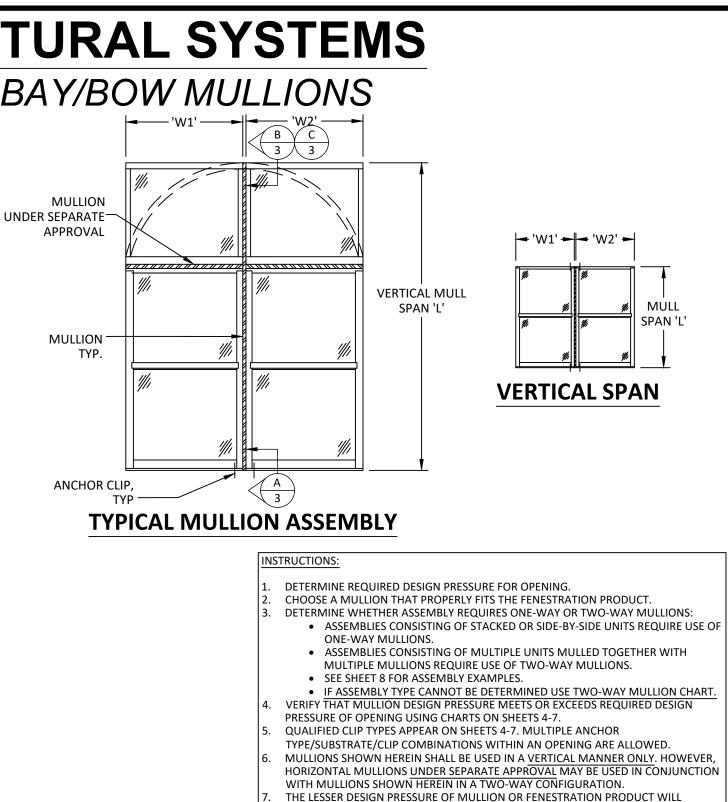
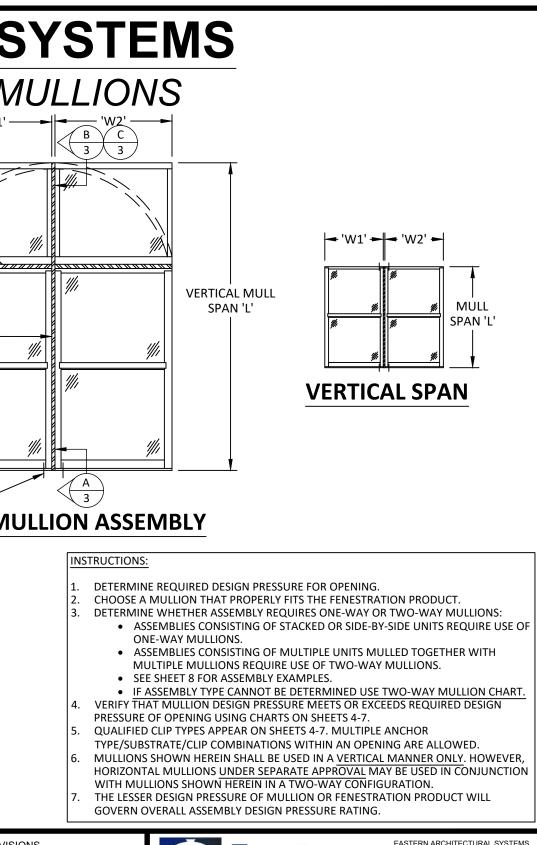
EASTERN ARCHITECTURAL SYSTEMS WZ3 CLIPPED ALUMINUM BAY/BOW MULLIONS

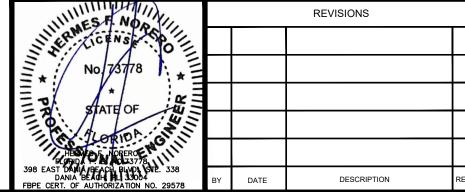
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA 1. BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ)
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN AREAS REQUIRING IMPACT 3. RESISTANCE 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 AREAS REQUIRING IMPACT RESISTANCE 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 5 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 6. 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 6005-T5 & 6063-T6 (AS NOTED)
- 9. MULLIONS MAY BE USED WITH ANY APPROVED FENESTRATION PRODUCT, UNDER SEPARATE APPROVAL.
- 10. SEE SHEETS 3-7 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.

