

4/4/2024 8:50 AM

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EURO-WALL, LLC

ALUMINUM TUBE MULLION

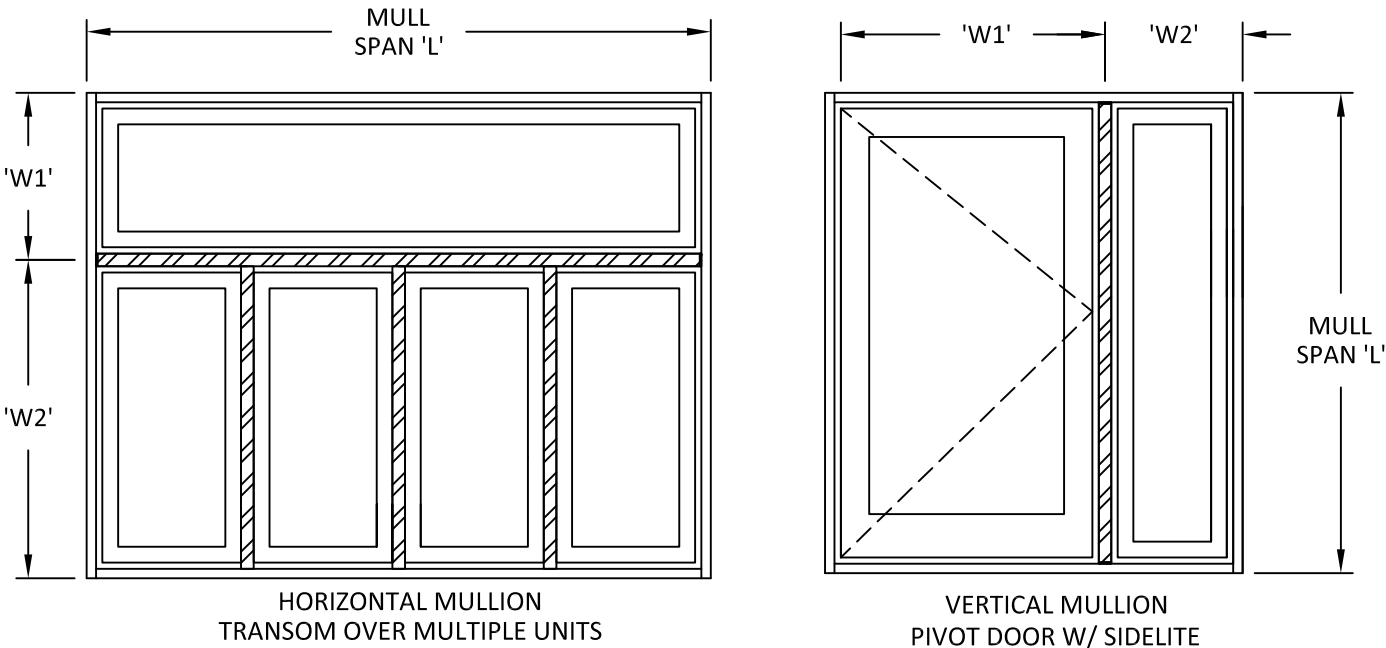
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE EXCLUDING HVHZ.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS IN WIND ZONE 3 OR LESS . INDIVIDUAL UNITS ATTACHED TO MULLIONS MUST BE IMPACT RATED .
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS IN WIND ZONE 4 . INDIVIDUAL UNITS ATTACHED TO MULLIONS MUST BE IMPACT RATED.
- 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.
- MULLION & CLIP MATERIAL: ALUMINUM 6005-T5, 6063-T6, MINIMUM A36 STEEL (AS NOTED)
- MULLIONS MAY BE USED WITH ANY APPROVED FENESTRATION PRODUCT, UNDER SEPARATE APPROVAL.
- SEE SHEETS 5-14 FOR INSTALLATION ANCHOR REQUIREMENTS FOR SPECIFIC ANCHORING REQUIREMENTS, MULLION CONFIGURATIONS, AND DESIGN LOAD CAPACITIES.
- IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN CHAPTER 16.

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.
 - SEE SHEET 15 FOR ASSEMBLY AND LOAD EXAMPLES.
 - IF ASSEMBLY TYPE CANNOT BE DETERMINED USE TWO-WAY MULLION CHART.
- VERIFY THAT MULLION DESIGN PRESSURE MEETS OR EXCEEDS REQUIRED DESIGN PRESSURE OF OPENING USING CHARTS ON SHEETS 5-14.
- QUALIFIED CLIP TYPES APPEAR ON SHEETS 2 & 3. 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.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & INSTRUCTIONS
2	MULLIONS AND CLIPS
3	MULLIONS AND CLIPS
4	VERTICAL & HORIZONTAL SECTIONS
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7	1" X 4" MULLION TABLES - WOOD/METAL SUBSTRATE
8	1" X 4" MULLION TABLES - CONCRETE/MASONRY SUBSTRATE
9	1" X 6" MULLION TABLES - WOOD/METAL SUBSTRATE
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14	2" X 8" MULLION TABLES - CONCRETE/MASONRY SUBSTRATE
15	MULLION ASSEMBLIES



TYPICAL MULLED ELEVATIONS



EURO-WALL, LLC
P.O. BOX 8007
NORTH PORT, FL 34290
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TITLE: ALUMINUM TUBE MULLION
INSTALLATION & GENERAL NOTES

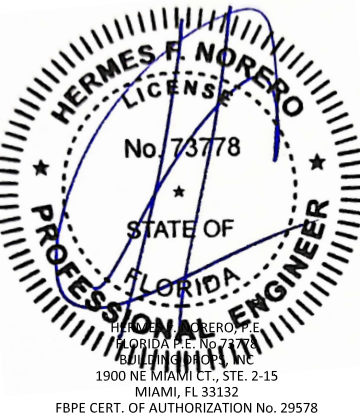
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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WEB: www.buildingdrops.com



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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DATE: 03.28.17

DWG. BY: AR/EG
CHK. BY: HFN

SCALE: NTS

DWG. #: EWS007

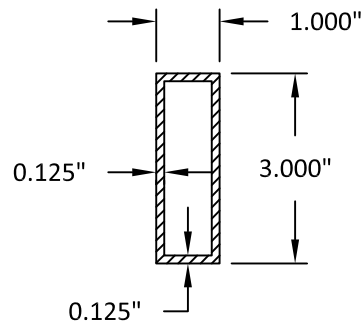
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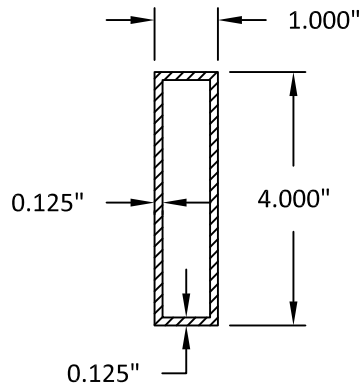
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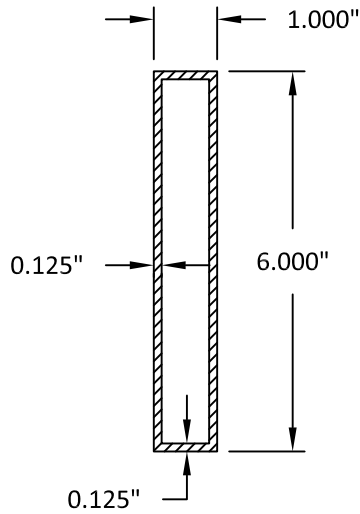
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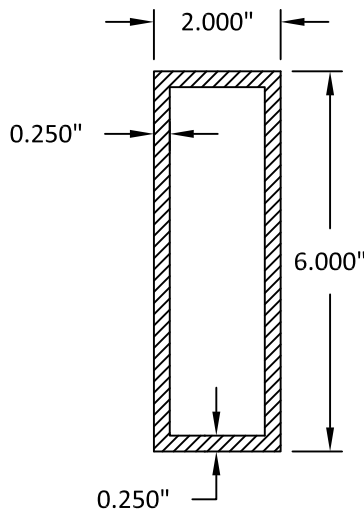
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MULLION**
6063-T6



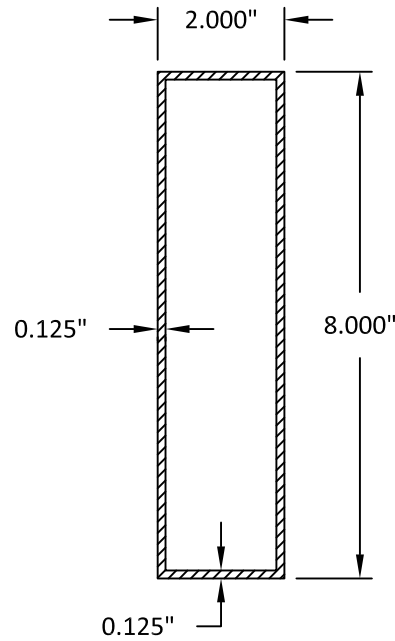
**1" X 4"
MULLION**
6063-T6



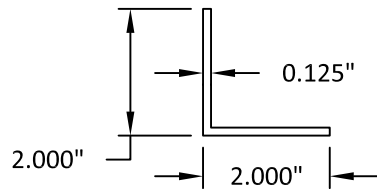
**1" X 6"
MULLION**
6063-T6



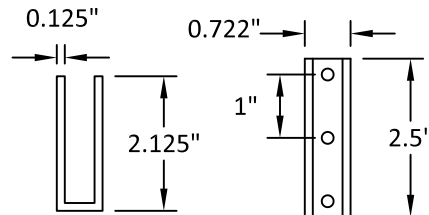
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MULLION**
6063-T6



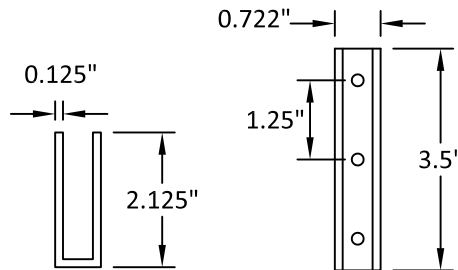
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MULLION**
6063-T6



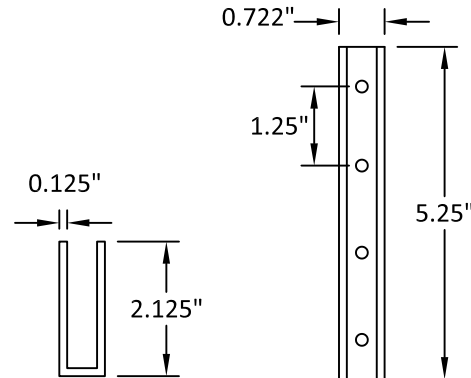
ANGLE CLIP
6063-T5



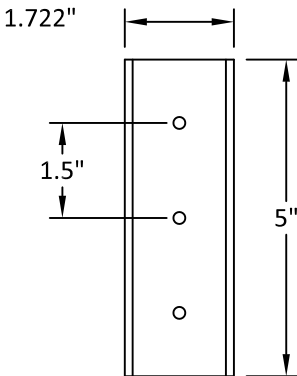
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ALUMINUM 6005-T5
FOR USE WITH 1"X3" MULLION ONLY



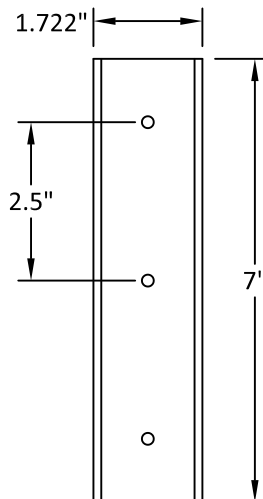
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ALUMINUM 6005-T5
FOR USE WITH 1"X4" MULLION ONLY



