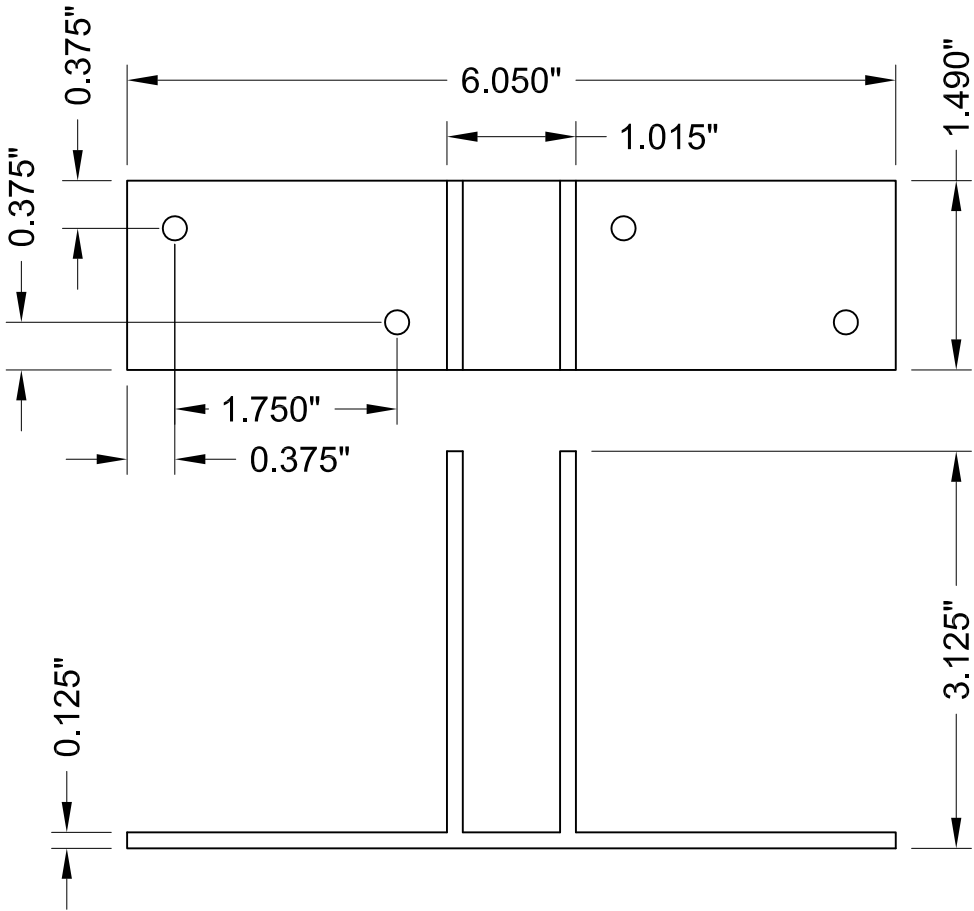


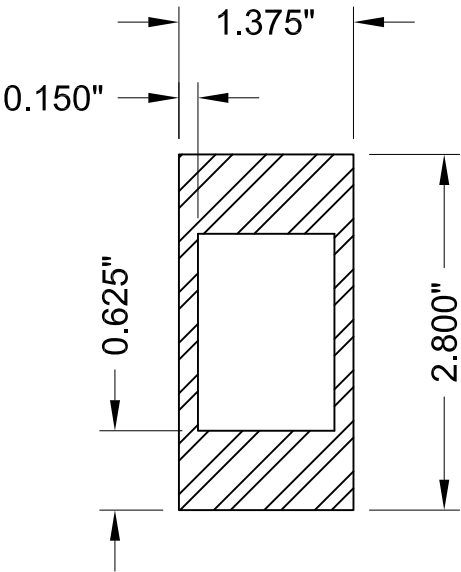
GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION (2020) FLORIDA BUILDING CODE FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE
2. THIS PRODUCT WAS TESTED AS INDICATED IN FTL TEST REPORT 4839
3. THIS PRODUCT AS SHOWN IN THIS DRAWING IS WIND ZONE 3 LARGE MISSILE LEVEL D IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WIND ZONE 3 OR BELOW WINDBORNE DEBRIS REGIONS.
4. THIS PRODUCT IS INTENDED TO MULL TOGETHER VI WIN TECH PVC FIXED OR OPERABLE WINDOW PRODUCTS PER SEPARATE APPROVALS. THE OVERALL DESIGN PRESSURE AND IMPACT RESISTANCE OF THE MULLED ASSEMBLY ARE THE LEAST OF THIS MULLION AND THE WINDOW PRODUCTS. DIMENSIONS INDICATED AS WIDTH/HEIGHT MAY BE SWAPPED (ROTATED 90 DEG.) PROVIDED THAT MULL LENGTHS AND WINDOW SIZES INDICATED ARE NOT EXCEEDED.
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.
7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.
8. ANCHORAGE NOTES: ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.
9. FOR WOOD BUCKS LESS THAN 1-1/2" THICK USED WITH CONCRETE/CMU, ANCHOR EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. FOR WOOD BUCKS 1-1/2" THICK OR GREATER, ANCHOR EMBEDMENT SHALL BE INTO THE WOOD BUCK.
10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
11. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

