8	56.5	54.4	52.5	50.7	49.0	47.4	45.9
72.0	100.0	100.0	100.0	100.0	100.0	96.5	90.1	84.4	79.5	75.1	71.1	67.5	64.3	61.4	58.7	56.3	54.0	52.0	50.0	48.2	46.6	45.0	43.6	42.2
74.0	100.0	100.0	100.0	100.0	95.7	88.9	83.0	77.8	73.2	69.1	65.5	62.2	59.3	56.6	54.1	51.8	49.8	47.9	46.1	44.4	42.9	41.5	40.1	38.9
76.0	100.0	100.0	100.0	95.7	88.4	82.0	76.6	71.8	67.6	63.8	60.5	57.4	54.7	52.2	49.9	47.9	45.9	44.2	42.5	41.0	39.6	38.3	37.1	35.9
78.0	100.0	100.0	96.6	88.5	81.7	75.9	70.8	66.4	62.5	59.0	55.9	53.1	50.6	48.3	46.2	44.3	42.5	40.9	39.4	37.9	36.6	35.4	34.3	33.2
80.0	100.0	98.5	89.5	82.1	75.8	70.3	65.7	61.6	57.9	54.7	51.8	49.2	46.9	44.8	42.8	41.0	39.4	37.9	36.5	35.2	34.0	32.8	31.8	30.8
82.0	100.0	91.5	83.1	76.2	70.3	65.3	61.0	57.2	53.8	50.8	48.1	45.7	43.5	41.6	39.8	38.1	36.6	35.2	33.9	32.7	31.5	30.5	29.5	28.6
84.0	94.5	85.1	77.3	70.9	65.4	60.8	56.7	53.2	50.0	47.3	44.8	42.5	40.5	38.7	37.0	35.4	34.0	32.7	31.5	30.4	29.3	28.4	27.4	26.6
86.0	88.1	79.3	72.1	66.1	61.0	56.6	52.9	49.5	46.6	44.0	41.7	39.6	37.8	36.0	34.5	33.0	31.7	30.5	29.4	28.3	27.3	26.4	25.6	24.8
88.0	82.2	74.0	67.3	61.7	56.9	52.9	49.3	46.2	43.5	41.1	38.9	37.0	35.2	33.6	32.2	30.8	29.6	28.5	27.4	26.4	25.5	24.7	23.9	23.1
90.0	76.9	69.2	62.9	57.6	53.2	49.4	46.1	43.2	40.7	38.4	36.4	34.6	32.9	31.4	30.1	28.8	27.7	26.6	25.6	24.7	23.9	23.1	22.3	21.6
92.0	71.9	64.8	58.9	54.0	49.8	46.3	43.2	40.5	38.1	36.0	34.1	32.4	30.8	29.4	28.2	27.0	25.9	24.9	24.0	23.1	22.3	21.6	20.9	20.2
94.0	67.5	60.7	55.2	50.6	46.7	43.4	40.5	37.9	35.7	33.7	32.0	30.4	28.9	27.6	26.4	25.3	24.3	23.3	22.5	21.7	20.9	20.2	19.6	19.0
96.0	63.3	57.0	51.8	47.5	43.8	40.7	38.0	35.6	33.5	31.7	30.0	28.5	27.1	25.9	24.8	23.7	22.8	21.9	21.1	20.4	19.7	19.0	18.4	17.8
98.0	59.5	53.6	48.7	44.6	41.2	38.3	35.7	33.5	31.5	29.8	28.2	26.8	25.5	24.4	23.3	22.3	21.4	20.6	19.8	19.1	18.5	17.9	17.3	16.7
100.0	56.0	50.4	45.8	42.0	38.8	36.0	33.6	31.5	29.7	28.0	26.5	25.2	24.0	22.9	21.9	21.0	20.2	19.4	18.7	18.0	17.4	16.8	16.3	15.8
102.0	52.8	47.5	43.2	39.6	36.6	33.9	31.7	29.7	28.0	26.4	25.0	23.8	22.6	21.6	20.7	19.8	19.0	18.3	17.6	17.0	16.4	15.8	15.3	14.8
104.0	49.8	44.8	40.8	37.4	34.5	32.0	29.9	28.0	26.4	24.9	23.6	22.4	21.3	20.4	19.5	18.7	17.9	17.2	16.6	16.0	15.5	14.9	14.5	14.0
106.0	47.0	42.3	38.5	35.3	32.6	30.2	28.2	26.5	24.9	23.5	22.3	21.2	20.2	19.2	18.4	17.6	16.9	16.3	15.7	15.1	14.6	14.1	13.7	13.2
108.0	44.5	40.0	36.4	33.4	30.8	28.6	26.7	25.0	23.5	22.2	21.1	20.0	19.1	18.2	17.4	16.7	16.0	15.4	14.8	14.3	13.8	13.3	12.9	12.5