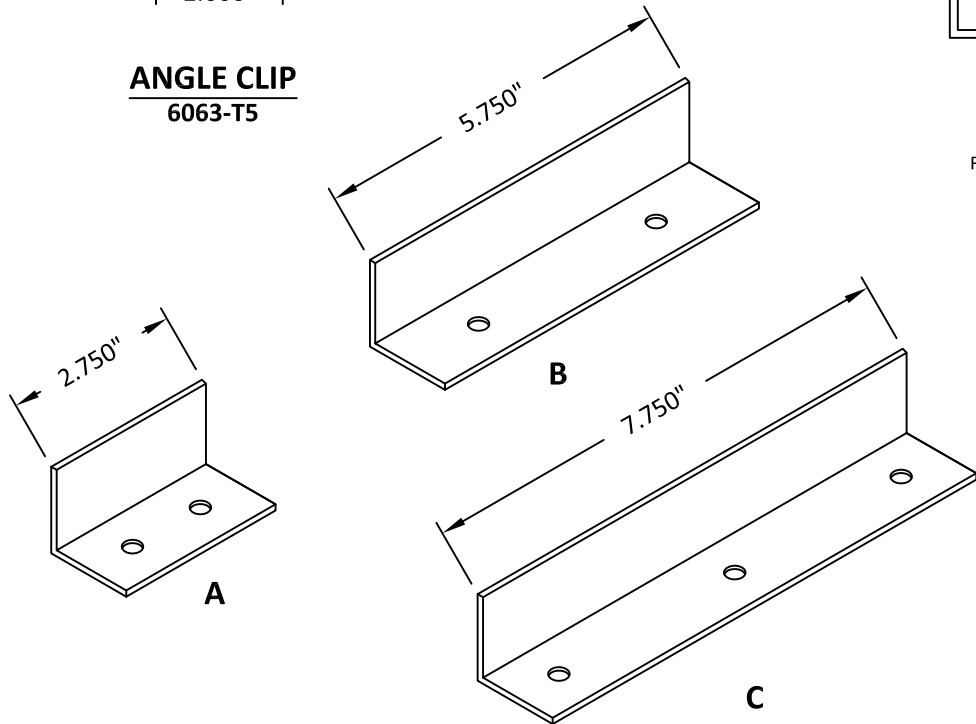
5 1/4" U-CLIP
ALUMINUM 6005-T5
FOR USE WITH 1"X6" MULLION ONLY



5" U-CLIP
ALUMINUM 6005-T5
FOR USE WITH 2"X6" MULLION ONLY



7" U-CLIP
ALUMINUM 6005-T5
FOR USE WITH 2"X8" MULLION ONLY



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

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SUPERIOR BY DESIGN

EURO-WALL, LLC
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TITLE: ALUMINUM TUBE MULLION

MULLIONS & CLIPS

PREPARED BY:

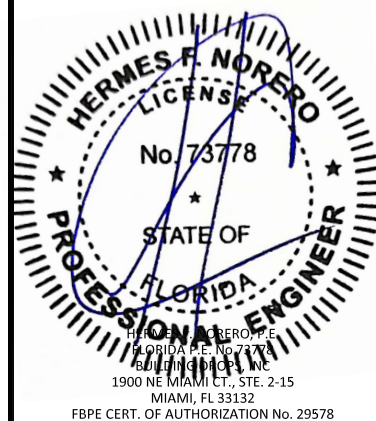
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MULL UPDATE	MS	3.22.24

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FL26891

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DWG. BY: **AR/EG** CHK. BY: **HFN**

SCALE: **NTS**

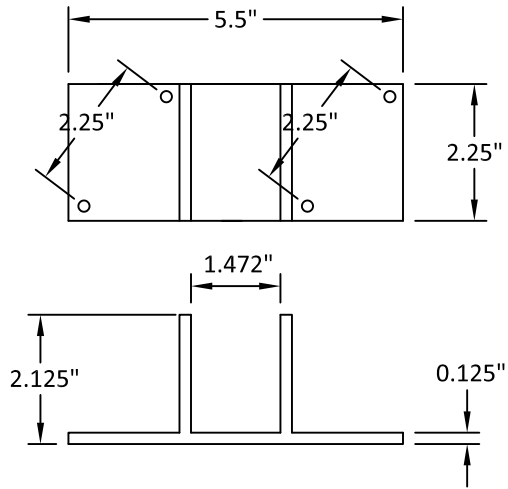
DWG. #: **EWS007**

SHEET:
2

OF 15

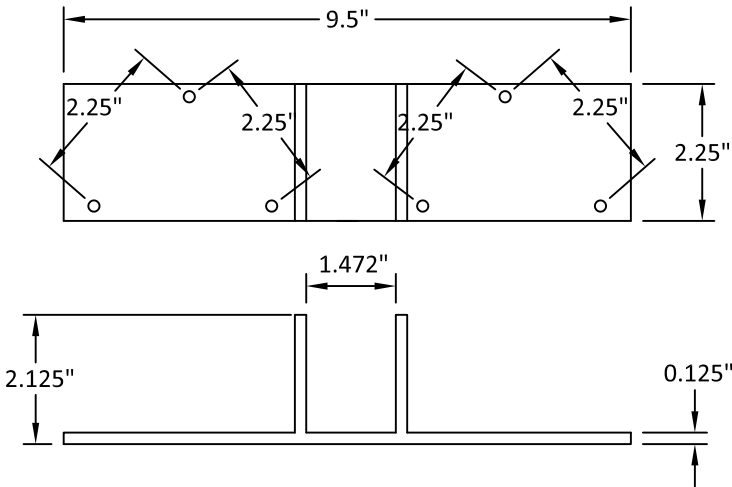
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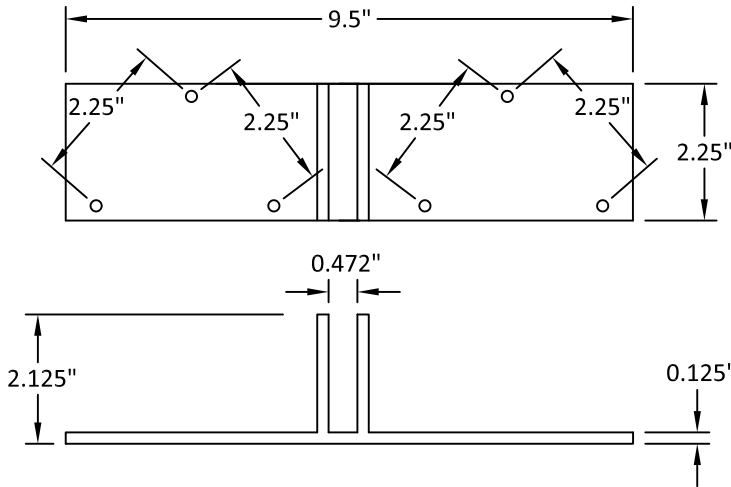
5 1/2" X 2 1/4" H-CLIP

ALUMINUM 6063-T6
FOR USE WITH 1"X3" AND 1"X4" MULLIONS ONLY



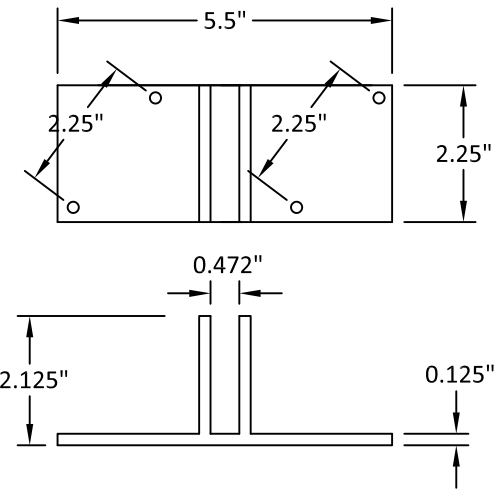
9 1/2" X 2 1/4" H-CLIP

ALUMINUM 6063-T6
FOR USE WITH 1"X3" AND 1"X4" MULLIONS ONLY



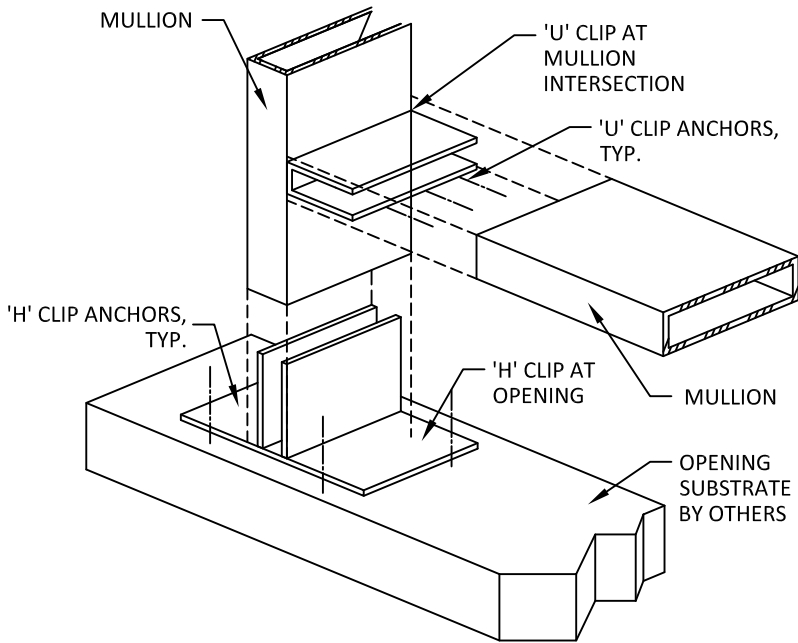
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ALUMINUM 6063-T6
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ALUMINUM 6063-T6
FOR USE WITH 1"X3" AND 1"X4" MULLIONS ONLY



MULLION & CLIP ASSEMBLY (TYP.)

NOTE: ASSEMBLY SHOWN ABOVE IS
DIAGRAMMATIC IN SCOPE. OTHER CLIP & MULLION
ASSEMBLIES ARE ALLOWED, SEE SPECIFIC MULLION
SHEET 2 FOR DETAILS.

