

ANDERSEN CORPORATION

E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (WZ3) (IMPACT)

INSTALLATION NOTES:

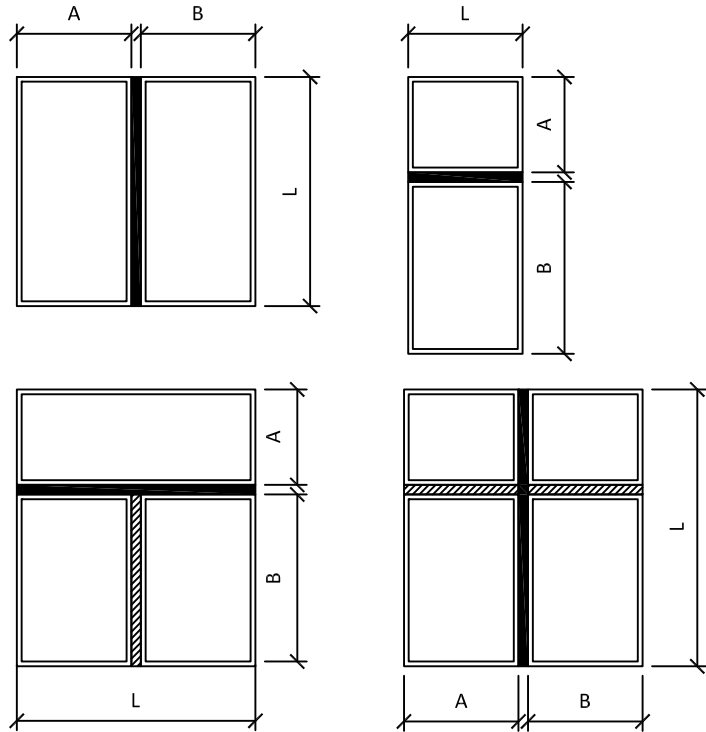
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM WALL THICKNESS OF 54 MILS (16 GA.) WHEN THROUGH GUSSET INSTALLATION.
 - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5)

MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY FRAME TYPES AND MULL CONFIGURATION.
- STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEETS 2-3.
- STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE, REFER TO SHEETS 5-12.
- STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS SHOWN ON SHEET 4.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) EXCLUDING HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - SECTION 1709.8 OF THE CURRENT EDITION OF FBC
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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.
- SEE SHEET 4 FOR ANCHOR INFORMATION ON EDGE DISTANCE AND EMBEDMENT & OTHER INSTALLATION REQUIREMENTS.
- 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 OR AHJ.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WZ3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WZ4.
- MULLION MATERIAL: *PACIFIC WOOD LAMINATES*
- IN ACCORDANCE WITH CURRENT FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES PER CH24.
- IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED PER CH20.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATIONS:
 - "ONE WAY" - RIBBON OR STACKED MULLIONS
 - "TWO WAY" - 'X' OR 'T' MULLIONS



TYPICAL ELEVATIONS

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SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
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4	VERTICAL SECTIONS AND INSTALLATION DETAILS
5	1" x 3-1/2" LVL MULLION ONE WAY LOAD TABLE
6	1" x 3-1/2" LVL MULLION TWO WAY LOAD TABLE
7	2" x 3-1/2" LVL MULLION ONE WAY LOAD TABLE
8	2" x 3-1/2" LVL MULLION TWO WAY LOAD TABLE
9	1" X 5-3/16" LVL MULLION ONE WAY LOAD TABLE
10	1" X 5-3/16" LVL MULLION TWO WAY LOAD TABLE
11	2" X 5-3/16" LVL MULLION ONE WAY LOAD TABLE
12	2" X 5-3/16" LVL MULLION TWO WAY LOAD TABLE

MISSILE IMPACT RATING
WZ3 LARGE MISSILE IMPACT RATED



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TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

GENERAL AND INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

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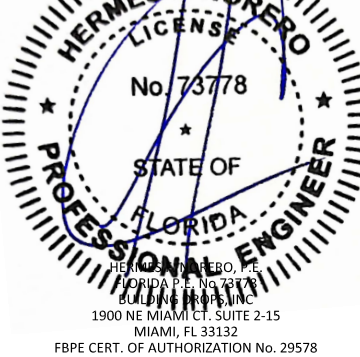
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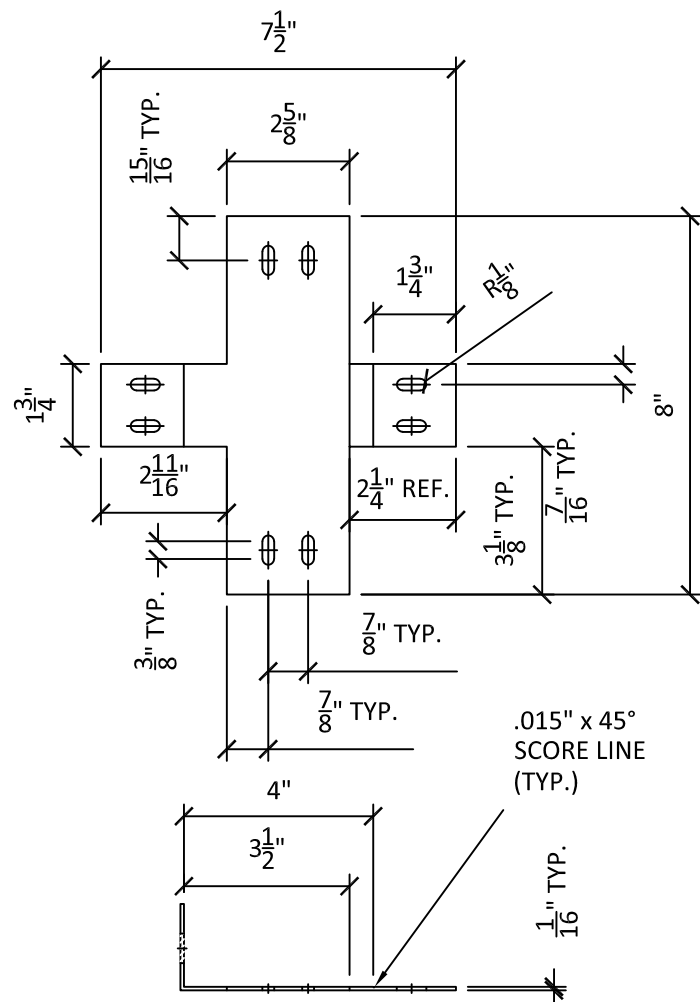
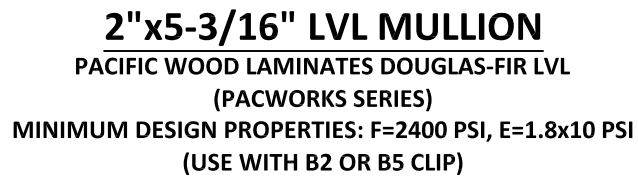
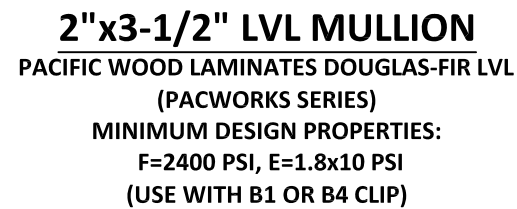
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7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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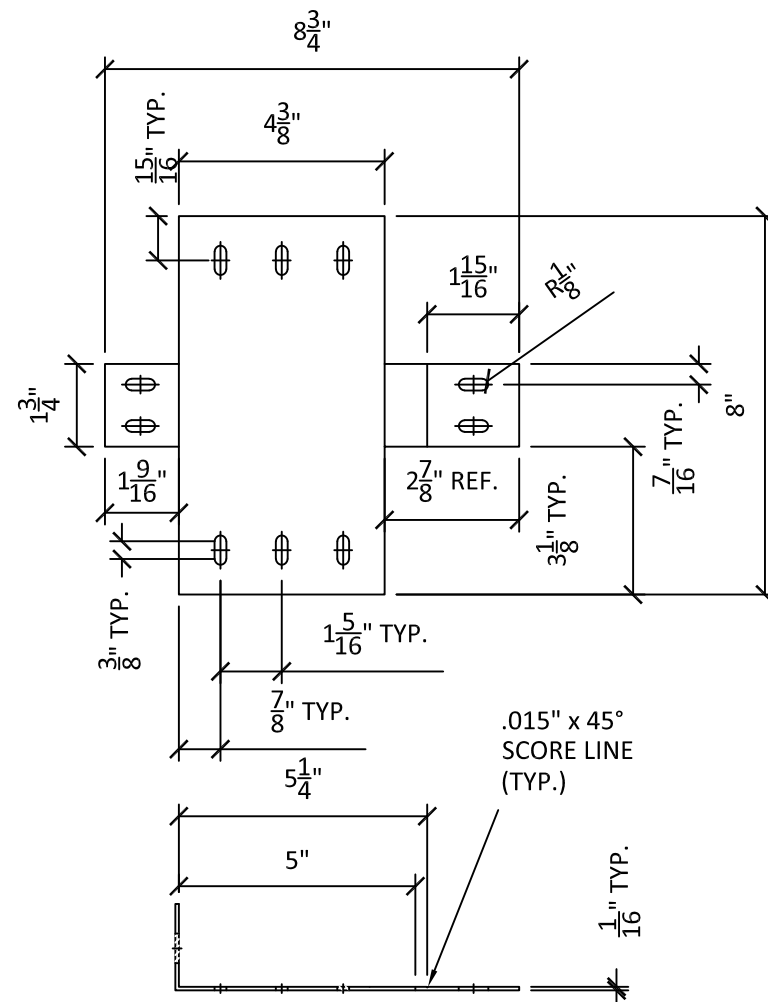
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Reason: I am approving this document
Date: 2023.10.20 08:49:15 -0400



