

BXUV.N708

Beam for Unprotected Floor/Ceiling, Cellular/Corrugated Decking

Restrained Beam

Normal Weight Concrete & Lightweight Concrete

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, RG

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
9/16	13/16	1 1/16	1 5/8	2 3/16	W4 x 13	0.670	11/16	7/8	1 3/16	1 7/8	2 1/2
9/16	13/16	1 1/16	1 5/8	2 3/16	W5 x 16	0.664	11/16	7/8	1 1/4	1 7/8	2 1/2
9/16	3/4	1	1 1/2	2	W5 x 19	0.776	5/8	13/16	1 1/8	1 11/16	2 5/16
3/4	1	1 3/8	2 1/16	2 13/16	W6 x 9	0.398	13/16	1 1/8	1 9/16	2 5/16	3 1/8
11/16	7/8	1 3/16	1 13/16	2 1/2	W6 x 12	0.526	3/4	1	1 3/8	2 1/16	2 13/16
11/16	7/8	1 3/16	1 7/8	2 1/2	W6 x 15	0.521	3/4	1	1 3/8	2 1/16	2 13/16
9/16	13/16	1 1/16	1 5/8	2 3/16	W6 x 16	0.684	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	13/16	1 1/16	1 5/8	2 3/16	W6 x 20	0.678	5/8	7/8	1 3/16	1 13/16	2 7/16
1/2	11/16	15/16	1 7/16	1 15/16	W6 x 25	0.839	9/16	3/4	1 1/16	1 5/8	2 3/16
3/4	1 1/16	1 3/8	2 1/8	2 7/8	W8 x 10	0.375	7/8	1 1/8	1 9/16	2 3/8	3 3/16
11/16	15/16	1 1/4	1 15/16	2 9/16	W8 x 13	0.483	3/4	1	1 7/16	2 3/16	2 7/8
5/8	7/8	1 3/16	1 13/16	2 7/16	W8 x 15	0.551	3/4	15/16	1 5/16	2 1/16	2 3/4
5/8	7/8	1 1/8	1 3/4	2 3/8	W8 x 18	0.583	11/16	15/16	1 5/16	2	2 5/8
9/16	13/16	1 1/16	1 5/8	2 3/16	W8 x 21	0.675	11/16	7/8	1 3/16	1 13/16	2 7/16
9/16	3/4	1 1/16	1 5/8	2 1/8	W8 x 24	0.704	5/8	7/8	1 3/16	1 13/16	2 7/16
1/2	11/16	15/16	1 7/16	1 15/16	W8 x 28	0.819	9/16	3/4	1 1/16	1 5/8	2 3/16
9/16	3/4	1	1 1/2	2	W8 x 31	0.803	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	15/16	1 3/8	1 7/8	W8 x 35	0.907	9/16	3/4	1 1/16	1 9/16	2 1/16
7/16	5/8	7/8	1 5/16	1 11/16	W8 x 40	1.030	1/2	11/16	15/16	1 7/16	1 15/16
7/16	9/16	3/4	1 3/16	1 9/16	W8 x 48	1.210	1/2	5/8	7/8	1 5/16	1 3/4
3/8	1/2	11/16	1	1 3/8	W8 x 58	1.440	7/16	9/16	3/4	1 3/16	1 9/16
3/8	7/16	5/8	15/16	1 1/4	W8 x 67	1.650	3/8	1/2	11/16	1 1/16	1 7/16
3/4	1	1 3/8	2 1/16	2 13/16	W10 x 12	0.392	13/16	1 1/8	1 9/16	2 3/8	3 3/16
11/16	15/16	1 1/4	1 15/16	2 9/16	W10 x 15	0.484	3/4	1	1 7/16	2 3/16	2 7/8
5/8	7/8	1 3/16	1 13/16	2 7/16	W10 x 17	0.543	3/4	15/16	1 3/8	2 1/16	2 3/4
5/8	13/16	1 1/8	1 3/4	2 5/16	W10 x 19	0.607	11/16	15/16	1 1/4	1 15/16	2 5/8
5/8	13/16	1 1/8	1 3/4	2 5/16	W10 x 22	0.606	11/16	15/16	1 5/16	1 15/16	2 5/8
9/16	3/4	1 1/16	1 9/16	2 1/8	W10 x 26	0.708	5/8	7/8	1 3/16	1 13/16	2 3/8
9/16	3/4	1	1 1/2	2	W10 x 30	0.809	5/8	13/16	1 1/8	1 11/16	2 1/4
9/16	3/4	1	1 1/2	2	W10 x 33	0.786	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	7/8	1 3/8	1 13/16	W10 x 39	0.929	9/16	3/4	1	1 9/16	2 1/16
7/16	5/8	13/16	1 1/4	1 11/16	W10 x 45	1.060	1/2	11/16	15/16	1 7/16	1 7/8
1/2	5/8	7/8	1 5/16	1 3/4	W10 x 49	1.010	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 5/8	W10 x 54	1.110	1/2	5/8	15/16	1 3/8	1 7/8
7/16	9/16	3/4	1 1/8	1 9/16	W10 x 60	1.220	1/2	5/8	7/8	1 5/16	1 3/4
3/8	1/2	11/16	1 1/16	1 7/16	W10 x 68	1.380	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	5/8	1	1 5/16	W10 x 77	1.540	3/8	1/2	3/4	1 1/8	1 1/2
3/8	7/16	5/8	7/8	1 3/16	W10 x 88	1.740	3/8	1/2	11/16	1	1 3/8
3/8	7/16	9/16	13/16	1 1/8	W10 x 100	1.970	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	3/4	1	W10 x 112	2.170	3/8	7/16	9/16	7/8	1 1/8
3/4	1	1 3/8	2 1/16	2 3/4	W12 x 14	0.405	13/16	1 1/16	1 9/16	2 5/16	3 1/8