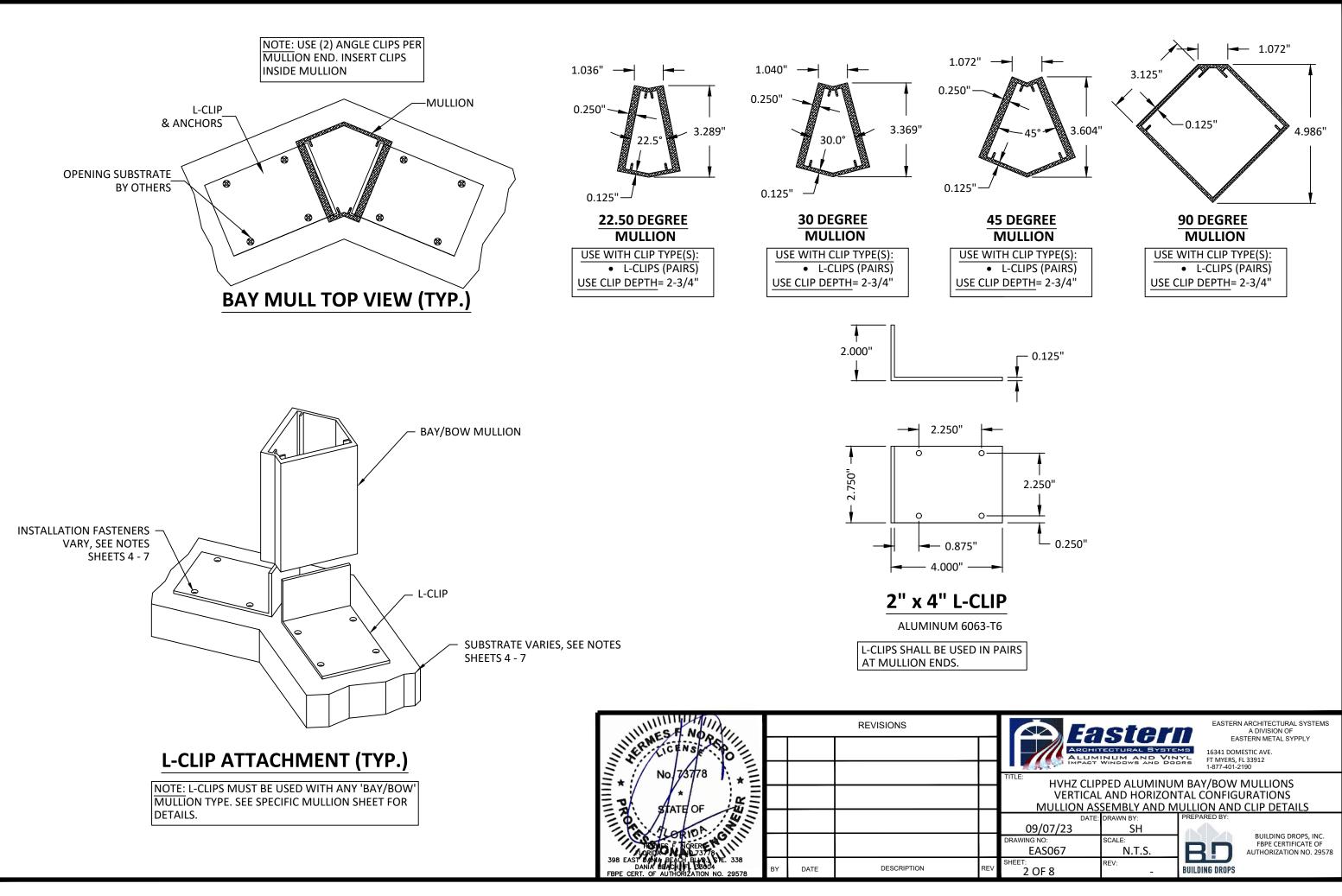
	TABLE OF CONTENTS
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTRUCTIONS, AND ELEVATIONS
2	MULLION ASSEMBLY AND MULLION AND CLIP DETAILS
3	MULLION CROSS SECTIONS
4	22.50° MULLION DESIGN LOAD TABLES
5	30° MULLION DESIGN LOAD TABLES
6	45° MULLION DESIGN LOAD TABLES
7	90° MULLION DESIGN LOAD TABLES
8	MULLION ASSEMBLY AND LOAD EXAMPLES