NOTE: INSTALLATION DETAIL SECTIONS SHOW
VERTICAL MULLION CONDITION. HORIZONTAL
MULLIONS QUALIFIED FOR USE, RESULTING
HORIZONTAL SECTIONS WOULD BE TYPICAL FOR
VERTICAL SECTIONS.

euro-wall
SUPERIOR BY DESIGN

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MULLIONS & CLIPS

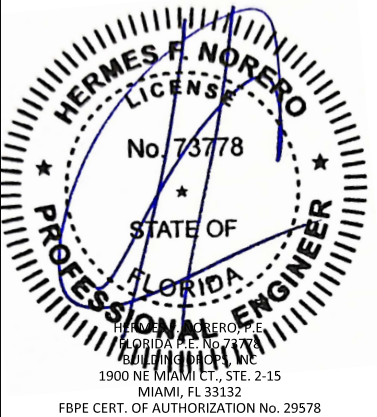
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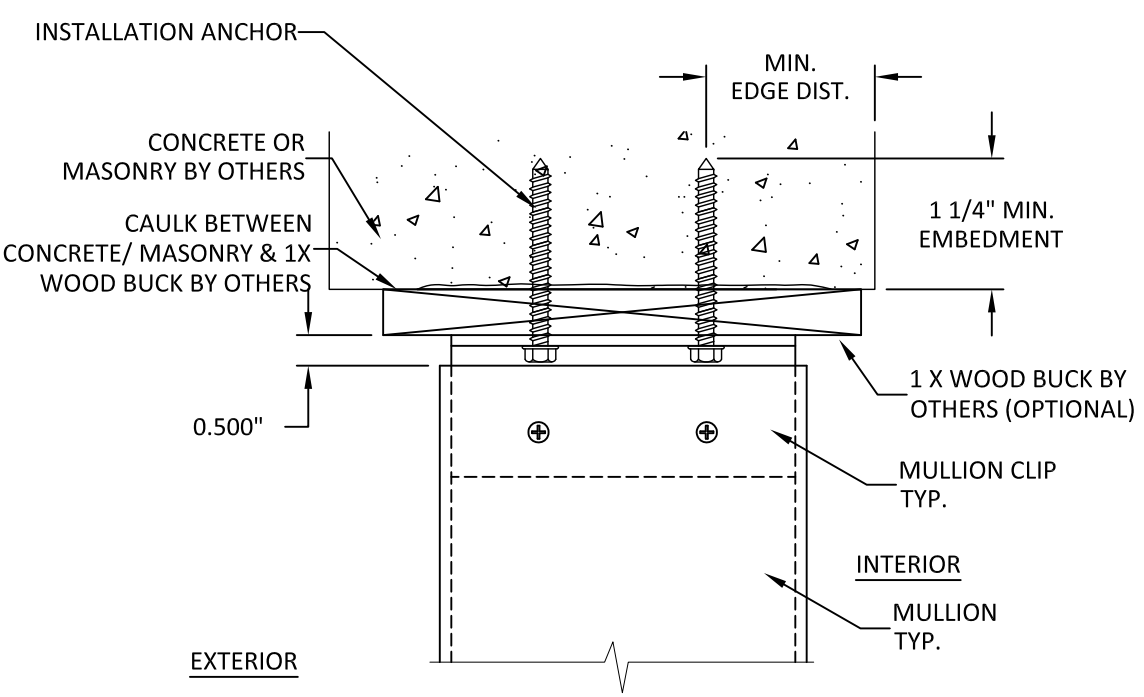
SCALE: NTS

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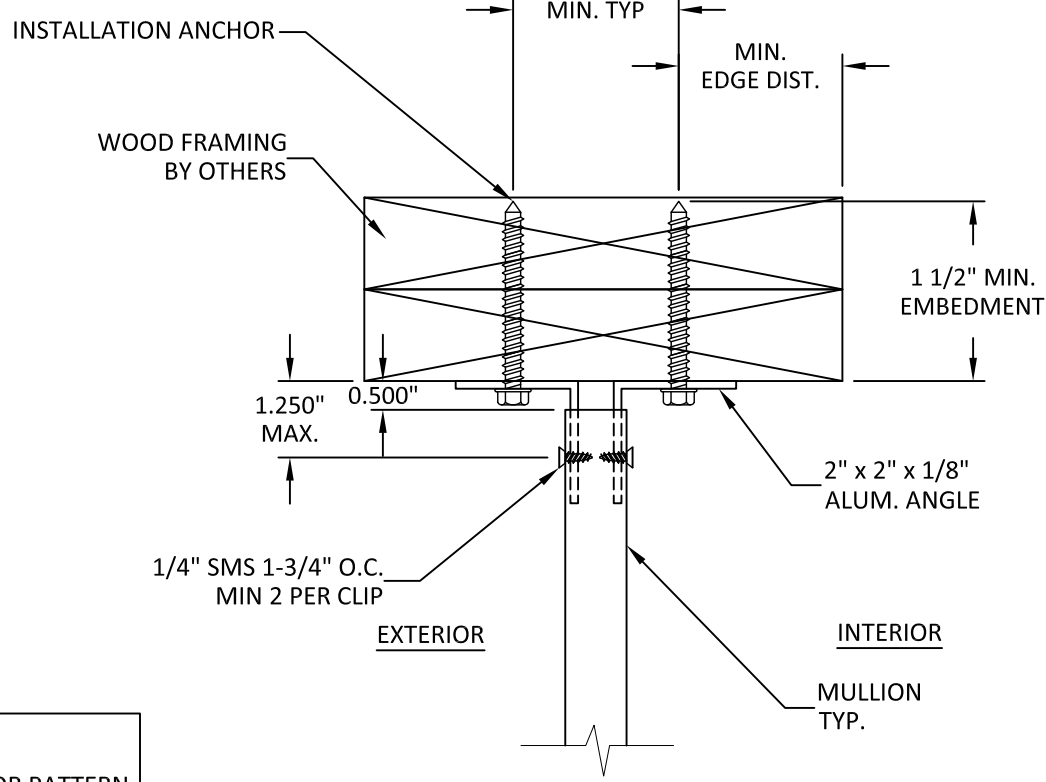
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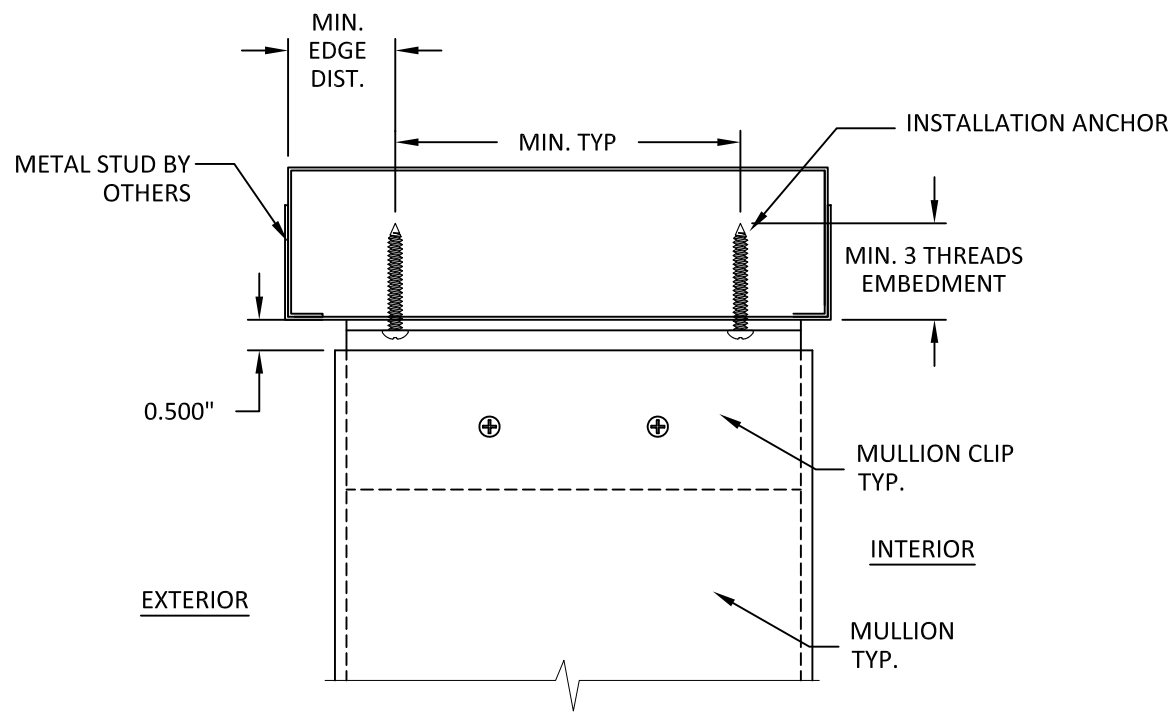


A
3 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
SIDE VIEW-VERTICAL

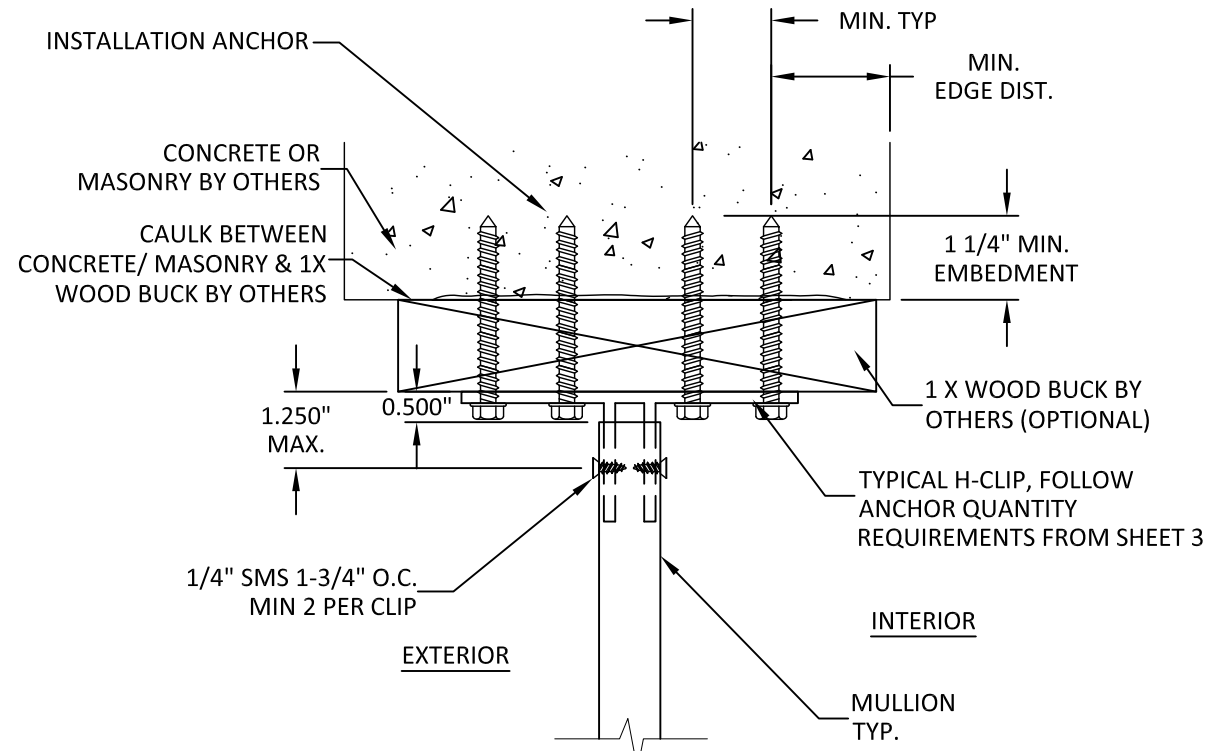


C
3 **VERTICAL SECTION**
HEAD - WOOD
FRONT VIEW-VERTICAL

NOTE:
SEE SHEETS 2 & 3 FOR ANCHOR PATTERN AND SPACING



B
3 **VERTICAL SECTION**
HEAD - METAL
SIDE VIEW-VERTICAL



D
3 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
FRONT VIEW-VERTICAL



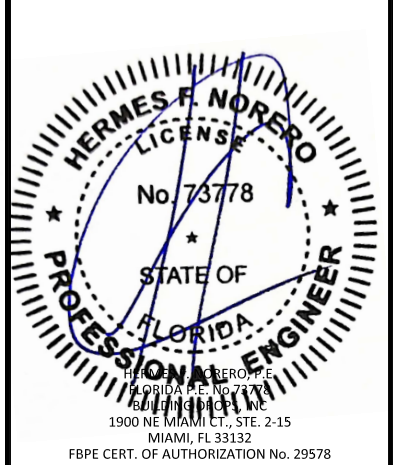
EURO-WALL, LLC
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NORTH PORT, FL 34290
PH: 888-989-3876