SHORELINE 3" IMPACT MULLION, WIND ZONE 3



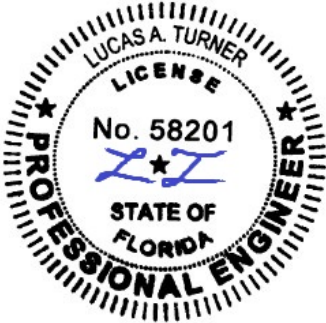
05-053 MULL CLIP
6063-T6 ALUMINUM



3" IMPACT MULLION
6063-T6 ALUMINUM

Lucas Turner
2021.10.19
17:34:19 -05'00'

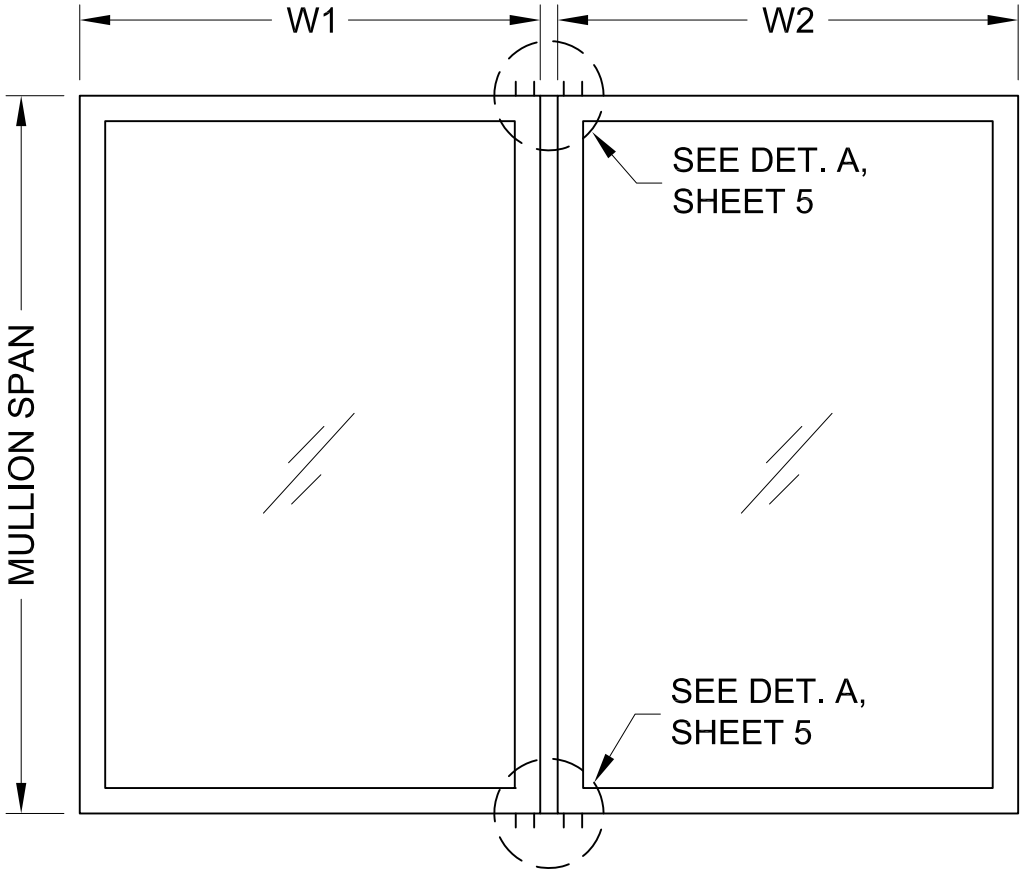
VIWINTECH® WINDOWS & DOORS 2400 IRVIN COBB DR. PADUCAH, KY 42003 PH. (800) 788-1050	
SHEET DESCRIPTION: NOTES, PART DWGS	DATE DRAWN: 8/26/2021
SCALE: NTS	REV: 0
DRAWING: MULL-WZ3	SHEET: 1 OF 5



