JELD-WEN

CLIPPED ALUMINUM TUBE MULLION - IMPACT RESISTANT MULLION SPAN VS. LOAD WIDTH TABLES - INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- 1. THE SYSTEM DESCRIBED HEREIN IS DESIGNED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE AND THE 2018 INTERNATIONAL RESIDENTIAL CODE AT THE DESIGN PRESSURES STATED HEREIN.
- 2. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB SPECIFIC BASIS IN ACCORDANCE WITH CHAPTER 16 OF THE 2018 INTERNATIONAL BUILDING CODE AND CHAPTER 3 OF THE 2018 INTERNATIONAL RESIDENTIAL CODE.
- 3. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT IF REQUIRED.
- 4. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- 5. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
- 6. ALL FENESTRATION PRODUCTS TO BE USED WITH THESE MULLIONS SHALL MEET ALL APPLICABLE CODE REQUIREMENTS, e.g. WIND LOAD RESISTANCE, AIR & WATER INFILTRATION, FORCED ENTRY, SAFEGUARDS, ETC.
- 7. TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. MULLIONS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- 8. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- 9. MINIMUM ANCHOR EMBEDMENT SHALL BE AS NOTED IN HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO. FOAM. BRICK. AND OTHER WALL FINISHES.
- 10. MULLIONS SHOWN HEREIN MAY BE USED IN LARGE MISSILE IMPACT, SMALL MISSILE IMPACT, AND NON-IMPACT APPLICATIONS. WHERE OPENING PROTECTION IS REQUIRED, FENESTRATION PRODUCTS USED WITH THESE PRODUCTS MUST MEET WIND BORNE DEBRIS IMPACT RESISTANT REQUIREMENTS FOR OPENING PROTECTION OR AN APPROVED IMPACT RESISTANT SHUTTER USED.

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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & ANCHOR SCHEDULE
2	ELEVATIONS 1, 2 AND 3
3	ELEVATIONS 4 AND 5
4	COMPONENTS
5	C-CLIP AND T-CLIP INSTALLATION DETAILS
6	'GOAL-POST' CLIP INSTALLATION DETAILS
7 & 8	MULLION SPAN VS. LOAD WIDTH TABLES

INSTALLATION NOTES:

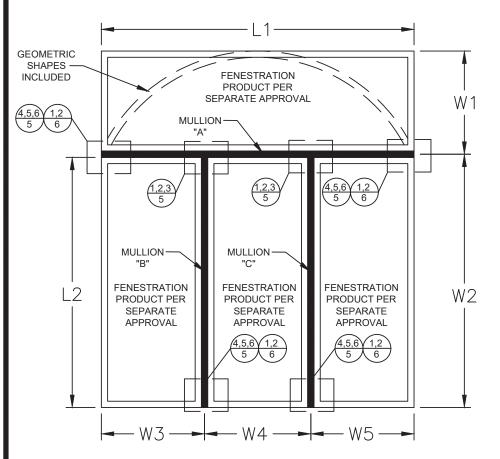
- 1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- 2. ENSURE MINIMUM EDGE DISTANCE FOR ALL ANCHORS AS 2-1/4" TO CONCRETE AND 2" TO HOLLOW BLOCK.
- 3. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
- 4. ANCHORS TO STEEL OR ALUMINUM SHALL HAVE A MINIMUM EDGE DISTANCE OF 1/2"
- 5. WOOD HOST STRUCTURE SHALL HAVE SPECIFIC GRAVITY (SG) = 0.55 OR GREATER.
- ANCHOR REQUIREMENTS AS SHOWN HEREIN, INCLUDING MINIMUM EMBEDMENT AND EDGE DISTANCE, EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- 7. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO STRUCTURAL WOOD FRAMING MEMBERS, NOT SHEATHING.
- 8. PRESSURE TREATED WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- 9. ANCHORS TO CONCRETE AND HOLLOW CONCRETE BLOCK MAY NOT BE USED IN CONJUNCTION WITH 'GOAL-POST' CLIP AND CUP PLATE.
- 10. INSTALLATION OF THE WINDOW TO MULLION SHALL USE THE SAME SIZE WOOD SUBSTRATE INSTALLATION SCREW REQUIRED BY THE WINDOW'S APPROVED TDI PRODUCT EVALUATION REPORT (WIN NO. LISTED BELOW IN NOTE 10.4). A THREAD-FORMING, THREAD-CUTTING OR SELF-DRILLING SCREW MEETING THE REQUIREMENTS SHOWN IN THE ANCHOR SCHEDULE, NOTE 5 BELOW SHALL BE USED. IN ALL CASES A MINIMUM NO. 10 SCREW IS REQUIRED UNLESS THE APPROVED TDI PRODUCT EVALUATION REPORT REQUIRES A LARGER DIAMETER SCREW, IN WHICH CASE THAT SIZE GOVERNS. THE FOLLOWING SHALL ALSO BE ADHERED TO.
- 10.1. THE ANCHOR QUANTITY AND/OR SPACING SHOWN IN THE WINDOW'S APPROVED TDI PRODUCT EVALUATION REPORT FOR INSTALLATION INTO WOOD SUBSTRATE SHALL BE USED FOR THE INSTALLATION OF THE THREAD-FORMING, THREAD-CUTTING OR SELF-DRILLING SCREW WHEN ATTACHING THE WINDOW TO THE ALUMINUM MULLION.
- 10.2. FOR FIN WINDOW INSTALLATIONS, THE FIN SHALL BE REMOVED AND THE WINDOW ATTACHED TO THE MULLION USING THE FRAME INSTALLATION METHOD. SEE SHEET 5 FOR TYPICAL DETAIL.
- 10.3. FOR FRAME WINDOW INSTALLATIONS, THE WINDOW SHALL BE ATTACHED TO THE MULLION USING THE FRAME INSTALLATION METHOD. SEE SHEET 5 FOR TYPICAL DETAIL.
- 10.4. THE FOLLOWING APPROVED TDI PRODUCT EVALUATION REPORTS ARE APPLICABLE FOR USE WITH THE MULLION SYSTEM.
- 10.4.1. PREMIUM ATLANTIC ALUMINUM WIN NO. 1359, 1437, 1441, 1442.
- 10.4.2. BUILDERS ATLANTIC ALUMINUM WIN NO. 1324 AND 1335
- 10.4.3. PREMIUM ATLANTIC VINYL WIN NO. 760. 761. 782, 940, 1072, 1340, 1342, 1343, 1344, 1351 AND 1414.
- 10.4.4. BUILDERS VINYL WIN NO. 1153 AND 1478