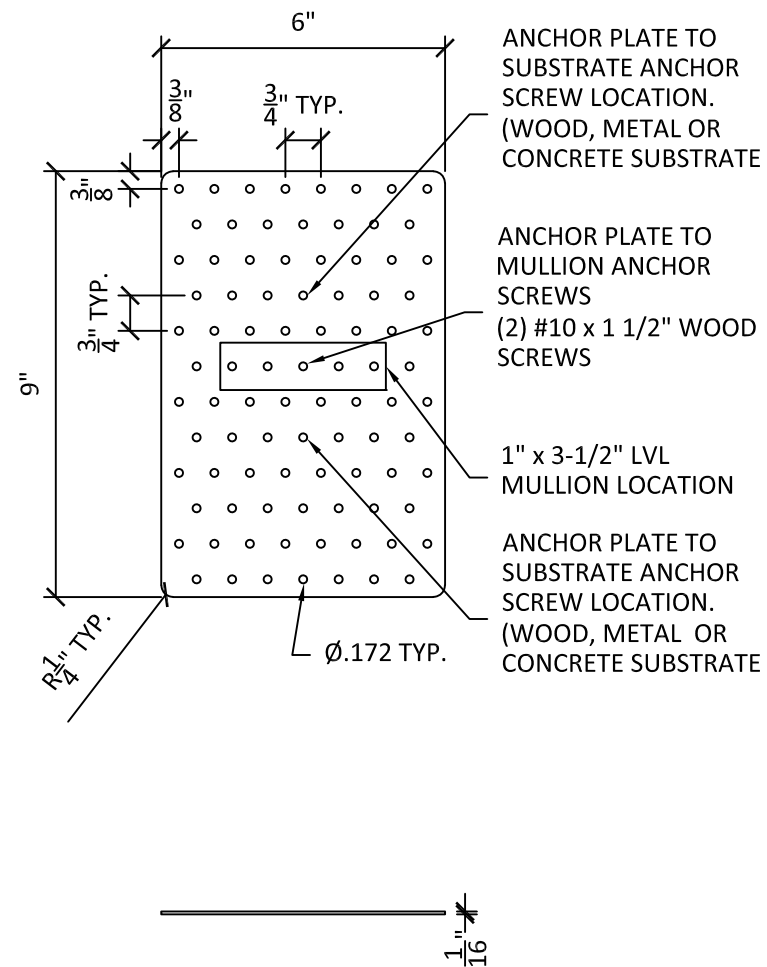
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DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	1
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MULLION CLIP - B1
STEEL (STAINLESS OR ZINC PLATED)
FOR 2" MULLION



MULLION CLIP - B2
STEEL (STAINLESS OR ZINC PLATED)
FOR 2" MULLION



MULLION CLIP PLATE

STAINLESS STEEL
FOR 1" & 2" MULLIONS



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(NON-HVHZ)(IMPACT)**

MULLIONS AND COMPONENTS

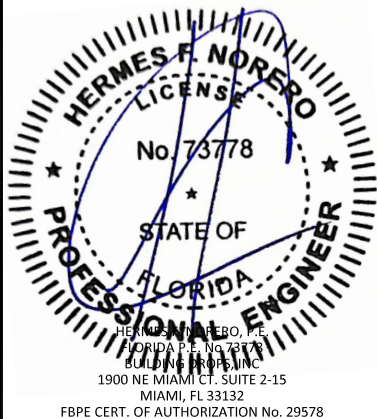
/: BUILDING DROPS, INC.

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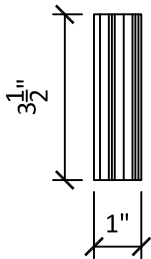
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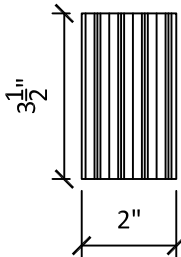
1"x3-1/2" LVL MULLION

PACIFIC WOOD LAMINATES DOUGLAS-FIR LVL

(PACWORKS SERIES)

MINIMUM DESIGN PROPERTIES: F=2400 PSI, E=1.8x10 PSI

(USE WITH B4 CLIP)



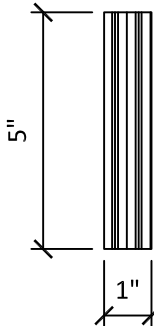
2"x3-1/2" LVL MULLION

PACIFIC WOOD LAMINATES DOUGLAS-FIR LVL

(PACWORKS SERIES)

MINIMUM DESIGN PROPERTIES: F=2400 PSI, E=1.8x10 PSI

(USE WITH B1 OR B4 CLIP)



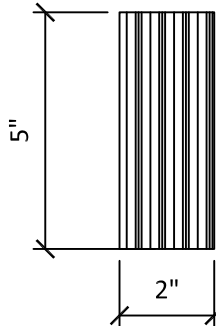
1"x5-3/16" LVL MULLION

PACIFIC WOOD LAMINATES DOUGLAS-FIR LVL

(PACWORKS SERIES)

MINIMUM DESIGN PROPERTIES: F=2400 PSI, E=1.8x10 PSI

(USE WITH B5 CLIP)



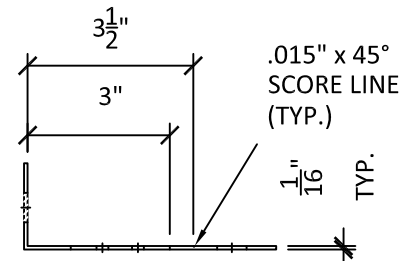
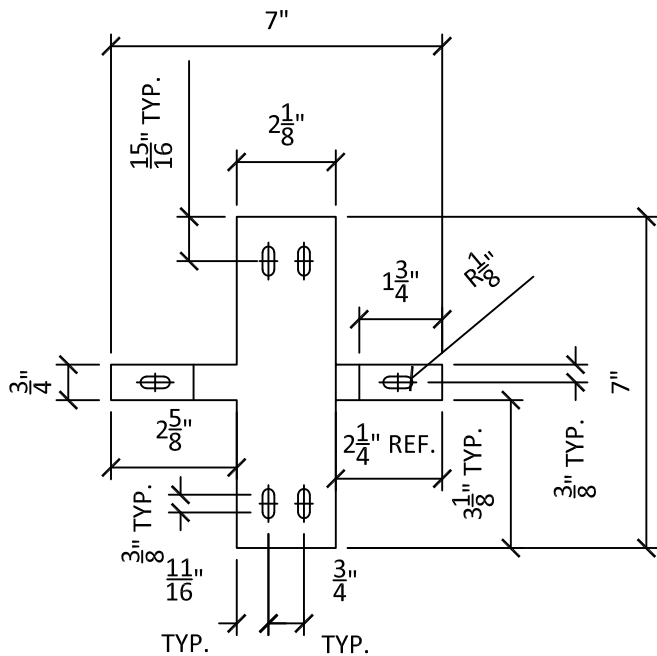
2"x5-3/16" LVL MULLION

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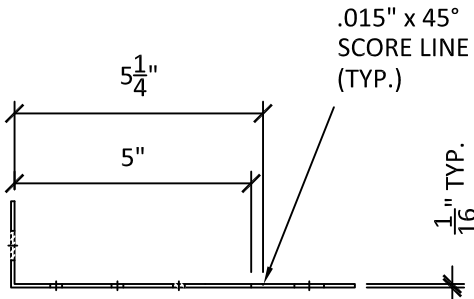
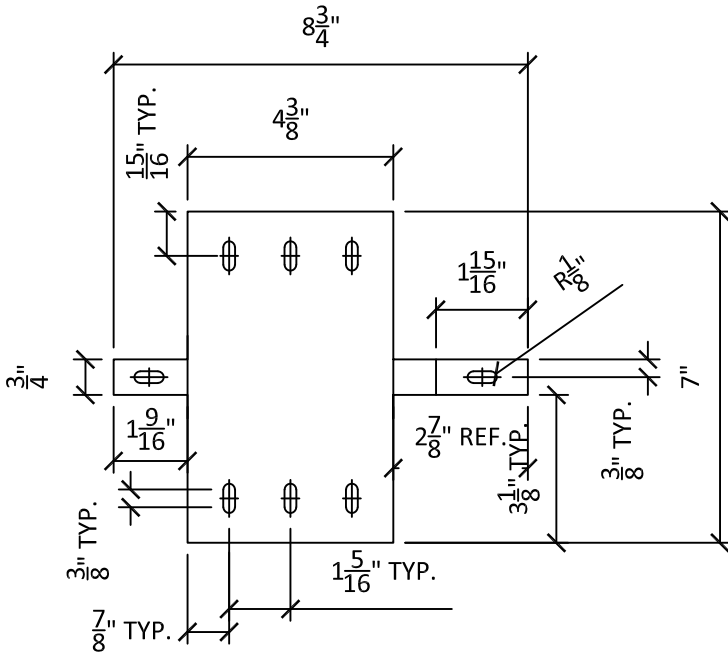
(USE WITH B2 OR B5 CLIP)



MULLION CLIP - B4

STEEL (STAINLESS OR ZINC PLATED)

FOR 1" & 2" MULLIONS



MULLION CLIP - B5

STEEL (STAINLESS OR ZINC PLATED)

