

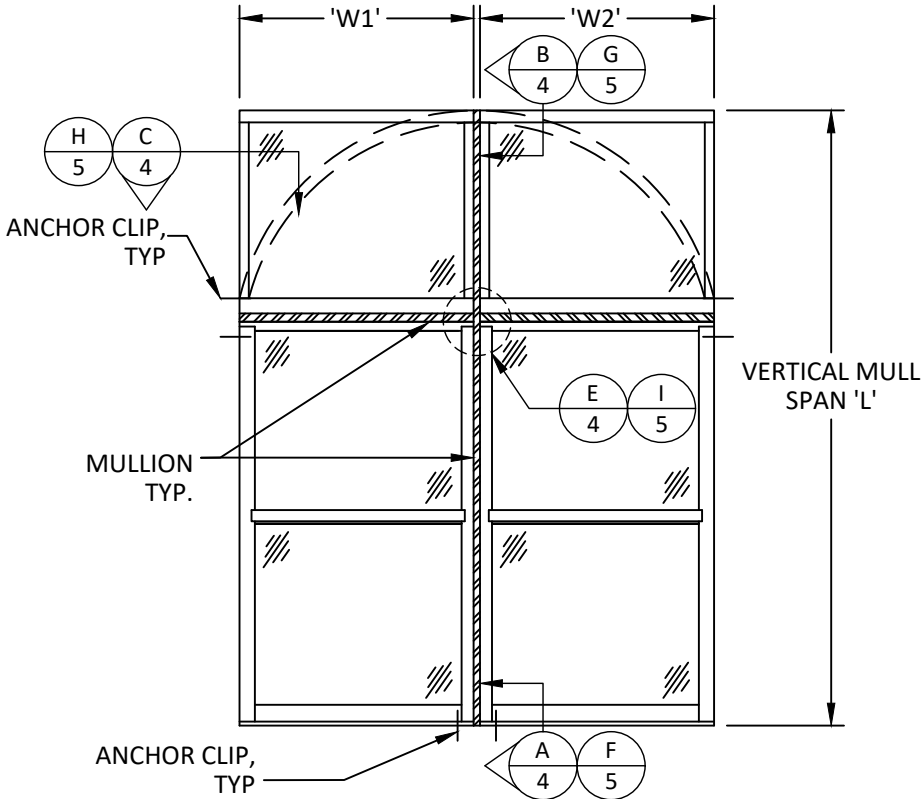
EASTERN ARCHITECTURAL SYSTEMS

WZ3 CLIPPED ALUMINUM TUBE MULLIONS

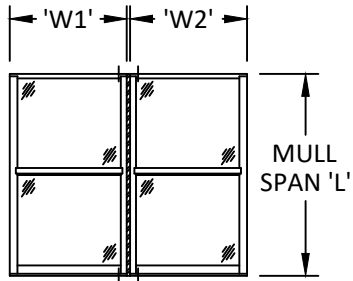
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **EXCLUDING** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** FOR THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS. INDIVIDUAL UNITS ATTACHED TO MULLIONS MUST BE IMPACT RATED.
4. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** FOR THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4. INDIVIDUAL UNITS ATTACHED TO MULLIONS MUST BE IMPACT RATED.
5. 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.
6. 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.
7. 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.
8. MULLION & CLIP MATERIAL: ALUMINUM 6005-T5 & 6063-T6 (AS NOTED)
9. MULLIONS MAY BE USED WITH ANY APPROVED FENESTRATION PRODUCT, UNDER SEPARATE APPROVAL.
10. SEE SHEETS 7-12 FOR INSTALLATION ANCHOR REQUIREMENTS FOR SPECIFIC ANCHORING REQUIREMENTS, MULLION CONFIGURATIONS, AND DESIGN LOAD CAPACITIES.
11. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH CURRENT FLORIDA BUILDING CODE.

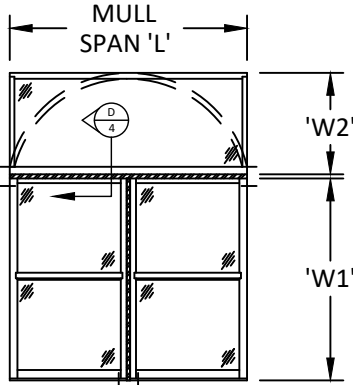
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1	GENERAL NOTES, INSTRUCTIONS, AND ELEVATIONS
2	MULLION CROSS SECTIONS
3	ANCHOR CLIP DETAILS
4	MULLION SECTIONS
5	MULLION SECTIONS
6	TYPICAL MULLION & CLIP ASSEMBLIES
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11	2" X 4" MULLION DESIGN LOAD TABLES
12	2" X 6" MULLION DESIGN LOAD TABLES
13	MULLION ASSEMBLY AND LOAD EXAMPLES



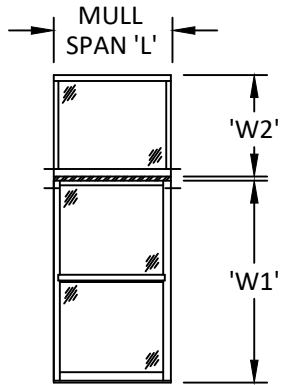
TYPICAL MULLION ASSEMBLY



VERTICAL SPAN



HORIZONTAL "T" MULL SPAN

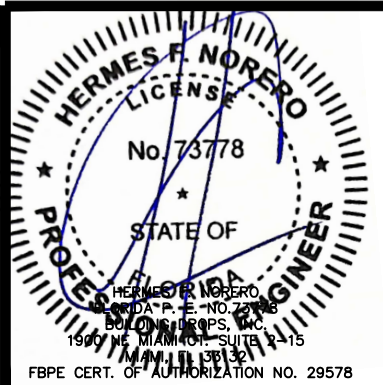


HORIZONTAL SPAN

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 7-12.
5. QUALIFIED CLIP TYPES APPEAR ON SHEETS 7-12. MULTIPLE ANCHOR TYPE/SUBSTRATE/CLIP COMBINATIONS WITHIN AN OPENING ARE ALLOWED.
6. THE LESSER DESIGN PRESSURE OR MULLION OR FENESTRATION PRODUCT WILL GOVERN OVERALL ASSEMBLY DESIGN PRESSURE RATING.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.11 15:56:34 +02'00'



REVISIONS			
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BY	DATE	DESCRIPTION	REV



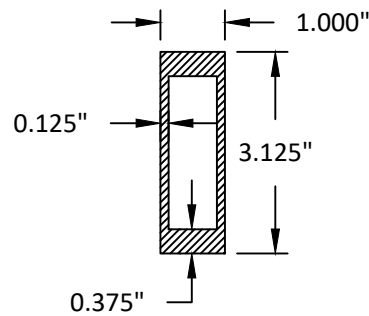
EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS
16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
GENERAL AND INSTALLATION ELEVATIONS

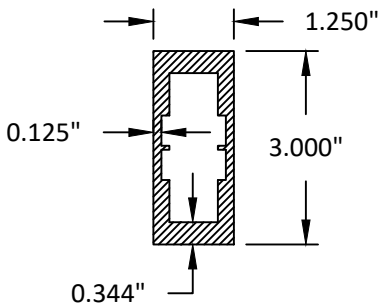
DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SCALE: N.T.S.
SHEET: 1 OF 13

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

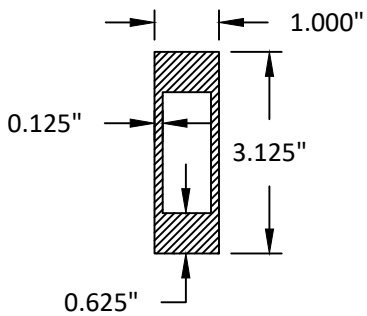




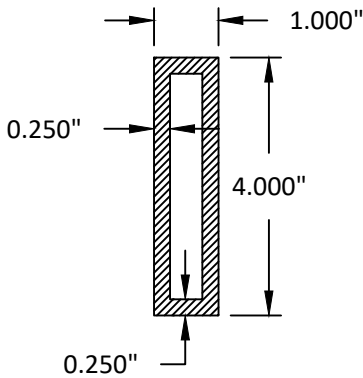
**1" X 3-1/8" (LIGHT)
MULLION**
SEE SHEET 7 FOR
QUALIFIED CLIPS



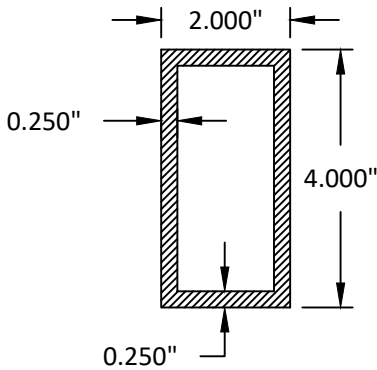
**1-1/4" X 3"
MULLION**
SEE SHEET 8 FOR
QUALIFIED CLIPS



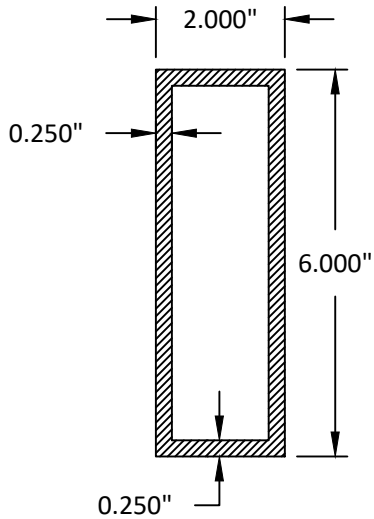
**1" X 3-1/8" (HEAVY)
MULLION**
SEE SHEET 9 FOR
QUALIFIED CLIPS



**1" X 4"
MULLION**
SEE SHEET 10 FOR
QUALIFIED CLIPS



**2" X 4"
MULLION**
SEE SHEET 11 FOR
QUALIFIED CLIPS



**2" X 6"
MULLION**
SEE SHEET 12 FOR
QUALIFIED CLIPS

NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.