11/16	15/16	1 5/16	1 15/16	2 5/8	W12 x 16	0.457	13/16	1 1/16	1 7/16	2 3/16	2 15/16
5/8	7/8	1 3/16	1 13/16	2 7/16	W12 x 19	0.540	3/4	15/16	1 3/8	2 1/16	2 3/4
5/8	13/16	1 1/8	1 11/16	2 1/4	W12 x 22	0.623	11/16	7/8	1 1/4	1 15/16	2 9/16
5/8	13/16	1 1/8	1 11/16	2 5/16	W12 x 26	0.612	11/16	15/16	1 1/4	1 15/16	2 9/16
9/16	13/16	1 1/16	1 5/8	2 1/8	W12 x 30	0.699	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	3/4	1	1 1/2	2	W12 x 35	0.810	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	15/16	1 7/16	1 15/16	W12 x 40	0.860	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	5/8	7/8	1 5/16	1 3/4	W12 x 45	0.974	9/16	11/16	1	1 1/2	2
7/16	5/8	13/16	1 1/4	1 11/16	W12 x 50	1.060	1/2	11/16	15/16	1 7/16	1 7/8
1/2	5/8	7/8	1 5/16	1 3/4	W12 x 53	1.020	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 5/8	W12 x 58	1.100	1/2	11/16	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 1/4	1 5/8	W12 x 65	1.110	1/2	5/8	15/16	1 3/8	1 7/8
7/16	9/16	3/4	1 1/8	1 9/16	W12 x 72	1.230	7/16	5/8	7/8	1 5/16	1 3/4
3/8	9/16	11/16	1 1/16	1 7/16	W12 x 79	1.340	7/16	9/16	13/16	1 1/4	1 5/8
3/8	1/2	11/16	1	1 3/8	W12 x 87	1.470	7/16	9/16	3/4	1 1/8	1 1/2

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
3/8	1/2	5/8	15/16	1 1/4	W12 x 96	1.610	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	9/16	7/8	1 3/16	W12 x 106	1.770	3/8	1/2	11/16	1	1 5/16
3/8	7/16	9/16	13/16	1 1/16	W12 x 120	1.990	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	3/4	1	W12 x 136	2.230	3/8	7/16	9/16	7/8	1 1/8
3/8	3/8	7/16	11/16	15/16	W12 x 152	2.450	3/8	3/8	1/2	13/16	1 1/16
3/8	3/8	7/16	5/8	7/8	W12 x 170	2.720	3/8	3/8	1/2	3/4	15/16
3/8	3/8	3/8	5/8	13/16	W12 x 190	3.000	3/8	3/8	7/16	11/16	7/8
3/8	3/8	3/8	9/16	3/4	W12 x 210	3.270	3/8	3/8	7/16	5/8	13/16
3/8	3/8	3/8	1/2	11/16	W12 x 230	3.550	3/8	3/8	3/8	9/16	3/4
3/8	3/8	3/8	1/2	5/8	W12 x 252	3.840	3/8	3/8	3/8	9/16	3/4
3/8	3/8	3/8	7/16	5/8	W12 x 279	4.190	3/8	3/8	3/8	1/2	11/16
3/8	3/8	3/8	7/16	9/16	W12 x 305	4.490	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	3/8	9/16	W12 x 336	4.850	3/8	3/8	3/8	7/16	5/8
11/16	7/8	1 3/16	1 13/16	2 7/16	W14 x 22	0.534	3/4	1	1 3/8	2 1/16	2 3/4
5/8	13/16	1 1/8	1 11/16	2 1/4	W14 x 26	0.628	11/16	7/8	1 1/4	1 15/16	2 9/16
5/8	13/16	1 1/8	1 11/16	2 1/4	W14 x 30	0.644	11/16	7/8	1 1/4	1 7/8	2 1/2
9/16	3/4	1 1/16	1 9/16	2 1/8	W14 x 34	0.725	5/8	13/16	1 3/16	1 3/4	2 3/8
9/16	3/4	1	1 1/2	2	W14 x 38	0.809	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	15/16	1 7/16	1 7/8	W14 x 43	0.874	9/16	3/4	1 1/16	1 5/8	2 1/8
1/2	5/8	7/8	1 5/16	1 13/16	W14 x 48	0.970	9/16	11/16	1	1 1/2	2
7/16	5/8	13/16	1 1/4	1 11/16	W14 x 53	1.060	1/2	11/16	15/16	1 7/16	1 7/8
7/16	5/8	13/16	1 1/4	1 5/8	W14 x 61	1.100	1/2	11/16	15/16	1 3/8	1 7/8
7/16	9/16	3/4	1 1/8	1 9/16	W14 x 68	1.220	1/2	5/8	7/8	1 5/16	1 3/4
3/8	9/16	3/4	1 1/16	1 7/16	W14 x 74	1.320	7/16	9/16	13/16	1 1/4	1 5/8
3/8	1/2	11/16	1	1 3/8	W14 x 82	1.450	7/16	9/16	3/4	1 1/8	1 9/16
3/8	9/16	3/4	1 1/8	1 1/2	W14 x 90	1.310	7/16	9/16	13/16	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 3/8	W14 x 99	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	5/8	1	1 5/16	W14 x 109	1.570	3/8	1/2	3/4	1 1/8	1 7/16
3/8	7/16	5/8	15/16	1 1/4	W14 x 120	1.710	3/8	1/2	11/16	1	1 3/8
3/8	7/16	9/16	7/8	1 1/8	W14 x 132	1.890	3/8	7/16	5/8	15/16	1 1/4