8/26/2021
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FL PE #58201
2428 Old Natchez Trc Trl
Camden, TN 38320
Ph. 941-380-1574

SHORELINE 3" IMPACT MULLION, WIND ZONE 3

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



3" IMPACT VERTICAL MULLION

Chart 1. Allowable Design Pressures (psf, ASD, Positive and Negative)									
Mullion Span (in.)	Tributary Width (in.)								
	36	38	40	42	44	46	48	50	52
52	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
54	80.0	80.0	80.0	80.0	79.6	78.2	77.1	76.3	75.9
56	80.0	78.8	76.4	74.3	72.5	71.1	69.9	69.0	68.4
58	73.3	70.8	68.6	66.8	65.2	63.9	62.9	62.0	61.4
60	65.5	63.2	61.1	59.4	57.9	56.7	55.6	54.8	54.1
62	58.8	56.6	54.7	53.1	51.7	50.5	49.5	48.6	47.9
64	53.0	51.0	49.2	47.7	46.4	45.2	44.2	43.4	42.7
66	47.9	46.0	44.4	43.0	41.8	40.7	39.7	38.9	38.2
68	43.5	41.8	40.2	38.9	37.8	36.7	35.8	35.1	34.4
70	39.6	38.0	36.6	35.3	34.3	33.3	32.5	31.7	31.1
72	36.2	34.7	33.4	32.2	31.2	30.3	29.5	28.8	28.2
74	33.1	31.7	30.5	29.4	28.5	27.6	26.9	26.2	25.6
76	30.4	29.1	28.0	27.0	26.1	25.3	24.6	23.9	23.4
78	28.0	26.8	25.7	24.8	24.0	23.2	22.5	21.9	21.4
80	25.8	24.7	23.7	22.8	22.1	21.3	20.7	20.2	19.7

NOTE:
FOR WINDOW ATTACHMENT TO MULLION, FOLLOW WINDOW PRODUCT APPROVAL
INSTALLATION ANCHORAGE REQUIREMENTS FOR ATTACHMENT TO METAL SUBSTRATES



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SHEET DESCRIPTION:
VERTICAL MULLION

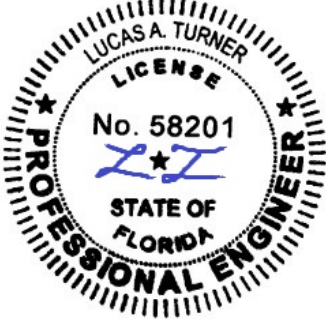
SCALE: NTS

DRAWING: MULL-WZ3

DATE DRAWN:
8/26/2021

REV: 0

SHEET: 2 OF 5



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SHORELINE 3" IMPACT MULLION, WIND ZONE 3