ANCHOR SCHEDULE:

- 1. MULL CLIP TO CONCRETE BLOCK
- 1.1. 3/16" DIA. ITW ADVANCED THREADFORM TAPCONS WITH 1" MINIMUM EMBEDMENT AND 2" MINIMUM EDGE DISTANCE.
- 1.2. ATTACHMENT MAY BE MADE THROUGH 1X OR 2X WOOD BUCKS OR DIRECTLY INTO MASONRY.
- 2. MULL CLIP TO 2500 PSI MINIMUM CONCRETE
- 2.1. 3/16" DIA. ITW ADVANCE THREADFORM TAPCONS WITH 1-1/2" MINIMUM EMBEDMENT AND 2-1/4" MINIMUM EDGE DISTANCE.
- 2.2. ATTACHMENT MAY BE MADE THROUGH 1X OR 2X WOOD BUCKS OR DIRECTLY INTO CONCRETE.
- 3. MULL CLIP TO 2X WOOD BUCK OR 2X WOOD FRAME HOST SUBSTRATE
- 3.1. #10 WOOD SCREWS OF #10 TAPPING SCREWS (SMS OR SDS) WITH 1-1/2" MINIMUM EMBEDMENT AND 3/4" MINIMUM EDGE DISTANCE.
- 4. MULL CLIP TO 1/8" THICK MINIMUM 6063-T5 ALUMINIUM OR STEEL SUBSTRATE (Ftu = Fty = 22 KSI MINIMUM). INCLUDES CLIP TO MULLION ATTACHMENTS
- 4.1. #10 316 STAINLESS STEEL SHEET METAL SCREW (SMS) OR SELF DRILLING SCREW (SDS) WITH FULL THREAD PENETRATION THROUGH HOST SUBSTRATE AND 1/2" MINIMUM EDGE DISTANCE.
- WINDOW TO MULLION
- 5.1. MINIMUM #10 THREAD-FORMING, THREAD-CUTTING OR SELF-DRILLING TAPPING SCREW AS FOLLOWS. SEE INSTALLATION NOTE 10 ON THIS SHEET FOR MORE DETAILS.
- 5.1.1. ASME B18.6.4, TYPE B THREAD-FORMING
- 5.1.2. ASME B18.6.4, TYPE F, D(1) OR T(23) THREAD-CUTTING
- 5.1.3. ITW TEKS OR SUPER TEKS SELF-DRILLING
- 6. ALL SCREWS SHALL BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

JELD-1	JELD-WEN INC.			PRO IECT NO 422-0210	02-0210	
3737 LAKEPO	3737 LAKEPORT BOULEVARD			1100EO1 110. 42	2-02-10	
KLAMATH FA	KLAMATH FALLS, OR 97601		O		314/2022	ü
TITLE: CLIPPED ALUMINUM TUBE MULLION - IMPACT RESISTANT	MULLION - IMP.	ACT RESISTANT		UPDATE TO 2018 i-cODES		
GENERAL NOTES, INST. NOTES & ANCHOR SCHEDULE	OTES & ANCHO	R SCHEDULE		14001	2/20/16	
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	SCALE:	DRAWING NO:	∢	REVISED FOR CLARIFICATION	9/21/15	ш
OUP, LLC	NONE	JELD0109		OF WINDOW TO MULLION ATTACHMENT		
P.O. Box 520775 Phone: 321.690.1788	REV:	SHEET:				L

Robert J. Amoruso. P.E. Texas PE No. 80817



NOTES:

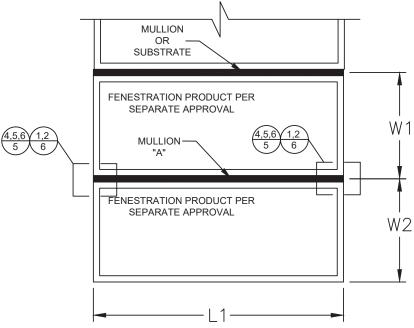
- NUMBER OF FENESTRATION PRODUCTS UNDERNEATH TRANSOM MAY BE UNLIMITED PROVIDED THAT MULLION LIMITATIONS NOTED HEREIN ARE NOT EXCEEDED.
- 2. ANCHORAGE OF FENESTRATION PRODUCTS TO MULLIONS SHALL BE PER INSTALLATION NOTE 10 ON SHEET 1.
- 3. ALLOWABLE DESIGN PRESSURES SHALL BE DETERMINED FROM DESIGN SCHEDULES
- 4. MULLION SPANS AND TRIBUTARY WIDTHS SHALL BE DETERMINED AS FOLLOWS:
- 4.1. MULLION "A"
- 4.1.1. MULLION SPAN = L1
- 4.1.2. TRIBUTARY WIDTH = (W1 + W2)/2
- 4.2. MULLION "B"
- 4.2.1. MULLION SPAN = L2
- 4.2.2. TRIBUTARY WIDTH = (W3 + W4)/2
- 4.3. MULLION "C"
- 4.3.1. MULLION SPAN = L3
- 4.3.2. TRIBUTARY WIDTH = (W4 + W5)/2



3-WAY MULLED FENESTRATION PRODUCTS WITH TRANSOM

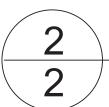
EXTERIOR ELEVATION SHOWN

MOTE: MULLION DESIGNATIONS (MULLION "A", MULLION "B" AND MULLION "C") SHOWN IN DETAILS 1/2, 2/2 AND 3/2 ARE PROVIDED ONLY TO ILLUSTRATE THE DETERMINATION OF MULLION SPANS AND TRIBUTARY WIDTHS. ALL MULLIONS SHOWN IN THE REFERENCED DETAILS MAY BE ANY MULLION APPROVED HEREIN.