3/8	7/16	9/16	13/16	1 1/16	W14 x 145	1.990	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	3/4	1	W14 x 159	2.160	3/8	7/16	9/16	7/8	1 1/8
3/8	3/8	1/2	11/16	15/16	W14 x 176	2.380	3/8	3/8	9/16	13/16	1 1/16
3/8	3/8	7/16	11/16	7/8	W14 x 193	2.600	3/8	3/8	1/2	3/4	1
3/8	3/8	7/16	5/8	13/16	W14 x 211	2.810	3/8	3/8	1/2	11/16	15/16
3/8	3/8	3/8	9/16	3/4	W14 x 233	3.080	3/8	3/8	7/16	11/16	7/8
3/8	3/8	3/8	9/16	3/4	W14 x 257	3.360	3/8	3/8	7/16	5/8	13/16
3/8	3/8	3/8	1/2	11/16	W14 x 283	3.660	3/8	3/8	3/8	9/16	3/4
3/8	3/8	3/8	1/2	5/8	W14 x 311	3.980	3/8	3/8	3/8	9/16	11/16
3/8	3/8	3/8	7/16	9/16	W14 x 342	4.320	3/8	3/8	3/8	1/2	11/16
3/8	3/8	3/8	7/16	9/16	W14 x 370	4.630	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	3/8	1/2	W14 x 398	4.930	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	W14 x 426	5.210	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	W14 x 455	5.530	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	7/16	W14 x 500	5.950	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	W14 x 550	6.430	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	3/8	W14 x 605	6.960	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W14 x 665	7.490	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W14 x 730	8.080	3/8	3/8	3/8	3/8	3/8
5/8	7/8	1 3/16	1 13/16	2 3/8	W16 x 26	0.558	3/4	15/16	1 5/16	2	2 11/16
5/8	13/16	1 1/16	1 5/8	2 3/16	W16 x 31	0.661	11/16	7/8	1 1/4	1 7/8	2 1/2
9/16	3/4	1 1/16	1 5/8	2 1/8	W16 x 36	0.702	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	3/4	1	1 1/2	2	W16 x 40	0.780	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	15/16	1 7/16	1 7/8	W16 x 45	0.870	9/16	3/4	1 1/16	1 5/8	2 1/8
1/2	5/8	7/8	1 5/16	1 13/16	W16 x 50	0.962	9/16	11/16	1	1 1/2	2
7/16	5/8	13/16	1 1/4	1 11/16	W16 x 57	1.090	1/2	11/16	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 1/4	1 11/16	W16 x 67	1.090	1/2	11/16	15/16	1 3/8	1 7/8
7/16	9/16	3/4	1 1/8	1 1/2	W16 x 77	1.250	7/16	5/8	7/8	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 3/8	W16 x 89	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	5/8	15/16	1 5/16	W16 x 100	1.590	3/8	1/2	3/4	1 1/16	1 7/16
9/16	13/16	1 1/16	1 5/8	2 3/16	W18 x 35	0.672	11/16	7/8	1 3/16	1 7/8	2 1/2
9/16	3/4	1	1 1/2	2 1/16	W18 x 40	0.768	5/8	13/16	1 1/8	1 11/16	2 5/16
1/2	11/16	15/16	1 7/16	1 7/8	W18 x 46	0.876	9/16	3/4	1 1/16	1 9/16	2 1/8
1/2	11/16	15/16	1 7/16	1 7/8	W18 x 50	0.880	9/16	3/4	1 1/16	1 9/16	2 1/8

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
					W18 x 55	0.963					
1/2	5/8	7/8	1 5/16	1 13/16	W18 x 60	1.040	9/16	11/16	1	1 1/2	2
7/16	5/8	13/16	1 1/4	1 11/16	W18 x 65	1.130	1/2	5/8	7/8	1 3/8	1 13/16
7/16	5/8	13/16	1 3/16	1 5/8	W18 x 71	1.220	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 1/8	1 9/16	W18 x 76	1.130	1/2	5/8	7/8	1 3/8	1 13/16
7/16	5/8	13/16	1 3/16	1 5/8	W18 x 86	1.270	7/16	5/8	13/16	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	W18 x 97	1.420	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	11/16	1 1/16	1 3/8	W18 x 106	1.550	3/8	1/2	3/4	1 1/8	1 1/2
3/8	1/2	5/8	1	1 5/16	W18 x 119	1.720	3/8	1/2	11/16	1	1 3/8
3/8	7/16	5/8	15/16	1 3/16	W21 x 44	0.746	5/8	13/16	1 1/8	1 3/4	2 5/16
9/16	3/4	1	1 9/16	2 1/16	W21 x 50	0.838	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 15/16	W21 x 57	0.952	9/16	11/16	1	1 1/2	2 1/16