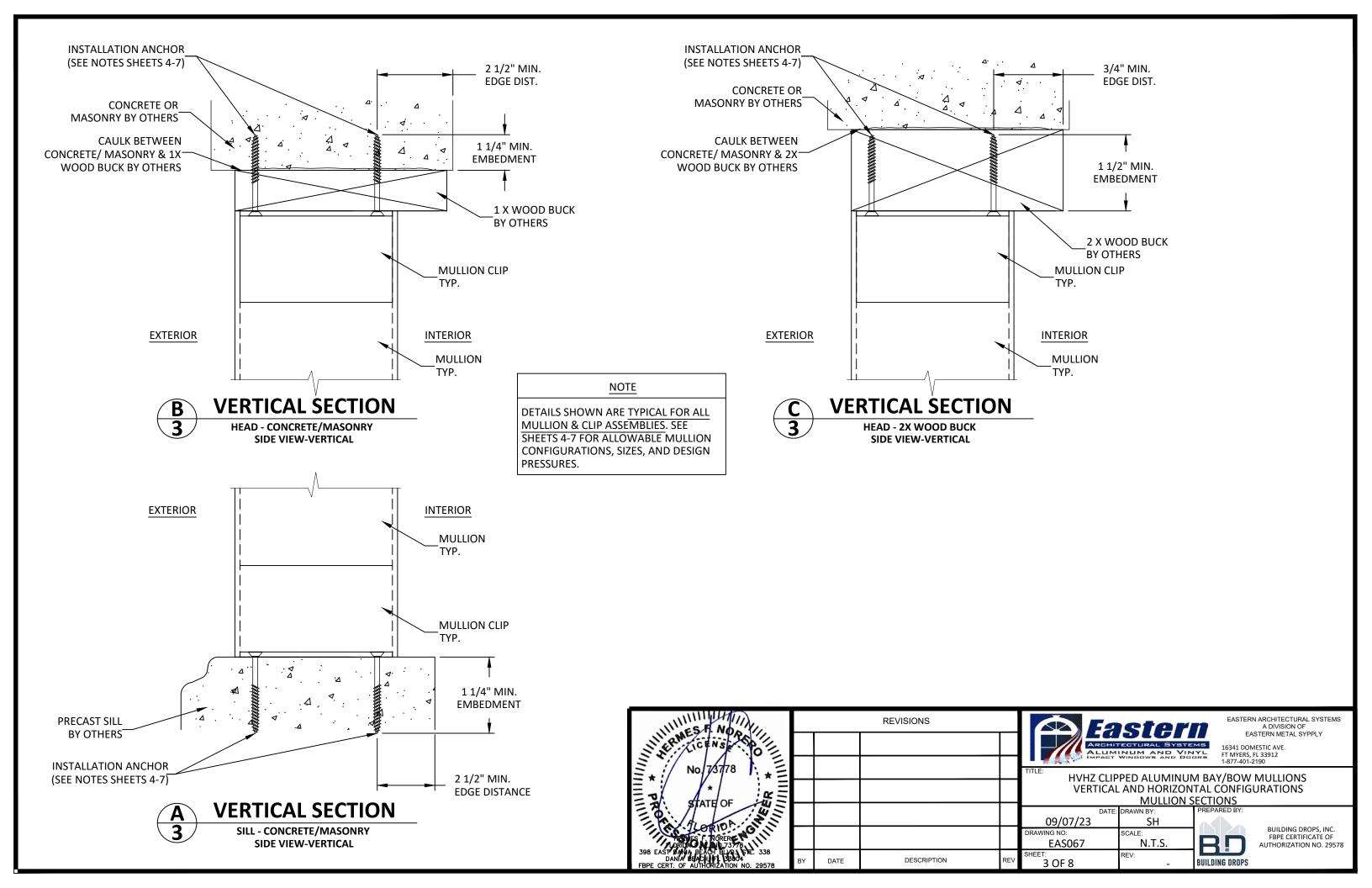






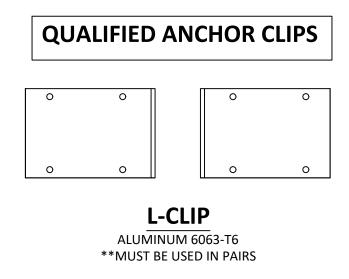
	ARCHIT	SECTURAL BYSTE INUM AND VIN WINDOWS AND DOG	16341	TERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SYPPLY DOMESTIC AVE. ERS, FL 33912 401-2190							
	WZ3 CLIPPED ALUMINUM BAY/BOW MULLIONS VERTICAL AND HORIZONTAL CONFIGURATIONS GENERAL AND INSTALLATION ELEVATIONS										
	DATE: 09/07/23	DRAWN BY: SH	PREPARED B	<i>(</i> :							
	DRAWING NO: EAS067	SCALE: N.T.S.	Rr	BUILDING DROPS, INC. FBPE CERTIFICATE OF AUTHORIZATION NO. 29578							
EV	SHEET: 1 OF 8	REV: -	BUILDING DRI	DPS							