REVISIONS			
BY	DATE	DESCRIPTION	REV

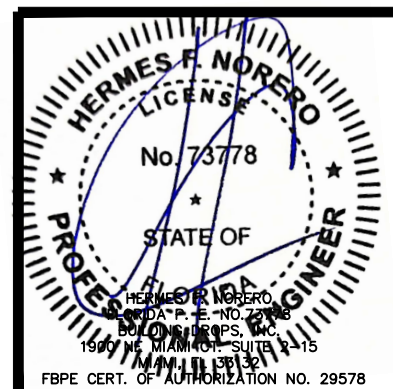
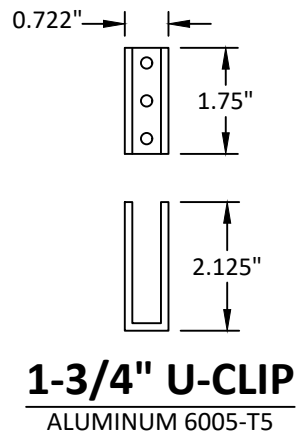
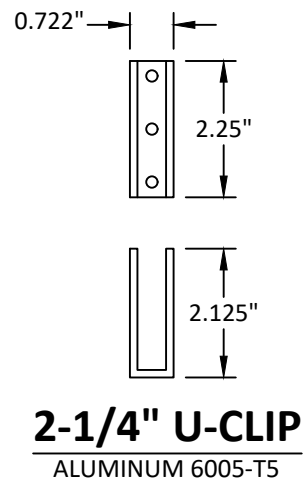
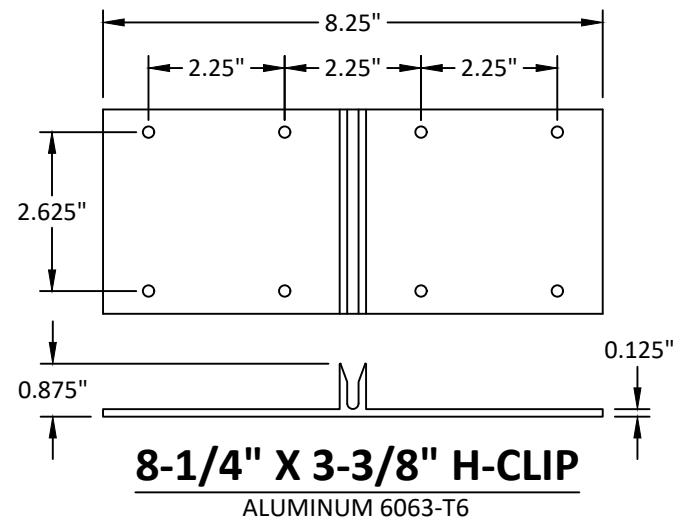
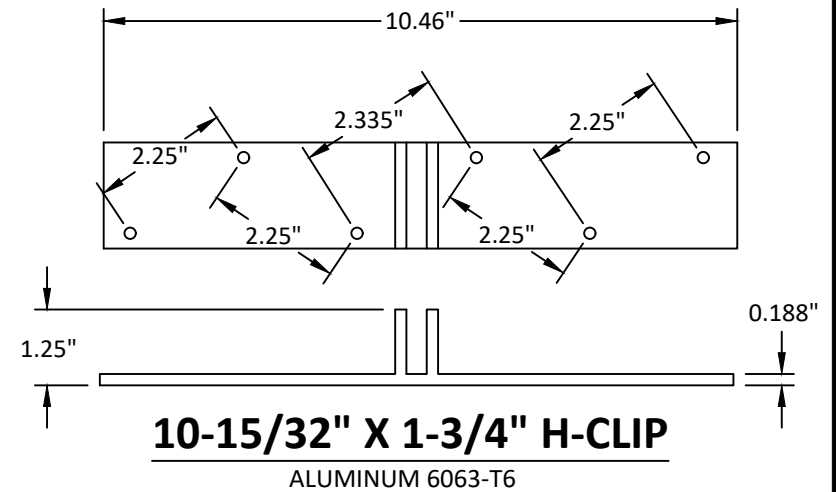
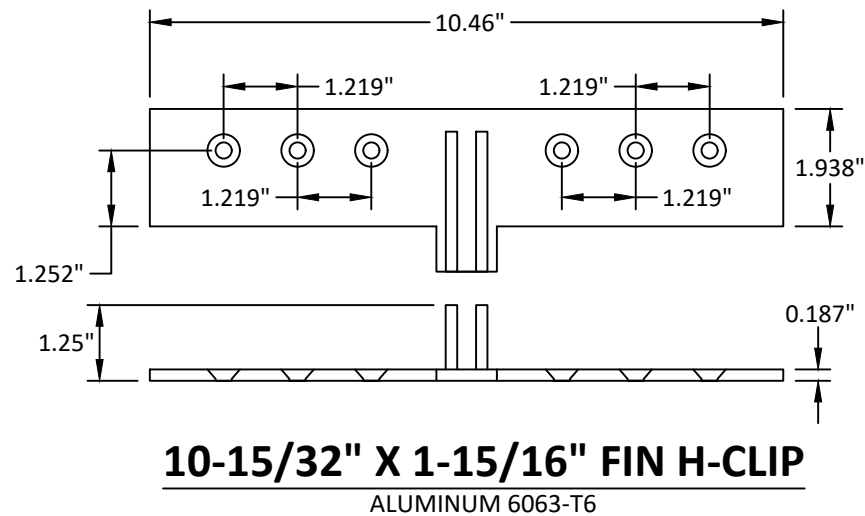
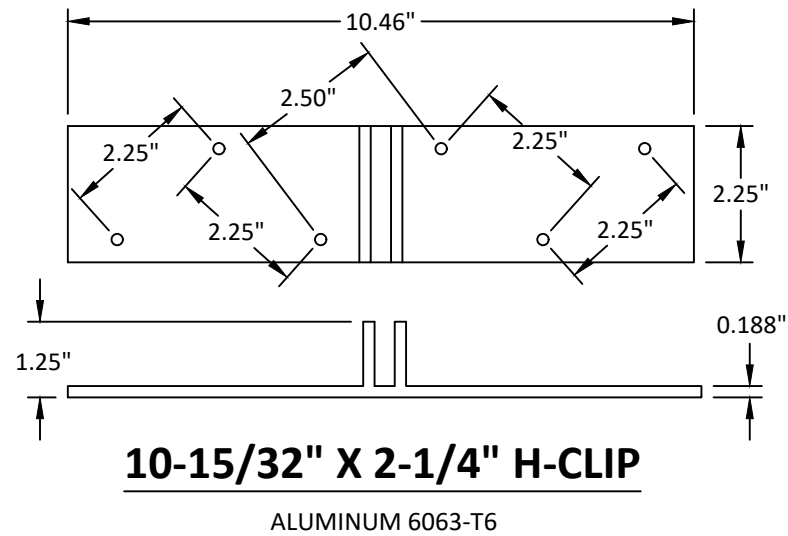
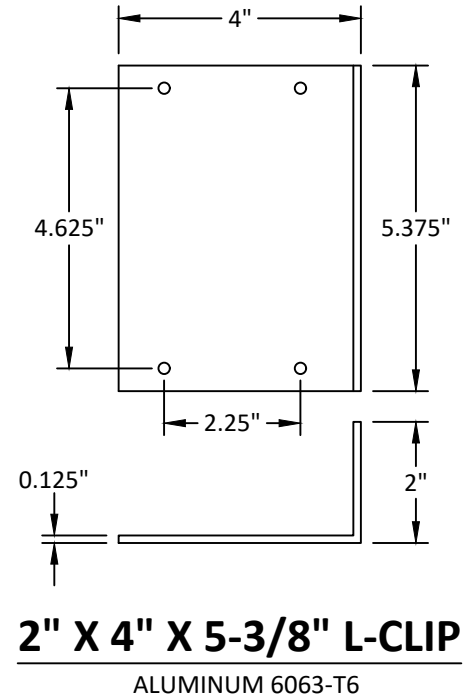
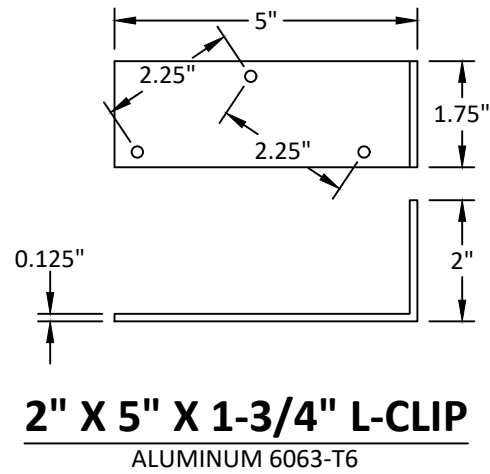
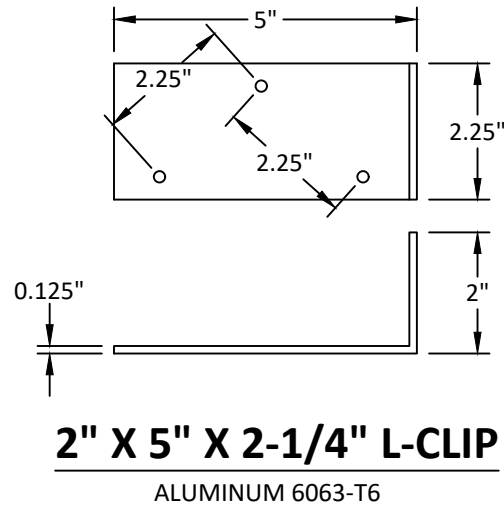
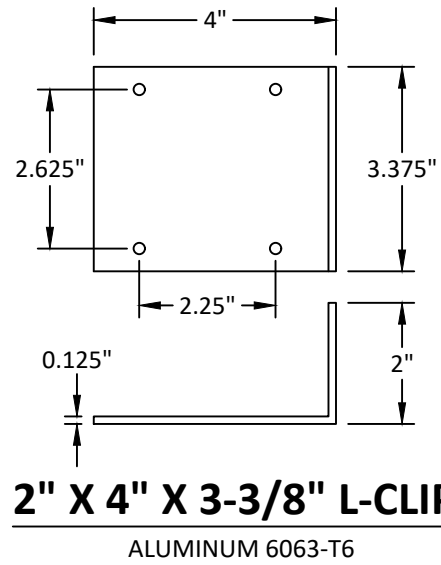


EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
**WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
MULLION CROSS SECTIONS**

DATE: 09/07/23	DRAWN BY: SH	PREPARED BY: BUILDING DROPS, INC.
DRAWING NO: EAS068	SCALE: N.T.S.	 1900 NE MIAMI CT. SUITE 2-15 MIAMI, FL 33132 PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com
SHEET: 2 OF 13	REV: -	