1/2	11/16	7/8	1 3/8	1 13/16	W21 x 62	0.952	9/16	11/16	1	1 1/2	2 1/16
7/16	5/8	13/16	1 1/4	1 11/16	W21 x 68	1.040	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 5/8	W21 x 73	1.110	1/2	5/8	15/16	1 3/8	1 7/8
7/16	9/16	3/4	1 1/8	1 1/2	W21 x 83	1.260	7/16	5/8	13/16	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 3/8	W21 x 93	1.400	7/16	9/16	13/16	1 3/16	1 9/16
3/8	9/16	3/4	1 1/8	1 1/2	W21 x 101	1.300	7/16	9/16	13/16	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 3/8	W21 x 111	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	5/8	1	1 5/16	W21 x 122	1.570	3/8	1/2	3/4	1 1/8	1 7/16
3/8	7/16	5/8	15/16	1 1/4	W21 x 132	1.680	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	9/16	7/8	1 1/8	W21 x 147	1.870	3/8	7/16	5/8	15/16	1 5/16
1/2	11/16	15/16	1 7/16	1 15/16	W24 x 55	0.828	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	7/8	1 3/8	1 13/16	W24 x 62	0.934	9/16	3/4	1	1 9/16	2 1/16
1/2	11/16	7/8	1 3/8	1 13/16	W24 x 68	0.942	9/16	3/4	1	1 1/2	2 1/16
7/16	5/8	13/16	1 1/4	1 11/16	W24 x 76	1.050	1/2	11/16	15/16	1 7/16	1 15/16
7/16	9/16	13/16	1 3/16	1 5/8	W24 x 84	1.150	1/2	5/8	7/8	1 3/8	1 13/16
7/16	9/16	3/4	1 1/8	1 1/2	W24 x 94	1.280	7/16	5/8	13/16	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	W24 x 104	1.240	7/16	5/8	7/8	1 5/16	1 11/16
3/8	1/2	11/16	1 1/16	1 7/16	W24 x 117	1.380	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	5/8	1	1 5/16	W24 x 131	1.540	3/8	1/2	3/4	1 1/8	1 1/2
3/8	7/16	5/8	15/16	1 1/4	W24 x 146	1.700	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	9/16	7/8	1 1/8	W24 x 162	1.880	3/8	7/16	5/8	15/16	1 5/16
7/16	5/8	7/8	1 5/16	1 11/16	W27 x 84	1.030	1/2	11/16	15/16	1 7/16	1 15/16
7/16	9/16	13/16	1 3/16	1 5/8	W27 x 94	1.150	1/2	5/8	7/8	1 3/8	1 13/16
7/16	9/16	3/4	1 1/8	1 1/2	W27 x 102	1.240	7/16	5/8	7/8	1 5/16	1 11/16
3/8	1/2	11/16	1 1/16	1 7/16	W27 x 114	1.390	7/16	9/16	13/16	1 3/16	1 9/16
3/8	1/2	5/8	1	1 5/16	W27 x 129	1.560	3/8	1/2	3/4	1 1/8	1 7/16
3/8	1/2	5/8	1	1 5/16	W27 x 146	1.550	3/8	1/2	3/4	1 1/8	1 1/2
3/8	7/16	5/8	15/16	1 1/4	W27 x 161	1.700	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	9/16	7/8	1 1/8	W27 x 178	1.870	3/8	7/16	5/8	15/16	1 5/16
1/2	5/8	7/8	1 5/16	1 3/4	W30 x 90	1.020	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 3/16	1 5/8	W30 x 99	1.120	1/2	5/8	15/16	1 3/8	1 13/16
7/16	9/16	3/4	1 3/16	1 9/16	W30 x 108	1.210	1/2	5/8	7/8	1 5/16	1 3/4
3/8	9/16	3/4	1 1/8	1 1/2	W30 x 116	1.300	7/16	9/16	13/16	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 7/16	W30 x 124	1.390	7/16	9/16	13/16	1 3/16	1 9/16
3/8	1/2	11/16	1	1 3/8	W30 x 132	1.470	7/16	9/16	3/4	1 1/8	1 1/2
3/8	7/16	5/8	15/16	1 1/4	W30 x 173	1.660	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	9/16	7/8	1 1/8	W30 x 191	1.850	3/8	7/16	5/8	1	1 5/16
3/8	3/8	9/16	13/16	1 1/16	W30 x 211	2.010	3/8	7/16	5/8	15/16	1 1/4
7/16	9/16	3/4	1 3/16	1 9/16	W33 x 118	1.210	1/2	5/8	7/8	1 5/16	1 3/4
3/8	9/16	3/4	1 1/16	1 7/16	W33 x 130	1.320	7/16	9/16	13/16	1 1/4	1 5/8
3/8	1/2	11/16	1 1/16	1 3/8	W33 x 141	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	5/8	1	1 5/16	W33 x 152	1.530	3/8	1/2	3/4	1 1/8	1 1/2
3/8	7/16	5/8	15/16	1 1/4	W33 x 169	1.700	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	9/16	7/8	1 3/16	W33 x 201	1.790	3/8	1/2	11/16	1	1 5/16