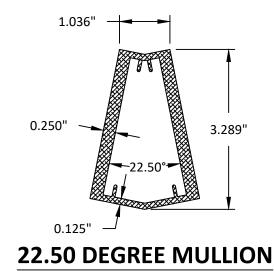


								A 1 F 1				
		DES	IGN PRESS	URE LIMIT	s for Mu	LLION: 22.	.5 Deg	ONE-WA	y Mullio	NS		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (II	N.)				
(IN.)	12	18	24	30	36	42	48	53.125	54	60	66	72
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
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	85.5	80.8	80.1	76.7	74.7	74.0
84	90.0	90.0	90.0	75.4	64.3	56.7	51.2	47.7	47.2	44.4	42.3	41.0
96	90.0	81.0	<mark>61.5</mark>	49.9	42.3	37.0	33.2	30.7	30.4	28.2	26.6	25.4
108	84.5	56.7	42.9	34.7	29.4	25.6	22.8	21.0	20.7	19.1	17.9	16.9
120	61.6	41.3	31.2	25.2	21.2	18.4	16.4	15.0	14.8	13.6	12.6	11.9
132	46.2	30.9	23.3	18.8	15.8	13.7	12.2	11.1	11.0	10.0	9.3	8.7
144	35.6	23.8	17.9	14.5	12.1	10.5	9.3	8.5	8.4	7.6	7.0	6.6

		DESI	GN PRESS		S FOR MU	LLION : 22.	5 Deg	TWO-WA		ONS		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (II	N.)				
(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	89.3	81.8
72	90.0	90.0	90.0	90.0	90.0	81.2	71.0	64.2	63.1	56.8	51.7	47.4
84	90.0	90.0	89.5	71.6	59.7	51.1	44.7	40.4	39.8	35.8	32.5	29.8
96	90.0	79.9	<mark>59.9</mark>	48.0	40.0	34.3	30.0	27.1	26.6	24.0	21.8	20.0
108	84.2	56.1	42.1	33.7	28.1	24.1	21.0	19.0	18.7	16.8	15.3	14.0
120	61.4	40.9	30.7	24.6	20.5	17.5	15.3	13.9	13.6	12.3	11.2	10.2
132	46.1	30.7	23.1	18.4	15.4	13.2	11.5	10.4	10.2	9.2	8.4	7.7
144	35.5	23.7	17.8	14.2	11.8	10.1	8.9	8.0	7.9	7.1	6.5	5.9



NOTE: SEE SHEET 2 FOR SPECIFIC CLIP DIMENSIONS.



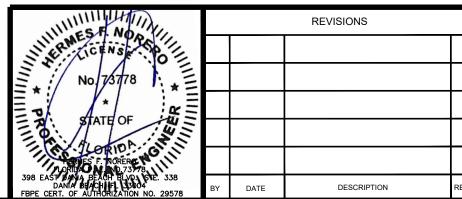
ALUMINUM 6005-T5

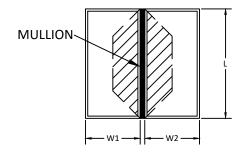
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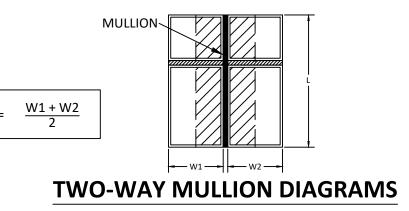
- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 2-3 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED. 2.
- 3. SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS.
- SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS. 4.
- 5. ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- 6. 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 1-3/4" & 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.