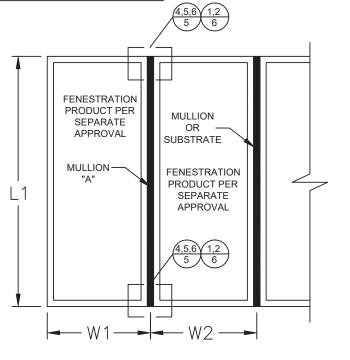
NOTES

- UNLIMITED NUMBER OF FENESTRATION PRODUCTS MAY BE MULLED TOGETHER AS SHOWN PROVIDED THAT MULLION LIMITATIONS NOTED HEREIN ARE NOT EXCEEDED.
- ANCHORAGE OF FENESTRATION PRODUCTS TO MULLIONS SHALL BE PER INSTALLATION NOTE 10 ON SHEET 1.
- ALLOWABLE DESIGN PRESSURES SHALL BE DETERMINED FROM DESIGN SCHEDULES.
- 4. MULLION SPANS AND TRIBUTARY WIDTHS SHALL BE DETERMINED AS FOLLOWS:
- 4.1. MULLION "A"
- 4.1.1. MULLION SPAN = L1
- 4.1.2. TRIBUTARY WIDTH = (W1 + W2)/2



FENESTRATION PRODUCTS MULLED HORIZONTALLY

EXTERIOR ELEVATION SHOWN