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

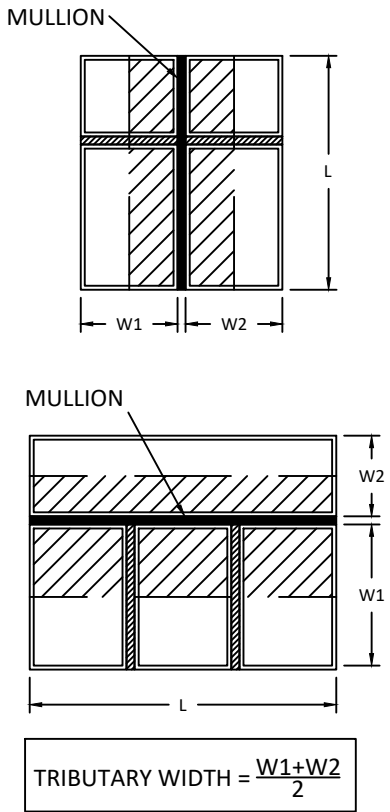
• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

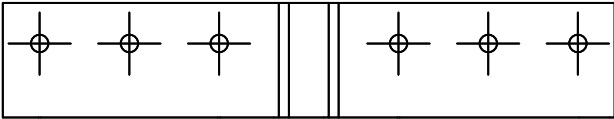
9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

TWO-WAY MULLION
DIAGRAMS



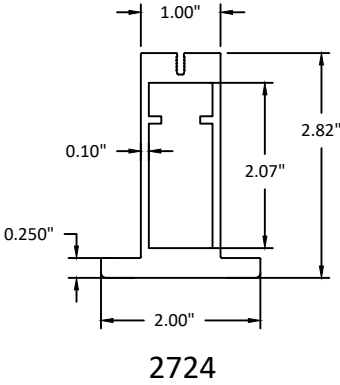
QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING



AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2724 MULLION LOAD TABLES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE Miami Ct. Units 2-15
Miami, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS

BY

DATE

7th FBC EDITION

LH

10/20

8th FBC EDITION

LH

09/23

CURRENT FBC

LH

01/25

CURRENT FBC

LH

07/26

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
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT. UNITS 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL 6067

DATE:

10.06.17

DWG. BY:

AG

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

SWD014

SHEET

11

OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2724 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO CMU																									
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																								
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	90.0	85.7	81.8	78.3	75.0	72.0	69.2	66.7	64.3	62.1	60.0	58.1	56.3	
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	91.7	87.1	82.9	79.2	75.7	72.6	69.7	67.0	64.5	62.2	60.1	58.1	56.2	54.4
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.8	88.8	84.4	80.4	76.7	73.4	70.3	67.5	64.9	62.5	60.3	58.2	56.3	54.4	52.7
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	90.9	86.1	81.8	77.9	74.4	71.1	68.2	65.5	62.9	60.6	58.4	56.4	54.5	52.8	51.1
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.4	88.2	83.6	79.4	75.6	72.2	69.1	66.2	63.5	61.1	58.8	56.7	54.8	52.9	51.2	49.6	
70.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	91.9	86.5	81.7	77.4	73.5	70.0	66.8	63.9	61.3	58.8	56.5	54.4	52.5	50.7	49.0	47.4	45.9	
72.0	100.0	100.0	100.0	100.0	100.0	96.5	90.1	84.4	79.5	75.1	71.1	67.5	64.3	61.4	58.7	56.3	54.0	52.0	50.0	48.2	46.6	45.0	43.6	42.2	
74.0	100.0	100.0	100.0	100.0	95.7	88.9	83.0	77.8	73.2	69.1	65.5	62.2	59.3	56.6	54.1	51.8	49.8	47.9	46.1	44.4	42.9	41.5	40.1	38.9	
76.0	100.0	100.0	100.0	95.7	88.4	82.0	76.6	71.8	67.6	63.8	60.5	57.4	54.7	52.2	49.9	47.9	45.9	44.2	42.5	41.0	39.6	38.3	37.1	35.9	
78.0	100.0	100.0	96.6	88.5	81.7	75.9	70.8	66.4	62.5	59.0	55.9	53.1	50.6	48.3	46.2	44.3	42.5	40.9	39.4	37.9	36.6	35.4	34.3	33.2	
80.0	100.0	98.5	89.5	82.1	75.8	70.3	65.7	61.6	57.9	54.7	51.8	49.2	46.9	44.8	42.8	41.0	39.4	37.9	36.5	35.2	34.0	32.8	31.8	30.8	
82.0	100.0	91.5	83.1	76.2	70.3	65.3	61.0	57.2	53.8	50.8	48.1	45.7	43.5	41.6	39.8	38.1	36.6	35.2	33.9	32.7	31.5	30.5	29.5	28.6	
84.0	94.5	85.1	77.3	70.9	65.4	60.8	56.7	53.2	50.0	47.3	44.8	42.5	40.5	38.7	37.0	35.4	34.0	32.7	31.5	30.4	29.3	28.4	27.4	26.6	
86.0	88.1	79.3	72.1	66.1	61.0	56.6	52.9	49.5	46.6	44.0	41.7	39.6	37.8	36.0	34.5	33.0	31.7	30.5	29.4	28.3	27.3	26.4	25.6	24.8	
88.0	82.2	74.0	67.3	61.7	56.9	52.9	49.3	46.2	43.5	41.1	38.9	37.0	35.2	33.6	32.2	30.8	29.6	28.5	27.4	26.4	25.5	24.7	23.9	23.1	
90.0	76.9	69.2	62.9	57.6	53.2	49.4	46.1	43.2	40.7	38.4	36.4	34.6	32.9	31.4	30.1	28.8	27.7	26.6	25.6	24.7	23.9	23.1	22.3	21.6	
92.0	71.9	64.8	58.9	54.0	49.8	46.3	43.2	40.5	38.1	36.0	34.1	32.4	30.8	29.4	28.2	27.0	25.9	24.9	24.0	23.1	22.3	21.6	20.9	20.2	
94.0	67.5	60.7	55.2	50.6	46.7	43.4	40.5	37.9	35.7	33.7	32.0	30.4	28.9	27.6	26.4	25.3	24.3	23.3	22.5	21.7	20.9	20.2	19.6	19.0	
96.0	63.3	57.0	51.8	47.5	43.8	40.7	38.0	35.6	33.5	31.7	30.0	28.5	27.1	25.9	24.8	23.7	22.8	21.9	21.1	20.4	19.7	19.0	18.4	17.8	
98.0	59.5	53.6	48.7	44.6	41.2	38.3	35.7	33.5	31.5	29.8	28.2	26.8	25.5	24.4	23.3	22.3	21.4	20.6	19.8	19.1	18.5	17.9	17.3	16.7	
100.0	56.0	50.4	45.8	42.0	38.8	36.0	33.6	31.5	29.7	28.0	26.5	25.2	24.0	22.9	21.9	21.0	20.2	19.4	18.7	18.0	17.4	16.8	16.3	15.8	
102.0	52.8	47.5	43.2	39.6	36.6	33.9	31.7	29.7	28.0	26.4	25.0	23.8	22.6	21.6	20.7	19.8	19.0	18.3	17.6	17.0	16.4	15.8	15.3	14.8	
104.0	49.8	44.8	40.8	37.4	34.5	32.0	29.9	28.0	26.4	24.9	23.6	22.4	21.3	20.4	19.5	18.7	17.9	17.2	16.6	16.0	15.5	14.9	14.5	14.0	
106.0	47.0	42.3	38.5	35.3	32.6	30.2	28.2	26.5	24.9	23.5	22.3	21.2	20.2	19.2	18.4	17.6	16.9	16.3	15.7	15.1	14.6	14.1	13.7	13.2	
108.0	44.5	40.0	36.4	33.4	30.8	28.6	26.7	25.0	23.5	22.2	21.1	20.0	19.1	18.2	17.4	16.7	16.0	15.4	14.8	14.3	13.8	13.3	12.9	12.5	