TITLE: ALUMINUM TUBE MULLION
VERTICAL &
HORIZONTAL SECTIONS

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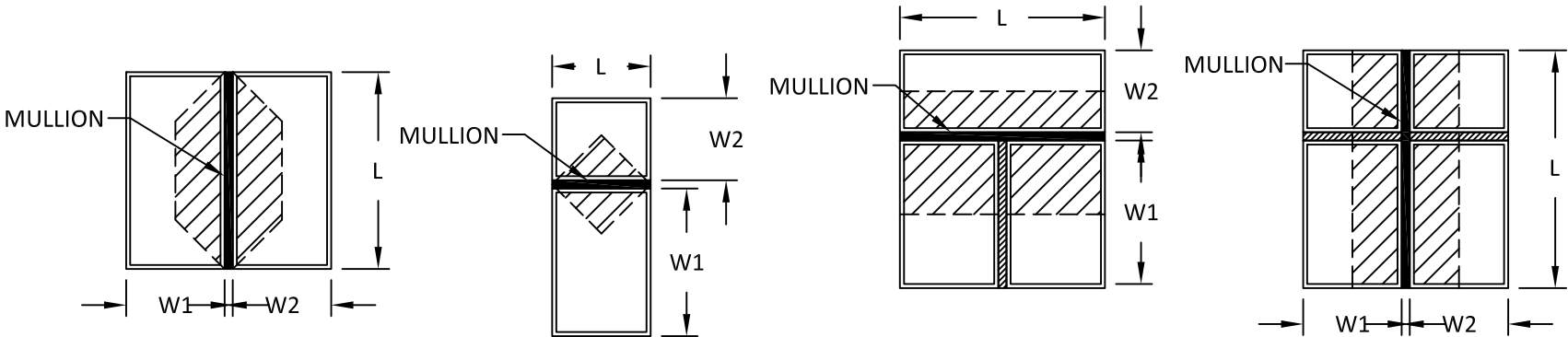
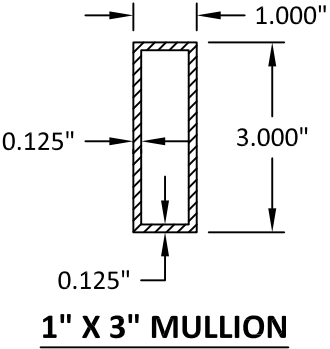
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DWG. BY:		CHK. BY:	
AR/EG		HFN	
SCALE:		NTS	
DWG. #:		EWS007	
SHEET:			

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 3" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	148.4	137.7	133.0	132.7	132.7	132.7	132.7
58.0	150.0	150.0	135.1	124.4	119.0	118.0	118.0	118.0	118.0
63.0	107.2	88.7	77.1	69.5	64.7	61.7	60.4	60.2	60.2
72.0	70.8	58.2	50.0	44.5	40.8	38.2	36.5	35.6	35.3
84.0	44.1	35.9	30.6	27.0	24.4	22.5	21.1	20.2	19.5
96.0	29.3	23.8	20.2	17.7	15.8	-	-	-	-
108.0	20.5	16.6	-	-	-	-	-	-	-
120.0	-	-	-	-	-	-	-	-	-
132.0	-	-	-	-	-	-	-	-	-
144.0	-	-	-	-	-	-	-	-	-

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 3" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	141.8	127.6	116.0	106.3
50.0	150.0	147.4	122.9	105.3	92.1	81.9	73.7	67.0	61.4
58.0	150.0	136.3	113.6	97.4	85.2	75.7	68.2	62.0	56.8
63.0	101.1	80.8	67.4	57.7	50.5	44.9	40.4	36.7	33.7
72.0	67.7	54.2	45.1	38.7	33.9	30.1	27.1	24.6	22.6
84.0	42.6	34.1	28.4	24.4	21.3	18.9	17.1	15.5	-
96.0	28.6	22.9	19.0	16.3	-	-	-	-	-
108.0	20.1	16.0	-	-	-	-	-	-	-
120.0	-	-	-	-	-	-	-	-	-
132.0	-	-	-	-	-	-	-	-	-
144.0	-	-	-	-	-	-	-	-	-



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - 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.
 - 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.

TITLE:
ALUMINUM TUBE MULLION
1" X 3" MULLION TABLES -
WOOD/METAL SUBSTRATE

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

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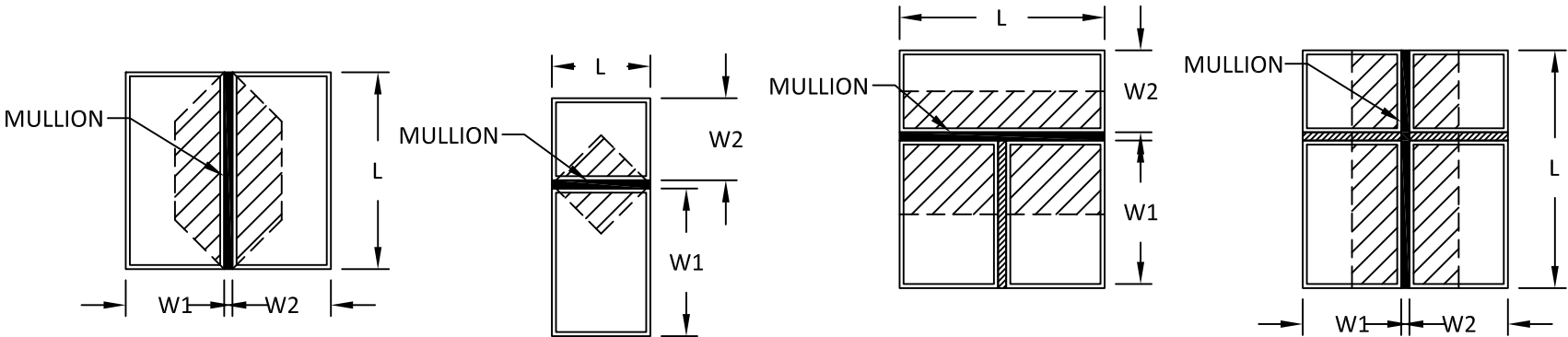
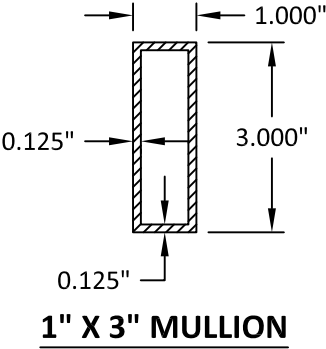
SHEET:
5
OF 15

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 3" - ONE-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	141.7	134.1	130.8	130.6	130.6	130.6	130.6
58.0	150.0	147.1	133.4	124.4	119.0	118.0	118.0	118.0	118.0
63.0	107.2	88.7	77.1	69.5	64.7	61.7	60.4	60.2	60.2
72.0	70.8	58.2	50.0	44.5	40.8	38.2	36.5	35.6	35.3
84.0	44.1	35.9	30.6	27.0	24.4	22.5	21.1	20.2	19.5
96.0	29.3	23.8	20.2	17.7	15.8	-	-	-	-
108.0	20.5	16.6	-	-	-	-	-	-	-
120.0	-	-	-	-	-	-	-	-	-
132.0	-	-	-	-	-	-	-	-	-
144.0	-	-	-	-	-	-	-	-	-

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 3" - TWO-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	143.2	119.4	102.3	89.5	79.6	71.6	65.1	59.7
50.0	136.1	108.9	90.7	77.8	68.0	60.5	54.4	49.5	45.4
58.0	130.8	104.7	87.2	74.8	65.4	58.1	52.3	47.6	43.6
63.0	101.1	80.8	67.4	57.7	50.5	44.9	40.4	36.7	33.7
72.0	67.7	54.2	45.1	38.7	33.9	30.1	27.1	24.6	22.6
84.0	42.6	34.1	28.4	24.4	21.3	18.9	17.1	15.5	-
96.0	28.6	22.9	19.0	16.3	-	-	-	-	-
108.0	20.1	16.0	-	-	-	-	-	-	-
120.0	-	-	-	-	-	-	-	-	-
132.0	-	-	-	-	-	-	-	-	-
144.0	-	-	-	-	-	-	-	-	-



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
- INSTALLATION SUBSTRATES:
 - 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 1-1/4" & EDGE DISTANCE OF 2-1/2". CONCRETE SHALL BE MIN. 4000 PSI.

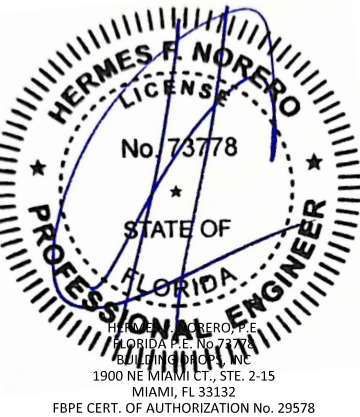
TITLE: ALUMINUM TUBE MULLION
1" X 3" MULLION TABLES -
CONCRETE/MASONRY SUBSTRATE

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



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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.



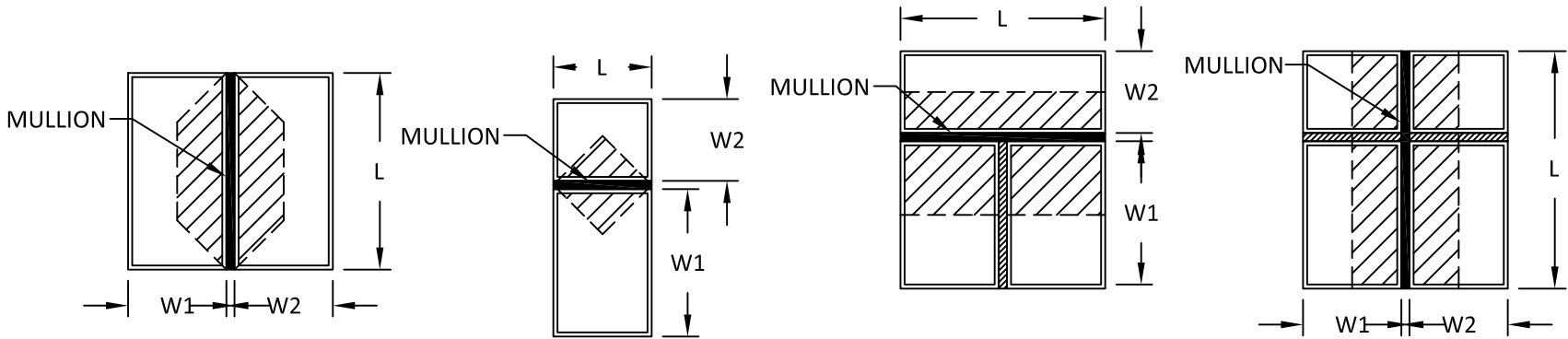
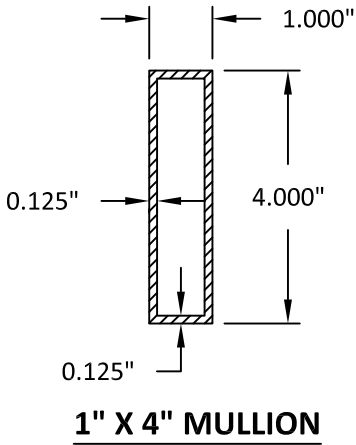
FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	6

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 4" - ONE-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	139.6	125.1	115.7	109.9	107.0	106.7	106.7
72.0	148.4	121.3	103.9	92.1	83.8	78.1	74.4	72.2	71.5
84.0	94.5	77.0	65.7	57.9	52.3	48.3	45.3	43.3	41.9
96.0	62.8	51.0	43.2	37.9	33.9	31.0	28.8	27.1	25.9
108.0	43.9	35.5	30.0	26.1	23.3	21.2	19.5	18.3	17.3
120.0	31.8	25.7	21.7	18.8	16.7	15.1	-	-	-
132.0	23.9	19.2	16.2	-	-	-	-	-	-
144.0	18.3	-	-	-	-	-	-	-	-

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 4" - TWO-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	144.3	129.9	118.0	108.2
50.0	150.0	150.0	150.0	141.0	123.4	109.7	98.7	89.7	82.2
58.0	150.0	150.0	150.0	135.6	118.6	105.4	94.9	86.3	79.1
63.0	150.0	149.3	124.4	106.7	93.3	83.0	74.7	67.9	62.2
72.0	142.9	114.3	95.3	81.7	71.5	63.5	57.2	52.0	47.6
84.0	91.4	73.1	60.9	52.2	45.7	40.6	36.6	33.2	30.5
96.0	61.2	49.0	40.8	35.0	30.6	27.2	24.5	22.3	20.4
108.0	43.0	34.4	28.7	24.6	21.5	19.1	17.2	15.6	-
120.0	31.4	25.1	20.9	17.9	15.7	-	-	-	-
132.0	23.6	18.8	15.7	-	-	-	-	-	-
144.0	18.1	-	-	-	-	-	-	-	-



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - 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.
 - 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.