FOR 1" & 2" MULLIONS



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MULLIONS AND COMPONENTS

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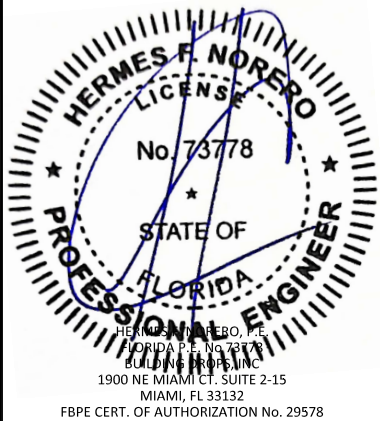
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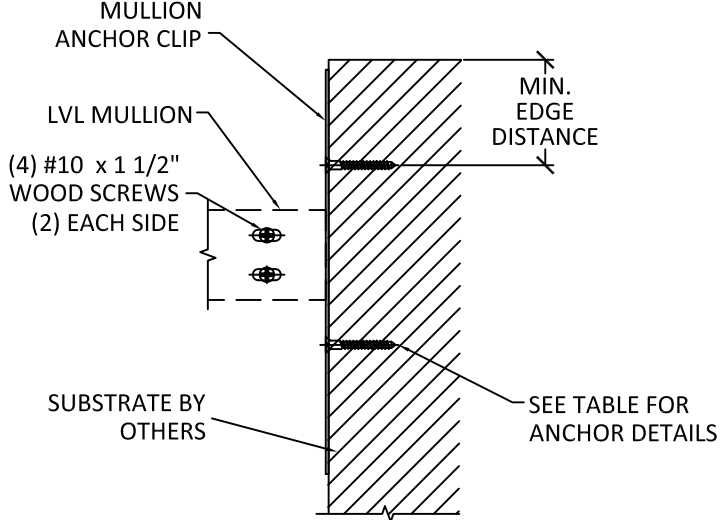
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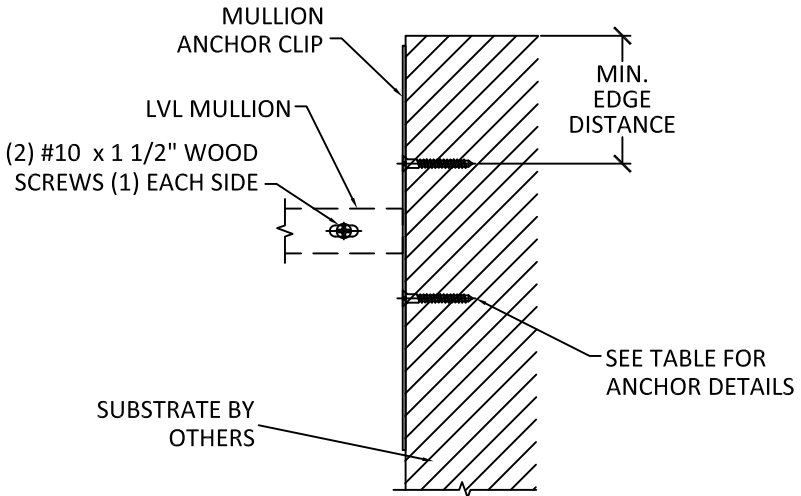
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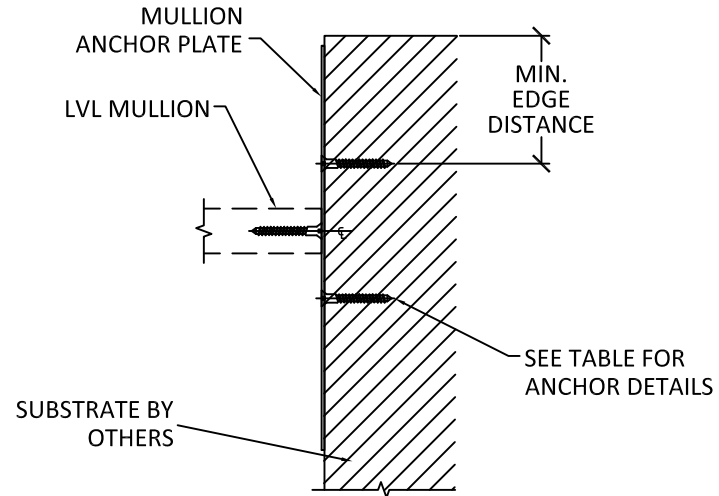
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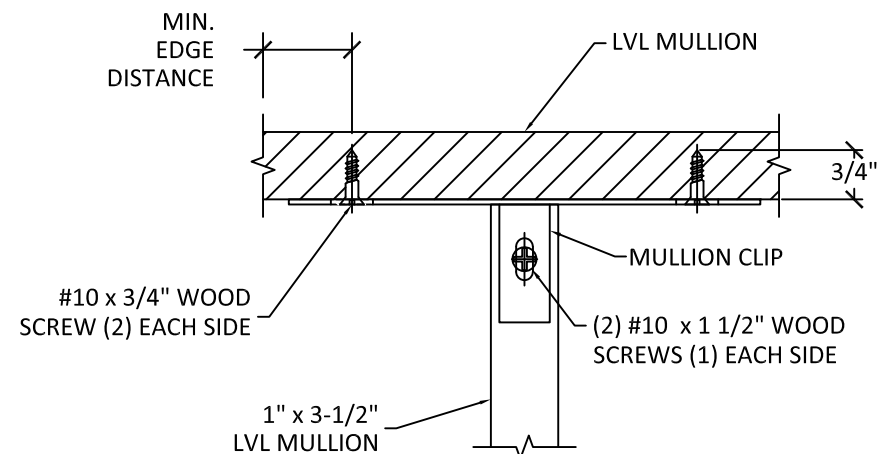
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4 **VERTICAL SECTION**
B1 & B2 CLIP INSTALLATION



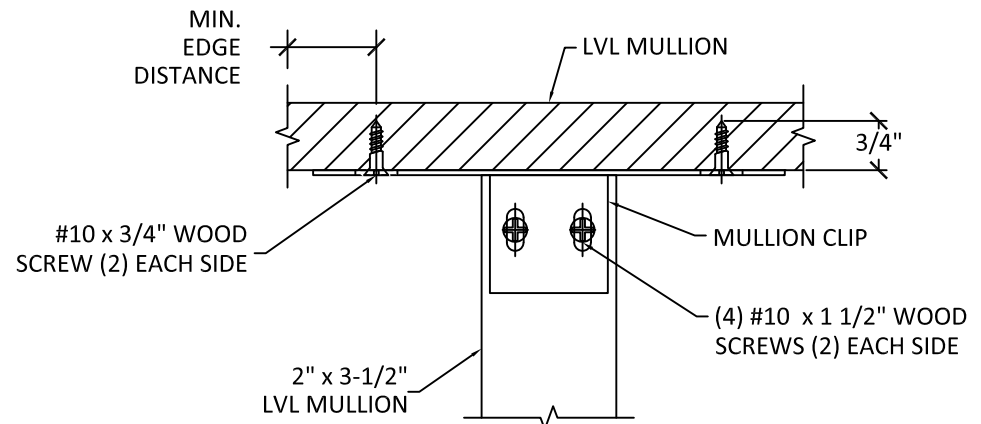
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4 **VERTICAL SECTION**
B4 & B5 CLIP INSTALLATION



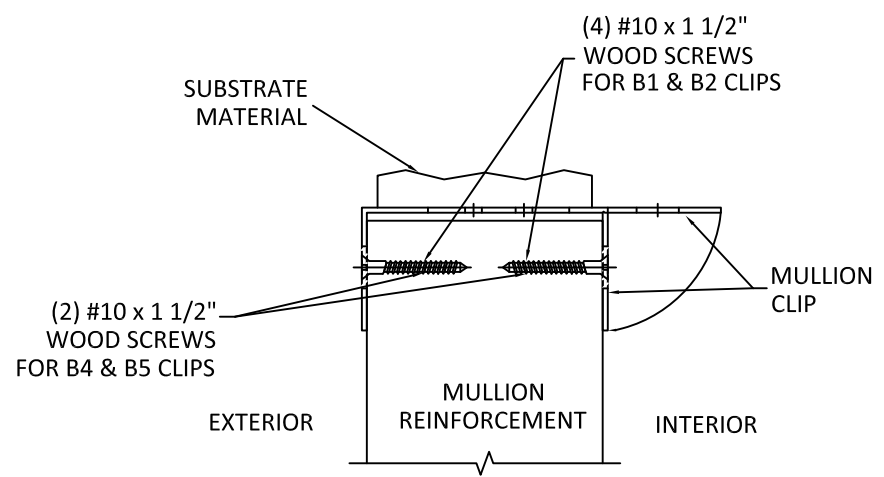
C
4 **VERTICAL SECTION**
PLATE INSTALLATION



C
4 **VERTICAL SECTION**
MULLION TO MULLION
B4 & B5 CLIPS



D
4 **VERTICAL SECTION**
MULLION TO MULLION
B1 & B2 CLIPS



INSTALLATION PROCEDURE
SEE ANCHORING DETAILS BELOW
(1"x3-1/2", 1"x5", 2"x3-1/2", & 2"x5" SIMILAR)

ANCHOR SCHEDULE FOR B1, B2, B4, B5 & PLATE CLIPS				
SUBSTRATE	SCREW QTY PER LOCATION	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)
WOOD MIN. S.G.= 0.55	4	#10 x 1 1/2" SELF DRILLING SCREW	1.5	0.75
CONCRETE MIN. f'c=3000PSI	4	1/4" DEWALT ULTRACON +	1.75	2.50
MASONRY CMU BLOCK MIN. f'c =2000PSI	4	1/4" DEWALT ULTRACON +	1.25	2.50
STEEL MIN. 18 GAUGE	4	#10 x 1 1/2" SELF DRILLING SCREW	3 THREADS MIN PENETRATION	0.50
STEEL MULLION FOR B1 & B4 INSTALLATION	4	1/4-20 x 1 1/2" PFH SMS	3 THREADS MIN PENETRATION	0.50

NOTE: FOR CLIPS B2 & B5 USE THE OUTER HOLES TO INSTALL INTO THE SUBSTRATE.