TABLE NOTES:

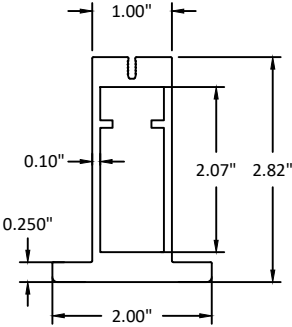
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2".
HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

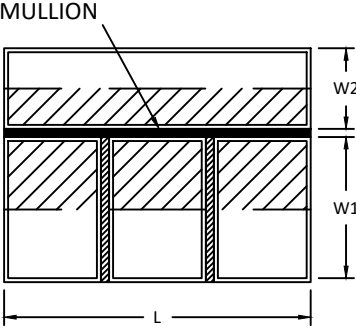
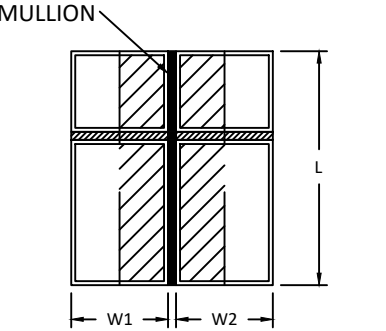
9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



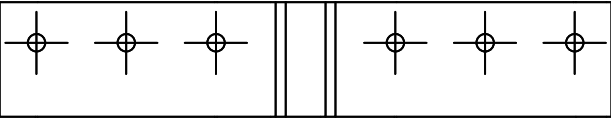
2724

TWO-WAY MULLION
DIAGRAMS

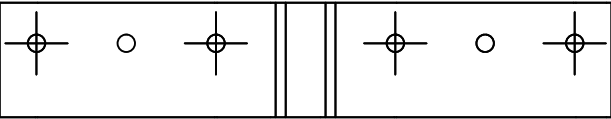


TRIBUTARY WIDTH = $\frac{W1+W2}{2}$

QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CMU ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2724 MULLION LOAD TABLES - CMU ONLY

PREPARED BY:

BUILDING DROPS

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

REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:		FL 6067
DATE:		10.06.17
DWG. BY:	CHK. BY:	
AG	HFN	
SCALE:		NTS
DWG. #:		SWD014
SHEET		