3/8	7/16	9/16	13/16	1 1/8	W33 x 221	1.970	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	3/4	1 1/16	W33 x 241	2.130	3/8	7/16	9/16	7/8	1 3/16
7/16	9/16	3/4	1 1/8	1 1/2	W36 x 135	1.290	7/16	5/8	13/16	1 1/4	1 11/16
3/8	1/2	11/16	1 1/16	1 3/8	W36 x 150	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	11/16	1	1 5/16	W36 x 160	1.510	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	5/8	15/16	1 1/4	W36 x 170	1.600	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	5/8	15/16	1 3/16	W36 x 182	1.720	3/8	1/2	11/16	1	1 3/8
3/8	7/16	9/16	7/8	1 3/16	W36 x 194	1.810	3/8	1/2	11/16	1	1 5/16

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
3/8	7/16	9/16	13/16	1 1/8	W36 x 210	1.960	3/8	7/16	5/8	15/16	1 1/4
3/8	7/16	9/16	13/16	1 1/8	W36 x 230	1.950	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	13/16	1 1/16	W36 x 245	2.080	3/8	7/16	5/8	7/8	1 3/16
3/8	3/8	1/2	11/16	15/16	W36 x 256	2.370	3/8	3/8	9/16	13/16	1 1/16
3/8	3/8	1/2	3/4	1	W36 x 260	2.180	3/8	7/16	9/16	7/8	1 1/8
3/8	3/8	1/2	3/4	15/16	W36 x 280	2.350	3/8	3/8	9/16	13/16	1 1/16
3/8	3/8	7/16	11/16	15/16	W36 x 300	2.500	3/8	3/8	1/2	3/4	1 1/16
3/4	1 1/16	1 3/8	2 1/8	2 7/8	Other	0.370	7/8	1 1/8	1 9/16	2 7/16	3 1/4
3/4	1	1 3/8	2 1/8	2 13/16	Other	0.380	7/8	1 1/8	1 9/16	2 3/8	3 3/16
3/4	1	1 3/8	2 1/16	2 13/16	Other	0.390	13/16	1 1/8	1 9/16	2 3/8	3 3/16
3/4	1	1 3/8	2 1/16	2 3/4	Other	0.400	13/16	1 1/8	1 9/16	2 5/16	3 1/8
3/4	1	1 3/8	2 1/16	2 3/4	Other	0.410	13/16	1 1/16	1 1/2	2 5/16	3 1/8
3/4	1	1 5/16	2	2 3/4	Other	0.420	13/16	1 1/16	1 1/2	2 5/16	3 1/16
3/4	1	1 5/16	2	2 11/16	Other	0.430	13/16	1 1/16	1 1/2	2 1/4	3 1/16
11/16	1	1 5/16	2	2 11/16	Other	0.440	13/16	1 1/16	1 1/2	2 1/4	3
11/16	15/16	1 5/16	2	2 5/8	Other	0.450	13/16	1 1/16	1 7/16	2 1/4	3
11/16	15/16	1 5/16	1 15/16	2 5/8	Other	0.460	13/16	1 1/16	1 7/16	2 3/16	2 15/16
11/16	15/16	1 1/4	1 15/16	2 5/8	Other	0.470	3/4	1	1 7/16	2 3/16	2 15/16
11/16	15/16	1 1/4	1 15/16	2 9/16	Other	0.480	3/4	1	1 7/16	2 3/16	2 7/8
11/16	15/16	1 1/4	1 7/8	2 9/16	Other	0.490	3/4	1	1 7/16	2 1/8	2 7/8
11/16	15/16	1 1/4	1 7/8	2 1/2	Other	0.500	3/4	1	1 3/8	2 1/8	2 7/8
11/16	15/16	1 1/4	1 7/8	2 1/2	Other	0.510	3/4	1	1 3/8	2 1/8	2 13/16
11/16	7/8	1 1/4	1 7/8	2 1/2	Other	0.520	3/4	1	1 3/8	2 1/16	2 13/16
11/16	7/8	1 3/16	1 13/16	2 7/16	Other	0.530	3/4	1	1 3/8	2 1/16	2 3/4
5/8	7/8	1 3/16	1 13/16	2 7/16	Other	0.540	3/4	15/16	1 3/8	2 1/16	2 3/4
5/8	7/8	1 3/16	1 13/16	2 7/16	Other	0.550	3/4	15/16	1 5/16	2 1/16	2 3/4
5/8	7/8	1 3/16	1 13/16	2 3/8	Other	0.560	3/4	15/16	1 5/16	2	2 11/16
5/8	7/8	1 3/16	1 3/4	2 3/8	Other	0.570	11/16	15/16	1 5/16	2	2 11/16
5/8	7/8	1 3/16	1 3/4	2 3/8	Other	0.580	11/16	15/16	1 5/16	2	2 11/16
5/8	7/8	1 1/8	1 3/4	2 5/16	Other	0.590	11/16	15/16	1 5/16	2	2 5/8
5/8	7/8	1 1/8	1 3/4	2 5/16	Other	0.600	11/16	15/16	1 5/16	1 15/16	2 5/8
5/8	13/16	1 1/8	1 11/16	2 5/16	Other	0.610	11/16	15/16	1 1/4	1 15/16	2 5/8
5/8	13/16	1 1/8	1 11/16	2 5/16	Other	0.620	11/16	7/8	1 1/4	1 15/16	2 9/16
5/8	13/16	1 1/8	1 11/16	2 1/4	Other	0.630	11/16	7/8	1 1/4	1 7/8	2 9/16
5/8	13/16	1 1/8	1 11/16	2 1/4	Other	0.640	11/16	7/8	1 1/4	1 7/8	2 9/16
5/8	13/16	1 1/8	1 11/16	2 1/4	Other	0.650	11/16	7/8	1 1/4	1 7/8	2 1/2
5/8	13/16	1 1/16	1 5/8	2 3/16	Other	0.660	11/16	7/8	1 1/4	1 7/8	2 1/2
9/16	13/16	1 1/16	1 5/8	2 3/16	Other	0.670	11/16	7/8	1 3/16	1 7/8	2 1/2