ONE-WAY MULLION DIAGRAMS

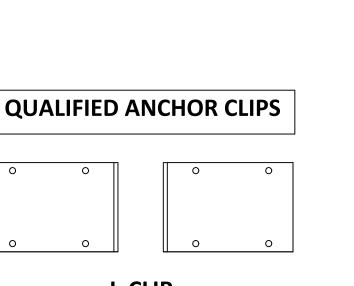


• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

		STORE	16341 I 16341 I The FT MYE	TERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SYPPLY DOMESTIC AVE. RS, FL 33912 01-2190							
	TITLE: HVHZ CLIPPED ALUMINUM BAY/BOW MULLIONS VERTICAL AND HORIZONTAL CONFIGURATIONS 22.5° MULLION										
	DATE: 09/07/23	DRAWN BY: SH	PREPARED BY	:							
	DRAWING NO: EASO67	scale: N.T.S.	RF	BUILDING DROPS, INC. FBPE CERTIFICATE OF AUTHORIZATION NO. 29578							
EV	SHEET: 4 OF 8	REV: -	BUILDING DROI	PS							

		DE	SIGN PRES	SURE LIMI	TS FOR M	ULLION: 3) Deg (ONE-WAY	MULLION	IS		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (I	N.)				
(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	85.0	84.4	80.7	78.4	77.9
84	90.0	90.0	90.0	79.4	67.7	59.6	53.9	50.2	49.7	46.7	44.3	43.1
96	90.0	85.3	64.7	52.5	44.5	39.0	35.0	32.3	31.9	29.7	27.7	26.7
108	89.0	59.7	45.2	36.6	30.9	26.9	24.0	22.1	21.8	20.1	18.6	17.8
120	64.8	43.4	32.8	26.5	22.3	19.4	17.2	15.8	15.6	14.3	13.2	12.5
132	48.6	32.6	24.6	19.8	16.7	14.5	12.8	11.7	11.6	10.6	9.7	9.1
144	37.4	25.1	18.9	15.2	12.8	11.1	9.8	8.9	8.8	8.0	7.3	6.9

		DES	SIGN PRES	SURE LIMI	IS FOR MU	JLLION: 30) Deg T	WO-WAY	MULLIO	٧S		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (II	N.)				
(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	83.0
72	90.0	90.0	90.0	90.0	90.0	85.5	74.8	<mark>67.6</mark>	66.5	59.8	54.4	49.8
84	90.0	90.0	90.0	75.3	62.8	53.8	47.1	42.5	41.9	37.7	34.2	31.4
96	90.0	84.1	63.1	50.5	42.1	36.1	31.5	28.5	28.0	25.2	22.9	21.0
108	88.6	59.1	44.3	35.4	29.5	25.3	22.2	20.0	19.7	17.7	16.1	14.8
120	64.6	43.1	32.3	25.8	21.5	18.5	16.2	14.6	14.4	12.9	11.7	10.8
132	48.5	32.4	24.3	19.4	16.2	13.9	12.1	11.0	10.8	9.7	8.8	8.1
144	37.4	24.9	18.7	15.0	12.5	10.7	9.3	8.4	8.3	7.5	6.8	6.2



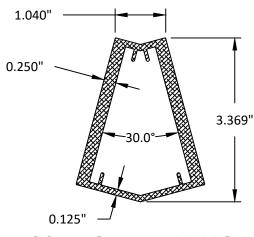
L-CLIP ALUMINUM 6063-T6

0

0

**MUST BE USED IN PAIRS

NOTE: SEE SHEET 2 FOR SPECIFIC CLIP DIMENSIONS.



30 DEGREE MULLION

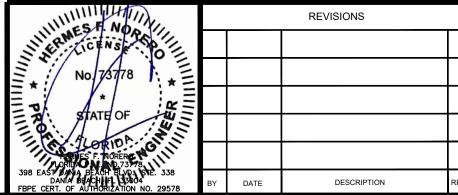
ALUMINUM 6005-T5

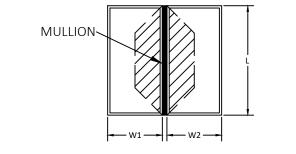
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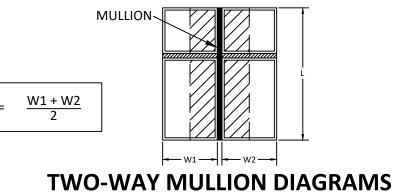
- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 2-3 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED. 2.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS. 3.
- SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS. 4.
- ANCHOR REQUIREMENTS: 5.
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- 6. INSTALLATION SUBSTRATES:

 - 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.