REVISIONS			
BY	DATE	DESCRIPTION	REV



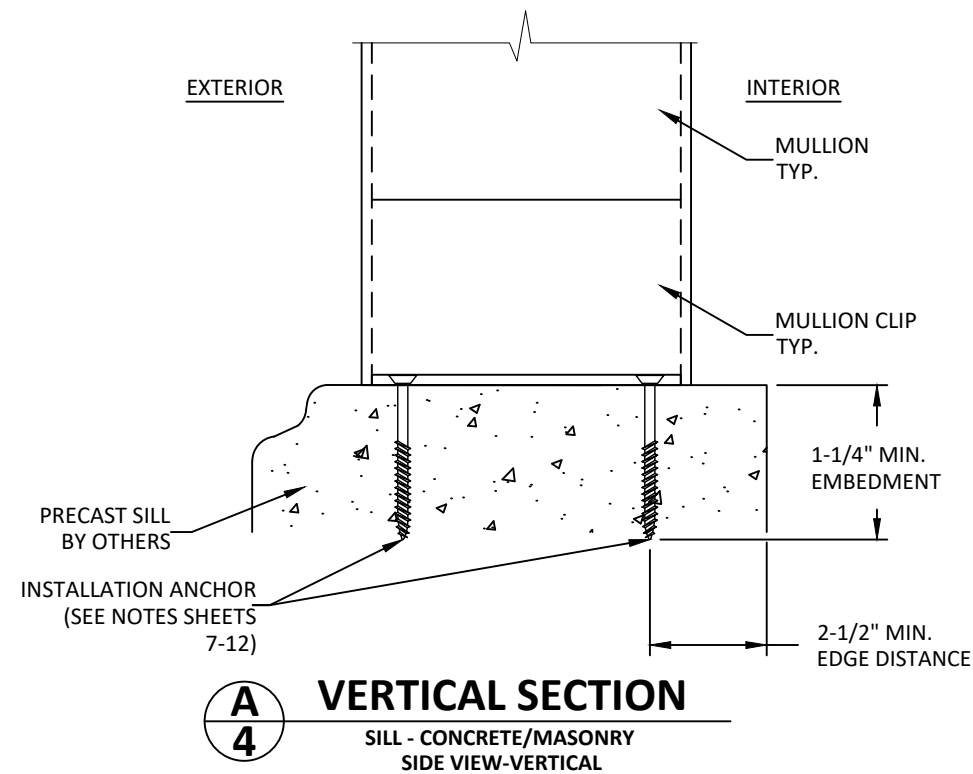
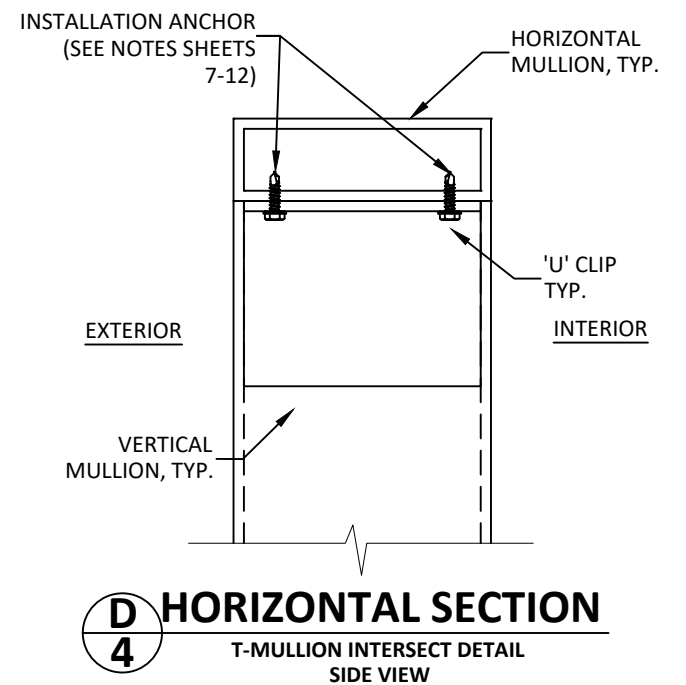
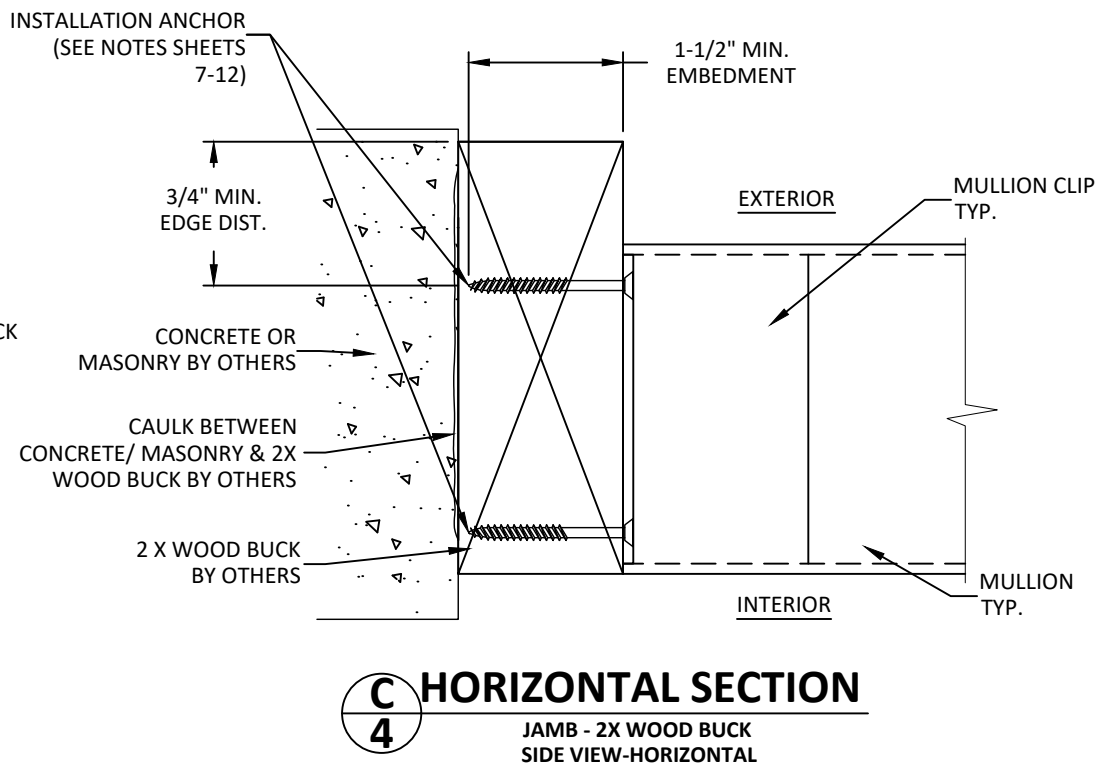
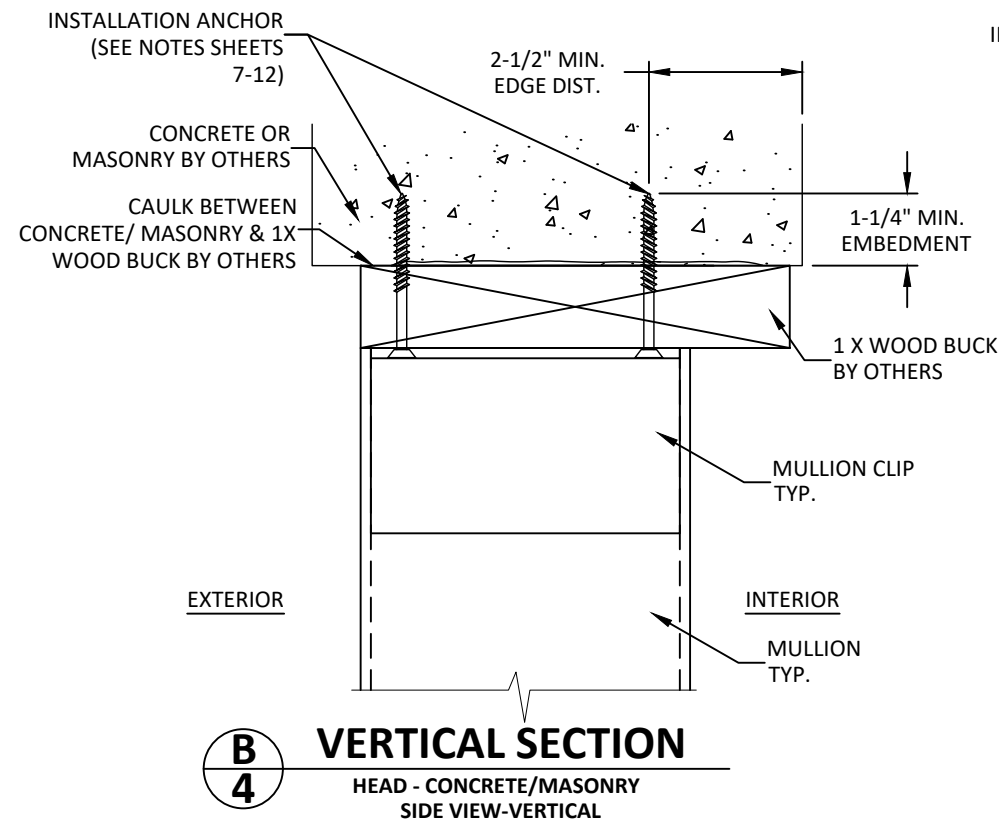
EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS
16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
CLIP DETAILS

DATE: 09/07/23
DRAWING NO: EAS068
SHEET: 3 OF 13

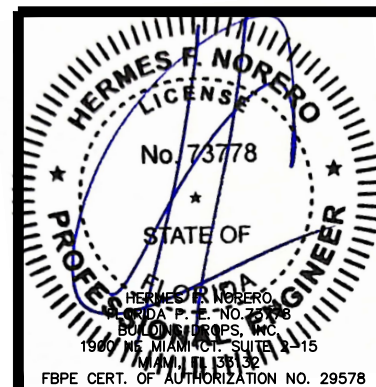
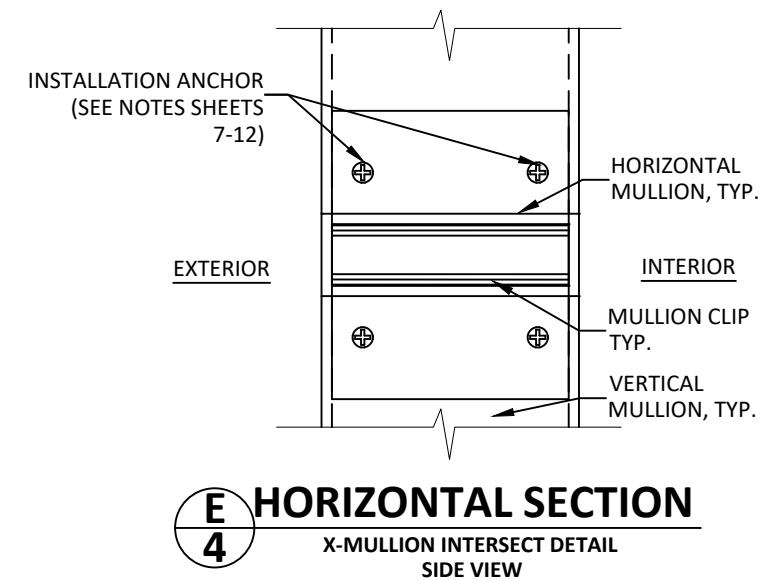
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SCALE: N.T.S.
REV: -

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MIAMI, FL 33132
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NOTE

DETAILS SHOWN ARE TYPICAL FOR ALL MULLION & CLIP ASSEMBLIES. SEE SHEETS 7-12 FOR ALLOWABLE MULLION CONFIGURATIONS, SIZES, AND DESIGN PRESSURES.



REVISIONS			
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:

**WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
INSTALLATION DETAILS**

DATE: 09/07/23

DRAWING NO: EAS068

SHEET: 4 OF 13

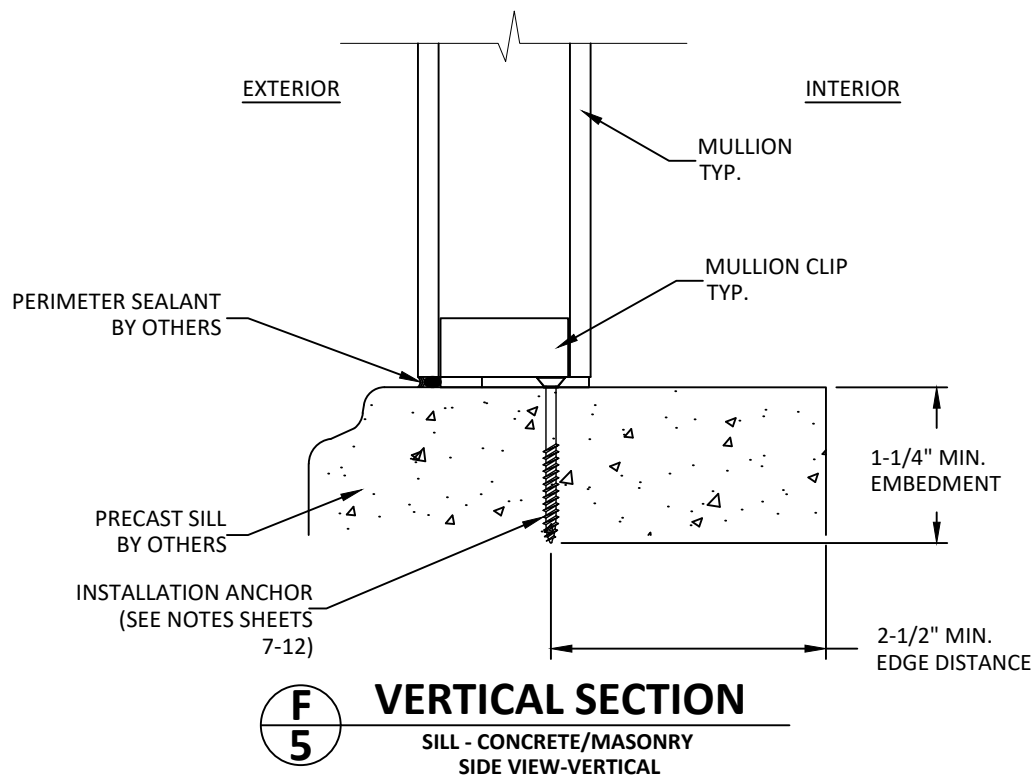
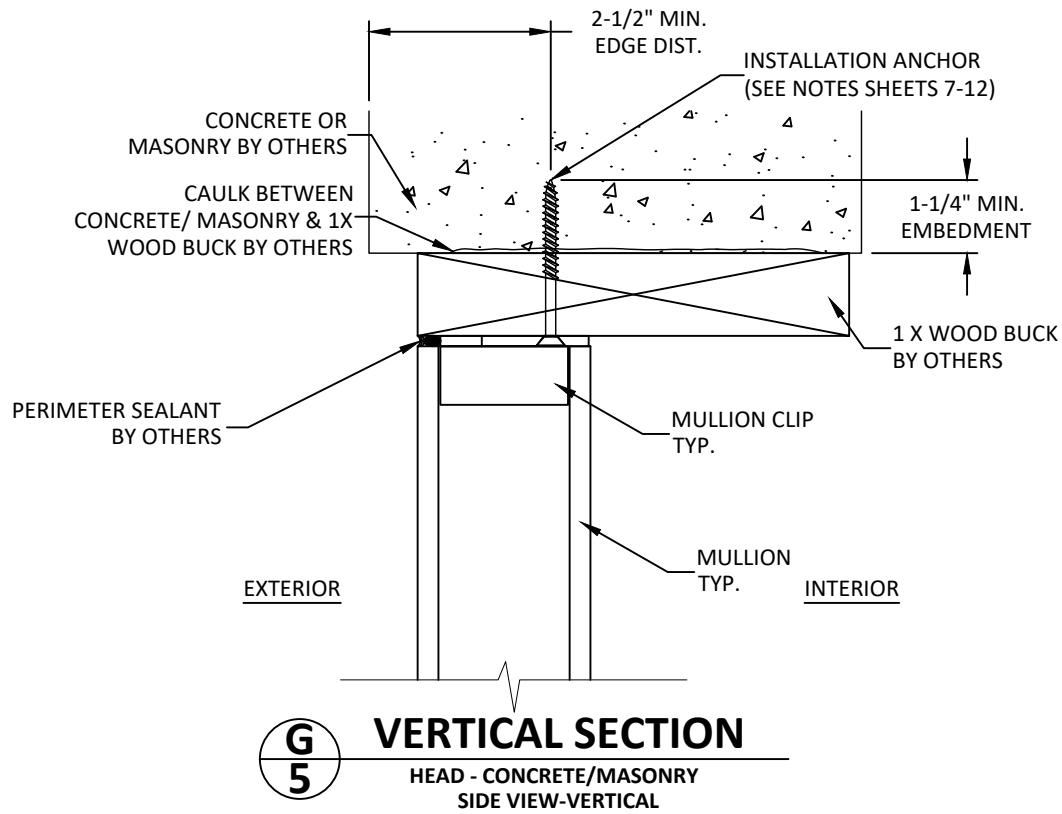
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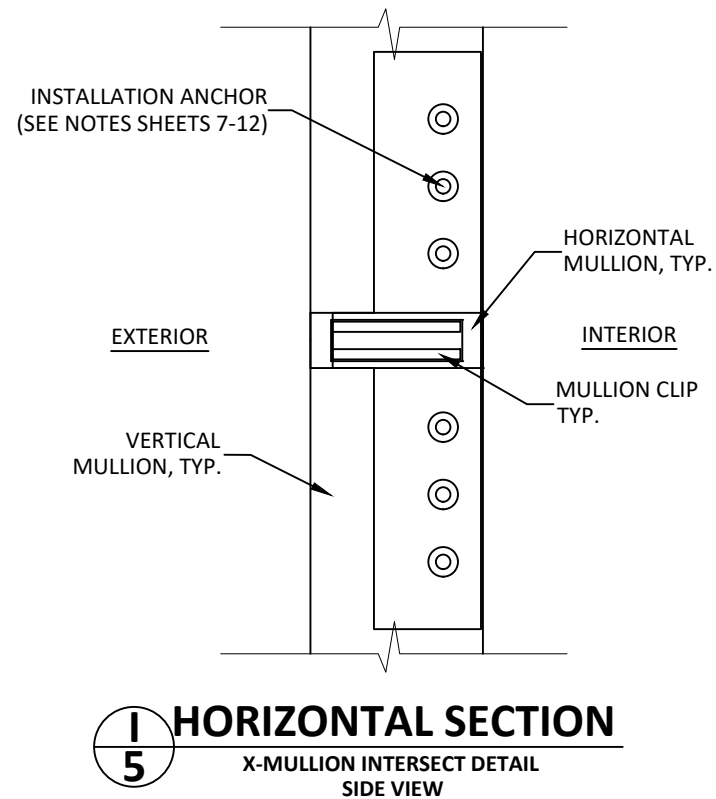
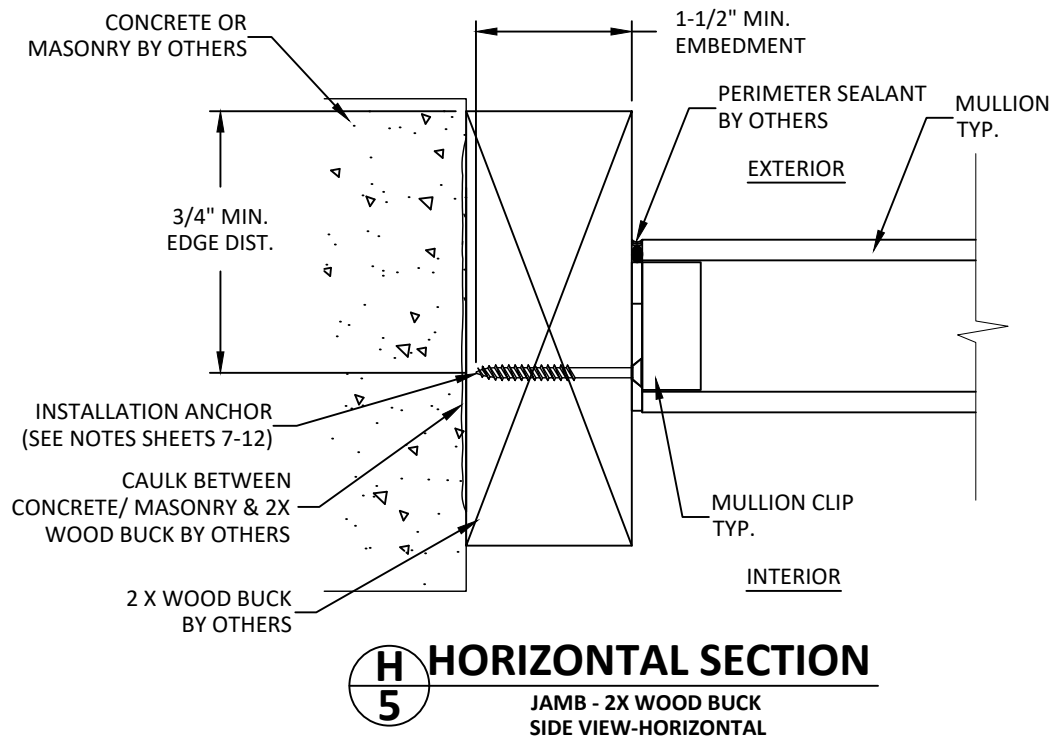
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MIAMI, FL 33132
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FAX: (954)744.4738
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NOTE

DETAILS SHOWN ARE TYPICAL FOR MULLIONS ON SHEETS 7 & 8. SEE SHEETS 7 & 8 FOR ALLOWABLE MULLION CONFIGURATIONS, SIZES, AND DESIGN PRESSURES.



REVISIONS			
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:

**WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
INSTALLATION DETAILS**

DATE: 09/07/23

DRAWING NO: EAS068

SHEET: 5 OF 13

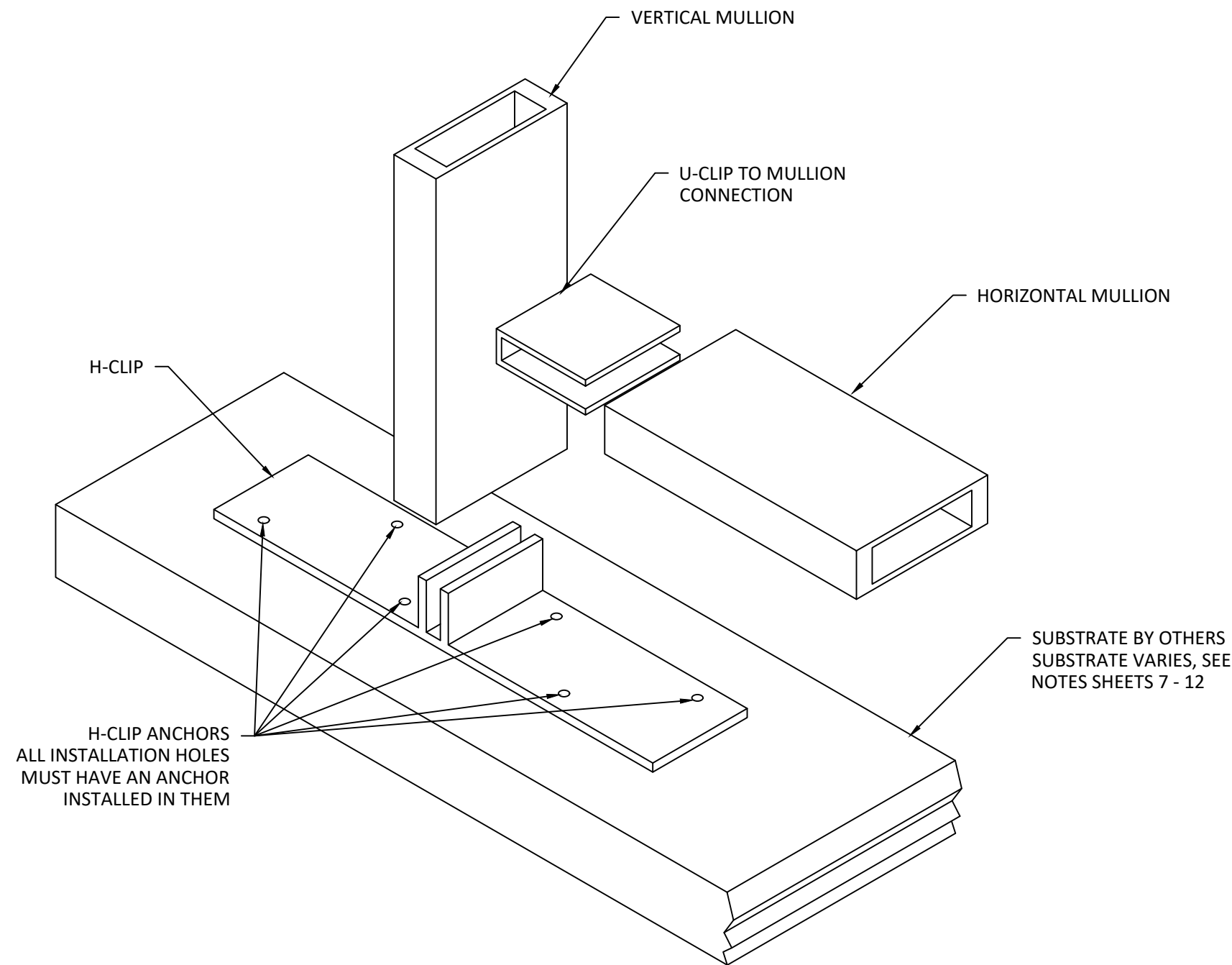
DRAWN BY: SH

SCALE: N.T.S.