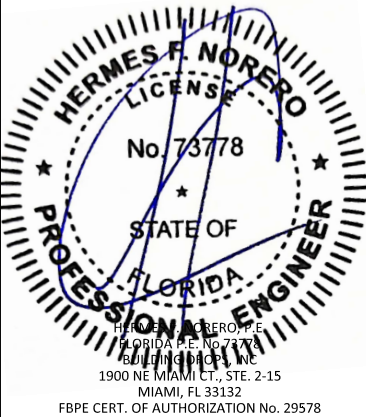
TITLE:
ALUMINUM TUBE MULLION
1" X 4" MULLION TABLES -
WOOD/METAL SUBSTRATE

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



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

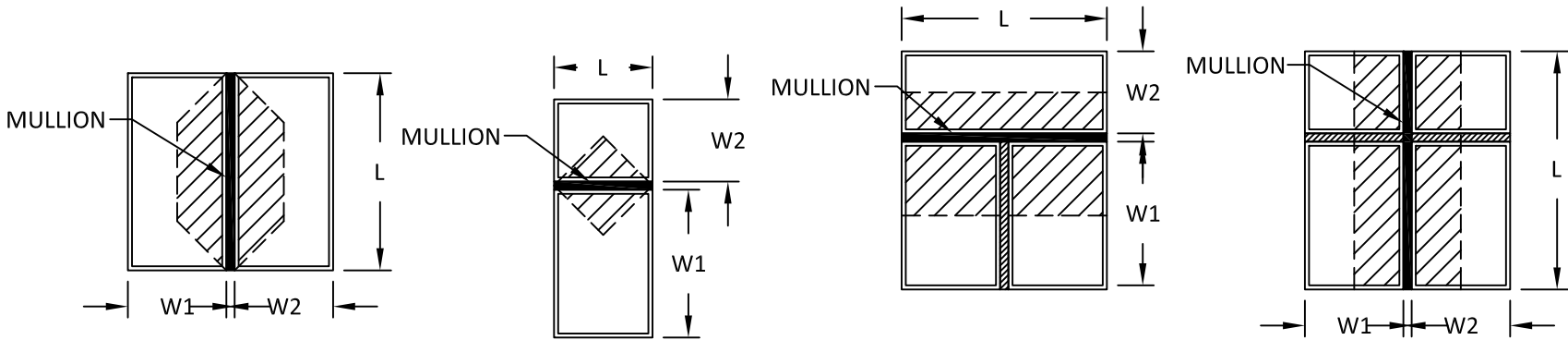
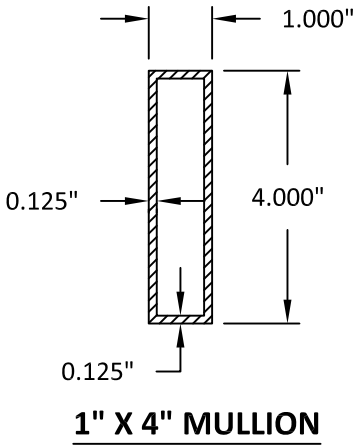
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FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	7

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 4" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	141.7	134.1	130.8	130.6	130.6	130.6	130.6
58.0	150.0	147.1	133.4	125.4	121.5	120.8	120.8	120.8	120.8
63.0	133.4	113.4	100.8	92.6	87.2	84.0	82.5	82.3	82.3
72.0	113.4	95.5	84.0	76.2	70.9	67.2	64.8	63.4	63.0
84.0	94.5	77.0	65.7	57.9	52.3	48.3	45.3	43.3	41.9
96.0	62.8	51.0	43.2	37.9	33.9	31.0	28.8	27.1	25.9
108.0	43.9	35.5	30.0	26.1	23.3	21.2	19.5	18.3	17.3
120.0	31.8	25.7	21.7	18.8	16.7	15.1	-	-	-
132.0	23.9	19.2	16.2	-	-	-	-	-	-
144.0	18.3	-	-	-	-	-	-	-	-

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 4" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	143.2	119.4	102.3	89.5	79.6	71.6	65.1	59.7
50.0	136.1	108.9	90.7	77.8	68.0	60.5	54.4	49.5	45.4
58.0	130.8	104.7	87.2	74.8	65.4	58.1	52.3	47.6	43.6
63.0	108.0	86.4	72.0	61.7	54.0	48.0	43.2	39.3	36.0
72.0	94.5	75.6	63.0	54.0	47.2	42.0	37.8	34.4	31.5
84.0	81.0	64.8	54.0	46.3	40.5	36.0	32.4	29.5	27.0
96.0	61.2	49.0	40.8	35.0	30.6	27.2	24.5	22.3	20.4
108.0	43.0	34.4	28.7	24.6	21.5	19.1	17.2	15.6	-
120.0	31.4	25.1	20.9	17.9	15.7	-	-	-	-
132.0	23.6	18.8	15.7	-	-	-	-	-	-
144.0	18.1	-	-	-	-	-	-	-	-



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

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- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
- INSTALLATION SUBSTRATES:
 - 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 1-1/4" & EDGE DISTANCE OF 2-1/2". CONCRETE SHALL BE MIN. 4000 PSI.

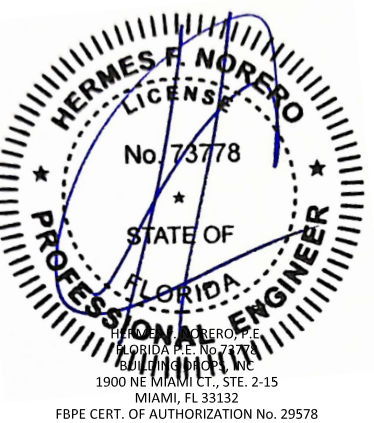
TITLE:
ALUMINUM TUBE MULLION
1" X 4" MULLION TABLES -
CONCRETE/MASONRY SUBSTRATE

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



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

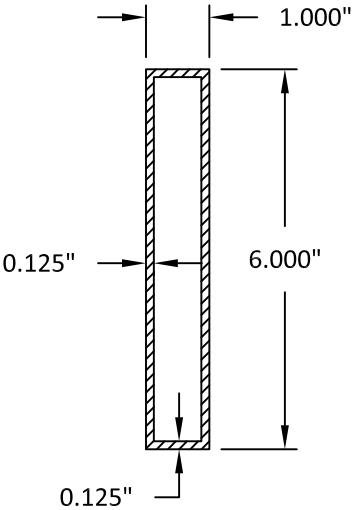
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



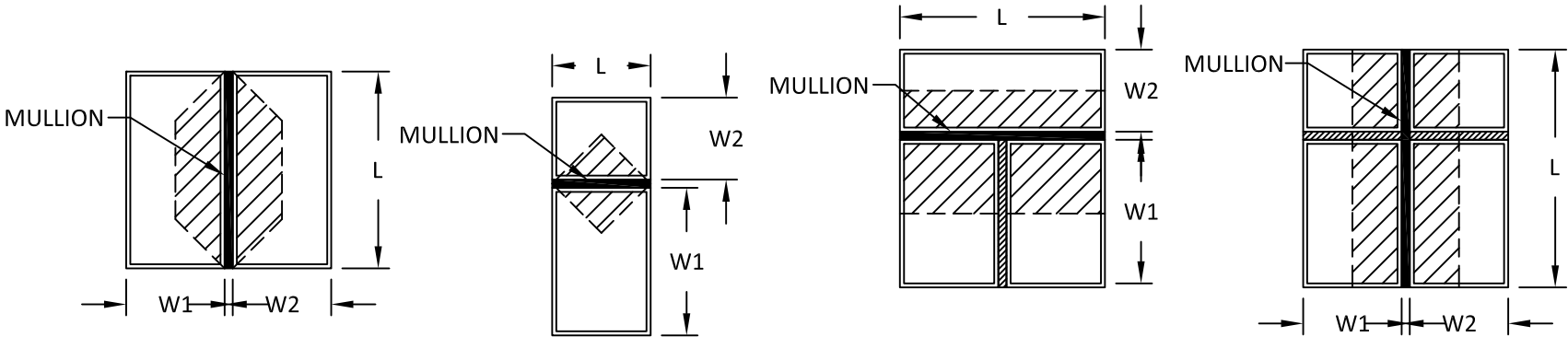
FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 6" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
72.0	150.0	150.0	150.0	150.0	150.0	150.0	148.9	144.5	143.1
84.0	150.0	150.0	149.2	131.0	117.9	108.3	101.3	96.2	92.8
96.0	150.0	133.1	112.6	98.2	87.8	79.9	74.0	69.4	66.0
108.0	129.3	104.4	88.0	76.5	68.0	61.6	56.7	52.8	49.7
120.0	95.6	77.2	65.1	56.6	50.3	45.5	41.7	38.8	36.4
132.0	71.6	57.8	48.6	42.1	37.3	33.7	30.8	28.5	26.7
144.0	55.1	44.3	37.2	32.2	28.5	25.7	23.4	21.6	20.1

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 6" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	148.0	134.6	123.4
58.0	150.0	150.0	150.0	150.0	150.0	150.0	142.3	129.4	118.6
63.0	150.0	150.0	150.0	150.0	146.9	130.5	117.5	106.8	97.9
72.0	150.0	150.0	150.0	146.9	128.5	114.2	102.8	93.5	85.7
84.0	150.0	150.0	140.1	120.1	105.1	93.4	84.1	76.4	70.1
96.0	150.0	128.8	107.3	92.0	80.5	71.5	64.4	58.5	53.6
108.0	127.2	101.7	84.8	72.7	63.6	56.5	50.9	46.2	42.4
120.0	94.2	75.3	62.8	53.8	47.1	41.8	37.7	34.2	31.4
132.0	70.7	56.6	47.2	40.4	35.4	31.4	28.3	25.7	23.6
144.0	54.5	43.6	36.3	31.1	27.2	24.2	21.8	19.8	18.2



1" X 6" MULLION



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

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- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - 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.
 - 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.