ONE-WAY MULLION DIAGRAMS



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

		STERIAL SYSTE		EASTERN ARCHITEC A DIVISIC EASTERN MET, L6341 DOMESTIC AVE. T MYERS, FL 33912 I-877-401-2190	N OF						
	TITLE: HVHZ CLIPPED ALUMINUM BAY/BOW MULLIONS VERTICAL AND HORIZONTAL CONFIGURATIONS 30° MULLION										
	DATE: 09/07/23	DRAWN BY: SH	PREPARI	ED BY:							
	DRAWING NO: EAS067	scale: N.T.S.	R	FBPE C	NG DROPS, INC. ERTIFICATE OF ATION NO. 29578						
EV	SHEET: 5 OF 8	REV: -	BUILDING	G DROPS							

		DES	SIGN PRES	SURE LIMI		JLLION: 45	5 Deg (ONE-WAY	MULLIO	NS		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (I	N.)				
(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	89.1	88.2
84	90.0	90.0	90.0	89.9	76.7	67.6	<mark>61.0</mark>	56.9	56.3	52.9	50.5	48.9
96	90.0	90.0	73.3	59.5	50.5	44.2	39.6	36.6	36.2	33.6	31.7	30.2
108	90.0	67.6	51.2	41.4	35.0	30.5	27.2	25.0	24.7	22.8	21.3	20.1
120	73.4	49.2	37.2	30.0	25.3	22.0	19.5	17.9	17.7	16.2	15.1	14.2
132	55.1	36.9	27.8	22.5	18.9	16.4	14.5	13.3	13.1	12.0	11.1	10.4
144	42.4	28.4	21.4	17.2	14.5	12.5	11.1	10.1	10.0	9.1	8.4	7.8

DESIGN PRESSURE LIMITS FOR MULLION: 45 Deg. - TWO-WAY MULLIONS

36

90.0

90.0

90.0

90.0

90.0

71.1

47.7

33.5

24.4

18.3

14.1

TRIBUTARY WIDTH 'W' (IN.)

48

90.0

90.0

90.0

90.0

84.7

53.4

35.7

25.1

18.3

13.7

10.6

53.125

90.0

90.0

90.0

90.0

76.5

48.2

32.3

22.7

16.5

12.4

9.6

54

90.0

90.0

90.0

90.0

75.3

47.4

31.8

22.3

16.3

12.2

9.4

60

90.0

90.0

90.0

90.0

67.8

42.7

28.6

20.1

14.6

11.0

8.5

66

90.0

90.0

90.0

90.0

61.6

38.8

26.0

18.3

13.3

10.0

7.7

72

90.0

90.0

90.0

83.0

56.5

35.6

23.8

16.7

12.2

9.2

7.1

42

90.0

90.0

90.0

90.0

90.0

61.0

40.8

28.7

20.9

15.7

12.1

SPAN 'L'

(IN.)

24

36

48

60

72

84

96

108

120

132

144

12

90.0

90.0

90.0

90.0

90.0

90.0

90.0

90.0

73.2

55.0

42.4

18

90.0

90.0

90.0

90.0

90.0

90.0

90.0

66.9

48.8

36.7

28.2

24

90.0

90.0

90.0

90.0

90.0

90.0

71.5

50.2

36.6

27.5

21.2

30

90.0

90.0

90.0

90.0

90.0

85.4

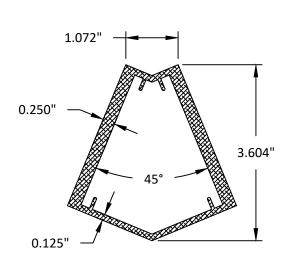
57.2

40.2

29.3

22.0

16.9



45 DEGREE MULLION

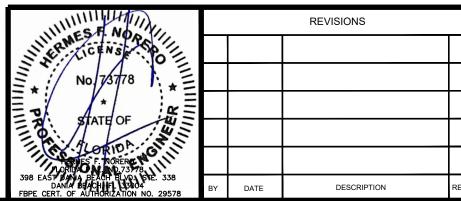
ALUMINUM 6005-T5

TRIBUTARY WIDTH =

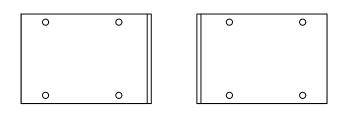
TABL	ΕN	IOT	ES:

- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 2-3 FOR TYPICAL INSTALLATION METHODS & CLIP DETAILS.
- LINEAR INTERPOLATION BETWEEN LISTED WIDTHS AND SPANS IS ALLOWED. 2.
- SEE THIS SHEET FOR SPECIFIC MULLION DIMENSIONS. 3.
- SEE SHEET 3 FOR SPECIFIC CLIP DIMENSIONS. 4.
- 5. ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- 6. INSTALLATION SUBSTRATES:

 - 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.
 - 18 GA. (0.045" THICK) 33 KSI YIELD. ALUMINUM SHALL BE MIN. 1/8" THICK ALUMINUM 6063-T5.