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VERTICAL SECTIONS

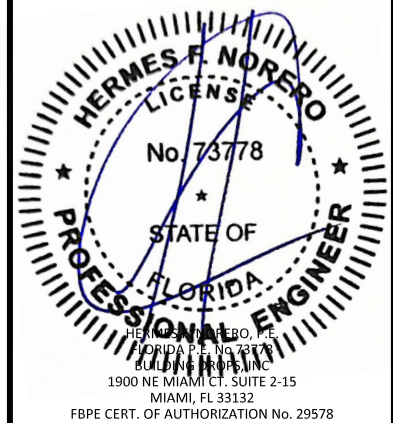
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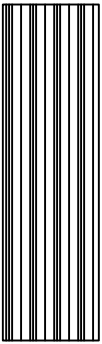
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
30.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
36.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
42.0	149.42	117.62	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19	114.19
48.0	111.23	83.66	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50	76.50
54.0	86.25	63.04	54.71	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73	53.73
60.0	68.95	49.43	41.48	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17
66.0	56.44	39.91	32.73	29.79	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43
72.0	47.08	32.96	26.59	23.59	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67
78.0	37.06	25.94	20.86	18.34	17.28	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14
84.0	29.51	20.52	16.33	14.15	13.08	12.74	12.74	12.74	12.74	12.74	12.74	12.74	12.74	12.74	12.74
90.0	23.89	16.52	13.05	11.18	10.17	9.73	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
96.0	19.61	13.51	10.60	9.00	8.09	7.62	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
102.0	16.30	11.18	8.73	7.36	6.55	6.10	5.89	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
108.0	13.70	9.37	7.28	6.10	5.39	4.97	4.74	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
114.0	11.62	7.93	6.14	5.12	4.49	4.10	3.88	3.77	3.76	3.76	3.76	3.76	3.76	3.76	3.76
120.0	9.94	6.77	5.23	4.34	3.79	3.44	3.22	3.10	3.06	3.06	3.06	3.06	3.06	3.06	3.06
126.0	8.58	5.83	4.49	3.71	3.23	2.91	2.71	2.58	2.53	2.52	2.52	2.52	2.52	2.52	2.52
132.0	7.45	5.05	3.88	3.20	2.77	2.49	2.30	2.18	2.11	2.09	2.09	2.09	2.09	2.09	2.09
138.0	6.51	4.41	3.38	2.78	2.40	2.14	1.97	1.86	1.79	1.75	1.75	1.75	1.75	1.75	1.75
144.0	5.73	3.87	2.96	2.43	2.09	1.86	1.71	1.60	1.53	1.49	1.48	1.48	1.48	1.48	1.48
150.0	5.06	3.42	2.61	2.14	1.84	1.63	1.49	1.39	1.32	1.28	1.26	1.25	1.25	1.25	1.25
156.0	4.50	3.03	2.32	1.89	1.62	1.43	1.30	1.21	1.15	1.10	1.08	1.07	1.07	1.07	1.07
162.0	4.01	2.71	2.06	1.68	1.44	1.27	1.15	1.06	1.00	0.96	0.94	0.92	0.92	0.92	0.92
168.0	3.59	2.42	1.84	1.50	1.28	1.13	1.02	0.94	0.88	0.84	0.82	0.80	0.80	0.80	0.80
174.0	3.23	2.18	1.66	1.35	1.15	1.01	0.91	0.84	0.78	0.75	0.72	0.70	0.69	0.69	0.69
180.0	2.92	1.96	1.49	1.21	1.03	0.91	0.82	0.75	0.70	0.66	0.64	0.62	0.61	0.60	0.60
186.0	2.64	1.78	1.35	1.10	0.93	0.82	0.73	0.67	0.63	0.59	0.57	0.55	0.54	0.53	0.53
192.0	2.40	1.62	1.23	1.00	0.84	0.74	0.66	0.61	0.56	0.53	0.51	0.49	0.48	0.47	0.47

NOTE:

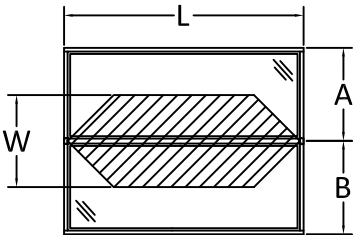
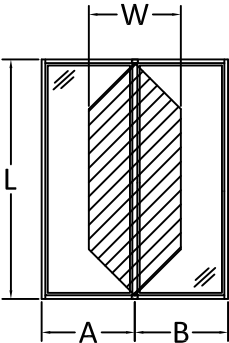
- 1) MULLION CHART APPLIES TO 1" X 3-1/2" MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• B4 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.

• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



1" X 3 1/2"
LVL MULL PROFILE



$$\frac{A + B = W}{2}$$



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

1" x 3-1/2" LVL MULLION ONE WAY LOAD TABLE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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 #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	123.20	102.67	88.00	77.00	68.44	61.60	56.00	51.33	47.38	44.00	41.07	38.50
30.0	150.00	150.00	123.20	98.56	82.13	70.40	61.60	54.76	49.28	44.80	41.07	37.91	35.20	32.85	30.80
36.0	150.00	120.89	90.67	72.53	60.44	51.81	45.33	40.30	36.27	32.97	30.22	27.90	25.90	24.18	22.67
42.0	133.22	88.82	66.61	53.29	44.41	38.06	33.31	29.61	26.64	24.22	22.20	20.50	19.03	17.76	16.65
48.0	102.00	68.00	51.00	40.80	34.00	29.14	25.50	22.67	20.40	18.55	17.00	15.69	14.57	13.60	12.75
54.0	80.59	53.73	40.30	32.24	26.86	23.03	20.15	17.91	16.12	14.65	13.43	12.40	11.51	10.75	10.07
60.0	65.28	43.52	32.64	26.11	21.76	18.65	16.32	14.51	13.06	11.87	10.88	10.04	9.33	8.70	8.16
66.0	53.95	35.97	26.98	21.58	17.98	15.41	13.49	11.99	10.79	9.81	8.99	8.30	7.71	7.19	6.74
72.0	45.33	30.22	22.67	18.13	15.11	12.95	11.33	10.07	9.07	8.24	7.56	6.97	6.48	6.04	5.67
78.0	35.66	23.77	17.83	14.26	11.89	10.19	8.91	7.92	7.13	6.48	5.94	5.49	5.09	4.75	4.46
84.0	28.55	19.03	14.27	11.42	9.52	8.16	7.14	6.34	5.71	5.19	4.76	4.39	4.08	3.81	3.57
90.0	23.21	15.47	11.61	9.28	7.74	6.63	5.80	5.16	4.64	4.22	3.87	3.57	3.32	3.09	2.90
96.0	19.13	12.75	9.56	7.65	6.38	5.46	4.78	4.25	3.83	3.48	3.19	2.94	2.73	2.55	2.39
102.0	15.94	10.63	7.97	6.38	5.31	4.56	3.99	3.54	3.19	2.90	2.66	2.45	2.28	2.13	1.99
108.0	13.43	8.95	6.72	5.37	4.48	3.84	3.36	2.98	2.69	2.44	2.24	2.07	1.92	1.79	1.68
114.0	11.42	7.61	5.71	4.57	3.81	3.26	2.86	2.54	2.28	2.08	1.90	1.76	1.63	1.52	1.43
120.0	9.79	6.53	4.90	3.92	3.26	2.80	2.45	2.18	1.96	1.78	1.63	1.51	1.40	1.31	1.22
126.0	8.46	5.64	4.23	3.38	2.82	2.42	2.11	1.88	1.69	1.54	1.41	1.30	1.21	1.13	1.06
132.0	7.36	4.90	3.68	2.94	2.45	2.10	1.84	1.63	1.47	1.34	1.23	1.13	1.05	0.98	0.92
138.0	6.44	4.29	3.22	2.58	2.15	1.84	1.61	1.43	1.29	1.17	1.07	0.99	0.92	0.86	0.80
144.0	5.67	3.78	2.83	2.27	1.89	1.62	1.42	1.26	1.13	1.03	0.94	0.87	0.81	0.76	0.71
150.0	5.01	3.34	2.51	2.01	1.67	1.43	1.25	1.11	1.00	0.91	0.84	0.77	0.72	0.67	0.63
156.0	4.46	2.97	2.23	1.78	1.49	1.27	1.11	0.99	0.89	0.81	0.74	0.69	0.64	0.59	0.56
162.0	3.98	2.65	1.99	1.59	1.33	1.14	0.99	0.88	0.80	0.72	0.66	0.61	0.57	0.53	0.50
168.0	3.57	2.38	1.78	1.43	1.19	1.02	0.89	0.79	0.71	0.65	0.59	0.55	0.51	0.48	0.45
174.0	3.21	2.14	1.61	1.28	1.07	0.92	0.80	0.71	0.64	0.58	0.54	0.49	0.46	0.43	0.40
180.0	2.90	1.93	1.45	1.16	0.97	0.83	0.73	0.64	0.58	0.53	0.48	0.45	0.41	0.39	0.36
186.0	2.63	1.75	1.31	1.05	0.88	0.75	0.66	0.58	0.53	0.48	0.44	0.40	0.38	0.35	0.33
192.0	2.39	1.59	1.20	0.96	0.80	0.68	0.60	0.53	0.48	0.43	0.40	0.37	0.34	0.32	0.30

NOTE:

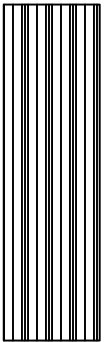
- 1) MULLION CHART APPLIES TO 1" X 3-1/2" MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• B4 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.