TRIBUTARY HEIGHT = $\frac{H1 + H2}{2}$

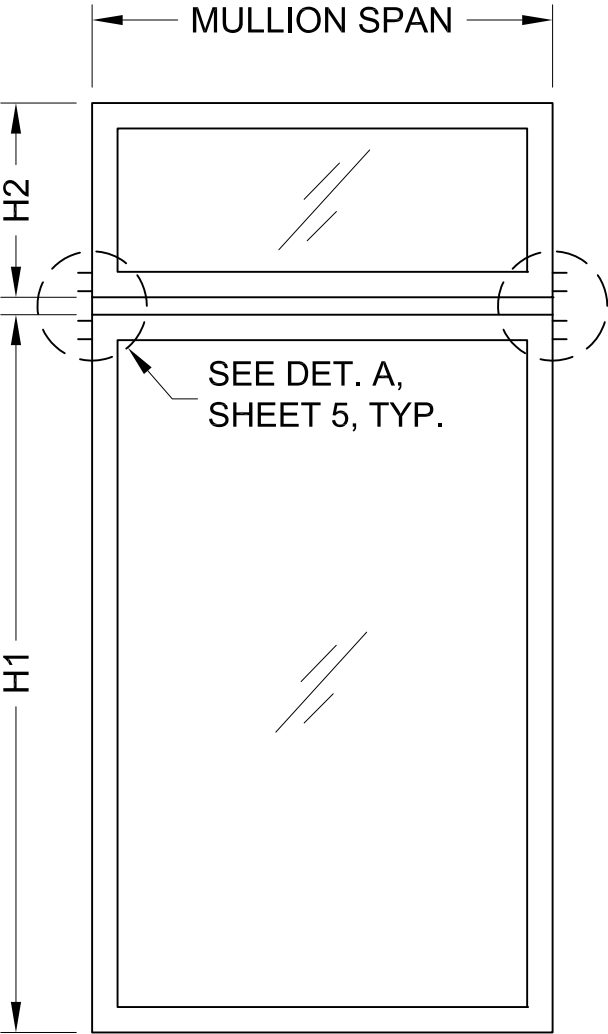


Chart 2. Allowable Design Pressures (psf, ASD, Positive and Negative)									
Tributary Height (in.)	Mullion Span (in.)								
	34	36	38	40	42	44	46	48	50
30	96.6	82.6	68.0	56.7	47.9	40.8	35.1	30.4	26.6
32	95.1	81.0	66.3	55.1	46.3	39.3	33.8	29.2	25.4
34.25	94.6	80.0	65.1	53.7	45.0	38.1	32.5	28.1	24.4
36	94.6	79.7	64.5	53.0	44.2	37.3	31.8	27.3	23.7
38	94.6	79.7	64.3	52.5	43.6	36.6	31.1	26.7	23.1
40	94.6	79.7	64.3	52.3	43.2	36.1	30.6	26.1	22.6
42	94.6	79.7	64.3	52.3	43.1	35.8	30.2	25.7	22.1
44	94.6	79.7	64.3	52.3	43.1	35.8	30.0	25.5	21.8
46	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.3	21.6
48	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.5
50	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
52	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
54	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
56	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
58	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
60	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4
62	94.6	79.7	64.3	52.3	43.1	35.8	29.9	25.2	21.4

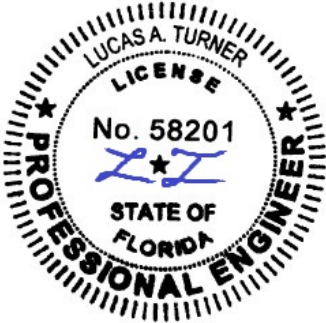
3" IMPACT HORIZONTAL MULLION

NOTE:
FOR WINDOW ATTACHMENT TO MULLION, FOLLOW WINDOW PRODUCT APPROVAL
INSTALLATION ANCHORAGE REQUIREMENTS FOR ATTACHMENT TO METAL SUBSTRATES