9/16	13/16	1 1/16	1 5/8	2 3/16	Other	0.680	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	13/16	1 1/16	1 5/8	2 3/16	Other	0.690	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	13/16	1 1/16	1 5/8	2 1/8	Other	0.700	5/8	7/8	1 3/16	1 13/16	2 7/16
9/16	3/4	1 1/16	1 9/16	2 1/8	Other	0.710	5/8	13/16	1 3/16	1 13/16	2 3/8
9/16	3/4	1 1/16	1 9/16	2 1/8	Other	0.720	5/8	13/16	1 3/16	1 3/4	2 3/8
9/16	3/4	1 1/16	1 9/16	2 1/8	Other	0.730	5/8	13/16	1 3/16	1 3/4	2 3/8
9/16	3/4	1	1 9/16	2 1/16	Other	0.740	5/8	13/16	1 3/16	1 3/4	2 3/8
9/16	3/4	1	1 9/16	2 1/16	Other	0.750	5/8	13/16	1 1/8	1 3/4	2 5/16
9/16	3/4	1	1 1/2	2 1/16	Other	0.760	5/8	13/16	1 1/8	1 3/4	2 5/16
9/16	3/4	1	1 1/2	2 1/16	Other	0.770	5/8	13/16	1 1/8	1 11/16	2 5/16
9/16	3/4	1	1 1/2	2	Other	0.780	5/8	13/16	1 1/8	1 11/16	2 1/4
9/16	3/4	1	1 1/2	2	Other	0.790	5/8	13/16	1 1/8	1 11/16	2 1/4
9/16	3/4	1	1 1/2	2	Other	0.800	5/8	13/16	1 1/8	1 11/16	2 1/4
9/16	3/4	1	1 1/2	2	Other	0.810	5/8	13/16	1 1/8	1 11/16	2 1/4
1/2	11/16	15/16	1 7/16	1 15/16	Other	0.820	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 15/16	Other	0.830	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 15/16	Other	0.840	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 15/16	Other	0.850	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 15/16	Other	0.860	9/16	3/4	1 1/16	1 5/8	2 3/16
1/2	11/16	15/16	1 7/16	1 7/8	Other	0.870	9/16	3/4	1 1/16	1 5/8	2 1/8
1/2	11/16	15/16	1 7/16	1 7/8	Other	0.880	9/16	3/4	1 1/16	1 9/16	2 1/8
1/2	11/16	15/16	1 3/8	1 7/8	Other	0.890	9/16	3/4	1 1/16	1 9/16	2 1/8
1/2	11/16	15/16	1 3/8	1 7/8	Other	0.900	9/16	3/4	1 1/16	1 9/16	2 1/8
1/2	11/16	15/16	1 3/8	1 7/8	Other	0.910	9/16	3/4	1	1 9/16	2 1/16
1/2	11/16	15/16	1 3/8	1 13/16	Other	0.920	9/16	3/4	1	1 9/16	2 1/16
1/2	11/16	7/8	1 3/8	1 13/16	Other	0.930	9/16	3/4	1	1 9/16	2 1/16

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
					Other	0.940	9/16	3/4	1	1 1/2	2 1/16
1/2	11/16	7/8	1 3/8	1 13/16	Other	0.950	9/16	11/16	1	1 1/2	2 1/16
1/2	11/16	7/8	1 5/16	1 13/16	Other	0.960	9/16	11/16	1	1 1/2	2
1/2	5/8	7/8	1 5/16	1 13/16	Other	0.970	9/16	11/16	1	1 1/2	2
1/2	5/8	7/8	1 5/16	1 3/4	Other	0.980	9/16	11/16	1	1 1/2	2
1/2	5/8	7/8	1 5/16	1 3/4	Other	0.990	9/16	11/16	1	1 1/2	2
1/2	5/8	7/8	1 5/16	1 3/4	Other	1.000	1/2	11/16	1	1 1/2	2
1/2	5/8	7/8	1 5/16	1 3/4	Other	1.010	1/2	11/16	15/16	1 7/16	1 15/16
1/2	5/8	7/8	1 5/16	1 3/4	Other	1.020	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	7/8	1 5/16	1 11/16	Other	1.030	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.040	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.050	1/2	11/16	15/16	1 7/16	1 15/16
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.060	1/2	11/16	15/16	1 7/16	1 7/8
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.070	1/2	11/16	15/16	1 7/16	1 7/8
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.080	1/2	11/16	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 1/4	1 11/16	Other	1.090	1/2	11/16	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 1/4	1 5/8	Other	1.100	1/2	11/16	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 1/4	1 5/8	Other	1.110	1/2	5/8	15/16	1 3/8	1 7/8
7/16	5/8	13/16	1 3/16	1 5/8	Other	1.120	1/2	5/8	15/16	1 3/8	1 13/16
7/16	5/8	13/16	1 3/16	1 5/8	Other	1.130	1/2	5/8	7/8	1 3/8	1 13/16