TITLE:
ALUMINUM TUBE MULLION
1" X 6" MULLION TABLES -
WOOD/METAL SUBSTRATE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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FL #:
FL26891

DATE: **03.28.17**

DWG. BY: **AR/EG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **EWS007**

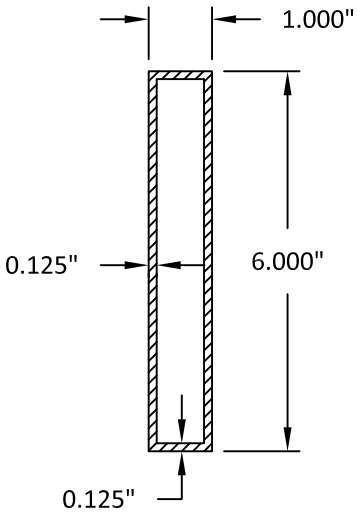
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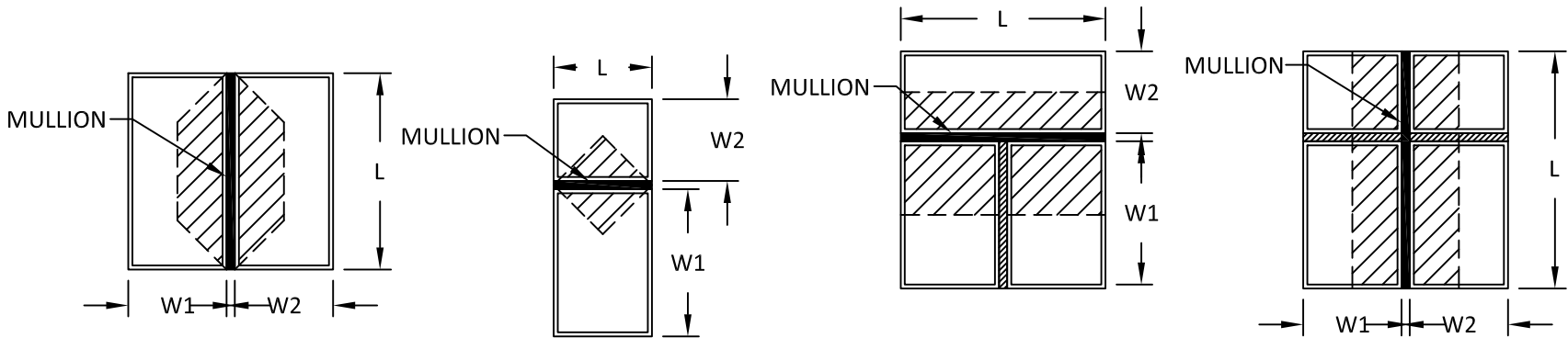
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DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 6" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	138.8	130.8	126.0	123.7	123.4	123.4
72.0	150.0	143.2	126.0	114.3	106.3	100.8	97.2	95.2	94.5
84.0	141.7	118.3	103.1	92.6	85.0	79.6	75.6	72.8	70.9
96.0	121.5	100.8	87.2	77.8	70.9	65.7	61.8	58.9	56.7
108.0	106.3	87.8	75.6	67.0	60.7	56.0	52.3	49.5	47.2
120.0	94.5	77.2	65.1	56.6	50.3	45.5	41.7	38.8	36.4
132.0	71.6	57.8	48.6	42.1	37.3	33.7	30.8	28.5	26.7
144.0	55.1	44.3	37.2	32.2	28.5	25.7	23.4	21.6	20.1

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 1" x 6" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	134.3	119.4	107.4	97.7	89.5
50.0	150.0	150.0	136.1	116.6	102.1	90.7	81.6	74.2	68.0
58.0	150.0	150.0	130.8	112.1	98.1	87.2	78.5	71.4	65.4
63.0	150.0	129.6	108.0	92.6	81.0	72.0	64.8	58.9	54.0
72.0	141.7	113.4	94.5	81.0	70.9	63.0	56.7	51.5	47.2
84.0	121.5	97.2	81.0	69.4	60.7	54.0	48.6	44.2	40.5
96.0	106.3	85.0	70.9	60.7	53.2	47.2	42.5	38.7	35.4
108.0	94.5	75.6	63.0	54.0	47.2	42.0	37.8	34.4	31.5
120.0	85.0	68.0	56.7	48.6	42.5	37.8	34.0	30.9	28.3
132.0	70.7	56.6	47.2	40.4	35.4	31.4	28.3	25.7	23.6
144.0	54.5	43.6	36.3	31.1	27.2	24.2	21.8	19.8	18.2



1" X 6" MULLION



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
- INSTALLATION SUBSTRATES:
 - 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 1-1/4" & EDGE DISTANCE OF 2-1/2". CONCRETE SHALL BE MIN. 4000 PSI.

TITLE: ALUMINUM TUBE MULLION
1" X 6" MULLION TABLES -
CONCRETE/MASONRY SUBSTRATE

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



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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.



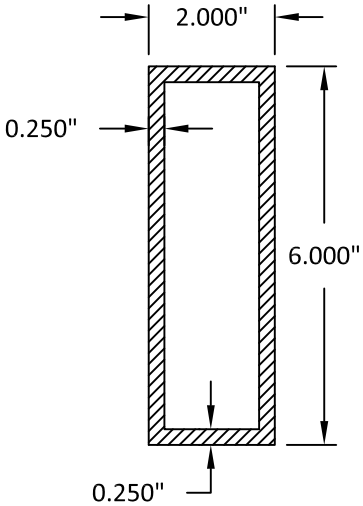
FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	10

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 6" - ONE-WAY MULLIONS

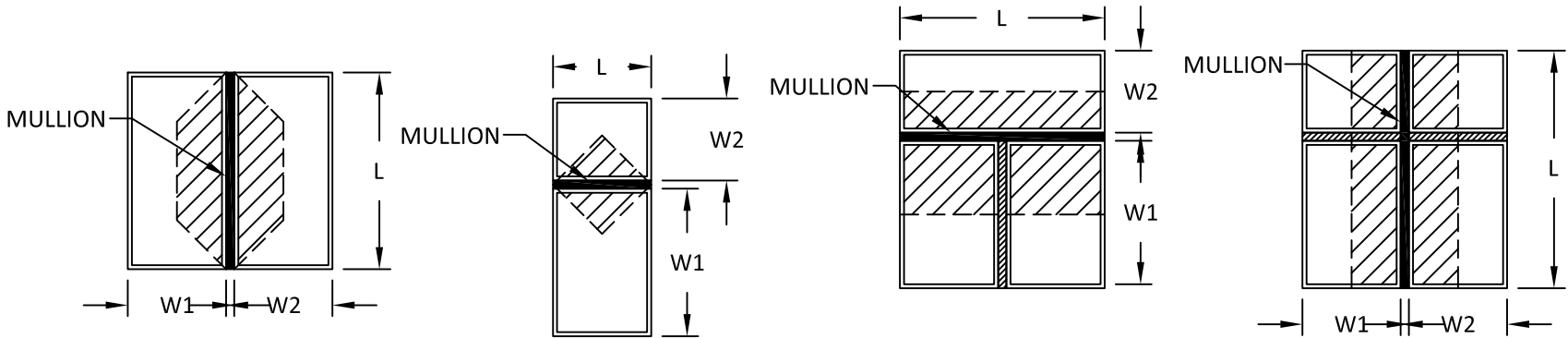
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
72.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
84.0	150.0	150.0	150.0	150.0	150.0	144.3	137.1	131.9	128.5
96.0	150.0	150.0	150.0	141.0	128.5	119.2	112.1	106.8	102.8
108.0	150.0	150.0	137.1	121.5	110.1	101.5	94.9	89.7	85.7
120.0	150.0	141.0	120.9	106.8	96.4	88.4	82.2	77.3	73.4
132.0	150.0	126.5	108.2	95.3	85.7	78.3	72.6	68.0	64.3
144.0	136.8	110.2	92.6	80.1	70.8	63.7	58.2	53.7	50.0

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 6" - TWO-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	148.0	134.6	123.4
58.0	150.0	150.0	150.0	150.0	150.0	150.0	142.3	129.4	118.6
63.0	150.0	150.0	150.0	150.0	146.9	130.5	117.5	106.8	97.9
72.0	150.0	150.0	150.0	146.9	128.5	114.2	102.8	93.5	85.7
84.0	150.0	150.0	146.9	125.9	110.1	97.9	88.1	80.1	73.4
96.0	150.0	150.0	128.5	110.1	96.4	85.7	77.1	70.1	64.3
108.0	150.0	137.1	114.2	97.9	85.7	76.1	68.5	62.3	57.1
120.0	150.0	123.4	102.8	88.1	77.1	68.5	61.7	56.1	51.4
132.0	140.2	112.1	93.5	80.1	70.1	62.3	56.1	51.0	46.7
144.0	128.5	102.8	85.7	73.4	64.3	57.1	51.4	46.7	42.8



2" X 6" MULLION



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - 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.
 - 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.

TITLE:
ALUMINUM TUBE MULLION
2" X 6" MULLION TABLES -
WOOD/METAL SUBSTRATE

PREPARED BY:
BUILDING DROPS, INC.

1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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FL #:
FL26891

DATE: **03.28.17**

DWG. BY: **AR/EG** CHK. BY: **HFN**

SCALE: **NTS**

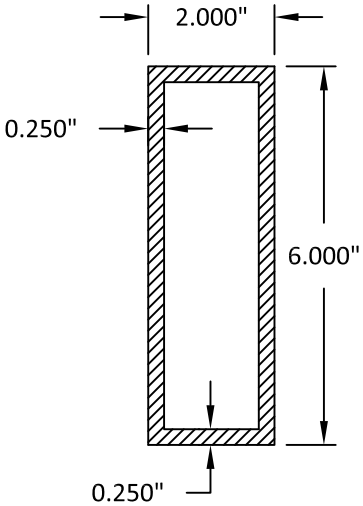
DWG. #: **EWS007**

SHEET:

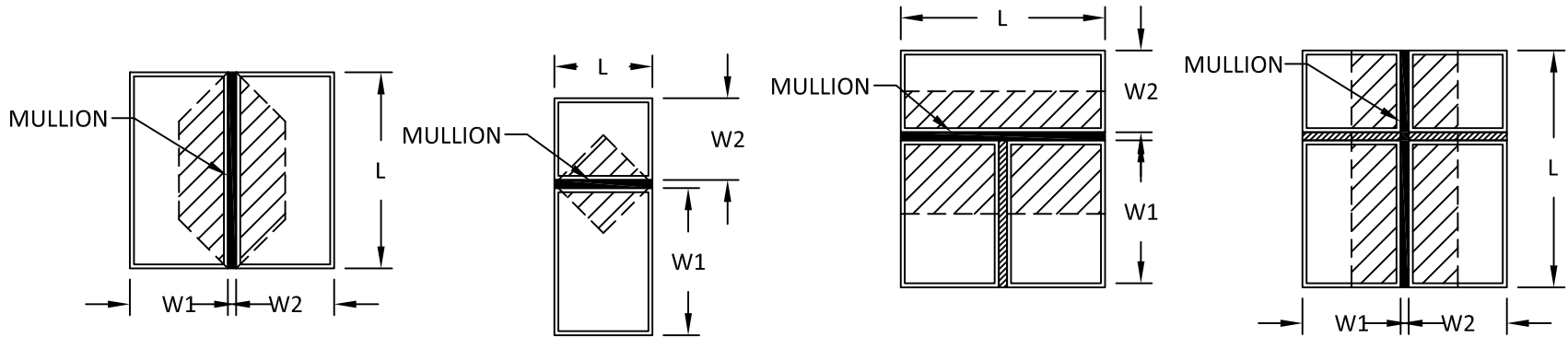
11

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 6" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	138.8	130.8	126.0	123.7	123.4	123.4
72.0	150.0	143.2	126.0	114.3	106.3	100.8	97.2	95.2	94.5
84.0	141.7	118.3	103.1	92.6	85.0	79.6	75.6	72.8	70.9
96.0	121.5	100.8	87.2	77.8	70.9	65.7	61.8	58.9	56.7
108.0	106.3	87.8	75.6	67.0	60.7	56.0	52.3	49.5	47.2
120.0	94.5	77.8	66.7	58.9	53.2	48.8	45.4	42.7	40.5
132.0	85.0	69.8	59.7	52.5	47.2	43.2	40.0	37.5	35.4
144.0	77.3	63.3	54.0	47.4	42.5	38.8	35.8	33.4	31.5