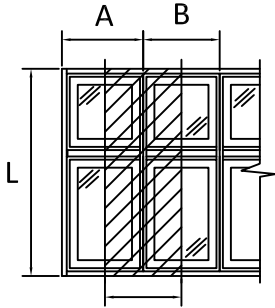
• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

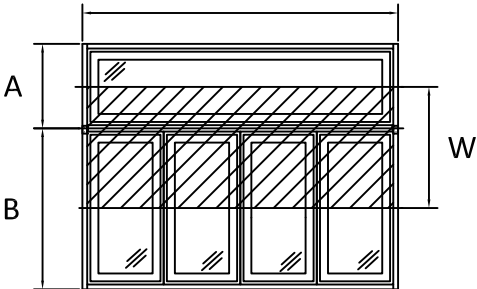
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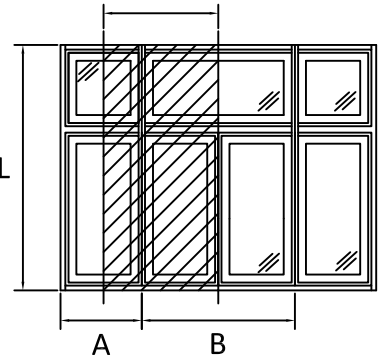
1" X 3 1/2"
LVL MULL PROFILE



L



W



A B



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

1" x 3-1/2" LVL MULLION
TWO WAY LOAD TABLE

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132

PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

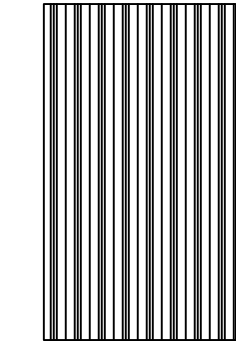
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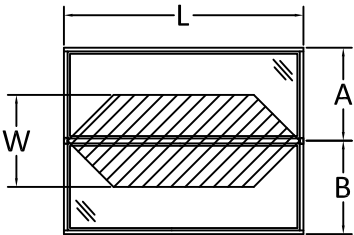
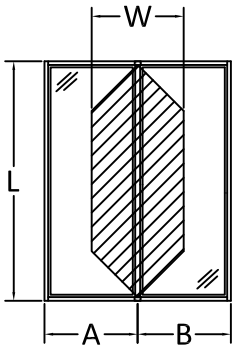
FL #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
2" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
30.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
36.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
42.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
48.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
54.0	150.00	126.17	109.50	107.54	107.54	107.54	107.54	107.54	107.54	107.54	107.54	107.54	107.54	107.54	107.54
60.0	138.02	98.93	83.03	78.40	78.40	78.40	78.40	78.40	78.40	78.40	78.40	78.40	78.40	78.40	78.40
66.0	112.97	79.88	65.52	59.63	58.90	58.90	58.90	58.90	58.90	58.90	58.90	58.90	58.90	58.90	58.90
72.0	94.24	65.97	53.23	47.22	45.37	45.37	45.37	45.37	45.37	45.37	45.37	45.37	45.37	45.37	45.37
78.0	74.17	51.92	41.75	36.72	34.59	34.31	34.31	34.31	34.31	34.31	34.31	34.31	34.31	34.31	34.31
84.0	59.06	41.07	32.69	28.33	26.19	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51
90.0	47.81	33.07	26.11	22.37	20.37	19.48	19.36	19.36	19.36	19.36	19.36	19.36	19.36	19.36	19.36
96.0	39.25	27.03	21.21	18.01	16.19	15.26	14.95	14.95	14.95	14.95	14.95	14.95	14.95	14.95	14.95
102.0	32.63	22.39	17.48	14.73	13.12	12.21	11.79	11.73	11.73	11.73	11.73	11.73	11.73	11.73	11.73
108.0	27.42	18.76	14.58	12.21	10.79	9.94	9.49	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
114.0	23.26	15.87	12.29	10.25	8.99	8.22	7.76	7.55	7.52	7.52	7.52	7.52	7.52	7.52	7.52
120.0	19.91	13.55	10.46	8.69	7.58	6.88	6.44	6.21	6.12	6.12	6.12	6.12	6.12	6.12	6.12
126.0	17.17	11.67	8.98	7.43	6.46	5.82	5.42	5.17	5.06	5.04	5.04	5.04	5.04	5.04	5.04
132.0	14.91	10.12	7.77	6.41	5.55	4.98	4.60	4.36	4.23	4.18	4.18	4.18	4.18	4.18	4.18
138.0	13.03	8.83	6.77	5.57	4.80	4.29	3.95	3.72	3.58	3.51	3.50	3.50	3.50	3.50	3.50
144.0	11.46	7.75	5.93	4.87	4.19	3.73	3.41	3.20	3.06	2.98	2.95	2.95	2.95	2.95	2.95
150.0	10.13	6.85	5.23	4.29	3.68	3.26	2.97	2.77	2.64	2.56	2.52	2.51	2.51	2.51	2.51
156.0	9.00	6.07	4.64	3.79	3.25	2.87	2.61	2.42	2.29	2.21	2.16	2.14	2.14	2.14	2.14
162.0	8.03	5.42	4.13	3.37	2.88	2.54	2.30	2.13	2.01	1.93	1.87	1.85	1.84	1.84	1.84
168.0	7.19	4.85	3.69	3.01	2.57	2.26	2.04	1.89	1.77	1.69	1.64	1.61	1.59	1.59	1.59
174.0	6.47	4.36	3.31	2.70	2.30	2.02	1.82	1.68	1.57	1.49	1.44	1.41	1.39	1.39	1.39
180.0	5.84	3.93	2.99	2.43	2.07	1.81	1.63	1.50	1.40	1.33	1.27	1.24	1.22	1.21	1.21
186.0	5.29	3.56	2.70	2.20	1.87	1.63	1.47	1.34	1.25	1.18	1.13	1.10	1.07	1.06	1.06
192.0	4.81	3.23	2.45	1.99	1.69	1.48	1.33	1.21	1.13	1.06	1.01	0.98	0.95	0.94	0.93

- NOTE:
- 1) MULLION CHART APPLIES TO 2" X 3-1/2" MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
 - 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - B1 & B4 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
 - PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
 - 6) TRIBUTARY WIDTH = W = (A+B)/2
 - 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



2" X 3 1/2"
LVL MULL PROFILE



$$\frac{A + B}{2} = W$$



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

2" x 3-1/2" LVL MULLION ONE WAY LOAD TABLE

PREPARED BY:

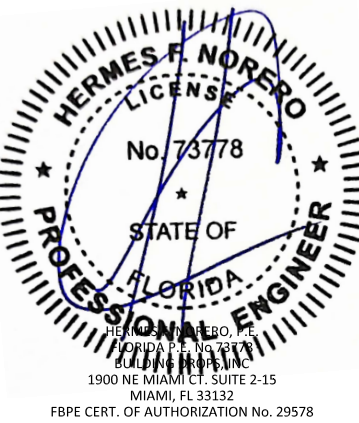
 BUILDING DROPS

BUILDING DROPS, INC.

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

REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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FL #:
FL15922

DATE:
10.05.17

DWG. BY:
RV

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
AWD197

SHEET
7

OF 12

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) 2" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	123.20	102.67	88.00	77.00	68.44	61.60	56.00	51.33	47.38	44.00	41.07	38.50
30.0	150.00	150.00	123.20	98.56	82.13	70.40	61.60	54.76	49.28	44.80	41.07	37.91	35.20	32.85	30.80
36.0	150.00	136.89	102.67	82.13	68.44	58.67	51.33	45.63	41.07	37.33	34.22	31.59	29.33	27.38	25.67
42.0	150.00	117.33	88.00	70.40	58.67	50.29	44.00	39.11	35.20	32.00	29.33	27.08	25.14	23.47	22.00
48.0	150.00	102.67	77.00	61.60	51.33	44.00	38.50	34.22	30.80	28.00	25.67	23.69	22.00	20.53	19.25
54.0	136.89	91.26	68.44	54.76	45.63	39.11	34.22	30.42	27.38	24.89	22.81	21.06	19.56	18.25	17.11
60.0	123.20	82.13	61.60	49.28	41.07	35.20	30.80	27.38	24.64	22.40	20.53	18.95	17.60	16.43	15.40
66.0	107.90	71.93	53.95	43.16	35.97	30.83	26.98	23.98	21.58	19.62	17.98	16.60	15.41	14.39	13.49
72.0	90.67	60.44	45.33	36.27	30.22	25.90	22.67	20.15	18.13	16.48	15.11	13.95	12.95	12.09	11.33
78.0	71.31	47.54	35.66	28.52	23.77	20.37	17.83	15.85	14.26	12.97	11.89	10.97	10.19	9.51	8.91
84.0	57.10	38.06	28.55	22.84	19.03	16.31	14.27	12.69	11.42	10.38	9.52	8.78	8.16	7.61	7.14
90.0	46.42	30.95	23.21	18.57	15.47	13.26	11.61	10.32	9.28	8.44	7.74	7.14	6.63	6.19	5.80
96.0	38.25	25.50	19.13	15.30	12.75	10.93	9.56	8.50	7.65	6.95	6.38	5.88	5.46	5.10	4.78
102.0	31.89	21.26	15.94	12.76	10.63	9.11	7.97	7.09	6.38	5.80	5.31	4.91	4.56	4.25	3.99
108.0	26.86	17.91	13.43	10.75	8.95	7.68	6.72	5.97	5.37	4.88	4.48	4.13	3.84	3.58	3.36
114.0	22.84	15.23	11.42	9.14	7.61	6.53	5.71	5.08	4.57	4.15	3.81	3.51	3.26	3.05	2.86
120.0	19.58	13.06	9.79	7.83	6.53	5.60	4.90	4.35	3.92	3.56	3.26	3.01	2.80	2.61	2.45
126.0	16.92	11.28	8.46	6.77	5.64	4.83	4.23	3.76	3.38	3.08	2.82	2.60	2.42	2.26	2.11
132.0	14.71	9.81	7.36	5.89	4.90	4.20	3.68	3.27	2.94	2.68	2.45	2.26	2.10	1.96	1.84
138.0	12.88	8.58	6.44	5.15	4.29	3.68	3.22	2.86	2.58	2.34	2.15	1.98	1.84	1.72	1.61
144.0	11.33	7.56	5.67	4.53	3.78	3.24	2.83	2.52	2.27	2.06	1.89	1.74	1.62	1.51	1.42
150.0	10.03	6.68	5.01	4.01	3.34	2.86	2.51	2.23	2.01	1.82	1.67	1.54	1.43	1.34	1.25
156.0	8.91	5.94	4.46	3.57	2.97	2.55	2.23	1.98	1.78	1.62	1.49	1.37	1.27	1.19	1.11
162.0	7.96	5.31	3.98	3.18	2.65	2.27	1.99	1.77	1.59	1.45	1.33	1.22	1.14	1.06	0.99
168.0	7.14	4.76	3.57	2.85	2.38	2.04	1.78	1.59	1.43	1.30	1.19	1.10	1.02	0.95	0.89
174.0	6.42	4.28	3.21	2.57	2.14	1.84	1.61	1.43	1.28	1.17	1.07	0.99	0.92	0.86	0.80
180.0	5.80	3.87	2.90	2.32	1.93	1.66	1.45	1.29	1.16	1.06	0.97	0.89	0.83	0.77	0.73
186.0	5.26	3.51	2.63	2.10	1.75	1.50	1.31	1.17	1.05	0.96	0.88	0.81	0.75	0.70	0.66
192.0	4.78	3.19	2.39	1.91	1.59	1.37	1.20	1.06	0.96	0.87	0.80	0.74	0.68	0.64	0.60