REV: -

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MULLION AND CLIP ASSEMBLY

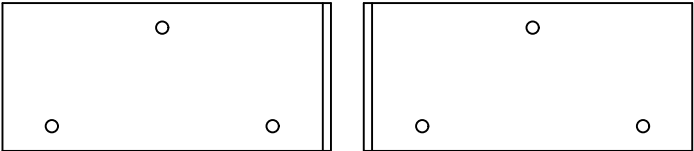
TYPICAL ASSEMBLY SHOWN WITH 1" x 3 1/8" MULLION
AND H-CLIP. OTHER MULLIONS AND CLIPS ARE APPROVED.
SEE INDIVIDUAL MULLION SHEETS

	REVISIONS						EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF CORNERSTONE BUILDING BRANDS 16341 DOMESTIC AVE. FT MYERS, FL 33912 1-877-401-2190	
					TITLE:		WZ3 CLIPPED ALUMINUM TUBE MULLIONS VERTICAL AND HORIZONTAL CONFIGURATIONS MULLION AND CLIP ASSEMBLY DETAILS	
					DATE:	DRAWN BY:	PREPARED BY: BUILDING DROPS, INC.	
					09/07/23	SH	1900 NE MIAMI CT. SUITE 2-15 MIAMI, FL 33132 PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com	
				DRAWING NO:	SCALE:			
				EAS068	N.T.S.			
				SHEET:	REV:			
				6 OF 13	-			
BY	DATE	DESCRIPTION		REV				

DESIGN PRESSURE LIMITS FOR MULLION: 1" x 3-1/8" (LIGHT) - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
84	90.0	90.0	79.1	64.5	55.0	48.5	43.8	40.8	40.4	38.0	36.2	35.1
96	90.0	69.3	52.6	42.7	36.2	31.7	28.4	26.3	26.0	24.1	22.7	21.7
108	72.3	48.5	36.7	29.7	25.1	21.9	19.5	18.0	17.7	16.4	15.3	14.5
120	52.7	35.3	26.7	21.5	18.2	15.8	14.0	12.9	12.7	11.6	10.8	10.2
132	39.5	26.5	20.0	16.1	13.6	11.7	10.4	9.5	9.4	8.6	7.9	7.4
144	30.4	20.4	15.4	12.4	10.4	9.0	7.9	7.3	7.2	6.5	6.0	5.6

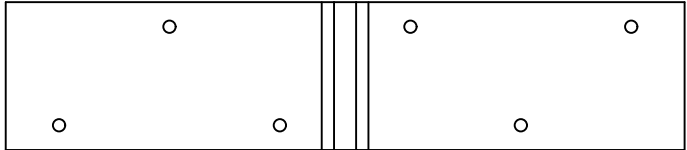
DESIGN PRESSURE LIMITS FOR MULLION: 1" x 3-1/8" (LIGHT) - TWO-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	83.8
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	89.3	80.4	73.1	67.0
72	90.0	90.0	90.0	90.0	81.0	69.5	60.8	54.9	54.0	48.6	44.2	40.5
84	90.0	90.0	76.5	61.2	51.0	43.7	38.3	34.6	34.0	30.6	27.8	25.5
96	90.0	68.4	51.3	41.0	34.2	29.3	25.6	23.2	22.8	20.5	18.6	17.1
108	72.0	48.0	36.0	28.8	24.0	20.6	18.0	16.3	16.0	14.4	13.1	12.0
120	52.5	35.0	26.3	21.0	17.5	15.0	13.1	11.9	11.7	10.5	9.5	8.8
132	39.5	26.3	19.7	15.8	13.2	11.3	9.9	8.9	8.8	7.9	7.2	6.6
144	30.4	20.3	15.2	12.2	10.1	8.7	7.6	6.9	6.8	6.1	5.5	5.1

QUALIFIED ANCHOR CLIPS



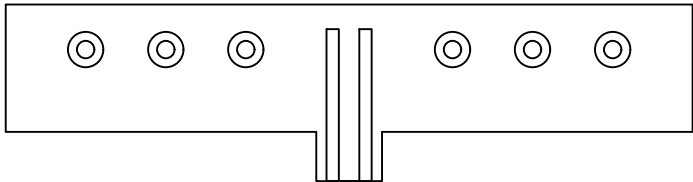
2" X 5" X 2-1/4" L-CLIP

ALUMINUM 6063-T6
**MUST BE USED IN PAIRS



10-15/32" X 2-1/4" H-CLIP

ALUMINUM 6063-T6



10-15/32" X 1-15/16" FIN H-CLIP

ALUMINUM 6063-T6

2-1/4" U-CLIP

ALUMINUM 6005-T5

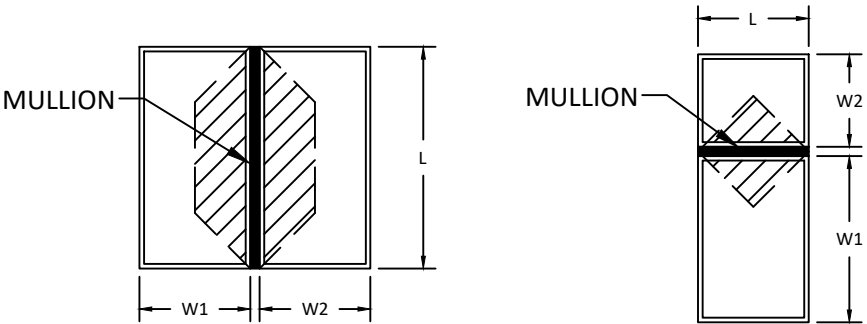
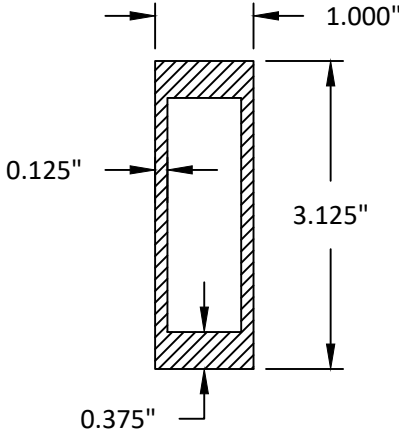
U-CLIP FOR USE ONLY IN
MULLION-TO-MULLION
CONNECTIONS

NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.

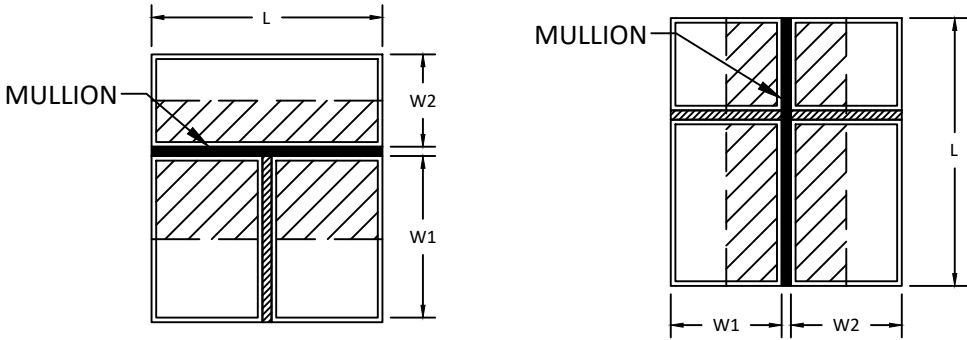
1" X 3-1/8" (LIGHT) MULLION

ALUMINUM 6005-T5

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



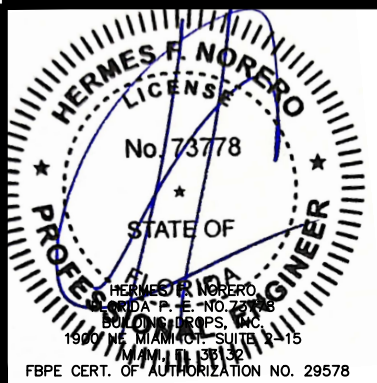
ONE-WAY MULLION DIAGRAMS



TWO-WAY MULLION DIAGRAMS

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 4, 5, & 6 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- INSTALLATION SUBSTRATES:
 - WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 1". WOOD SHALL BE MIN. S.G.=0.55.
 - HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/4" & EDGE DISTANCE OF 2-1/2". HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
 - CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2-1/2". 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. 1/8" THICK ALUMINUM 6063-T5.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH 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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REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
1" X 3-1/8" LIGHT MULLION

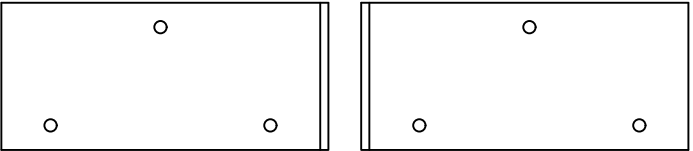
DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SHEET: 7 OF 13

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

DESIGN PRESSURE LIMITS FOR MULLION: 1.25" X 3" - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	86.6	81.8	81.1	77.6	75.6	74.9
84	90.0	90.0	90.0	76.3	65.1	57.4	51.8	48.3	47.8	44.9	42.9	41.5
96	90.0	82.0	62.2	50.5	42.9	37.5	33.6	31.1	30.7	28.5	26.9	25.7
108	85.6	57.4	43.5	35.2	29.7	25.9	23.1	21.3	21.0	19.4	18.1	17.1
120	62.3	41.8	31.6	25.5	21.5	18.7	16.6	15.2	15.0	13.8	12.8	12.0
132	46.8	31.3	23.6	19.1	16.0	13.9	12.3	11.3	11.1	10.2	9.4	8.8
144	36.0	24.1	18.2	14.6	12.3	10.6	9.4	8.6	8.5	7.7	7.1	6.6

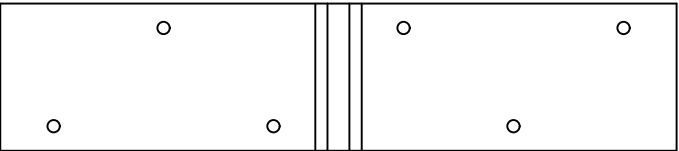
DESIGN PRESSURE LIMITS FOR MULLION: 1.25" X 3" - TWO-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	83.8
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	89.3	80.4	73.1	67.0
72	90.0	90.0	90.0	90.0	90.0	82.2	71.9	65.0	63.9	57.5	52.3	47.9
84	90.0	90.0	90.0	72.5	60.4	51.8	45.3	40.9	40.3	36.2	32.9	30.2
96	90.0	80.9	60.7	48.5	40.5	34.7	30.3	27.4	27.0	24.3	22.1	20.2
108	85.2	56.8	42.6	34.1	28.4	24.4	21.3	19.3	18.9	17.0	15.5	14.2
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144	36.0	24.0	18.0	14.4	12.0	10.3	9.0	8.1	8.0	7.2	6.5	6.0