12 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2728 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
76.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	95.2
82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	94.8	92.1	89.7	87.6
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.9	93.4	90.3	87.5	85.0	82.8	80.8
86.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.6	93.5	89.9	86.6	83.7	81.1	78.7	76.6	74.6
88.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	95.0	90.7	86.9	83.5	80.4	77.7	75.2	73.0	71.0	69.1
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	93.1	88.5	84.5	80.9	77.7	74.9	72.3	69.9	67.8	65.9	64.2
92.0	100.0	100.0	100.0	100.0	100.0	100.0	97.3	91.8	86.9	82.7	78.9	75.5	72.5	69.8	67.3	65.1	63.1	61.3	59.7
94.0	100.0	100.0	100.0	100.0	100.0	97.0	91.0	85.9	81.3	77.3	73.7	70.6	67.7	65.2	62.9	60.8	58.9	57.2	55.6
96.0	100.0	100.0	100.0	100.0	97.5	90.9	85.3	80.4	76.2	72.4	69.0	66.0	63.4	60.9	58.8	56.8	55.0	53.4	51.9
98.0	100.0	100.0	100.0	98.7	91.5	85.4	80.1	75.5	71.4	67.9	64.7	61.9	59.4	57.1	55.0	53.2	51.5	49.9	48.5
100.0	100.0	100.0	100.0	92.8	86.0	80.2	75.3	70.9	67.1	63.7	60.8	58.1	55.7	53.6	51.6	49.8	48.2	46.8	45.4
102.0	100.0	100.0	94.9	87.4	81.0	75.5	70.8	66.7	63.1	59.9	57.1	54.6	52.3	50.3	48.5	46.8	45.3	43.9	42.6
104.0	100.0	98.1	89.5	82.3	76.3	71.2	66.7	62.8	59.4	56.4	53.8	51.4	49.3	47.3	45.6	44.0	42.5	41.2	40.0
106.0	100.0	92.6	84.5	77.7	72.0	67.1	62.9	59.3	56.0	53.2	50.7	48.4	46.4	44.6	42.9	41.4	40.0	38.8	37.7
108.0	97.0	87.5	79.8	73.4	68.0	63.4	59.4	56.0	52.9	50.2	47.8	45.7	43.8	42.0	40.5	39.0	37.7	36.5	35.5

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

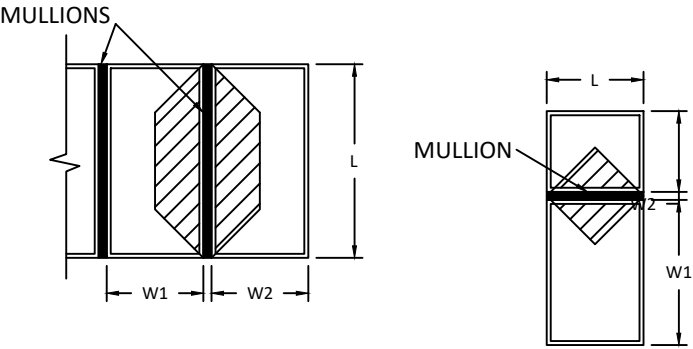
• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

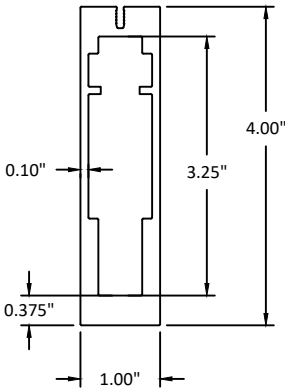
9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

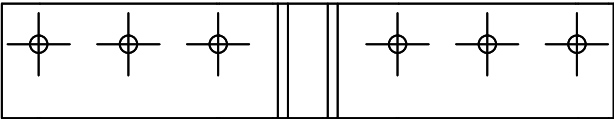


ONE-WAY MULLION DIAGRAMS

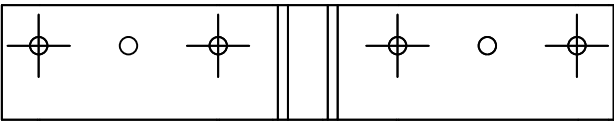
TRIBUTARY WIDTH = $\frac{W1+W2}{2}$



2728
PART #230296



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902

PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2728 MULLION LOAD TABLES

PREPARED BY:

BUILDING DROPS

BUILDING DROPS, INC.
1900 NE Miami Ct. Units 2-15
Miami, FL 33132
PH: (954) 395-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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 #:
FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET
13 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2728 STRUCTURAL MULLIONS (ONE-WAY CONFIGURATIONS) - INSTALLATION TO CMU																			
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																		
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	97.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.8	96.0	94.4	93.0
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.2	95.8	93.8	91.9	90.3	88.9
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	94.4	92.1	90.0	88.2	86.5	85.1
76.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	96.4	93.5	90.9	88.6	86.5	84.7	83.1	81.6
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	93.1	90.2	87.7	85.4	83.3	81.5	79.9	78.4
80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	93.2	90.0	87.2	84.6	82.4	80.4	78.5	76.9	75.5
82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	93.8	90.2	87.1	84.3	81.8	79.6	77.6	75.8	74.2	72.7
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	94.8	90.9	87.4	84.4	81.6	79.2	77.0	75.0	73.2	71.6	70.2
86.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.1	88.2	84.8	81.8	79.1	76.7	74.5	72.6	70.8	69.2	67.8
88.0	100.0	100.0	100.0	100.0	100.0	100.0	98.6	93.8	89.5	85.7	82.4	79.4	76.8	74.4	72.2	70.3	68.6	67.0	65.6
90.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	91.2	87.0	83.3	80.1	77.1	74.5	72.2	70.1	68.2	66.5	64.9	63.5
92.0	100.0	100.0	100.0	100.0	100.0	98.9	93.5	88.8	84.7	81.1	77.9	75.0	72.4	69.8	67.3	65.1	63.1	61.3	59.7
94.0	100.0	100.0	100.0	100.0	100.0	96.4	91.0	85.9	81.3	77.3	73.7	70.6	67.7	65.2	62.9	60.8	58.9	57.2	55.6
96.0	100.0	100.0	100.0	100.0	97.5	90.9	85.3	80.4	76.2	72.4	69.0	66.0	63.4	60.9	58.8	56.8	55.0	53.4	51.9
98.0	100.0	100.0	100.0	98.7	91.5	85.4	80.1	75.5	71.4	67.9	64.7	61.9	59.4	57.1	55.0	53.2	51.5	49.9	48.5
100.0	100.0	100.0	100.0	92.8	86.0	80.2	75.3	70.9	67.1	63.7	60.8	58.1	55.7	53.6	51.6	49.8	48.2	46.8	45.4
102.0	100.0	100.0	94.9	87.4	81.0	75.5	70.8	66.7	63.1	59.9	57.1	54.6	52.3	50.3	48.5	46.8	45.3	43.9	42.6
104.0	100.0	98.1	89.5	82.3	76.3	71.2	66.7	62.8	59.4	56.4	53.8	51.4	49.3	47.3	45.6	44.0	42.5	41.2	40.0
106.0	100.0	92.6	84.5	77.7	72.0	67.1	62.9	59.3	56.0	53.2	50.7	48.4	46.4	44.6	42.9	41.4	40.0	38.8	37.7
108.0	97.0	87.5	79.8	73.4	68.0	63.4	59.4	56.0	52.9	50.2	47.8	45.7	43.8	42.0	40.5	39.0	37.7	36.5	35.5

TABLE NOTES:

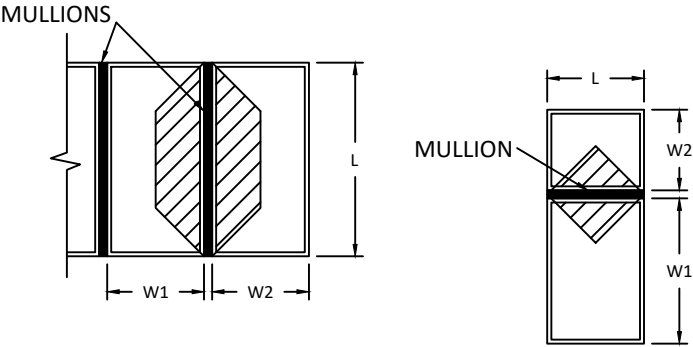
1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2". HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

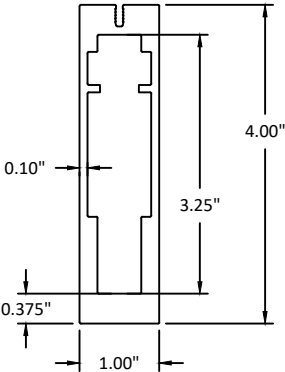
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ONE-WAY MULLION DIAGRAMS

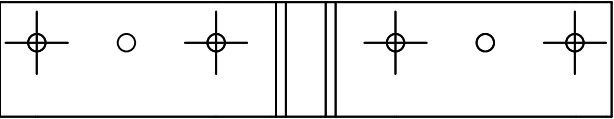
TRIBUTARY WIDTH = $\frac{W1+W2}{2}$



2728
PART #230296



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CMU ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:
SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)

2728 MULLION LOAD TABLES -CMU ONLY

PREPARED BY:

BUILDING DROPS, INC.

1900 NE Miami Ct. Units 2-15

Miami, FL 33132

PH: (954) 399-8478

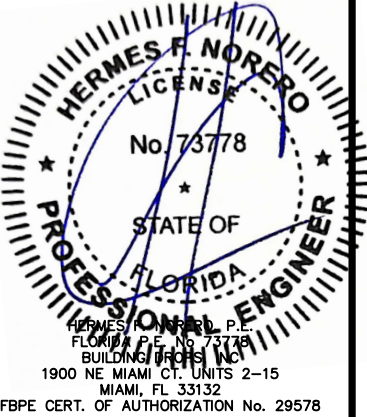
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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FL #:
FL 6067