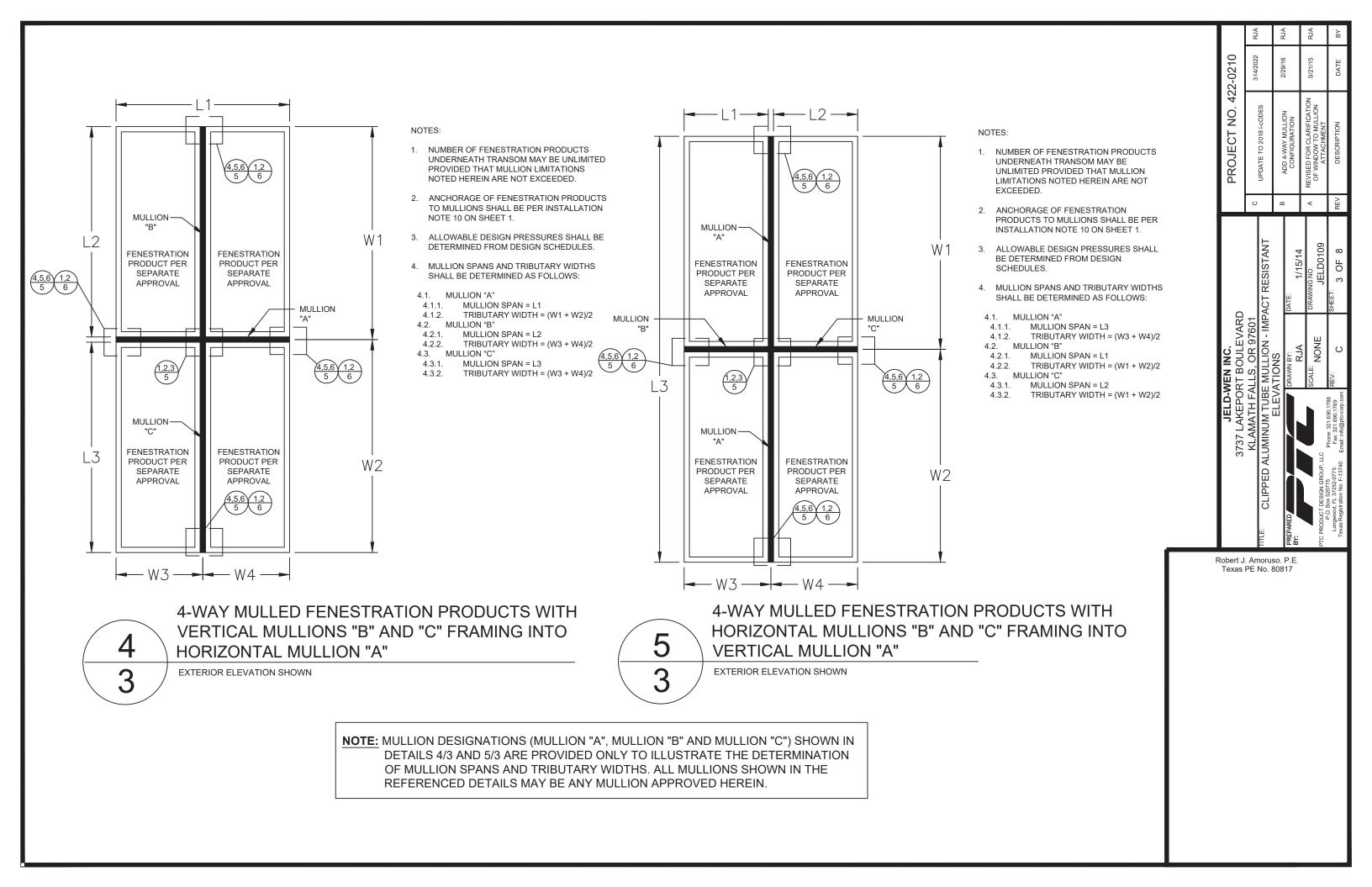
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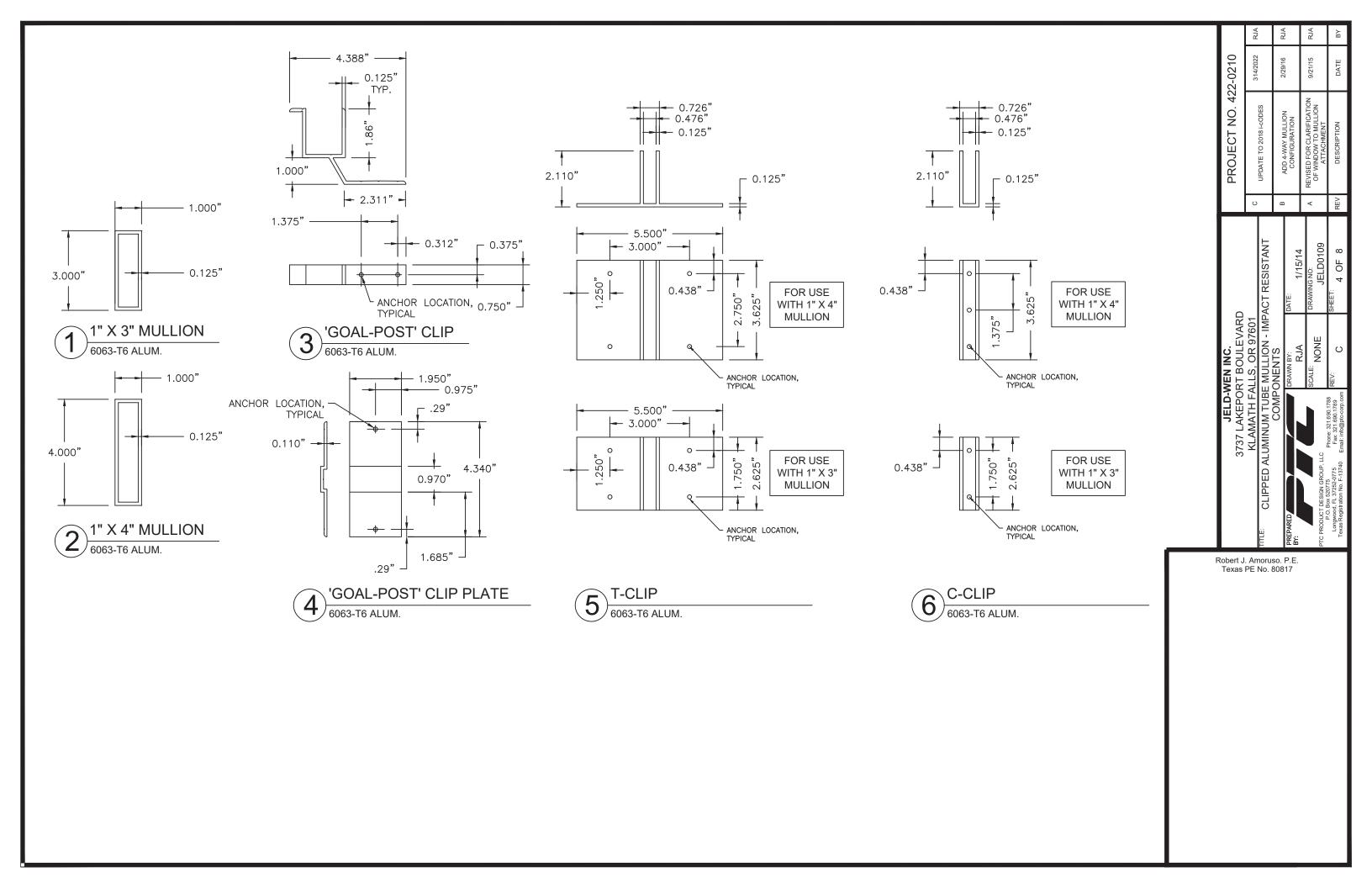
- UNLIMITED NUMBER OF FENESTRATION PRODUCTS MAY BE MULLED TOGETHER AS SHOWN PROVIDED THAT MULLION LIMITATIONS NOTED HEREIN ARE NOT EXCEEDED.
- 2. ANCHORAGE OF FENESTRATION PRODUCTS TO MULLIONS SHALL BE PER INSTALLATION NOTE 10 ON SHEET 1
- ALLOWABLE DESIGN PRESSURES SHALL BE DETERMINED FROM DESIGN SCHEDULES.
- 4. MULLION SPANS AND TRIBUTARY WIDTHS SHALL BE DETERMINED AS FOLLOWS:
- 4.1. MULLION "A"
- 4.1.1. MULLION SPAN = L1
- 4.1.2. TRIBUTARY WIDTH = (W1 + W2)/2