NOTE:

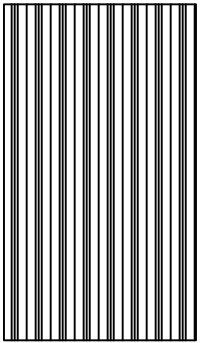
- 1) MULLION CHART APPLIES TO 2" X 3-1/2" MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• B1 & B4 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.

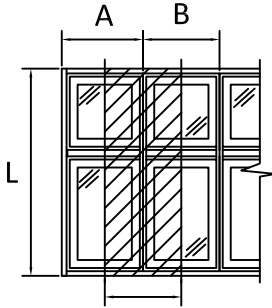
• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2

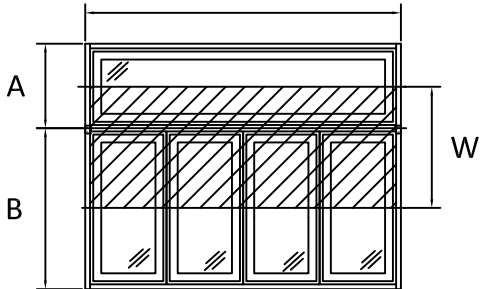


2" X 3 1/2"
LVL MULL PROFILE

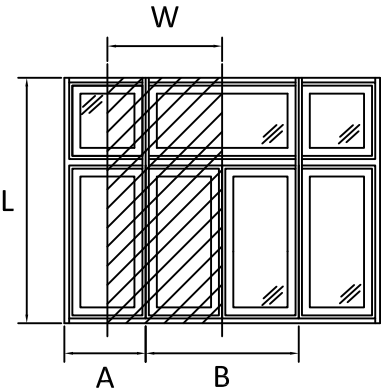


W

L



W



A

B



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

2" x 3-1/2" LVL MULLION TWO WAY LOAD TABLE

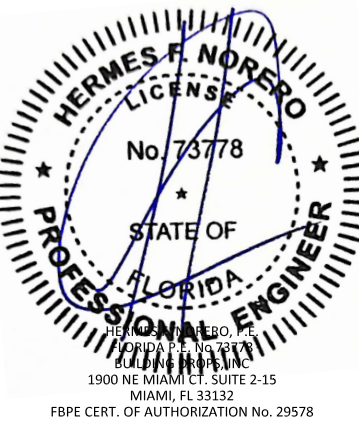
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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 #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	8

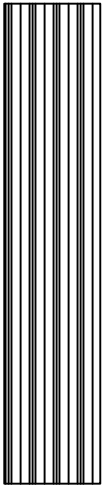
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)																
1" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION																
L - Mull Length (in)	W - Tributary Width (in)															
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0	
24.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
30.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
36.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
42.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
48.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
54.0	150.00	136.89	120.27	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12	118.12
60.0	150.00	108.66	91.19	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11	86.11
66.0	124.08	87.74	71.96	65.49	64.70	64.70	64.70	64.70	64.70	64.70	64.70	64.70	64.70	64.70	64.70	64.70
72.0	103.51	72.46	58.46	51.87	49.83	49.83	49.83	49.83	49.83	49.83	49.83	49.83	49.83	49.83	49.83	49.83
78.0	87.71	60.93	48.57	42.30	39.54	39.19	39.19	39.19	39.19	39.19	39.19	39.19	39.19	39.19	39.19	39.19
84.0	75.29	51.99	41.06	35.27	32.32	31.38	31.38	31.38	31.38	31.38	31.38	31.38	31.38	31.38	31.38	31.38
90.0	65.35	44.92	35.22	29.93	27.02	25.69	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51
96.0	57.27	39.21	30.57	25.77	22.99	21.51	21.02	21.02	21.02	21.02	21.02	21.02	21.02	21.02	21.02	21.02
102.0	50.61	34.54	26.80	22.44	19.84	18.33	17.62	17.53	17.53	17.53	17.53	17.53	17.53	17.53	17.53	17.53
108.0	44.63	30.53	23.70	19.74	17.32	15.85	15.03	14.77	14.77	14.77	14.77	14.77	14.77	14.77	14.77	14.77
114.0	37.87	25.84	20.01	16.68	14.64	13.38	12.64	12.29	12.24	12.24	12.24	12.24	12.24	12.24	12.24	12.24
120.0	32.41	22.06	17.03	14.14	12.35	11.20	10.49	10.10	9.97	9.97	9.97	9.97	9.97	9.97	9.97	9.97
126.0	27.95	18.99	14.62	12.10	10.51	9.48	8.82	8.42	8.23	8.20	8.20	8.20	8.20	8.20	8.20	8.20
132.0	24.28	16.47	12.65	10.44	9.03	8.11	7.49	7.10	6.89	6.81	6.81	6.81	6.81	6.81	6.81	6.81
138.0	21.22	14.37	11.02	9.07	7.82	6.99	6.43	6.05	5.83	5.72	5.70	5.70	5.70	5.70	5.70	5.70
144.0	18.66	12.62	9.66	7.93	6.82	6.07	5.56	5.21	4.98	4.85	4.81	4.81	4.81	4.81	4.81	4.81
150.0	16.49	11.14	8.52	6.98	5.99	5.31	4.84	4.52	4.30	4.16	4.09	4.08	4.08	4.08	4.08	4.08
156.0	14.65	9.89	7.55	6.17	5.28	4.68	4.25	3.95	3.74	3.60	3.52	3.49	3.49	3.49	3.49	3.49
162.0	13.07	8.82	6.72	5.49	4.69	4.14	3.75	3.47	3.27	3.14	3.05	3.01	3.00	3.00	3.00	3.00
168.0	11.71	7.89	6.01	4.90	4.18	3.68	3.33	3.07	2.88	2.75	2.66	2.61	2.60	2.60	2.60	2.60
174.0	10.54	7.10	5.40	4.39	3.74	3.29	2.97	2.73	2.56	2.43	2.34	2.29	2.26	2.26	2.26	2.26
180.0	9.51	6.40	4.86	3.96	3.36	2.95	2.66	2.44	2.28	2.16	2.07	2.02	1.98	1.97	1.97	1.97
186.0	8.62	5.80	4.40	3.58	3.04	2.66	2.39	2.19	2.04	1.93	1.84	1.79	1.75	1.73	1.73	1.73
192.0	7.83	5.26	3.99	3.24	2.75	2.41	2.16	1.97	1.83	1.73	1.65	1.59	1.55	1.53	1.53	1.52

NOTE:

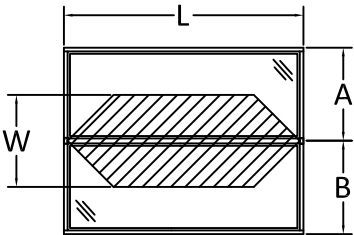
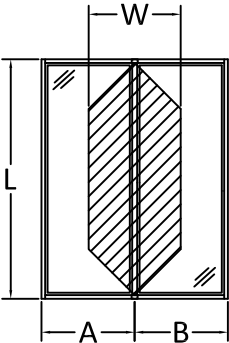
- 1) MULLION CHART APPLIES TO 1" X 5-3/16" MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• B5 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.

• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



1" X 5-3/16"
LVL MULL PROFILE



A + B = W

2



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

1" X 5-3/16" LVL MULLION ONE WAY LOAD TABLE

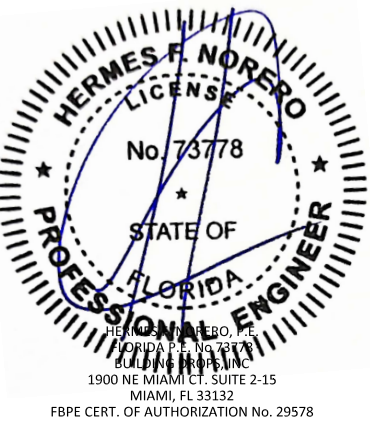
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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 #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	123.20	102.67	88.00	77.00	68.44	61.60	56.00	51.33	47.38	44.00	41.07	38.50
30.0	150.00	150.00	123.20	98.56	82.13	70.40	61.60	54.76	49.28	44.80	41.07	37.91	35.20	32.85	30.80
36.0	150.00	136.89	102.67	82.13	68.44	58.67	51.33	45.63	41.07	37.33	34.22	31.59	29.33	27.38	25.67
42.0	150.00	117.33	88.00	70.40	58.67	50.29	44.00	39.11	35.20	32.00	29.33	27.08	25.14	23.47	22.00
48.0	150.00	102.67	77.00	61.60	51.33	44.00	38.50	34.22	30.80	28.00	25.67	23.69	22.00	20.53	19.25
54.0	136.89	91.26	68.44	54.76	45.63	39.11	34.22	30.42	27.38	24.89	22.81	21.06	19.56	18.25	17.11
60.0	123.20	82.13	61.60	49.28	41.07	35.20	30.80	27.38	24.64	22.40	20.53	18.95	17.60	16.43	15.40
66.0	112.00	74.67	56.00	44.80	37.33	32.00	28.00	24.89	22.40	20.36	18.67	17.23	16.00	14.93	14.00
72.0	99.67	66.44	49.83	39.87	33.22	28.48	24.92	22.15	19.93	18.12	16.61	15.33	14.24	13.29	12.46
78.0	84.92	56.61	42.46	33.97	28.31	24.26	21.23	18.87	16.98	15.44	14.15	13.06	12.13	11.32	10.62
84.0	73.22	48.82	36.61	29.29	24.41	20.92	18.31	16.27	14.64	13.31	12.20	11.27	10.46	9.76	9.15
90.0	63.79	42.52	31.89	25.51	21.26	18.22	15.95	14.17	12.76	11.60	10.63	9.81	9.11	8.50	7.97
96.0	56.06	37.37	28.03	22.42	18.69	16.02	14.02	12.46	11.21	10.19	9.34	8.62	8.01	7.47	7.01
102.0	49.66	33.11	24.83	19.86	16.55	14.19	12.42	11.04	9.93	9.03	8.28	7.64	7.09	6.62	6.21
108.0	43.77	29.18	21.88	17.51	14.59	12.51	10.94	9.73	8.75	7.96	7.29	6.73	6.25	5.84	5.47
114.0	37.22	24.81	18.61	14.89	12.41	10.63	9.30	8.27	7.44	6.77	6.20	5.73	5.32	4.96	4.65
120.0	31.91	21.27	15.95	12.76	10.64	9.12	7.98	7.09	6.38	5.80	5.32	4.91	4.56	4.25	3.99
126.0	27.56	18.38	13.78	11.03	9.19	7.88	6.89	6.13	5.51	5.01	4.59	4.24	3.94	3.68	3.45
132.0	23.97	15.98	11.99	9.59	7.99	6.85	5.99	5.33	4.79	4.36	4.00	3.69	3.42	3.20	3.00
138.0	20.98	13.99	10.49	8.39	6.99	5.99	5.24	4.66	4.20	3.81	3.50	3.23	3.00	2.80	2.62
144.0	18.47	12.31	9.23	7.39	6.16	5.28	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31
150.0	16.34	10.89	8.17	6.53	5.45	4.67	4.08	3.63	3.27	2.97	2.72	2.51	2.33	2.18	2.04
156.0	14.52	9.68	7.26	5.81	4.84	4.15	3.63	3.23	2.90	2.64	2.42	2.23	2.07	1.94	1.82
162.0	12.97	8.65	6.48	5.19	4.32	3.71	3.24	2.88	2.59	2.36	2.16	2.00	1.85	1.73	1.62
168.0	11.63	7.75	5.81	4.65	3.88	3.32	2.91	2.58	2.33	2.11	1.94	1.79	1.66	1.55	1.45
174.0	10.47	6.98	5.23	4.19	3.49	2.99	2.62	2.33	2.09	1.90	1.74	1.61	1.50	1.40	1.31
180.0	9.45	6.30	4.73	3.78	3.15	2.70	2.36	2.10	1.89	1.72	1.58	1.45	1.35	1.26	1.18
186.0	8.57	5.71	4.28	3.43	2.86	2.45	2.14	1.90	1.71	1.56	1.43	1.32	1.22	1.14	1.07
192.0	7.79	5.19	3.89	3.12	2.60	2.23	1.95	1.73	1.56	1.42	1.30	1.20	1.11	1.04	0.97

NOTE:

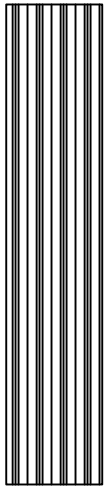
- 1) MULLION CHART APPLIES TO 1" X 5-3/16" MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• B5 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.

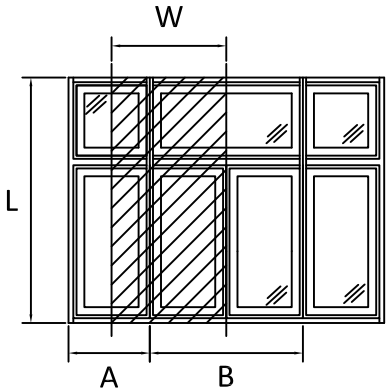
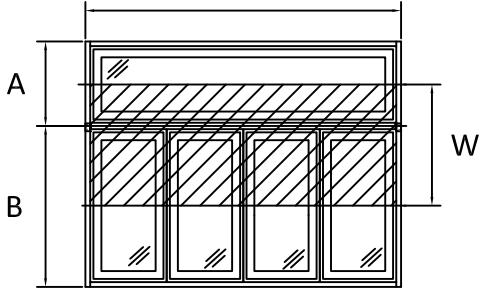
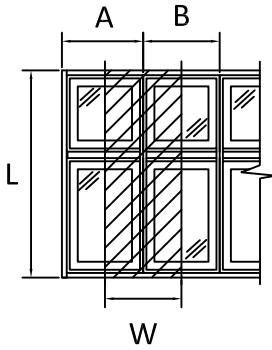
• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2



1" X 5-3/16"
LVL MULL PROFILE



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

1" X 5-3/16" LVL MULLION TWO WAY LOAD TABLE

PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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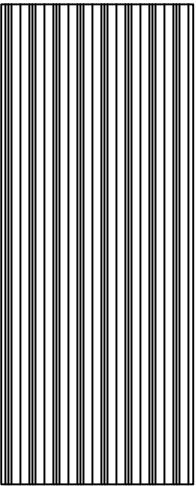


FL #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	

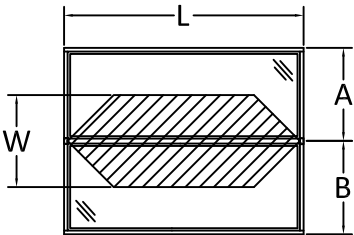
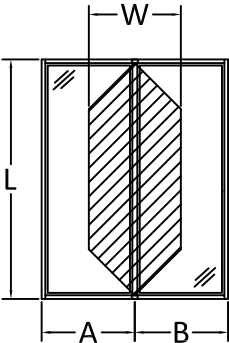
10

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) 2" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION																
L - Mull Length (in)	W - Tributary Width (in)															
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0	
24.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	
30.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	
36.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	
42.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	
48.0	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	
54.0	150.00	136.89	123.20	121.68	121.68	121.68	121.68	121.68	121.68	121.68	121.68	121.68	121.68	121.68	121.68	
60.0	150.00	117.33	102.67	98.56	98.56	98.56	98.56	98.56	98.56	98.56	98.56	98.56	98.56	98.56	98.56	
66.0	136.89	102.67	88.00	82.13	81.45	81.45	81.45	81.45	81.45	81.45	81.45	81.45	81.45	81.45	81.45	
72.0	123.20	91.26	77.00	70.40	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.44	
78.0	112.00	82.13	68.44	61.60	58.67	58.32	58.32	58.32	58.32	58.32	58.32	58.32	58.32	58.32	58.32	
84.0	102.67	74.67	61.60	54.76	51.33	50.29	50.29	50.29	50.29	50.29	50.29	50.29	50.29	50.29	50.29	
90.0	94.77	68.44	56.00	49.28	45.63	44.00	43.80	43.80	43.80	43.80	43.80	43.80	43.80	43.80	43.80	
96.0	88.00	63.18	51.33	44.80	41.07	39.11	38.50	38.50	38.50	38.50	38.50	38.50	38.50	38.50	38.50	
102.0	82.13	58.67	47.38	41.07	36.86	34.05	32.73	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	
108.0	77.00	54.76	44.00	36.67	32.18	29.44	27.93	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	
114.0	72.47	50.94	39.24	32.53	28.38	25.75	24.18	23.42	23.32	23.32	23.32	23.32	23.32	23.32	23.32	
120.0	64.81	44.13	34.07	28.29	24.69	22.40	20.98	20.21	19.94	19.94	19.94	19.94	19.94	19.94	19.94	
126.0	55.90	37.99	29.25	24.20	21.03	18.96	17.63	16.84	16.46	16.41	16.41	16.41	16.41	16.41	16.41	
132.0	48.55	32.94	25.30	20.87	18.07	16.21	14.98	14.20	13.77	13.62	13.62	13.62	13.62	13.62	13.62	
138.0	42.44	28.75	22.04	18.14	15.64	13.98	12.85	12.11	11.65	11.44	11.40	11.40	11.40	11.40	11.40	
144.0	37.31	25.24	19.32	15.86	13.64	12.14	11.12	10.42	9.96	9.71	9.62	9.62	9.62	9.62	9.62	
150.0	32.98	22.29	17.03	13.95	11.97	10.62	9.69	9.03	8.59	8.32	8.19	8.17	8.17	8.17	8.17	
156.0	29.30	19.78	15.09	12.34	10.57	9.35	8.50	7.89	7.47	7.20	7.04	6.98	6.98	6.98	6.98	
162.0	26.14	17.63	13.44	10.97	9.38	8.28	7.50	6.94	6.54	6.27	6.10	6.02	6.00	6.00	6.00	
168.0	23.42	15.79	12.02	9.80	8.36	7.36	6.65	6.14	5.77	5.50	5.33	5.23	5.19	5.19	5.19	
174.0	21.07	14.19	10.79	8.79	7.48	6.58	5.93	5.46	5.11	4.86	4.69	4.58	4.52	4.51	4.51	
180.0	19.02	12.80	9.73	7.91	6.73	5.91	5.31	4.88	4.55	4.31	4.14	4.03	3.96	3.94	3.94	
186.0	17.23	11.59	8.80	7.15	6.07	5.32	4.78	4.38	4.08	3.85	3.69	3.57	3.50	3.46	3.45	
192.0	15.66	10.53	7.99	6.48	5.50	4.81	4.32	3.94	3.66	3.45	3.30	3.18	3.11	3.06	3.04	