DATE: 10.06.17

DWG. BY:
AG

CHK. BY:
HFN

SCALE: NTS

DWG. #: SWD014

SHEET
14 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2728 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO WOOD, CONCRETE, ALUMINUM, OR STEEL																									
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																								
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.0	92.9	90.0	
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	96.1	92.9	89.9	87.1
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	93.1	90.0	87.1	84.4
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	93.5	90.3	87.3	84.5	81.8
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	94.1	90.8	87.6	84.7	82.0	79.4	
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	94.9	91.4	88.2	85.1	82.3	79.6	77.1	
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	92.3	88.9	85.7	82.8	80.0	77.4	75.0	
74.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.3	93.4	89.8	86.5	83.4	80.5	77.8	75.3	73.0	
76.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	94.7	90.9	87.4	84.2	81.2	78.4	75.8	73.3	71.1	
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	92.3	88.6	85.2	82.1	79.1	76.4	73.8	71.5	69.2	
80.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	92.4	88.6	85.0	81.8	78.7	75.9	73.3	70.9	68.6	66.4	
82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	94.0	89.7	85.8	82.2	78.9	75.9	73.1	70.5	68.1	65.8	63.7	61.7	
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	91.8	87.4	83.5	79.8	76.5	73.4	70.6	68.0	65.6	63.3	61.2	59.2	57.4	
86.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.1	90.0	85.5	81.5	77.8	74.4	71.3	68.4	65.8	63.4	61.1	59.0	57.0	55.2	53.5	
88.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	93.9	88.7	84.0	79.8	76.0	72.6	69.4	66.5	63.9	61.4	59.1	57.0	55.1	53.2	51.5	49.9	
90.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	93.3	87.8	82.9	78.6	74.6	71.1	67.9	64.9	62.2	59.7	57.4	55.3	53.3	51.5	49.8	48.2	46.7	
92.0	100.0	100.0	100.0	100.0	100.0	99.8	93.2	87.3	82.2	77.6	73.6	69.9	66.6	63.5	60.8	58.2	55.9	53.8	51.8	49.9	48.2	46.6	45.1	43.7	
94.0	100.0	100.0	100.0	100.0	100.0	93.6	87.3	81.9	77.1	72.8	69.0	65.5	62.4	59.6	57.0	54.6	52.4	50.4	48.5	46.8	45.2	43.7	42.3	40.9	
96.0	100.0	100.0	100.0	100.0	94.6	87.9	82.0	76.9	72.4	68.3	64.7	61.5	58.6	55.9	53.5	51.3	49.2	47.3	45.6	43.9	42.4	41.0	39.7	38.4	
98.0	100.0	100.0	100.0	96.4	88.9	82.6	77.1	72.3	68.0	64.2	60.9	57.8	55.1	52.6	50.3	48.2	46.3	44.5	42.8	41.3	39.9	38.5	37.3	36.1	
100.0	100.0	100.0	98.9	90.7	83.7	77.7	72.6	68.0	64.0	60.5	57.3	54.4	51.8	49.5	47.3	45.3	43.5	41.9	40.3	38.9	37.5	36.3	35.1	34.0	
102.0	100.0	100.0	93.2	85.5	78.9	73.2	68.4	64.1	60.3	57.0	54.0	51.3	48.8	46.6	44.6	42.7	41.0	39.4	38.0	36.6	35.4	34.2	33.1	32.0	
104.0	100.0	96.7	88.0	80.6	74.4	69.1	64.5	60.5	56.9	53.7	50.9	48.4	46.1	44.0	42.1	40.3	38.7	37.2	35.8	34.6	33.4	32.2	31.2	30.2	
106.0	100.0	91.4	83.1	76.1	70.3	65.3	60.9	57.1	53.7	50.8	48.1	45.7	43.5	41.5	39.7	38.1	36.5	35.1	33.8	32.6	31.5	30.5	29.5	28.6	
108.0	96.0	86.4	78.5	72.0	66.5	61.7	57.6	54.0	50.8	48.0	45.5	43.2	41.1	39.3	37.6	36.0	34.6	33.2	32.0	30.9	29.8	28.8	27.9	27.0	

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #12 WOOD SCREWS

• CONCRETE: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR

• METAL: #12 SELF-DRILLING SCREWS (GRADE 5)
6. INSTALLATION SUBSTRATES:

• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 0.75". WOOD SHALL BE MIN. S.G.=0.55.

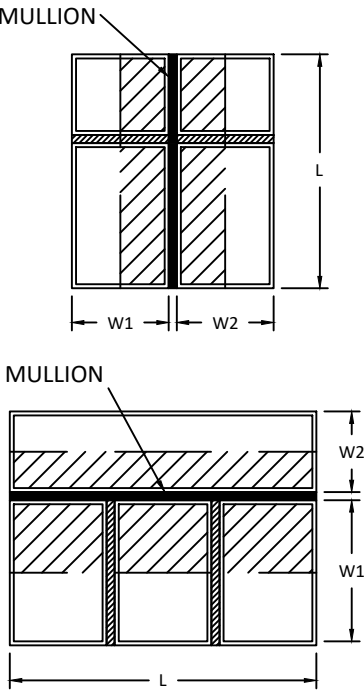
• CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2". CONCRETE SHALL BE MIN. 4000 PSI.

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN. 18 GA. (0.045" THICK) 33 KSI YIELD & ALUMINUM SHALL BE MIN. 0.1" THICK ALUMINUM 6063-T6. WITH MIN. EDGE DISTANCE OF 1" FOR BOTH ALUM. AND STEEL.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
9. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

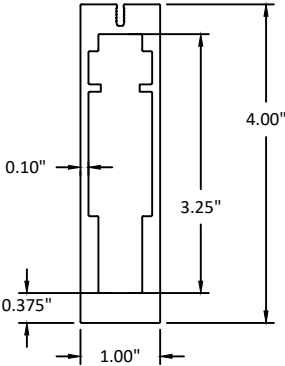
9.2. CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