QUALIFIED ANCHOR CLIPS



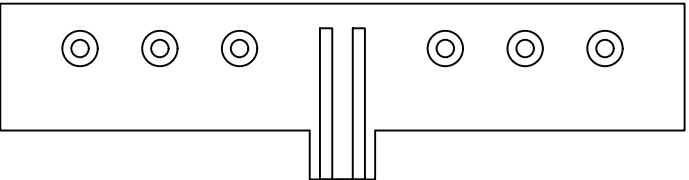
2" X 5" X 2-1/4" L-CLIP

ALUMINUM 6063-T6
**MUST BE USED IN PAIRS



10-15/32" X 2-1/4" H-CLIP

ALUMINUM 6063-T6



10-15/32" X 1-15/16" FIN H-CLIP

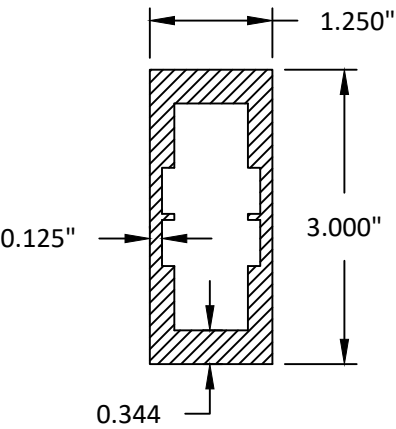
ALUMINUM 6063-T6

2-1/4" U-CLIP

ALUMINUM 6005-T5

U-CLIP FOR USE ONLY IN
MULLION-TO-MULLION
CONNECTIONS

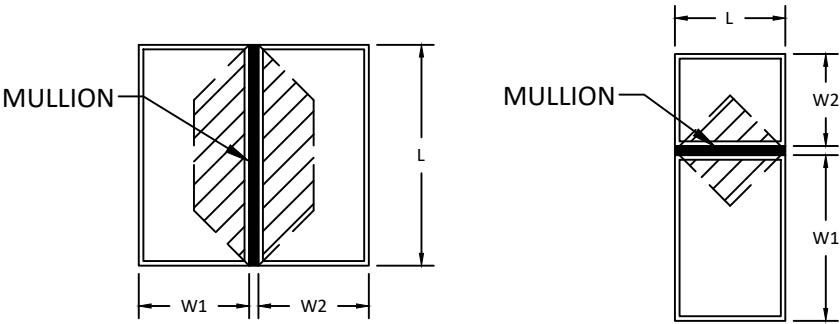
NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.



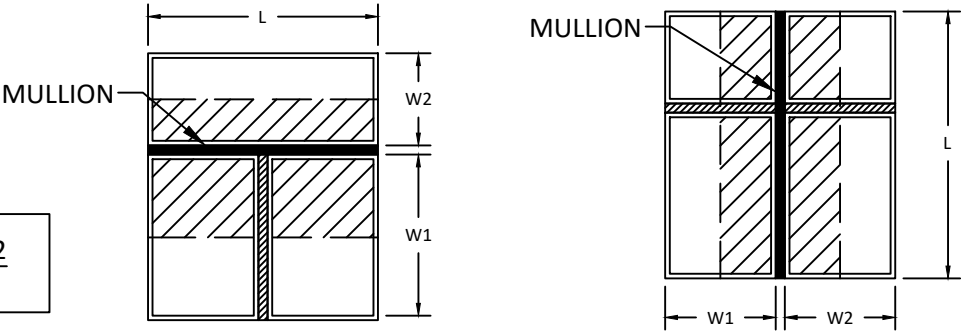
1-1/4" X 3" MULLION

ALUMINUM 6005-T5

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



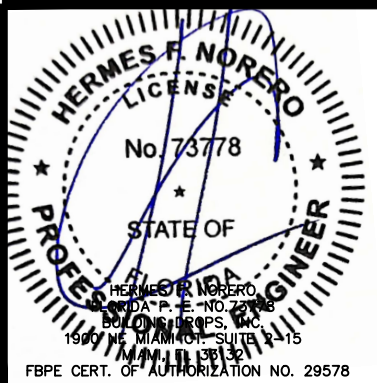
ONE-WAY MULLION DIAGRAMS



TWO-WAY MULLION DIAGRAMS

TABLE NOTES:

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 - 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. 1/8" THICK ALUMINUM 6063-T5.
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REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
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16341 DOMESTIC AVE.
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1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
1-1/4" X 3" MULLION

DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SHEET: 8 OF 13

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

DESIGN PRESSURE LIMITS FOR MULLION: 1" x 3-1/8" (HEAVY) - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	86.4	85.7	81.9	79.8	79.1
84	90.0	90.0	90.0	80.6	68.7	60.6	54.7	51.0	50.5	47.4	45.3	43.8
96	90.0	86.6	65.7	53.3	45.2	39.6	35.5	32.8	32.4	30.1	28.4	27.1
108	90.0	60.6	45.9	37.1	31.4	27.4	24.4	22.4	22.2	20.4	19.1	18.1
120	65.8	44.1	33.3	26.9	22.7	19.7	17.5	16.1	15.8	14.5	13.5	12.7
132	49.4	33.1	25.0	20.1	16.9	14.7	13.0	11.9	11.7	10.7	9.9	9.3
144	38.0	25.4	19.2	15.4	13.0	11.2	9.9	9.1	8.9	8.2	7.5	7.0

DESIGN PRESSURE LIMITS FOR MULLION: 1" x 3-1/8" (HEAVY) - TWO-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	83.8
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	89.3	80.4	73.1	67.0
72	90.0	90.0	90.0	90.0	90.0	86.8	75.9	68.6	67.5	60.7	55.2	50.6
84	90.0	90.0	90.0	76.5	63.7	54.6	47.8	43.2	42.5	38.2	34.8	31.9
96	90.0	85.4	64.1	51.2	42.7	36.6	32.0	28.9	28.5	25.6	23.3	21.4
108	90.0	60.0	45.0	36.0	30.0	25.7	22.5	20.3	20.0	18.0	16.4	15.0
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144	38.0	25.3	19.0	15.2	12.7	10.8	9.5	8.6	8.4	7.6	6.9	6.3

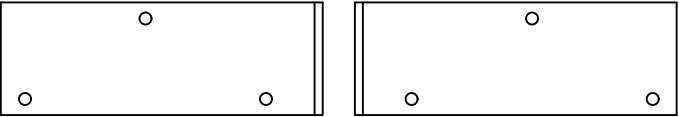
QUALIFIED ANCHOR CLIPS



1-3/4" U-CLIP

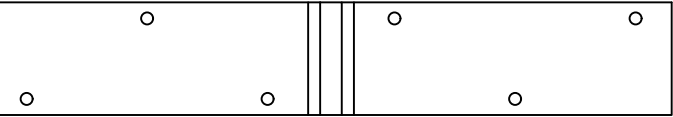
ALUMINUM 6005-T5

U-CLIP FOR USE ONLY IN
MULLION-TO-MULLION
CONNECTIONS



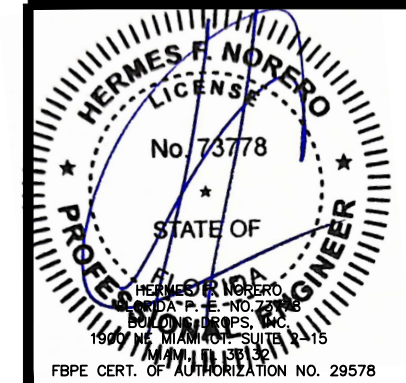
2" X 5" X 1-3/4" L-CLIP

ALUMINUM 6063-T6
**MUST BE USED IN PAIRS



10-15/32" X 1-3/4" H-CLIP

ALUMINUM 6063-T6



REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV

EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
1" X 3-1/8" HEAVY MULLION

DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SHEET: 9 OF 13

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

1" X 3-1/8" (HEAVY) MULLION
ALUMINUM 6005-T5

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

ONE-WAY MULLION DIAGRAMS

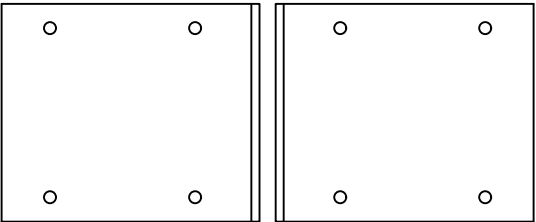
TWO-WAY MULLION DIAGRAMS

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 - SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS.
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 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
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DESIGN PRESSURE LIMITS FOR MULLION: 1" x 4" - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	84.9	84.0	78.9	75.3	72.9
96	90.0	90.0	90.0	88.8	75.3	65.9	59.1	54.6	54.0	50.2	47.3	45.1
108	90.0	90.0	76.4	61.8	52.2	45.5	40.6	37.4	36.9	34.0	31.8	30.1
120	90.0	73.4	55.4	44.8	37.7	32.8	29.1	26.7	26.4	24.2	22.5	21.1
132	82.2	55.0	41.5	33.5	28.2	24.4	21.6	19.8	19.5	17.9	16.5	15.5
144	63.3	42.3	31.9	25.7	21.6	18.7	16.5	15.1	14.9	13.6	12.5	11.7

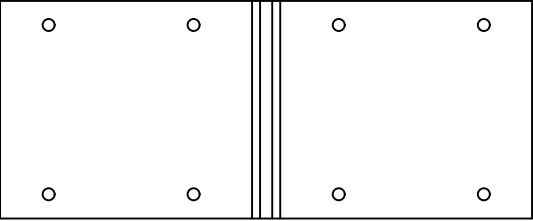
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48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	82.7
84	90.0	90.0	90.0	90.0	90.0	90.0	79.6	71.9	70.7	63.7	57.9	53.1
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144	63.2	42.1	31.6	25.3	21.1	18.1	15.8	14.3	14.0	12.6	11.5	10.5

QUALIFIED ANCHOR CLIPS



2" X 4" X 3-3/8" L-CLIP

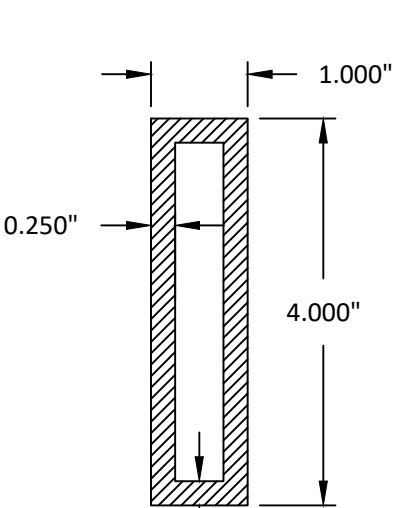
ALUMINUM 6063-T6
**MUST BE USED IN PAIRS



8-1/4" X 3-3/8" H-CLIP

ALUMINUM 6063-T6

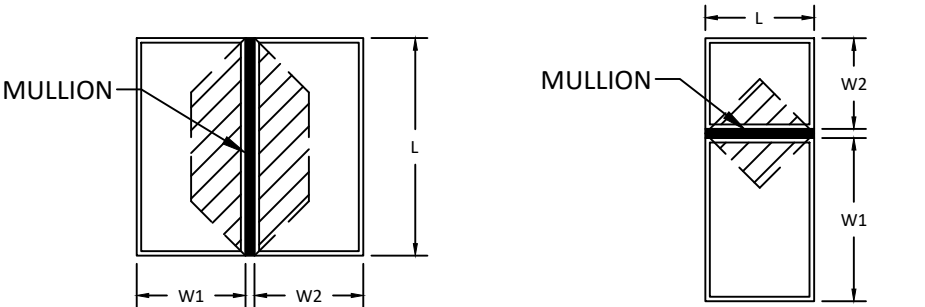
NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.