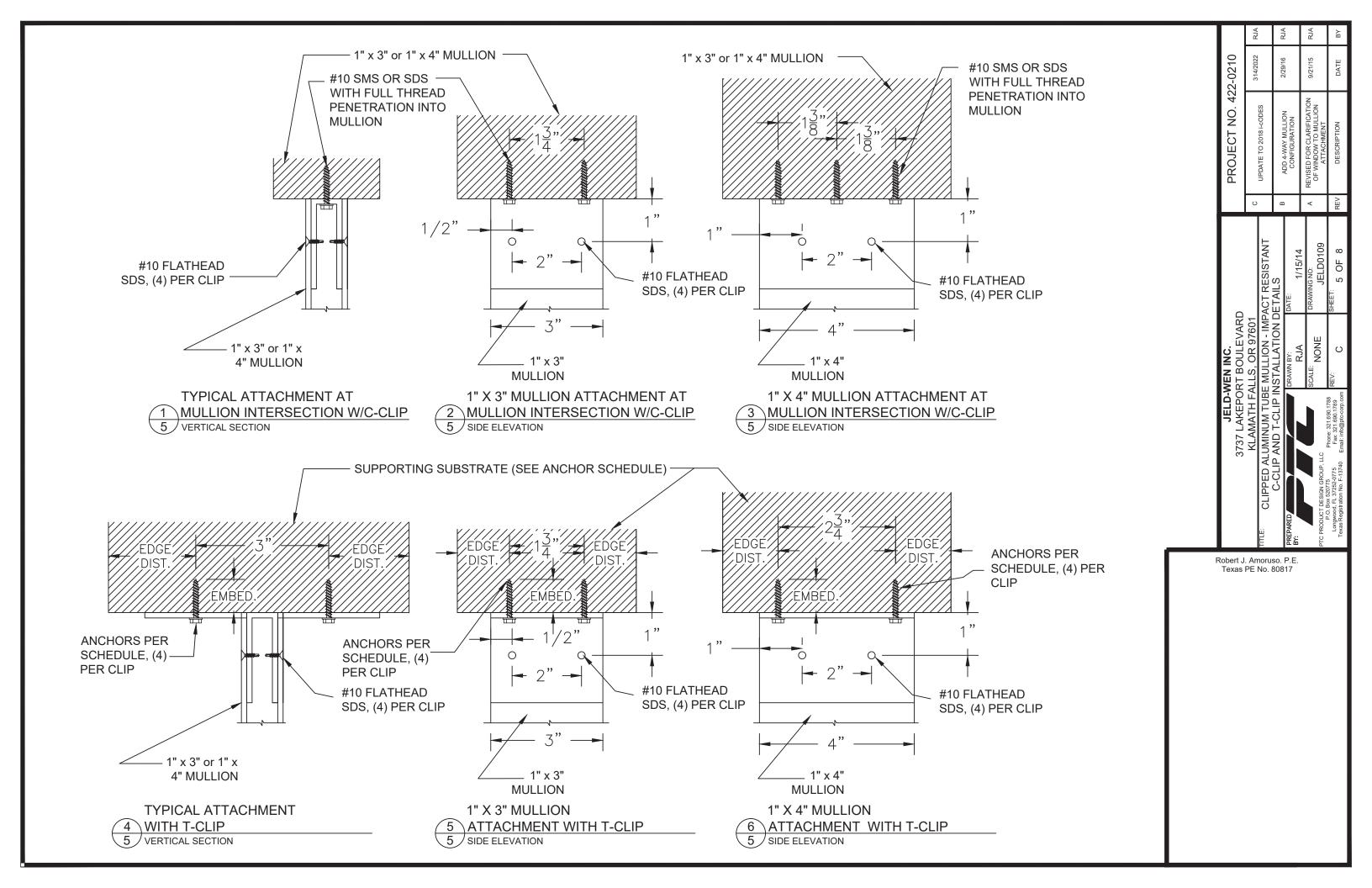
FENESTRATION PRODUCTS
MULLED VERTICALLY

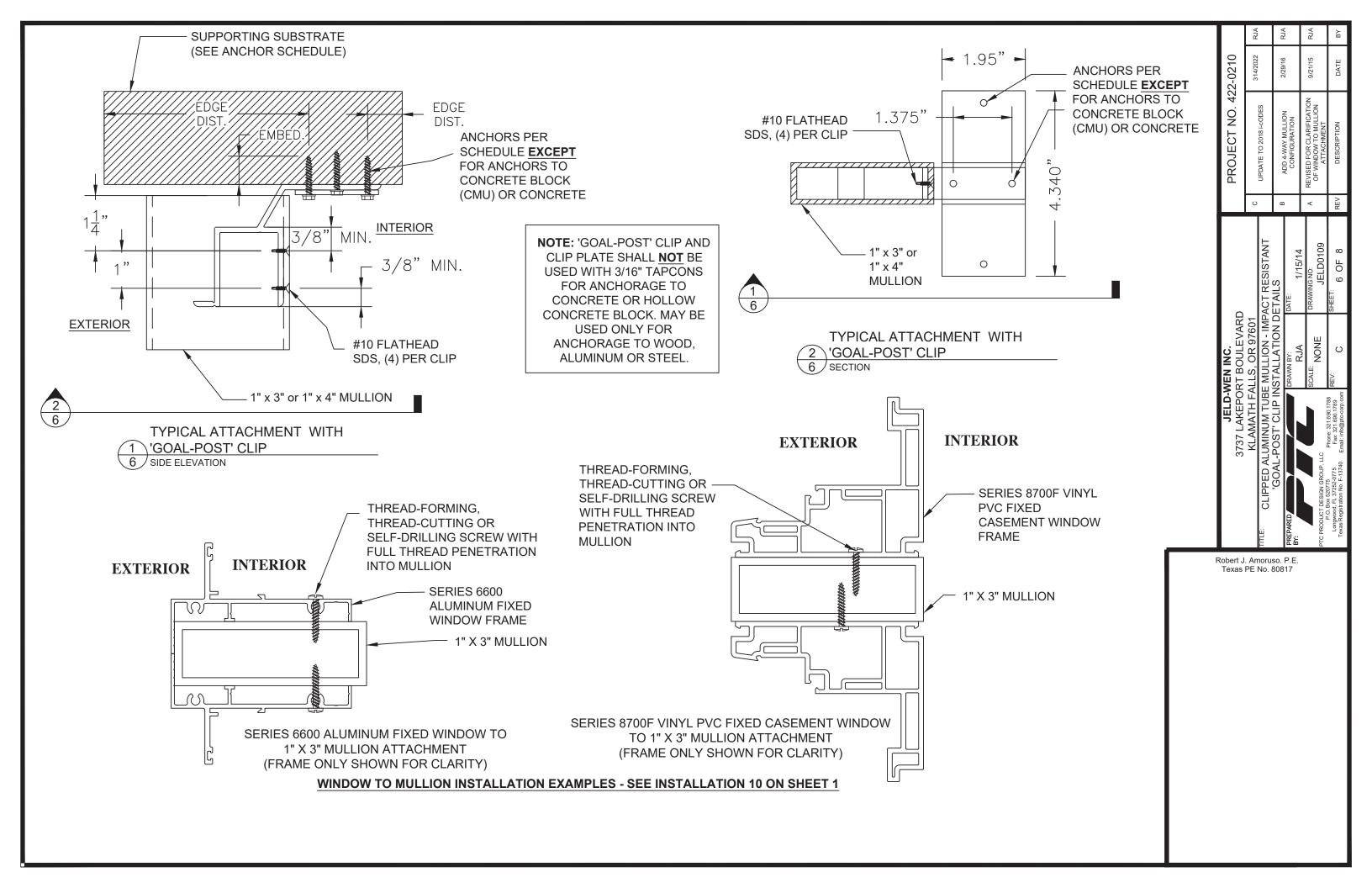
EXTERIOR ELEVATION SHOWN

Š. **PROJECT** Robert J. Amoruso. P.E. Texas PE No. 80817









DESIGN SCHEDULE - 1" X 3" MULLION SPAN/LOAD WIDTH TABLES

				1" x	3" MULLIC	N AND GC	AL-POST C	LIP W/O P	LATE				
	1347					Tr	ibutary Lo	ad Width (i	n)				
Span	vs. LW	18	21	24	27	30	33	36	39	42	45	48	53
	106	28.3	24.4	21.4	19.2	17.4	15.9	14.7	13.7	12.8	12.1	11.4	10.5
	100	33.8	29.1	25.6	22.9	20.8	19.0	17.6	16.4	15.4	14.5	13.7	12.7
	96	38.2	32.9	29.0	26.0	23.5	21.6	20.0	18.6	17.5	16.5	15.7	14.5
	90	46.5	40.1	35.3	31.6	28.7	26.4	24.4	22.8	21.4	20.3	19.3	17.9
	86	53.4	46.0	40.6	36.4	33.1	30.4	28.2	26.3	24.8	23.5	22.4	20.9
	84	57.3	49.5	43.6	39.1	35.6	32.7	30.3	28.4	26.7	25.3	24.2	22.5
	80	64.4	55.6	49.0	43.9	39.9	36.6	34.0	31.8	29.9	28.3	27.0	25.2
Ē	78	67.8	58.5	51.6	46.3	42.1	38.7	35.9	33.6	31.6	30.0	28.6	26.7
Mullion Span (in)	76	71.5	61.7	54.5	48.9	44.4	40.9	37.9	35.5	33.5	31.8	30.4	28.5
Spa	72	75.0	69.0	60.9	54.7	49.8	45.9	42.7	40.0	37.8	36.0	34.4	32.4
o	66	75.0	75.0	73.0	65.7	60.0	55.4	51.7	48.6	46.1	44.1	42.4	40.3
≣	60	75.0	75.0	75.0	75.0	73.7	68.3	64.0	60.5	57.7	55.4	53.7	51.7
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.6	72.4	70.8	69.6