7/16	9/16	13/16	1 3/16	1 5/8	Other	1.140	1/2	5/8	7/8	1 3/8	1 13/16
7/16	9/16	13/16	1 3/16	1 5/8	Other	1.150	1/2	5/8	7/8	1 3/8	1 13/16
7/16	9/16	13/16	1 3/16	1 9/16	Other	1.160	1/2	5/8	7/8	1 5/16	1 13/16
7/16	9/16	13/16	1 3/16	1 9/16	Other	1.170	1/2	5/8	7/8	1 5/16	1 13/16
7/16	9/16	3/4	1 3/16	1 9/16	Other	1.180	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 3/16	1 9/16	Other	1.190	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 3/16	1 9/16	Other	1.200	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 3/16	1 9/16	Other	1.210	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 1/8	1 9/16	Other	1.220	1/2	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 1/8	1 9/16	Other	1.230	7/16	5/8	7/8	1 5/16	1 3/4
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.240	7/16	5/8	7/8	1 5/16	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.250	7/16	5/8	7/8	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.260	7/16	5/8	13/16	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.270	7/16	5/8	13/16	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.280	7/16	5/8	13/16	1 1/4	1 11/16
7/16	9/16	3/4	1 1/8	1 1/2	Other	1.290	7/16	5/8	13/16	1 1/4	1 11/16
3/8	9/16	3/4	1 1/8	1 1/2	Other	1.300	7/16	9/16	13/16	1 1/4	1 11/16
3/8	9/16	3/4	1 1/8	1 1/2	Other	1.310	7/16	9/16	13/16	1 1/4	1 11/16
3/8	9/16	3/4	1 1/16	1 7/16	Other	1.320	7/16	9/16	13/16	1 1/4	1 5/8
3/8	9/16	3/4	1 1/16	1 7/16	Other	1.330	7/16	9/16	13/16	1 1/4	1 5/8
3/8	9/16	11/16	1 1/16	1 7/16	Other	1.340	7/16	9/16	13/16	1 1/4	1 5/8
3/8	9/16	11/16	1 1/16	1 7/16	Other	1.350	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	11/16	1 1/16	1 7/16	Other	1.360	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	11/16	1 1/16	1 7/16	Other	1.370	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	11/16	1 1/16	1 7/16	Other	1.380	7/16	9/16	13/16	1 3/16	1 5/8
3/8	1/2	11/16	1 1/16	1 7/16	Other	1.390	7/16	9/16	13/16	1 3/16	1 9/16
3/8	1/2	11/16	1 1/16	1 3/8	Other	1.400	7/16	9/16	13/16	1 3/16	1 9/16
3/8	1/2	11/16	1 1/16	1 3/8	Other	1.410	7/16	9/16	13/16	1 3/16	1 9/16
3/8	1/2	11/16	1 1/16	1 3/8	Other	1.420	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	11/16	1 1/16	1 3/8	Other	1.430	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	11/16	1	1 3/8	Other	1.440	7/16	9/16	3/4	1 3/16	1 9/16
3/8	1/2	11/16	1	1 3/8	Other	1.450	7/16	9/16	3/4	1 1/8	1 9/16
3/8	1/2	11/16	1	1 3/8	Other	1.460	7/16	9/16	3/4	1 1/8	1 9/16
3/8	1/2	11/16	1	1 3/8	Other	1.470	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	11/16	1	1 3/8	Other	1.480	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	11/16	1	1 3/8	Other	1.490	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	11/16	1	1 5/16	Other	1.500	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	11/16	1	1 5/16	Other	1.510	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	11/16	1	1 5/16	Other	1.520	7/16	9/16	3/4	1 1/8	1 1/2
3/8	1/2	5/8	1	1 5/16	Other	1.530	3/8	1/2	3/4	1 1/8	1 1/2
3/8	1/2	5/8	1	1 5/16	Other	1.540	3/8	1/2	3/4	1 1/8	1 1/2
3/8	1/2	5/8	1	1 5/16	Other	1.550	3/8	1/2	3/4	1 1/8	1 1/2
3/8	1/2	5/8	1	1 5/16	Other	1.560	3/8	1/2	3/4	1 1/8	1 7/16
3/8	1/2	5/8	1	1 5/16	Other	1.570	3/8	1/2	3/4	1 1/8	1 7/16

FULL FLANGE TIP THICKNESS (in.)					Member		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