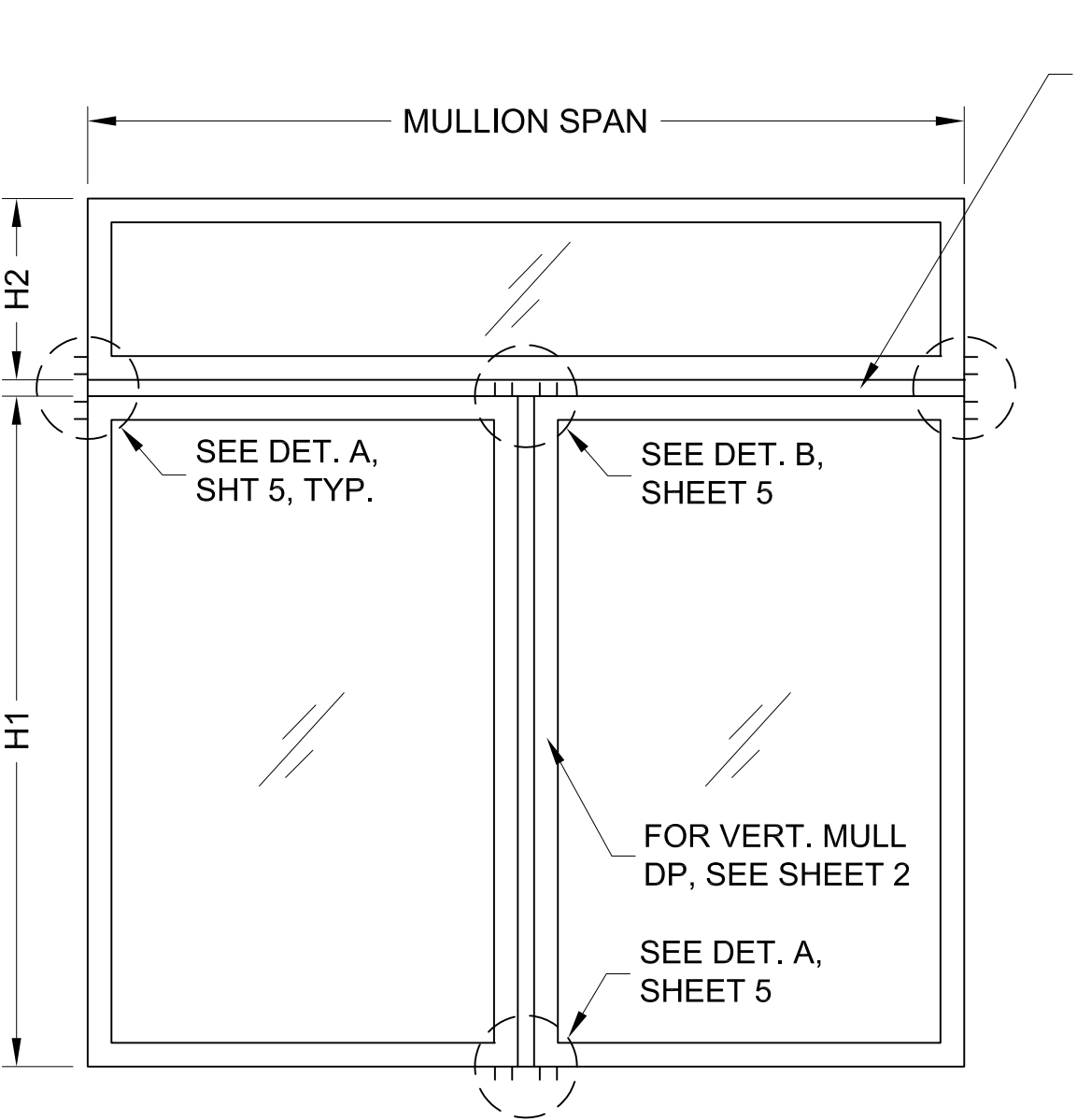


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SHEET DESCRIPTION: HORIZONTAL MULLION	DATE DRAWN: 8/26/2021
SCALE: NTS	REV: 0
DRAWING: MULL-WZ3	SHEET: 3 OF 5



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2428 Old Natchez Trc Trl
Camden, TN 38320
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3" IMPACT HORIZONTAL "T" MULLION