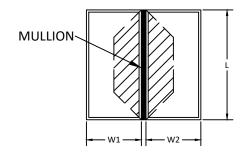
QUALIFIED ANCHOR CLIPS



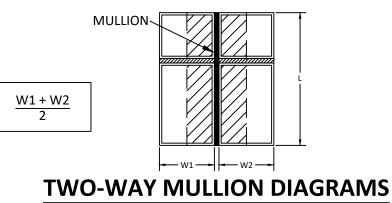
L-CLIP ALUMINUM 6063-T6

**MUST BE USED IN PAIRS

NOTE: SEE SHEET 2 FOR SPECIFIC CLIP DIMENSIONS.



ONE-WAY MULLION DIAGRAMS



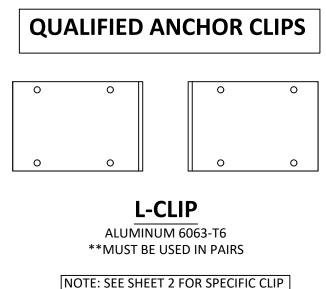
• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55. • HOLLOW CMU ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/4" & EDGE DISTANCE OF 2-1/2". HOLLOW CMU SHALL

• METAL ANCHORS SHALL HAVE A MIN. (3) THREADS PENETRATION BEYOND METAL STRUCTURE. STEEL SHALL BE MIN.

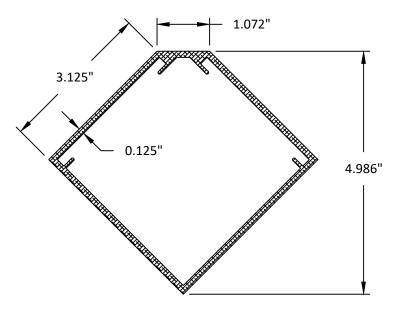
		STERIAL SYSTE		STERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SYPPLY I DOMESTIC AVE. (ERS, FL 33912			
	The second se		1-877	-401-2190			
		PED ALUMINUN					
			VTAL CONFIGURATIONS				
	VERTICAL	AND HORIZON	TAL CON	FIGURATIONS			
		45° MU	LLION				
	DATE:	DRAWN BY:	PREPARED B	Y:			
	09/07/23	SH		05			
	DRAWING NO:	SCALE:		BUILDING DROPS, INC.			
	EAS067	N.T.S.	RF	FBPE CERTIFICATE OF AUTHORIZATION NO. 29578			
_	SHEET:	REV:		,			
EV	6 OF 8	-	BUILDING DR	OPS			

		DE	SIGN PRES	SURE LIMI	TS FOR MU	JLLION: 90) Deg (ONE-WAY	MULLION	VS		
SPAN 'L'					TRIBU	TARY WID	TH 'W' (II	N.)				
(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	89.0
96	90.0	90.0	90.0	90.0	90.0	80.5	72.1	66.7	65.9	61.2	57.7	55.1
108	90.0	90.0	90.0	75.5	63.8	55.6	49.6	45.6	45.0	41.5	38.8	36.7
120	90.0	89.6	67.7	54.7	46.1	40.0	35.6	32.6	32.2	29.5	27.5	25.8
132	90.0	67.2	50.7	40.9	34.4	29.8	26.4	24.2	23.8	21.8	20.2	18.9
144	77.3	51.7	39.0	31.4	26.4	22.8	20.2	18.4	18.2	16.6	15.3	14.2