					Other	1.580					
3/8	1/2	5/8	15/16	1 5/16	Other	1.590	3/8	1/2	3/4	1 1/16	1 7/16
3/8	1/2	5/8	15/16	1 5/16	Other	1.600	3/8	1/2	3/4	1 1/16	1 7/16
3/8	1/2	5/8	15/16	1 1/4	Other	1.610	3/8	1/2	11/16	1 1/16	1 7/16
3/8	1/2	5/8	15/16	1 1/4	Other	1.620	3/8	1/2	11/16	1 1/16	1 7/16
3/8	1/2	5/8	15/16	1 1/4	Other	1.630	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	5/8	15/16	1 1/4	Other	1.640	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	5/8	15/16	1 1/4	Other	1.650	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	5/8	15/16	1 1/4	Other	1.660	3/8	1/2	11/16	1 1/16	1 7/16
3/8	7/16	5/8	15/16	1 1/4	Other	1.670	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	5/8	15/16	1 1/4	Other	1.680	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	5/8	15/16	1 1/4	Other	1.690	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	5/8	15/16	1 1/4	Other	1.700	3/8	1/2	11/16	1 1/16	1 3/8
3/8	7/16	5/8	7/8	1 3/16	Other	1.750	3/8	1/2	11/16	1	1 3/8
3/8	7/16	9/16	7/8	1 3/16	Other	1.800	3/8	1/2	11/16	1	1 5/16
3/8	7/16	9/16	7/8	1 1/8	Other	1.850	3/8	7/16	5/8	1	1 5/16
3/8	7/16	9/16	7/8	1 1/8	Other	1.900	3/8	7/16	5/8	15/16	1 1/4
3/8	7/16	9/16	13/16	1 1/8	Other	1.950	3/8	7/16	5/8	15/16	1 1/4
3/8	7/16	9/16	13/16	1 1/16	Other	2.000	3/8	7/16	5/8	15/16	1 1/4
3/8	3/8	1/2	3/4	1	Other	2.250	3/8	3/8	9/16	13/16	1 1/8
3/8	3/8	7/16	11/16	15/16	Other	2.500	3/8	3/8	1/2	3/4	1 1/16
3/8	3/8	7/16	5/8	7/8	Other	2.750	3/8	3/8	1/2	3/4	15/16
3/8	3/8	3/8	5/8	13/16	Other	3.000	3/8	3/8	7/16	11/16	7/8
3/8	3/8	3/8	9/16	3/4	Other	3.250	3/8	3/8	7/16	5/8	13/16
3/8	3/8	3/8	1/2	11/16	Other	3.500	3/8	3/8	3/8	9/16	13/16
3/8	3/8	3/8	1/2	11/16	Other	3.750	3/8	3/8	3/8	9/16	3/4
3/8	3/8	3/8	1/2	5/8	Other	4.000	3/8	3/8	3/8	9/16	11/16
3/8	3/8	3/8	7/16	5/8	Other	4.250	3/8	3/8	3/8	1/2	11/16
3/8	3/8	3/8	7/16	9/16	Other	4.500	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	7/16	9/16	Other	4.750	3/8	3/8	3/8	7/16	5/8
3/8	3/8	3/8	3/8	1/2	Other	5.000	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	Other	5.250	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	Other	5.500	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	7/16	Other	5.750	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	Other	6.000	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	Other	6.250	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	Other	6.500	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other	6.750	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other	7.000	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other	8.000	3/8	3/8	3/8	3/8	3/8

The information contained in these tables are provided for the convenience of our Monokote customers and while we have taken care to be as accurate as possible and update as listings are modified, GCP will not be held responsible for errors or inaccuracies. In case of discrepancy, values from the applicable design listings and rules associated with adjustment of thickness shall govern.

This table is intended to be used in conjunction with the specified UL Design BXUV.N708. All required components specified in that UL Design shall remain a required component to achieve the hourly ratings. Only the version of UL Design BXUV.N708 as shown on UL.com is considered current.