TWO-WAY MULLION DIAGRAMS

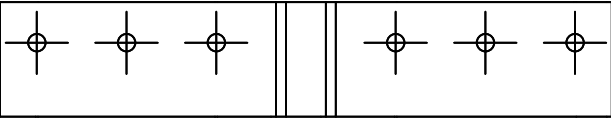


TRIBUTARY WIDTH = $\frac{W1+W2}{2}$

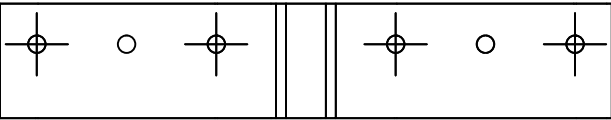
QUALIFIED ANCHOR CLIPS



2728
PART #230296



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR CONCRETE ANCHORING

AMERICAN CRAFTSMAN WINDOWS
PLY GEM WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE:

SERIES 2723 (PART #230295),
2724, 2728 (PART #230296)
(HVHZ) STRUCTURAL BEAM
MULLION (IMPACT)
2728 MULLION LOAD TABLES

PREPARED BY:

BUILDING DROPS, INC.
1900 NE Miami Ct. Units 2-15
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WEB: www.buildingdrops.com



REMARKS	BY	DATE
7th FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
CURRENT FBC	LH	01/25
CURRENT FBC	LH	07/26

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FL #:	FL 6067
DATE:	10.06.17
DWG. BY:	AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SWD014
SHEET	

15 OF 16

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): 2728 STRUCTURAL MULLIONS (TWO-WAY CONFIGURATIONS) - INSTALLATION TO CMU																									
L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)																								
	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	90.0	85.7	81.8	78.3	75.0	72.0	69.2	66.7	64.3	62.1	60.0	58.1	56.3	
62.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	91.7	87.1	82.9	79.2	75.7	72.6	69.7	67.0	64.5	62.2	60.1	58.1	56.2	54.4
64.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.8	88.8	84.4	80.4	76.7	73.4	70.3	67.5	64.9	62.5	60.3	58.2	56.3	54.4	52.7
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	90.9	86.1	81.8	77.9	74.4	71.1	68.2	65.5	62.9	60.6	58.4	56.4	54.5	52.8	51.1
68.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	93.4	88.2	83.6	79.4	75.6	72.2	69.1	66.2	63.5	61.1	58.8	56.7	54.8	52.9	51.2	49.6
70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	90.8	85.7	81.2	77.1	73.5	70.1	67.1	64.3	61.7	59.3	57.1	55.1	53.2	51.4	49.8	48.2	
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.8	88.2	83.3	78.9	75.0	71.4	68.2	65.2	62.5	60.0	57.7	55.6	53.6	51.7	50.0	48.4	46.9	
74.0	100.0	100.0	100.0	100.0	100.0	100.0	97.3	91.2	85.9	81.1	76.8	73.0	69.5	66.3	63.5	60.8	58.4	56.1	54.1	52.1	50.3	48.6	47.1	45.6	
76.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	88.8	83.6	78.9	74.8	71.1	67.7	64.6	61.8	59.2	56.8	54.7	52.6	50.8	49.0	47.4	45.8	44.4	
78.0	100.0	100.0	100.0	100.0	100.0	98.9	92.3	86.5	81.4	76.9	72.9	69.2	65.9	62.9	60.2	57.7	55.4	53.3	51.3	49.5	47.7	46.2	44.7	43.3	
80.0	100.0	100.0	100.0	100.0	100.0	96.4	90.0	84.4	79.4	75.0	71.1	67.5	64.3	61.4	58.7	56.3	54.0	51.9	50.0	48.2	46.6	45.0	43.5	42.2	
82.0	100.0	100.0	100.0	100.0	100.0	94.1	87.8	82.3	77.5	73.2	69.3	65.9	62.7	59.9	57.3	54.9	52.7	50.7	48.8	47.0	45.4	43.9	42.5	41.2	
84.0	100.0	100.0	100.0	100.0	98.9	91.8	85.7	80.4	75.6	71.4	67.7	64.3	61.2	58.4	55.9	53.6	51.4	49.5	47.6	45.9	44.3	42.9	41.5	40.2	
86.0	100.0	100.0	100.0	100.0	96.6	89.7	83.7	78.5	73.9	69.8	66.1	62.8	59.8	57.1	54.6	52.3	50.2	48.3	46.5	44.9	43.3	41.9	40.5	39.2	
88.0	100.0	100.0	100.0	100.0	94.4	87.7	81.8	76.7	72.2	68.2	64.6	61.4	58.4	55.8	53.4	51.1	49.1	47.2	45.5	43.8	42.3	40.9	39.6	38.4	
90.0	100.0	100.0	100.0	100.0	92.3	85.7	80.0	75.0	70.6	66.7	63.2	60.0	57.1	54.5	52.2	50.0	48.0	46.2	44.4	42.9	41.4	40.0	38.7	37.5	
92.0	100.0	100.0	100.0	97.8	90.3	83.9	78.3	73.4	69.1	65.2	61.8	58.7	55.9	53.4	51.0	48.9	47.0	45.2	43.5	41.9	40.5	39.1	37.9	36.7	
94.0	100.0	100.0	100.0	95.7	88.4	82.1	76.6	71.8	67.6	63.8	60.5	57.4	54.7	52.2	50.0	47.9	46.0	44.2	42.6	41.0	39.6	38.3	37.1	35.9	
96.0	100.0	100.0	100.0	93.8	86.5	80.4	75.0	70.3	66.2	62.5	59.2	56.3	53.6	51.1	48.9	46.9	45.0	43.3	41.7	40.2	38.8	37.5	36.3	35.2	
98.0	100.0	100.0	100.0	91.8	84.8	78.7	73.5	68.9	64.8	61.2	58.0	55.1	52.5	50.1	47.9	45.9	44.1	42.4	40.8	39.4	38.0	36.7	35.5	34.4	
100.0	100.0	100.0	98.2	90.0	83.1	77.1	72.0	67.5	63.5	60.0	56.8	54.0	51.4	49.1	47.0	45.0	43.2	41.5	40.0	38.6	37.2	36.0	34.8	33.8	
102.0	100.0	100.0	93.2	85.5	78.9	73.2	68.4	64.1	60.3	57.0	54.0	51.3	48.8	46.6	44.6	42.7	41.0	39.4	38.0	36.6	35.4	34.2	33.1	32.0	
104.0	100.0	96.7	88.0	80.6	74.4	69.1	64.5	60.5	56.9	53.7	50.9	48.4	46.1	44.0	42.1	40.3	38.7	37.2	35.8	34.6	33.4	32.2	31.2	30.2	
106.0	100.0	91.4	83.1	76.1	70.3	65.3	60.9	57.1	53.7	50.8	48.1	45.7	43.5	41.5	39.7	38.1	36.5	35.1	33.8	32.6	31.5	30.5	29.5	28.6	
108.0	96.0	86.4	78.5	72.0	66.5	61.7	57.6	54.0	50.8	48.0	45.5	43.2	41.1	39.3	37.6	36.0	34.6	33.2	32.0	30.9	29.8	28.8	27.9	27.0	