TRIBUTARY HEIGHT = $\frac{H1 + H2}{2}$

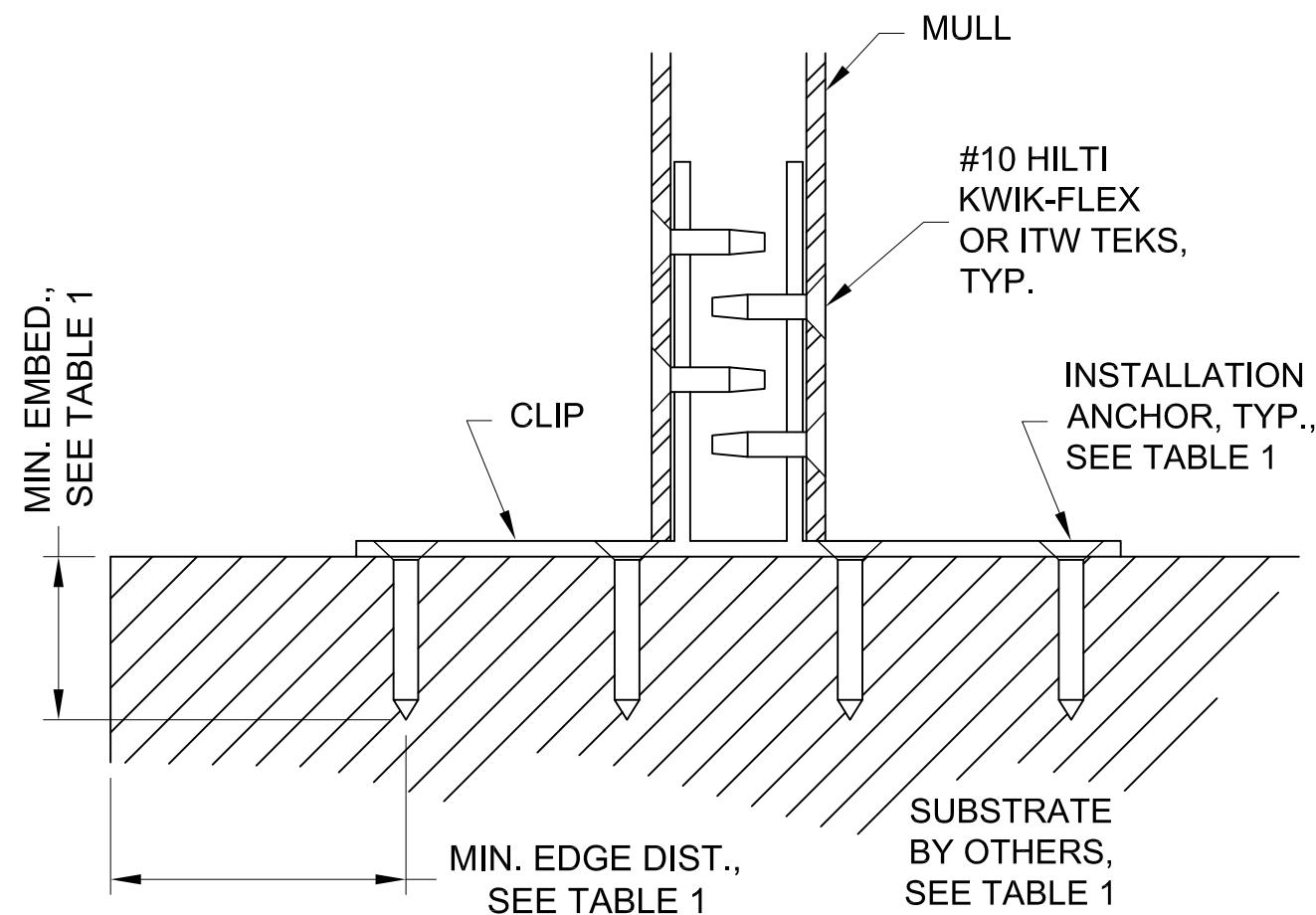
Chart 3. Allowable Design Pressures (psf, ASD, Positive and Negative)									
Tributary Height (in.)	Mullion Span (in.)								
	70	73.875	78	82	86	90	94	98	102
30	92.7	82.6	68.0	56.7	47.9	40.8	35.1	30.4	26.6
32	88.7	81.0	66.3	55.1	46.3	39.3	33.8	29.2	25.4
34.25	84.7	80.0	65.1	53.7	45.0	38.1	32.5	28.1	24.4
36	82.1	76.3	64.5	53.0	44.2	37.3	31.8	27.3	23.7
38	79.4	73.7	64.3	52.5	43.6	36.6	31.1	26.7	23.1
40	77.0	71.4	64.3	52.3	43.2	36.1	30.6	26.1	22.6
42	74.9	69.4	64.3	52.3	43.1	35.8	30.2	25.7	22.1
44	73.0	67.5	62.5	52.3	43.1	35.8	30.0	25.5	21.8
46	71.4	65.9	60.9	52.3	43.1	35.8	29.9	25.3	21.6
48	70.0	64.5	59.5	52.3	43.1	35.8	29.9	25.2	21.5
50	68.7	63.2	58.3	52.3	43.1	35.8	29.9	25.2	21.4
52	67.6	62.1	57.1	52.3	43.1	35.8	29.9	25.2	21.4
54	66.7	61.1	56.1	52.0	43.1	35.8	29.9	25.2	21.4
56	65.9	60.3	55.2	51.1	43.1	35.8	29.9	25.2	21.4
58	65.2	59.5	54.5	50.3	43.1	35.8	29.9	25.2	21.4
60	64.6	58.9	53.8	49.6	43.1	35.8	29.9	25.2	21.4
62	64.2	58.3	53.2	49.0	43.1	35.8	29.9	25.2	21.4

NOTE:
FOR WINDOW ATTACHMENT TO MULLIONS, FOLLOW WINDOW PRODUCT APPROVAL
INSTALLATION ANCHORAGE REQUIREMENTS FOR ATTACHMENT TO METAL SUBSTRATES