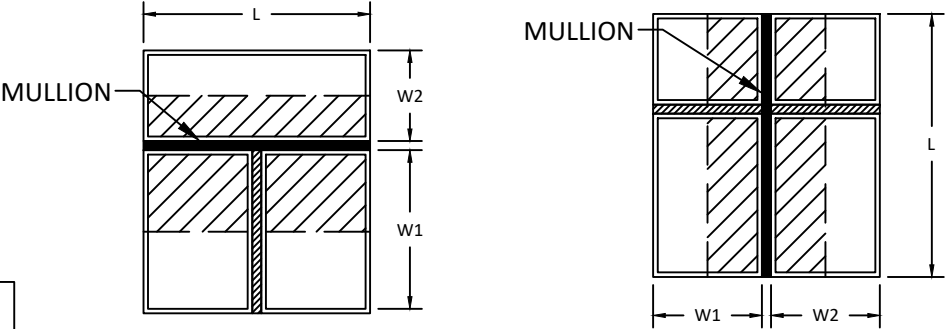
1" X 4" MULLION

ALUMINUM 6005-T5

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



ONE-WAY MULLION DIAGRAMS



TWO-WAY MULLION DIAGRAMS

TABLE NOTES:

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- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- INSTALLATION SUBSTRATES:
 - WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 1". WOOD SHALL BE MIN. S.G.=0.55.
 - HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/4" & EDGE DISTANCE OF 2-1/2". HOLLOW CMU SHALL BE MEDIUM WEIGHT CONFORMING TO ASTM C 90.
 - CONCRETE ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-3/4" & EDGE DISTANCE OF 2-1/2". 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. 1/8" THICK ALUMINUM 6063-T5.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.1 (e.g., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1711.1.2 (e.g., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV

EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
1" X 4" MULLION

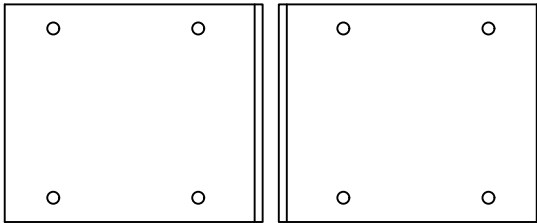
DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SHEET: 10 OF 13

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

DESIGN PRESSURE LIMITS FOR MULLION: 2" x 4" - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
96	90.0	90.0	90.0	90.0	90.0	90.0	88.4	81.8	80.8	75.1	70.7	67.5
108	90.0	90.0	90.0	90.0	78.2	68.1	60.7	55.9	55.2	50.9	47.6	45.0
120	90.0	90.0	83.0	67.0	56.5	49.1	43.6	40.0	39.4	36.2	33.6	31.6
132	90.0	82.4	62.1	50.1	42.2	36.5	32.4	29.6	29.2	26.7	24.7	23.1
144	90.0	63.4	47.8	38.5	32.3	28.0	24.7	22.6	22.3	20.3	18.7	17.5

DESIGN PRESSURE LIMITS FOR MULLION: 2" x 4" - TWO-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	87.6
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	81.9	75.0
96	90.0	90.0	90.0	90.0	90.0	90.0	79.8	72.1	70.9	63.8	58.0	53.2
108	90.0	90.0	90.0	89.6	74.7	64.0	56.0	50.6	49.8	44.8	40.7	37.3
120	90.0	90.0	81.7	65.3	54.5	46.7	40.8	36.9	36.3	32.7	29.7	27.2
132	90.0	81.8	61.4	49.1	40.9	35.1	30.7	27.7	27.3	24.5	22.3	20.5
144	90.0	63.0	47.3	37.8	31.5	27.0	23.6	21.4	21.0	18.9	17.2	15.8

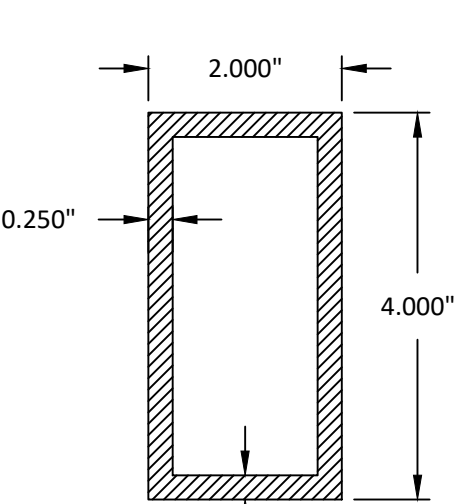
QUALIFIED ANCHOR CLIPS



2" X 4" X 3-3/8" L-CLIP

ALUMINUM 6063-T6
**MUST BE USED IN PAIRS

NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.



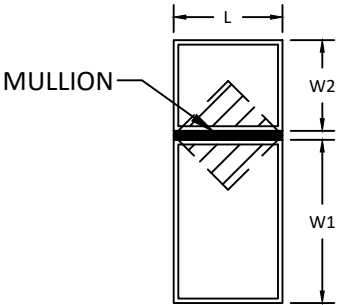
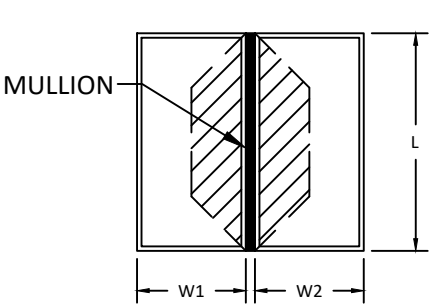
2" X 4" MULLION

ALUMINUM 6005-T5

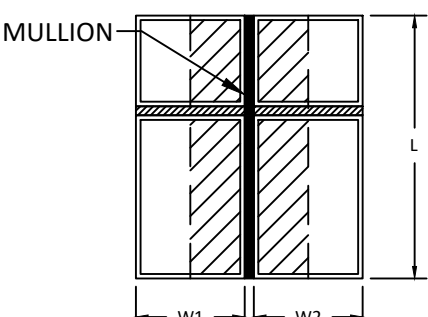
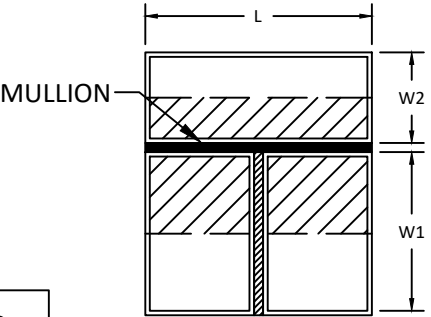
TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$

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ONE-WAY MULLION DIAGRAMS



TWO-WAY MULLION DIAGRAMS



REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS
16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
2" X 4" MULLION

DATE: 09/07/23
DRAWING NO: EAS068
SHEET: 11 OF 13

DRAWN BY: SH
SCALE: N.T.S.
REV: -

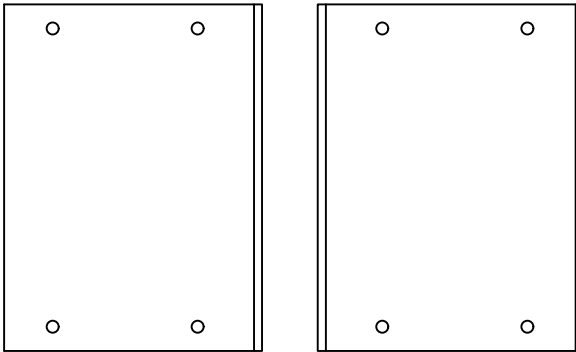
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



DESIGN PRESSURE LIMITS FOR MULLION: 2" x 6" - ONE-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
96	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
108	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	87.6
120	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	84.1	79.0	75.0
132	90.0	90.0	90.0	90.0	90.0	90.0	87.6	81.0	80.1	74.2	69.5	65.7
144	90.0	90.0	90.0	90.0	90.0	80.1	70.8	64.7	63.7	58.2	53.7	50.0

DESIGN PRESSURE LIMITS FOR MULLION: 2" x 6" - TWO-WAY MULLIONS												
SPAN 'L' (IN.)	TRIBUTARY WIDTH 'W' (IN.)											
	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	87.6
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	81.9	75.0
96	90.0	90.0	90.0	90.0	90.0	90.0	90.0	89.0	87.6	78.8	71.6	65.7
108	90.0	90.0	90.0	90.0	90.0	90.0	87.6	79.1	77.8	70.0	63.7	58.4
120	90.0	90.0	90.0	90.0	90.0	90.0	78.8	71.2	70.0	63.0	57.3	52.5
132	90.0	90.0	90.0	90.0	90.0	81.9	71.6	64.7	63.7	57.3	52.1	47.8
144	90.0	90.0	90.0	90.0	87.6	75.0	65.7	59.3	58.4	52.5	47.8	43.8

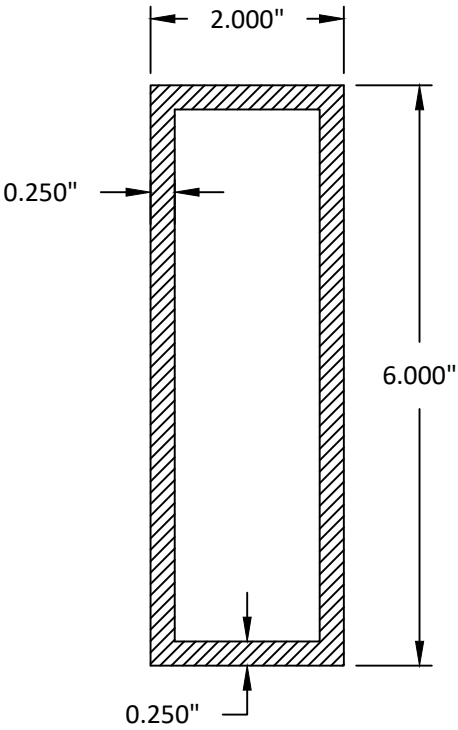
QUALIFIED ANCHOR CLIPS



2" X 4" X 5-3/8" L-CLIP

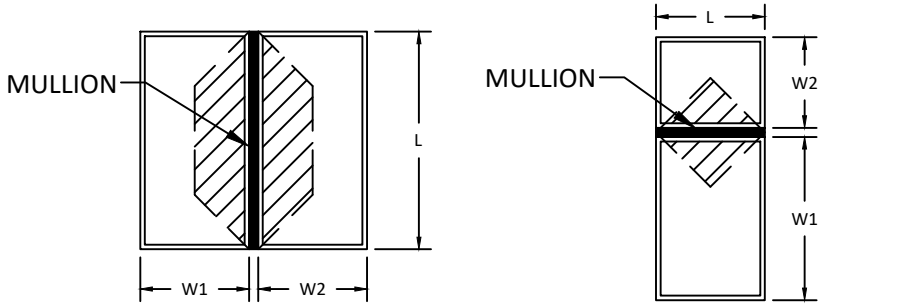
ALUMINUM 6063-T6
**MUST BE USED IN PAIRS

NOTE: SEE SHEET 3 FOR SPECIFIC CLIP
TYPES AND DIMENSIONS.