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 6" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	134.3	119.4	107.4	97.7	89.5
50.0	150.0	150.0	136.1	116.6	102.1	90.7	81.6	74.2	68.0
58.0	150.0	150.0	130.8	112.1	98.1	87.2	78.5	71.4	65.4
63.0	150.0	129.6	108.0	92.6	81.0	72.0	64.8	58.9	54.0
72.0	141.7	113.4	94.5	81.0	70.9	63.0	56.7	51.5	47.2
84.0	121.5	97.2	81.0	69.4	60.7	54.0	48.6	44.2	40.5
96.0	106.3	85.0	70.9	60.7	53.2	47.2	42.5	38.7	35.4
108.0	94.5	75.6	63.0	54.0	47.2	42.0	37.8	34.4	31.5
120.0	85.0	68.0	56.7	48.6	42.5	37.8	34.0	30.9	28.3
132.0	77.3	61.8	51.5	44.2	38.7	34.4	30.9	28.1	25.8
144.0	70.9	56.7	47.2	40.5	35.4	31.5	28.3	25.8	23.6



2" X 6" MULLION



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
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- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
- INSTALLATION SUBSTRATES:
 - 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 1-1/4" & EDGE DISTANCE OF 2-1/2". CONCRETE SHALL BE MIN. 4000 PSI.

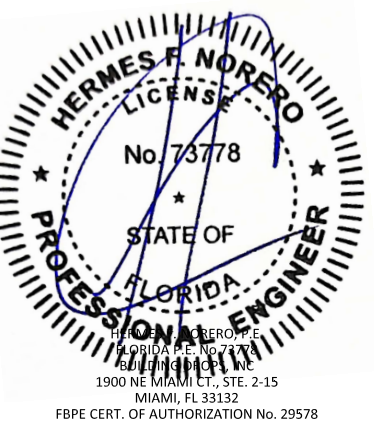
TITLE: ALUMINUM TUBE MULLION
2" X 6" MULLION TABLES -
CONCRETE/MASONRY SUBSTRATE

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



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

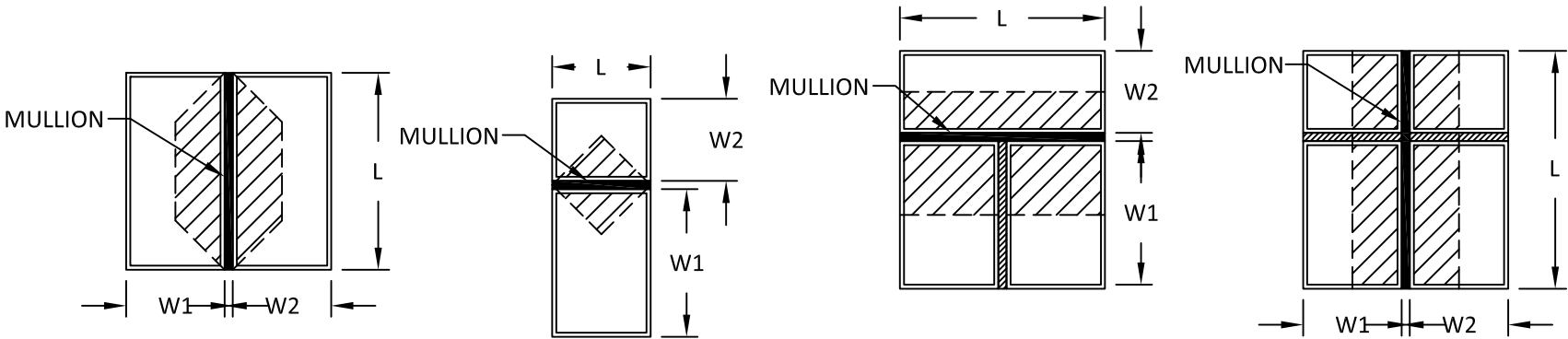
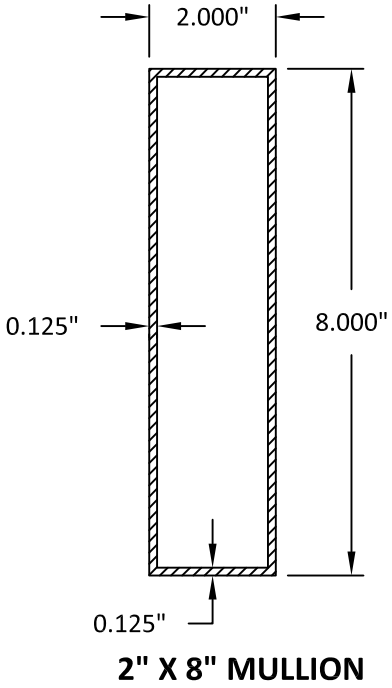
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FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	12

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 8" - ONE-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
72.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
84.0	150.0	150.0	150.0	150.0	150.0	144.3	137.1	131.9	128.5
96.0	150.0	150.0	150.0	141.0	128.5	119.2	112.1	106.8	102.8
108.0	150.0	150.0	137.1	121.5	110.1	101.5	94.9	89.7	85.7
120.0	150.0	141.0	120.9	106.8	96.4	88.4	82.2	77.3	73.4
132.0	150.0	126.5	108.2	95.3	85.7	78.3	72.6	68.0	64.3
144.0	140.2	114.8	97.9	86.0	77.1	70.3	64.9	59.8	55.6

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 8" - TWO-WAY MULLIONS									
L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	148.0	134.6	123.4
58.0	150.0	150.0	150.0	150.0	150.0	150.0	142.3	129.4	118.6
63.0	150.0	150.0	150.0	150.0	146.9	130.5	117.5	106.8	97.9
72.0	150.0	150.0	150.0	146.9	128.5	114.2	102.8	93.5	85.7
84.0	150.0	150.0	146.9	125.9	110.1	97.9	88.1	80.1	73.4
96.0	150.0	150.0	128.5	110.1	96.4	85.7	77.1	70.1	64.3
108.0	150.0	137.1	114.2	97.9	85.7	76.1	68.5	62.3	57.1
120.0	150.0	123.4	102.8	88.1	77.1	68.5	61.7	56.1	51.4
132.0	140.2	112.1	93.5	80.1	70.1	62.3	56.1	51.0	46.7
144.0	128.5	102.8	85.7	73.4	64.3	57.1	51.4	46.7	42.8



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

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2. LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
4. SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
5. ANCHOR REQUIREMENTS:

• WOOD: #14 WOOD SCREWS

• METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
6. 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.

• 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.

TITLE:
ALUMINUM TUBE MULLION
2" X 8" MULLION TABLES -
WOOD/METAL SUBSTRATE

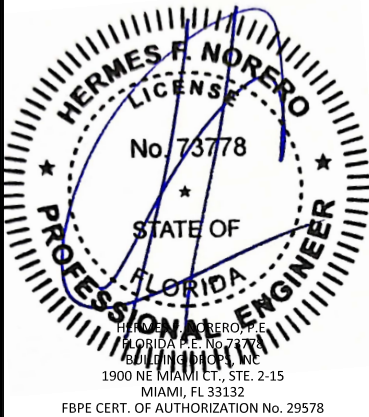
PREPARED BY:
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1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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FL #:
FL26891

DATE: 03.28.17

DWG. BY: AR/EG
CHK. BY: HFN

SCALE: NTS

DWG. #: EWS007

SHEET:

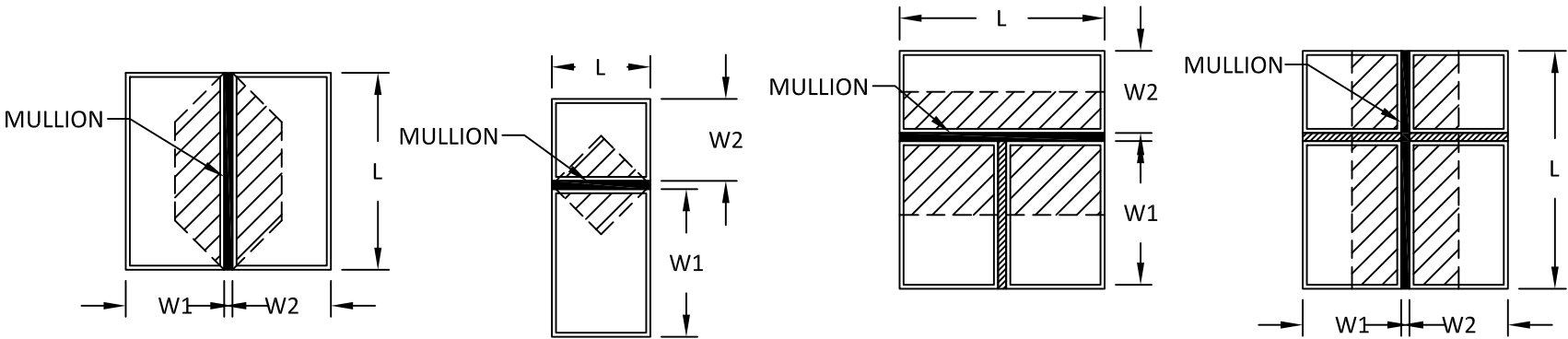
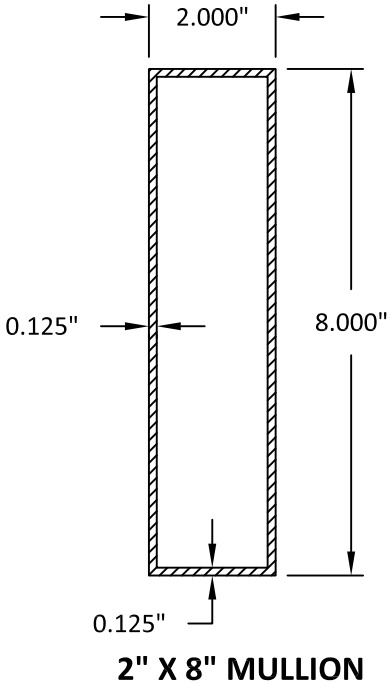
13

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 8" - ONE-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
50.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
58.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
63.0	150.0	150.0	150.0	138.8	130.8	126.0	123.7	123.4	123.4
72.0	150.0	143.2	126.0	114.3	106.3	100.8	97.2	95.2	94.5
84.0	141.7	118.3	103.1	92.6	85.0	79.6	75.6	72.8	70.9
96.0	121.5	100.8	87.2	77.8	70.9	65.7	61.8	58.9	56.7
108.0	106.3	87.8	75.6	67.0	60.7	56.0	52.3	49.5	47.2
120.0	94.5	77.8	66.7	58.9	53.2	48.8	45.4	42.7	40.5
132.0	85.0	69.8	59.7	52.5	47.2	43.2	40.0	37.5	35.4
144.0	77.3	63.3	54.0	47.4	42.5	38.8	35.8	33.4	31.5

DESIGN PRESSURE LIMITS (PSF) FOR MULLION: 2" x 8" - TWO-WAY MULLIONS

L - Mull Length (in)	W - Tributary Width (in)								
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
38.0	150.0	150.0	150.0	150.0	134.3	119.4	107.4	97.7	89.5
50.0	150.0	150.0	136.1	116.6	102.1	90.7	81.6	74.2	68.0
58.0	150.0	150.0	130.8	112.1	98.1	87.2	78.5	71.4	65.4
63.0	150.0	129.6	108.0	92.6	81.0	72.0	64.8	58.9	54.0
72.0	141.7	113.4	94.5	81.0	70.9	63.0	56.7	51.5	47.2
84.0	121.5	97.2	81.0	69.4	60.7	54.0	48.6	44.2	40.5
96.0	106.3	85.0	70.9	60.7	53.2	47.2	42.5	38.7	35.4
108.0	94.5	75.6	63.0	54.0	47.2	42.0	37.8	34.4	31.5
120.0	85.0	68.0	56.7	48.6	42.5	37.8	34.0	30.9	28.3
132.0	77.3	61.8	51.5	44.2	38.7	34.4	30.9	28.1	25.8
144.0	70.9	56.7	47.2	40.5	35.4	31.5	28.3	25.8	23.6



ONE-WAY MULLION DIAGRAMS

TWO-WAY MULLION DIAGRAMS

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

TABLE NOTES:

- SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 3 AND 4 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEETS 2 & 3 FOR SPECIFIC CLIP DIMENSIONS.
- ANCHOR REQUIREMENTS:
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
- INSTALLATION SUBSTRATES:
 - 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 1-1/4" & EDGE DISTANCE OF 2-1/2". CONCRETE SHALL BE MIN. 4000 PSI.