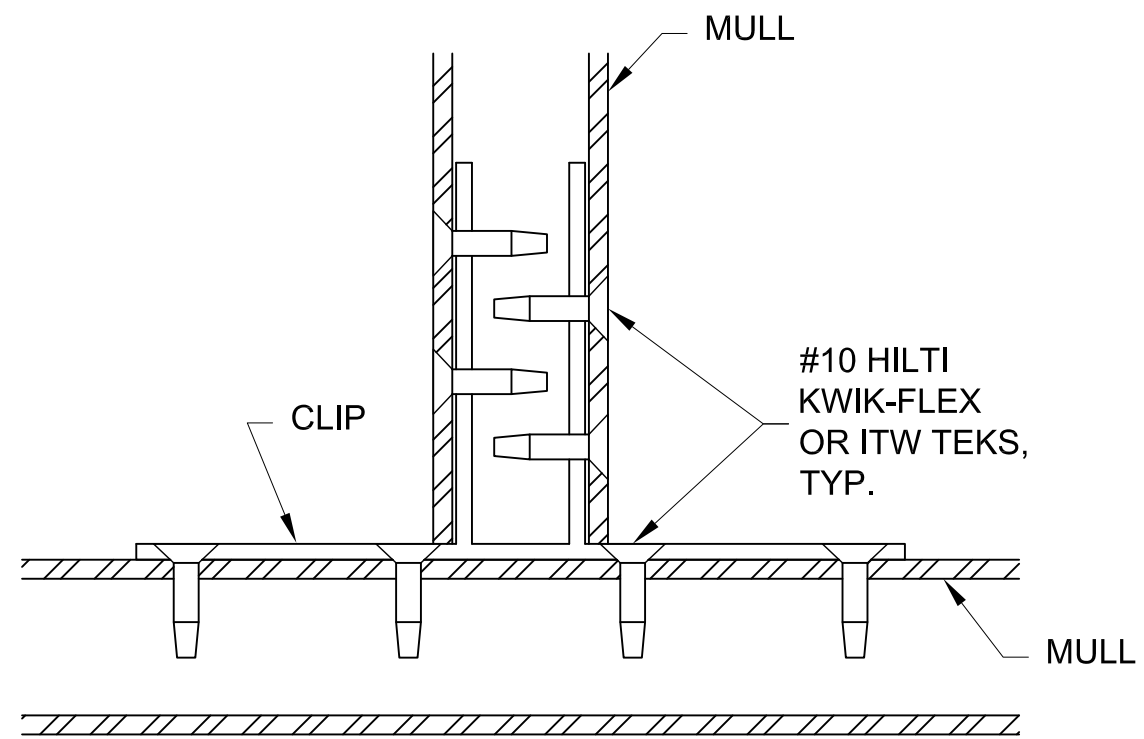
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SHEET DESCRIPTION: HORIZONTAL "T" MULLION	DATE DRAWN: 8/26/2021
SCALE: NTS	REV: 0
DRAWING: MULL-WZ3	SHEET: 4 OF 5

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FL PE #58201
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Camden, TN 38320
Ph. 941-380-1574



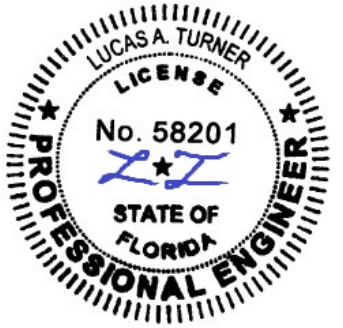
DETAIL A. TYPICAL VERTICAL OR HORIZONTAL CLIP ATTACHMENT TO SUBSTRATE



DETAIL B. TYPICAL VERTICAL OR HORIZONTAL CLIP "T" ATTACHMENT TO MULLION

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2 KSI MIN)	3/16" ITW TAPCON WITH ADVANCED THREADFORM TECHNOLOGY	1"	3"
CONCRETE (3.05 KSI MIN)	3/16" DEWALT ULTRACON+	1-3/4"	2-1/2"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL, PLUS 3 THREADS BEYOND	1/2"

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SHEET DESCRIPTION: INSTALLATION TABLE, DETAILS		DATE DRAWN: 8/26/2021	
SCALE: NTS		REV: 0	
DRAWING: MULL-WZ3		SHEET: 5 OF 5	



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FL PE #58201
2428 Old Natchez Trc Trl
Camden, TN 38320
Ph. 941-380-1574