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	24	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

					1" x	3" MULLIC	ON AND C-	CLIP					
Snan	vs. LW					Tr	ibutary Loa	ad Width (i	in)				
Span	VS. LVV	18	21	24	27	30	33	36	39	42	45	48	53
	106	28.3	24.4	21.4	19.2	17.4	15.9	14.7	13.7	12.8	12.1	11.4	10.5
	100	33.8	29.1	25.6	22.9	20.8	19.0	17.6	16.4	15.4	14.5	13.7	12.7
	96	38.2	32.9	29.0	26.0	23.5	21.6	20.0	18.6	17.5	16.5	15.7	14.5
	90	46.5	40.1	35.3	31.6	28.7	26.4	24.4	22.8	21.4	20.3	19.3	17.9
	86	53.4	46.0	40.6	36.4	33.1	30.4	28.2	26.3	24.8	23.5	22.4	20.9
	84	57.3	49.5	43.6	39.1	35.6	32.7	30.3	28.4	26.7	25.3	24.2	22.5
	80	64.4	55.6	49.0	43.9	39.9	36.6	34.0	31.8	29.9	28.3	27.0	25.2
Ē	78	67.8	58.5	51.6	46.3	42.1	38.7	35.9	33.6	31.6	30.0	28.6	26.7
Span (in)	76	71.5	61.7	54.5	48.9	44.4	40.9	37.9	35.5	33.5	31.8	30.4	28.5
Spa	72	75.0	69.0	60.9	54.7	49.8	45.9	42.7	40.0	37.8	36.0	34.4	32.4
on	66	75.0	75.0	73.0	65.7	60.0	55.4	51.7	48.6	46.1	44.1	42.4	40.3
Mullion	60	75.0	75.0	75.0	75.0	73.7	68.3	64.0	60.5	57.7	55.4	53.7	51.7
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.6	72.4	70.8	69.6
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	24	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