- NOTE:
- 1) MULLION CHART APPLIES TO 2" X 5-3/16" MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
 - 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - B2 & B5 CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
 - PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
 - 6) TRIBUTARY WIDTH = W = (A+B)/2
 - 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



2" X 5-3/16"
LVL MULL PROFILE



$$\frac{A + B}{2} = W$$



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

2" X 5-3/16" LVL MULLION ONE WAY LOAD TABLE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

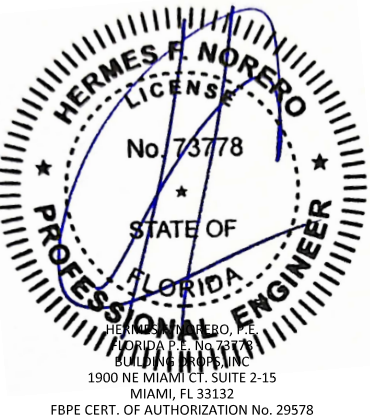
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
MULL TABLES UPDATE	LL	8.2.19
7TH CODE CHANGE 2020	YC	10.9.20
CLIP DETAILS UPDATE	SH	8.9.22
2023 CODE CHANGE	MS	10/19/23

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FL #:	FL15922
DATE:	10.05.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD197
SHEET	11

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
2" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	150.00	150.00	150.00	123.20	102.67	88.00	77.00	68.44	61.60	56.00	51.33	47.38	44.00	41.07	38.50
30.0	150.00	150.00	123.20	98.56	82.13	70.40	61.60	54.76	49.28	44.80	41.07	37.91	35.20	32.85	30.80
36.0	150.00	136.89	102.67	82.13	68.44	58.67	51.33	45.63	41.07	37.33	34.22	31.59	29.33	27.38	25.67
42.0	150.00	117.33	88.00	70.40	58.67	50.29	44.00	39.11	35.20	32.00	29.33	27.08	25.14	23.47	22.00
48.0	150.00	102.67	77.00	61.60	51.33	44.00	38.50	34.22	30.80	28.00	25.67	23.69	22.00	20.53	19.25
54.0	136.89	91.26	68.44	54.76	45.63	39.11	34.22	30.42	27.38	24.89	22.81	21.06	19.56	18.25	17.11
60.0	123.20	82.13	61.60	49.28	41.07	35.20	30.80	27.38	24.64	22.40	20.53	18.95	17.60	16.43	15.40
66.0	112.00	74.67	56.00	44.80	37.33	32.00	28.00	24.89	22.40	20.36	18.67	17.23	16.00	14.93	14.00
72.0	102.67	68.44	51.33	41.07	34.22	29.33	25.67	22.81	20.53	18.67	17.11	15.79	14.67	13.69	12.83
78.0	94.77	63.18	47.38	37.91	31.59	27.08	23.69	21.06	18.95	17.23	15.79	14.58	13.54	12.64	11.85
84.0	88.00	58.67	44.00	35.20	29.33	25.14	22.00	19.56	17.60	16.00	14.67	13.54	12.57	11.73	11.00
90.0	82.13	54.76	41.07	32.85	27.38	23.47	20.53	18.25	16.43	14.93	13.69	12.64	11.73	10.95	10.27
96.0	77.00	51.33	38.50	30.80	25.67	22.00	19.25	17.11	15.40	14.00	12.83	11.85	11.00	10.27	9.63
102.0	72.47	48.31	36.24	28.99	24.16	20.71	18.12	16.10	14.49	13.18	12.08	11.15	10.35	9.66	9.06
108.0	68.44	45.63	34.22	27.38	22.81	19.56	17.11	15.21	13.69	12.44	11.41	10.53	9.78	9.13	8.56
114.0	64.84	43.23	32.42	25.94	21.61	18.53	16.21	14.41	12.97	11.79	10.81	9.98	9.26	8.65	8.11
120.0	61.60	41.07	30.80	24.64	20.53	17.60	15.40	13.69	12.32	11.20	10.27	9.48	8.80	8.21	7.70
126.0	55.13	36.75	27.56	22.05	18.38	15.75	13.78	12.25	11.03	10.02	9.19	8.48	7.88	7.35	6.89
132.0	47.95	31.96	23.97	19.18	15.98	13.70	11.99	10.65	9.59	8.72	7.99	7.38	6.85	6.39	5.99
138.0	41.96	27.97	20.98	16.78	13.99	11.99	10.49	9.32	8.39	7.63	6.99	6.46	5.99	5.59	5.24
144.0	36.93	24.62	18.47	14.77	12.31	10.55	9.23	8.21	7.39	6.71	6.16	5.68	5.28	4.92	4.62
150.0	32.67	21.78	16.34	13.07	10.89	9.34	8.17	7.26	6.53	5.94	5.45	5.03	4.67	4.36	4.08
156.0	29.05	19.36	14.52	11.62	9.68	8.30	7.26	6.45	5.81	5.28	4.84	4.47	4.15	3.87	3.63
162.0	25.94	17.29	12.97	10.37	8.65	7.41	6.48	5.76	5.19	4.72	4.32	3.99	3.71	3.46	3.24
168.0	23.26	15.50	11.63	9.30	7.75	6.64	5.81	5.17	4.65	4.23	3.88	3.58	3.32	3.10	2.91
174.0	20.93	13.96	10.47	8.37	6.98	5.98	5.23	4.65	4.19	3.81	3.49	3.22	2.99	2.79	2.62
180.0	18.91	12.61	9.45	7.56	6.30	5.40	4.73	4.20	3.78	3.44	3.15	2.91	2.70	2.52	2.36
186.0	17.14	11.42	8.57	6.85	5.71	4.90	4.28	3.81	3.43	3.12	2.86	2.64	2.45	2.28	2.14
192.0	15.58	10.39	7.79	6.23	5.19	4.45	3.89	3.46	3.12	2.83	2.60	2.40	2.23	2.08	1.95

NOTE:

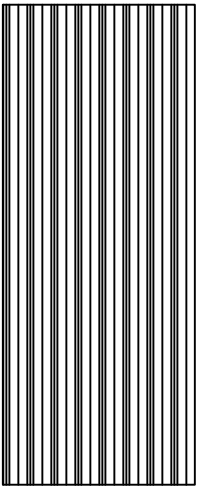
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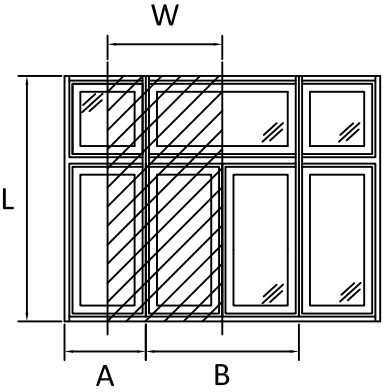
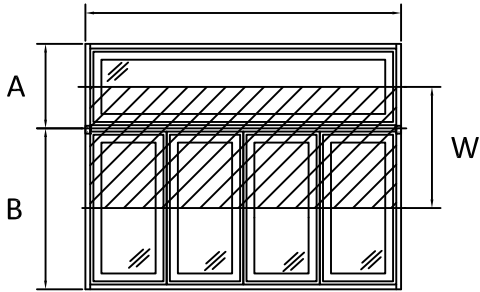
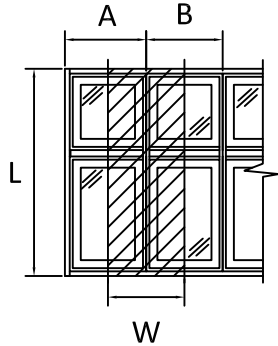
• PLATE CLIP INSTALLATION TO WOOD, METAL STUD, CONCRETE OR LVL MULLION.
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- 7) WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2



2" X 5-3/16"
LVL MULL PROFILE



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES LAMINATED VENEERED LUMBER (LVL) CLIPPED MULLION (NON-HVHZ)(IMPACT)

2" X 5-3/16" LVL MULLION TWO WAY LOAD TABLE

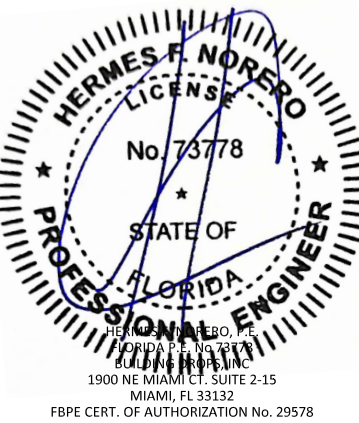
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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MULL TABLES UPDATE	LL	8.2.19
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DWG. #:	AWD197
SHEET	