TITLE: ALUMINUM TUBE MULLION
2" X 8" MULLION TABLES -
CONCRETE/MASONRY SUBSTRATE

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REMARKS	BY	DATE
COMPANY NAME UPD.	SH	9.29.23
MULL UPDATE	MS	3.22.24

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.

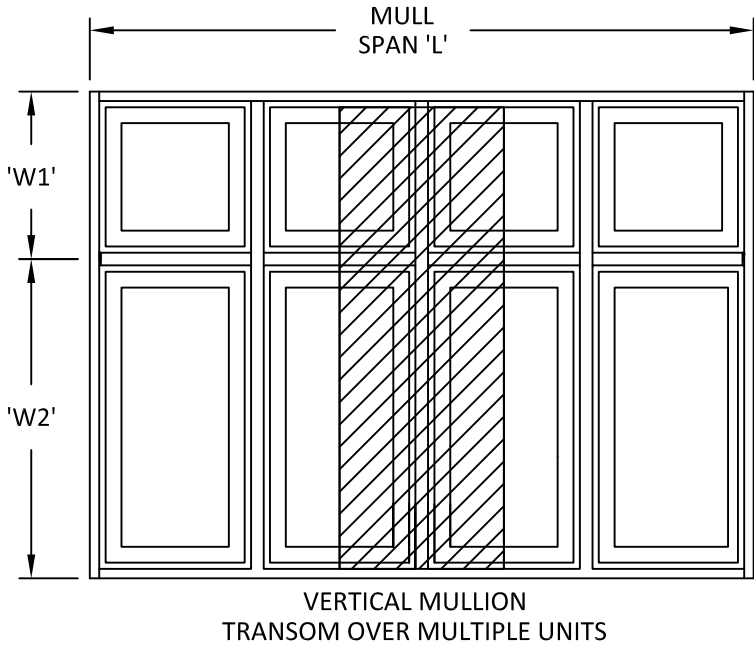
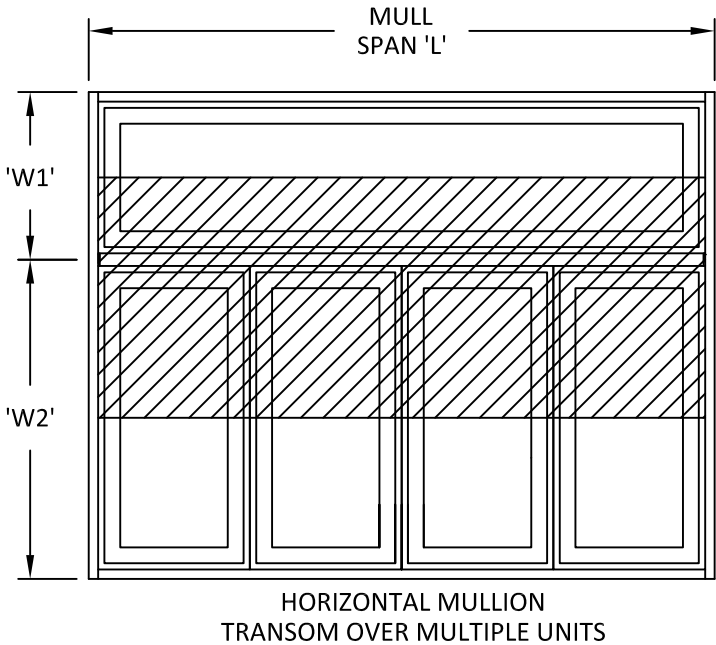


FL #:	FL26891
DATE:	03.28.17
DWG. BY:	AR/EG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EWS007
SHEET:	14

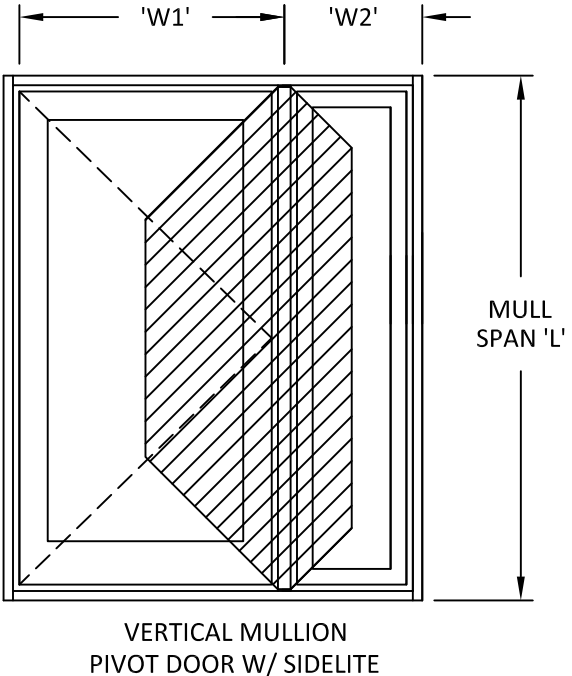
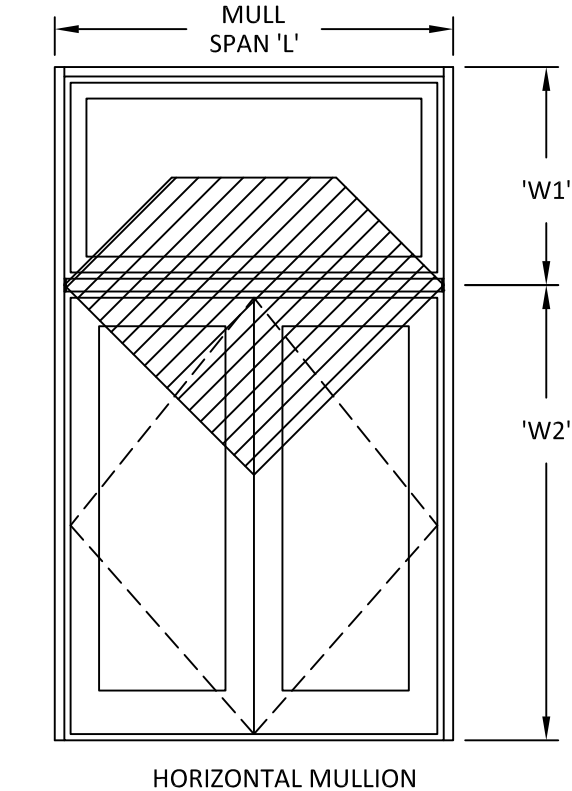
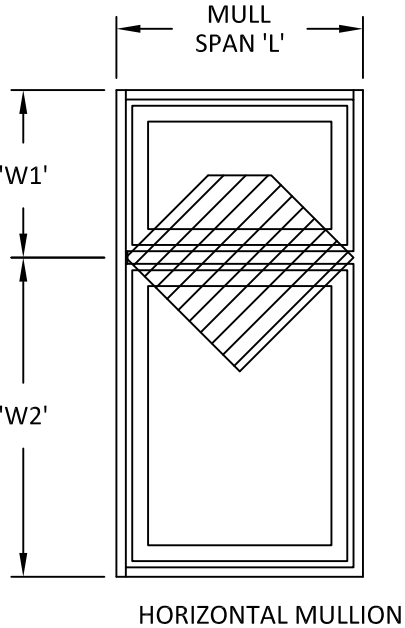
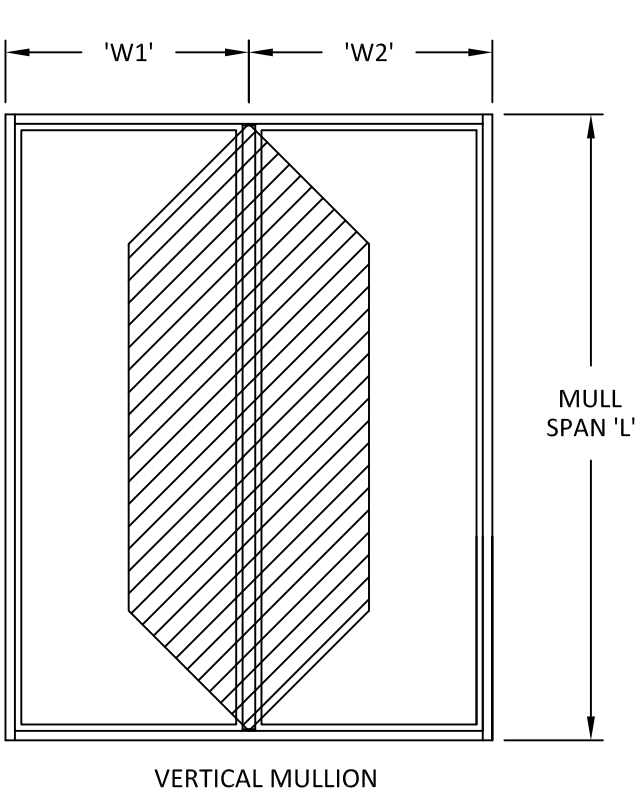
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EXAMPLES OF TWO-WAY MULLION ASSEMBLIES



EXAMPLES OF ONE-WAY MULLION ASSEMBLIES



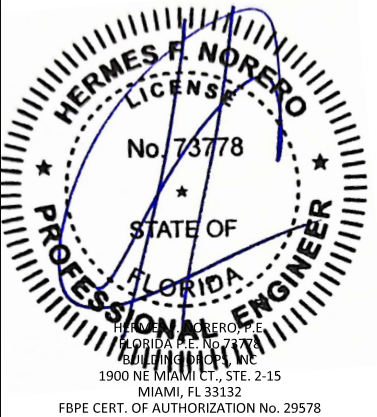
- NOTES:
1. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CONFIGURATIONS NOT SPECIFICALLY SHOWN MAY BE EXTRAPOLATED FROM THOSE SHOWN.
 2. IF THE LOADING TYPE CANNOT BE DETERMINED, USE TWO-WAY ASSEMBLY CONFIGURATION VALUES.
 3. FENESTRATION PRODUCTS SHALL BE ANCHORED AS PER SEPARATE APPROVAL.

TITLE: ALUMINUM TUBE MULLION
MULLION ASSEMBLIES

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SHEET:

15