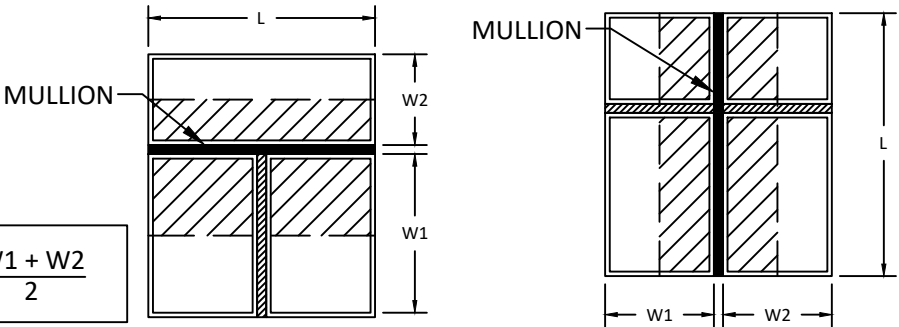


2" X 6" MULLION

ALUMINUM 6005-T5



ONE-WAY MULLION DIAGRAMS

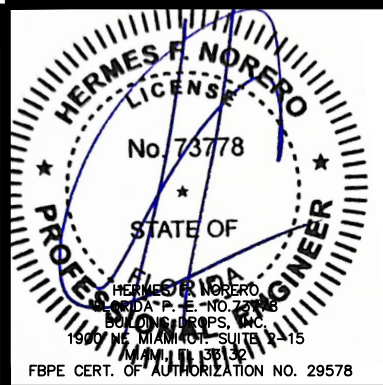


TWO-WAY MULLION DIAGRAMS

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

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REVISIONS			
LH	07/31/26	ADDED NOTE 7	1
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
2" X 6" MULLION

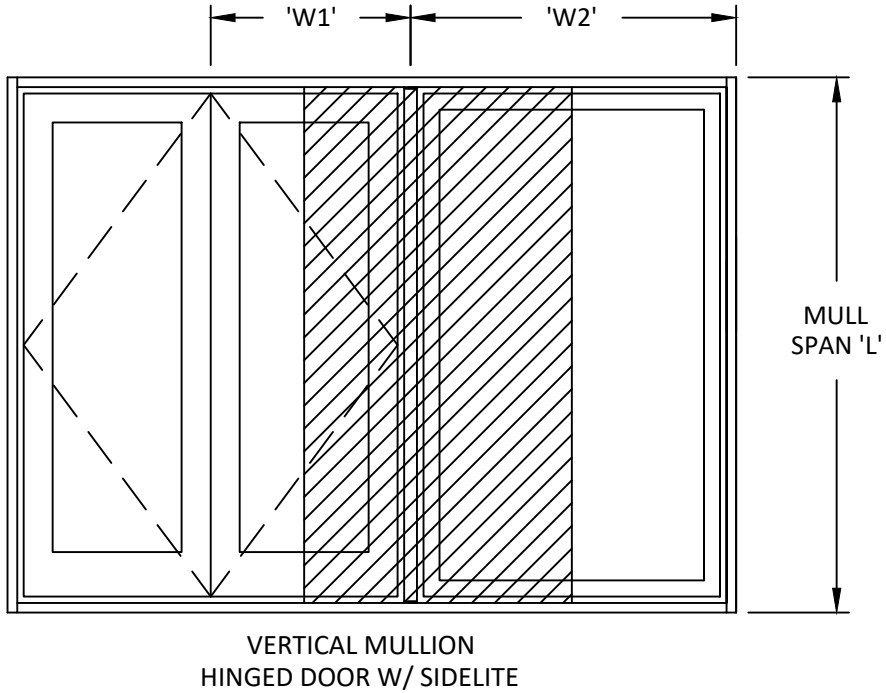
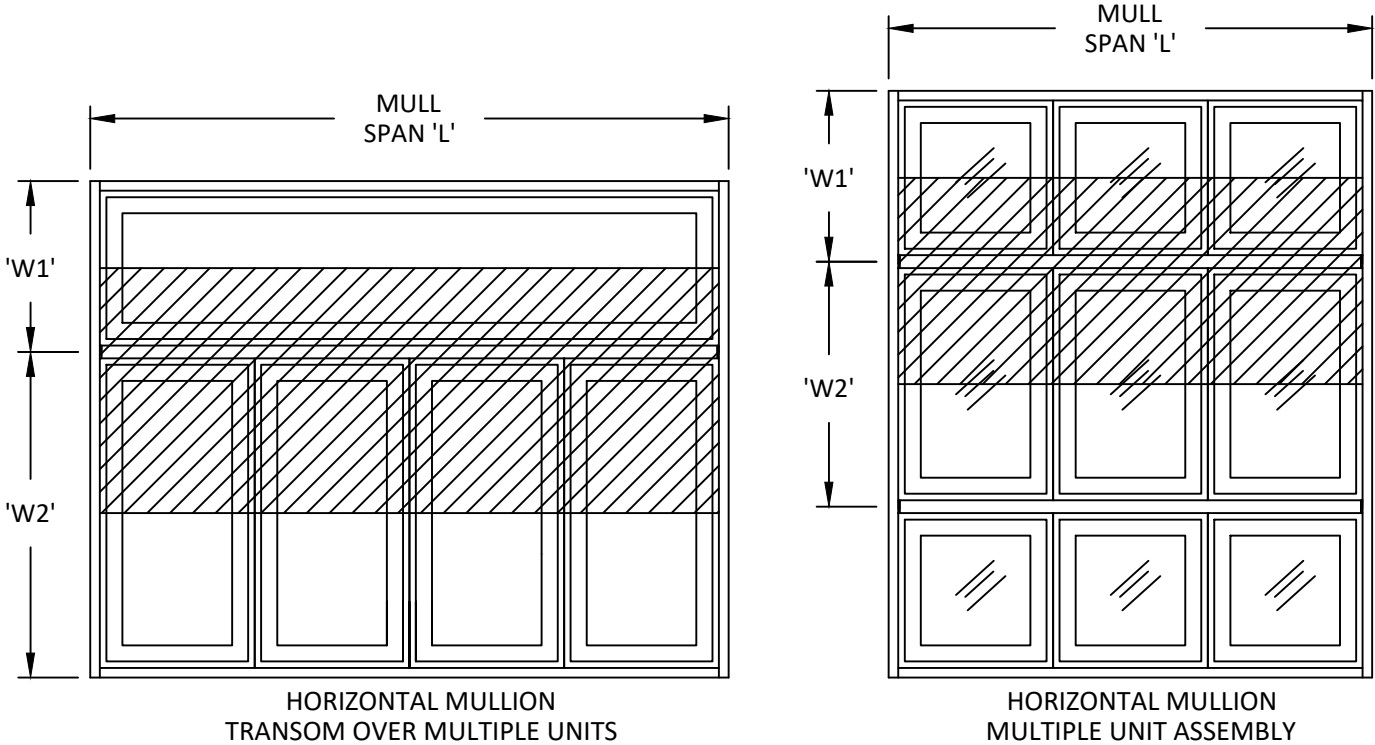
DATE: 09/07/23
DRAWN BY: SH
DRAWING NO: EAS068
SHEET: 12 OF 13

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

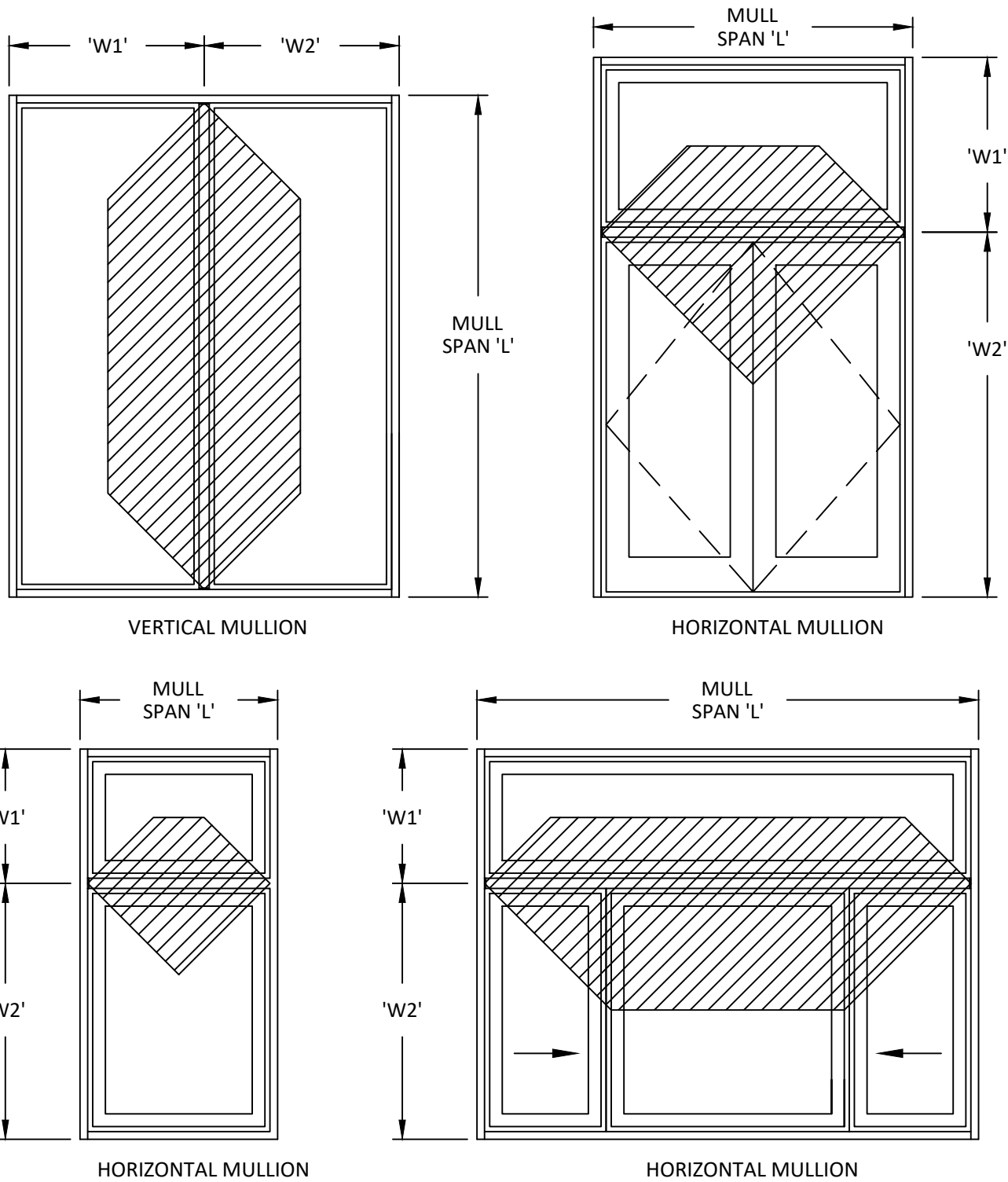


BUILDING DROPS

EXAMPLES OF TWO-WAY MULLION ASSEMBLIES



EXAMPLES OF ONE-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 APPROVED.



REVISIONS			
BY	DATE	DESCRIPTION	REV



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE.
FT MYERS, FL 33912
1-877-401-2190

TITLE:
**WZ3 CLIPPED ALUMINUM TUBE MULLIONS
VERTICAL AND HORIZONTAL CONFIGURATIONS
MULLION ASSEMBLY AND LOAD EXAMPLES**

DATE: 09/07/23
DRAWING NO: EAS068
SHEET: 13 OF 13

DRAWN BY: SH
SCALE: N.T.S.
REV: -

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