TABLE NOTES:

1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEET 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEET 3 FOR SPECIFIC BRACKET DIMENSIONS.
5. ANCHOR REQUIREMENTS:

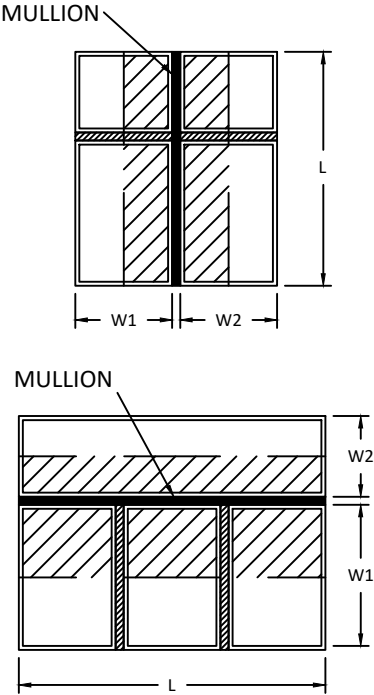
• CMU: 1/4" SIMPSON STRONG-TIE TITEN ANCHOR
6. INSTALLATION SUBSTRATES:

• HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1" & EDGE DISTANCE OF 2".
HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
7. FOR MULL LENGTHS SHORTER THAN 60" USE VALUES FOR 60" LENGTH.
8. MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

9.1. FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

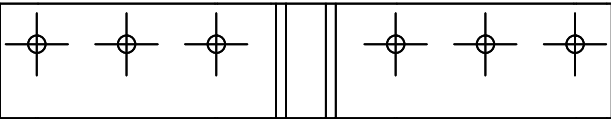
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TWO-WAY MULLION DIAGRAMS

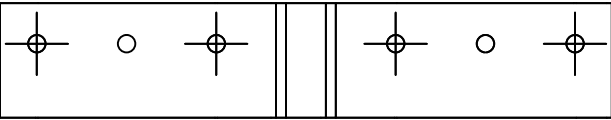


TRIBUTARY WIDTH = $\frac{W1+W2}{2}$

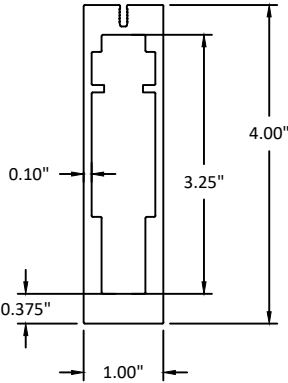
QUALIFIED ANCHOR CLIPS



MULLION ANCHOR BRACKET 50-2722 (PART #230297)
ALUMINUM (6063-T6)
FOR WOOD SCREW OR MULLION TO MULLION ANCHORING



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2728
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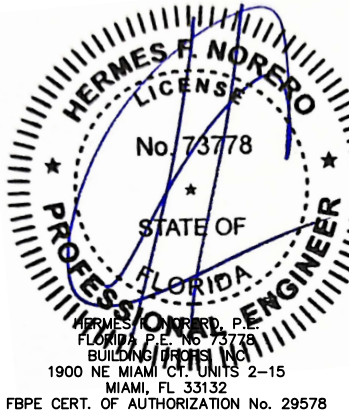
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FL #:
FL 6067

DATE: **10.06.17**

DWG. BY: **AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SWD014**

SHEET
16 OF 16