DESIGN PRESSURE LIMITS FOR MULLION: 90 Deg TWO-WAY MULLIONS												
SPAN 'L'	TRIBUTARY WIDTH 'W' (IN.)											
(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	83.0
72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	83.0	75.5	69.2
84	90.0	90.0	90.0	90.0	90.0	90.0	88.9	80.4	79.1	71.2	64.7	59.3
96	90.0	90.0	90.0	90.0	86.8	74.4	65.1	58.8	57.9	52.1	47.3	43.4
108	90.0	90.0	90.0	73.1	60.9	52.2	45.7	41.3	40.6	36.6	33.2	30.5
120	90.0	88.9	66.6	53.3	44.4	38.1	33.3	30.1	29.6	26.7	24.2	22.2
132	90.0	66.8	50.1	40.1	33.4	28.6	25.0	22.6	22.3	20.0	18.2	1 <u>6.</u> 7
144	77.1	51.4	38.6	30.9	25.7	22.0	19.3	17.4	17.1	15.4	14.0	12.9



DIMENSIONS.



90 DEGREE MULLION

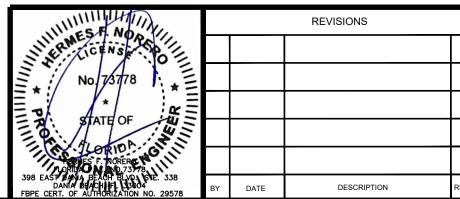
ALUMINUM 6005-T5

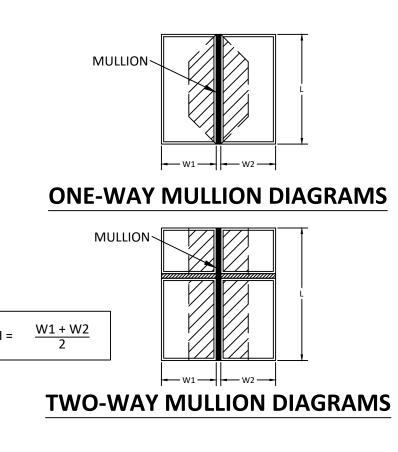
TRIBUTARY WIDTH =

TABLE NOTES:

- 1. SEE SHEET 1 FOR INSTRUCTIONS ON USING TABLES. SEE SHEETS 2-3 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 CLIP DIMENSIONS.
- 5. ANCHOR REQUIREMENTS:
 - WOOD: #14 WOOD SCREWS
 - CMU: 1/4" ITW TAPCONS
 - CONCRETE: 1/4" ITW TAPCONS
 - METAL: 1/4" SELF-DRILLING SCREWS (GRADE 5)
- 6. 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 1-3/4" & 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.

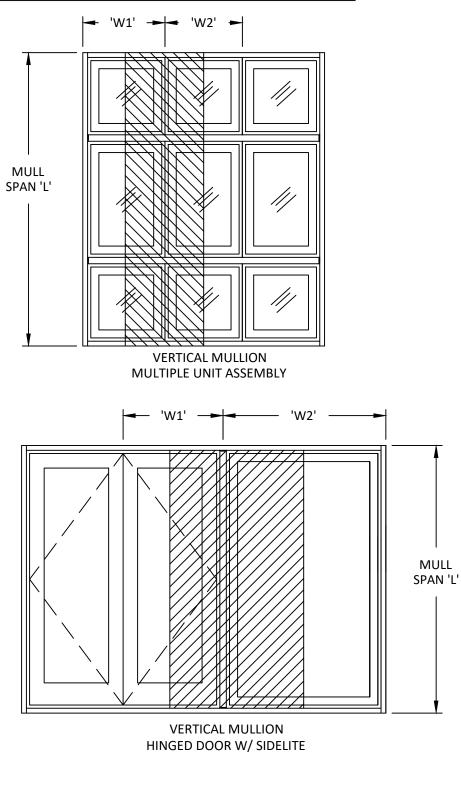




• WOOD ANCHORS SHALL HAVE A MIN. EMBEDMENT OF 1-1/2" & EDGE DISTANCE OF 3/4". WOOD SHALL BE MIN. S.G.=0.55.

	ARCHIT	STORE		EA						
	HVHZ CLIPPED ALUMINUM BAY/BOW MULLIONS VERTICAL AND HORIZONTAL CONFIGURATIONS 90° MULLION									
	DATE: 09/07/23	DRAWN BY: SH	PREPAR	RED BY:						
	DRAWING NO: EAS067	scale: N.T.S.	R	n	BUILDING DROPS, INC. FBPE CERTIFICATE OF AUTHORIZATION NO. 29578					
EV	SHEET: 7 OF 8	REV: -	BUILDIN	G DROPS						





MULL