				1" X 3" N	/ULLION A	ND GOAL-	POST CLIP	W/PLATE C	OR T-CLIP				
							ibutary Loa	·					
Span	vs. LW	18	21	24	27	30	33	36	39	42	45	48	53
	106	28.3	24.4	21.4	19.2	17.4	15.9	16.4	13.7	12.8	12.1	11.4	10.5
	100	33.8	29.1	25.6	22.9	20.8	19.0	18.6	16.4	15.4	14.5	13.7	12.7
	96	38.2	32.9	29.0	26.0	23.5	21.6	22.8	18.6	17.5	16.5	15.7	14.5
	90	46.5	40.1	35.3	31.6	28.7	26.4	26.3	22.8	21.4	20.3	19.3	17.9
	86	53.4	46.0	40.6	36.4	33.1	30.4	28.4	26.3	24.8	23.5	22.4	20.9
	84	57.3	49.5	43.6	39.1	35.6	32.7	31.8	28.4	26.7	25.3	24.2	22.5
	80	64.4	55.6	49.0	43.9	39.9	36.6	33.6	31.8	29.9	28.3	27.0	25.2
(L	78	67.8	58.5	51.6	46.3	42.1	38.7	35.5	33.6	31.6	30.0	28.6	26.7
n (i)	76	71.5	61.7	54.5	48.9	44.4	40.9	40.0	35.5	33.5	31.8	30.4	28.5
Spa	72	75.0	69.0	60.9	54.7	49.8	45.9	48.6	40.0	37.8	36.0	34.4	32.4
Mullion Span (in)	66	75.0	75.0	73.0	65.7	60.0	55.4	60.5	48.6	46.1	44.1	42.4	40.3
藚	60	75.0	75.0	75.0	75.0	73.7	68.3	75.0	60.5	57.7	55.4	53.7	51.7
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.6	72.4	70.8	69.6
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	24	75.0	75.0	75.0	75.0	75.0	75.0	0.0	75.0	75.0	75.0	75.0	75.0

DESIGN SCHEDULE NOTES:

- DESIGN SCHEDULES PROVIDE MAXIMUM ALLOWABLE
 POSITIVE (+) AND NEGATIVE(-) DESIGN PRESSURES FOR USE
 WITH MULLION SYSTEM IN POUNDS PER SQUARE FOOT (PSF).
- 2. FOR DETERMINATION OF MULLION SPANS AND TRIBUTARY WIDTHS, SEE ELEVATIONS ON SHEETS 2 AND 3.
- 3. FOR INSTALLATIONS UTILIZING MORE THAN ONE TYPE OF CLIP PER MULLION, USE THE LESSER ALLOWABLE DESIGN PRESSURE.
- 4. 'GOAL-POST' CLIP MAY NOT BE USED FOR INSTALLATIONS TO CONCRETE OR CONCRETE BLOCK (CMU).

JELD-V	JELD-WEN INC. 3737 LAKEPORT BOULEVARD			PROJECT NO. 422-0210	2-0210	
KLAMATH FA	KLAMATH FALLS, OR 97601		O		314/2022	RJA
LIPPED ALUMINUM TUBE MULLION - IMPACT RESISTANT	E MULLION - IMP,	ACT RESISTANT		UPDATE TO 2018 i-cODES		
MULLION SPAN VS. LOAD WIDTH TABLES	LOAD WIDTH TA	ABLES	ď		2/20/16	2
	DRAWN BY:	DATE: 1/15/1/)	ADD 4-WAY MULLION CONFIGURATION	01/67/7	2
	701	1000				
OUP, LLC	SCALE: NONE	DRAWING NO: JELD0109	∢	REVISED FOR CLARIFICATION OF WINDOW TO MULLION ATTACHMENT	9/21/15	RJA
ox 320773 Pnone: 321,690,1788 FL 37252-0775 Fax: 321,690,1789 atton No. F-13740 Email: info@ptc-corp.com	REV: C	SHEET: 7 ОF 8	REV	DESCRIPTION	DATE	ВУ

Robert J. Amoruso. P.E. Texas PE No. 80817

DESIGN SCHEDULE - 1" X 4" MULLION SPAN/LOAD WIDTH TABLES

				1" x	4" MULLIO	N AND GO	AL-POST C	LIP W/O P	LATE				
Snan	vs. LW					Tr	ibutary Loa	ad Width (i	in)				
Span	VS. LVV	18	21	24	27	30	33	36	39	42	45	48	53
	106	58.6	50.4	44.3	39.5	35.8	32.7	30.2	28.0	26.2	24.7	23.4	21.5
	100	65.9	56.7	49.9	44.5	40.3	36.9	34.1	31.7	29.7	28.0	26.5	24.4
	96	71.6	61.6	54.2	48.4	43.9	40.2	37.1	34.6	32.4	30.5	28.9	26.7
	90	75.0	70.3	61.8	55.3	50.2	46.0	42.5	39.6	37.2	35.1	33.3	30.9
	86	75.0	75.0	67.9	60.8	55.1	50.6	46.8	43.7	41.0	38.8	36.9	34.3
	84	75.0	75.0	71.2	63.8	57.9	53.1	49.2	45.9	43.2	40.9	38.9	36.2
	80	75.0	75.0	75.0	70.6	64.1	58.9	54.6	51.1	48.1	45.6	43.4	40.5
Ē	78	75.0	75.0	75.0	74.4	67.6	62.2	57.7	54.0	50.8	48.2	46.0	43.0
Mullion Span (in)	76	75.0	75.0	75.0	75.0	71.4	65.7	61.0	57.1	53.9	51.1	48.8	45.8
Spa	72	75.0	75.0	75.0	75.0	75.0	73.8	68.6	64.3	60.8	57.8	55.4	52.1
on	66	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.2	70.8	68.1	64.7
≣	60	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	24	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

_						Tr	ibutary Loa	ad Width (i	n)				
Span	vs. LW	18	21	24	27	30	33	36	39	42	45	48	53
	106	58.6	50.4	44.3	39.5	35.8	32.7	31.7	28.0	26.2	24.7	23.4	21.5
	100	65.9	56.7	49.9	44.5	40.3	36.9	34.6	31.7	29.7	28.0	26.5	24.4
	96	71.6	61.6	54.2	48.4	43.9	40.2	39.6	34.6	32.4	30.5	28.9	26.
	90	75.0	70.3	61.8	55.3	50.2	46.0	43.7	39.6	37.2	35.1	33.3	30.9
	86	75.0	75.0	67.9	60.8	55.1	50.6	45.9	43.7	41.0	38.8	36.9	34.
	84	75.0	75.0	71.2	63.8	57.9	53.1	51.1	45.9	43.2	40.9	38.9	36.
	80	75.0	75.0	75.0	70.6	64.1	58.9	54.0	51.1	48.1	45.6	43.4	40.
<u>_</u>	78	75.0	75.0	75.0	74.4	67.6	62.2	57.1	54.0	50.8	48.2	46.0	43.
Mullion Span (in)	76	75.0	75.0	75.0	75.0	71.4	65.7	64.3	57.1	53.9	51.1	48.8	45.
Spa	72	75.0	75.0	75.0	75.0	75.0	73.8	75.0	64.3	60.8	57.8	55.4	52.
o	66	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.2	70.8	68.1	64.
≒	60	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.
	24	75.0	75.0	75.0	75.0	75.0	75.0	0.0	75.0	75.0	75.0	75.0	75.0

					1" x	4" MULLIC	ON AND C-	CLIP					
C	114/					Tr	ibutary Lo	ad Width (i	n)				
Span	vs. LW	18	21	24	27	30	33	36	39	42	45	48	53
	106	58.6	50.4	44.3	39.5	35.8	32.7	30.2	28.0	26.2	24.7	23.4	21.5
	100	65.9	56.7	49.9	44.5	40.3	36.9	34.1	31.7	29.7	28.0	26.5	24.4
	96	71.2	61.6	54.2	48.4	43.9	40.2	37.1	34.6	32.4	30.5	28.9	26.7
	90	75.0	66.8	59.5	54.0	49.5	46.0	42.5	39.6	37.2	35.1	33.3	30.9
	86	75.0	70.3	62.8	56.9	52.3	48.6	45.5	43.0	40.8	38.8	36.9	34.3
	84	75.0	72.2	64.5	58.6	53.8	50.0	46.9	44.3	42.1	40.3	38.7	36.2
	80	75.0	75.0	68.3	62.1	57.2	53.2	49.9	47.2	45.0	43.1	41.5	39.3
Ē	78	75.0	75.0	70.4	64.0	59.0	54.9	51.6	48.9	46.6	44.6	43.0	40.8
Mullion Span (in)	76	75.0	75.0	72.6	66.0	60.9	56.8	53.4	50.6	48.2	46.3	44.7	42.5
Spa	72	75.0	75.0	75.0	70.6	65.2	60.9	57.3	54.4	52.0	50.0	48.4	46.2
o	66	75.0	75.0	75.0	75.0	72.8	68.2	64.5	61.5	59.0	56.9	55.3	53.2
≣	60	75.0	75.0	75.0	75.0	75.0	75.0	73.7	70.6	68.0	66.0	64.5	62.8
Σ	54	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	50.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	48	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	42	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	38.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	36	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	30	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	24	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

DESIGN SCHEDULE NOTES:

- DESIGN SCHEDULES PROVIDE MAXIMUM ALLOWABLE
 POSITIVE (+) AND NEGATIVE(-) DESIGN PRESSURES FOR
 USE WITH MULLION SYSTEM IN POUNDS PER SQUARE
 FOOT (PSF).
- 2. FOR DETERMINATION OF MULLION SPANS AND TRIBUTARY WIDTHS, SEE ELEVATIONS ON SHEETS 2 AND 3.
- 3. FOR INSTALLATIONS UTILIZING MORE THAN ONE TYPE OF CLIP PER MULLION, USE THE LESSER ALLOWABLE DESIGN PRESSURE.
- 4. 'GOAL-POST' CLIP MAY NOT BE USED FOR INSTALLATIONS TO CONCRETE OR CONCRETE BLOCK (CMU).

JELD-V	JELD-WEN INC.			PRO IECT NO 422-0210	02.0210	
3737 LAKEPOF	3737 LAKEPORT BOULEVARD	0		1100001140. 42	01.20-2.	
KLAMATH FA	KLAMATH FALLS, OR 97601		O		314/2022	RJA
CLIPPED ALUMINUM TUBE MULLION - IMPACT RESISTANT	MULLION - IMP.	ACT RESISTANT		UPDATE TO 2018 i-cODES		
MULLION SPAN VS. LOAD WIDTH TABLES	LOAD WIDTH TA	ABLES	-	7 C C C C C C C C C C C C C C C C C C C	2/29/16	4
ARED	DRAWN BY:	DATE: 1/15/1/	1	CONFIGURATION	2	<u> </u>
	אטרו	+1/01/1				L
OUP, LLC	SCALE: NONE	DRAWING NO: JELD0109	∢	REVISED FOR CLARIFICATION OF WINDOW TO MULLION ATTACHMENT	9/21/15	RJA
P.O. Box 520.75 Longwood, FL 37252-0775 Fax: 321.690.1789 xas Registration No. F-13740 Email: info@ptc-corp.com	REV: C	SHEET: 8 OF 8	REV	DESCRIPTION	DATE	ВУ

Robert J. Amoruso. P.E. Texas PE No. 80817