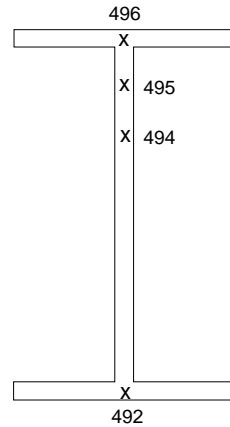


TIME MINS	TEMPERATURE IN DEGREES CENTIGRADE STEEL BEAM			
	LOWER FLANGE	WEB		UPPER FLANGE
	492	494	495	496
0.0	21	21	20	20
0.5	21	21	20	20
1.0	21	21	21	20
1.5	21	21	20	20
2.0	21	21	20	21
2.5	21	21	20	20
3.0	21	21	21	20
3.5	21	21	20	20
4.0	21	21	20	20
4.5	21	21	20	20
5.0	21	21	20	20
5.5	21	21	20	20
6.0	21	21	20	20
6.5	21	20	20	20
7.0	21	20	20	20
7.5	21	21	20	20
8.0	21	21	21	20
8.5	21	21	21	21
9.0	22	23	22	21
9.5	24	26	25	23
10.0	26	29	28	25
10.5	29	34	32	27
11.0	34	42	38	31
11.5	41	50	45	36
12.0	55	75	66	47
12.5	106	141	118	71
13.0	157	198	162	97
13.5	195	239	196	120
14.0	240	286	236	145
14.5	282	326	269	168
15.0	323	362	298	189
15.5	365	399	329	211
16.0	403	433	358	233
16.5	440	462	383	254
17.0	470	479	400	271
17.5	492	494	414	287
18.0	513	513	435	304
18.5	535	534	457	323
19.0	561	560	481	343
19.5	589	582	502	361
20.0	612	601	522	381
20.5	630	612	536	398
21.0	642	621	548	414
21.5	652	631	562	430
22.0	661	642	576	446
22.5	670	652	589	462
23.0	679	662	603	477
23.5	689	674	617	493
24.0	698	685	630	509
24.5	706	693	640	521
25.0	714	699	648	533
25.5	720	706	657	545
26.0	724	711	665	556
26.5	725	717	672	566
27.0	727	721	679	577
27.5	729	726	687	587
28.0	733	730	696	597
28.5	739	735	705	608
29.0	746	743	715	619
29.5	753	751	723	629
30.0	760	758	727	638
30.5	767	764	730	645
31.0	775	772	736	653
31.5	783	781	743	661
32.0	790	787	750	668



Temperatures On Secondary Beam On Grid Line 3 , Location B7.

Table 12.1

32.5	797	793	757	675
33.0	806	805	769	685
33.5	815	815	779	693
34.0	827	823	787	701
34.5	840	835	798	709
35.0	849	842	806	716
35.5	860	852	817	724
36.0	868	857	824	732
36.5	874	864	833	739
37.0	881	870	841	746
37.5	890	881	852	753
38.0	901	891	862	760
38.5	910	899	870	767
39.0	920	910	881	777
39.5	934	923	895	787
40.0	946	934	906	799
40.5	961	945	917	811
41.0	972	957	928	825
41.5	983	963	935	836
42.0	997	974	945	849
42.5	1006	979	952	863
43.0	1017	987	959	875
43.5	1033	997	970	888
44.0	1043	1008	981	902
44.5	1048	1014	989	914
45.0	1050	1019	996	926
45.5	1055	1025	1003	935
46.0	1058	1029	1008	944
46.5	1057	1027	1008	950
47.0	1054	1024	1006	952
47.5	1048	1017	1001	954
48.0	1039	1009	995	952
48.5	1030	1001	988	950
49.0	1018	990	979	946
49.5	1005	976	968	939
50.0	991	963	958	933
50.5	977	951	947	926
51.0	963	937	935	918
51.5	949	924	923	910
52.0	935	911	910	900
52.5	922	897	898	890
53.0	908	883	884	880
53.5	894	870	872	869
54.0	881	857	859	858
54.5	868	844	846	847
55.0	856	831	834	837
55.5	843	817	821	826
56.0	831	805	809	815
56.5	819	793	797	804
57.0	807	781	786	794
57.5	796	769	775	784
58.0	784	758	764	774
58.5	774	748	754	764
59.0	763	739	745	755
59.5	754	730	737	748
60.0	745	723	729	742
60.5	737	718	724	737
61.0	731	712	718	732
61.5	726	706	713	727
62.0	721	701	708	723
62.5	716	695	702	717
63.0	711	689	697	712
63.5	706	683	691	707
64.0	700	676	685	701
64.5	695	670	680	695
65.0	689	663	673	690
65.5	683	657	667	684
66.0	678	652	662	678
66.5	672	649	657	672
67.0	666	647	654	666

Temperatures On Secondary Beam On Grid Line 3 , Location B7.

Table 12.1

67.5	660	644	652	660
68.0	656	638	650	656
68.5	653	631	645	652
69.0	652	623	638	650
69.5	650	615	631	649
70.0	645	607	623	646
70.5	638	600	616	641
71.0	629	593	609	634
71.5	620	586	603	627
72.0	611	579	596	620
72.5	602	573	590	612
73.0	594	566	583	605
73.5	587	560	577	598
74.0	579	554	571	591
74.5	572	549	565	584
75.0	566	543	559	578
75.5	559	538	553	572
76.0	553	532	548	566
76.5	547	527	543	560
77.0	542	522	537	554
77.5	536	517	532	548
78.0	531	513	527	543
78.5	526	508	522	538
79.0	520	503	517	533
79.5	516	499	513	528
80.0	511	494	508	523
80.5	506	490	504	518
81.0	502	486	499	513
81.5	497	482	495	509
82.0	493	478	491	504
82.5	489	474	487	500
83.0	485	470	483	496
83.5	481	466	479	492
84.0	477	463	476	488
84.5	474	459	472	484
85.0	470	456	468	480
85.5	466	452	465	477
86.0	462	448	461	473
86.5	459	444	457	469
87.0	455	441	453	466
87.5	451	437	450	462
88.0	448	433	446	458
88.5	444	430	443	455
109.0	327	320	331	341
119.0	287	283	293	302
129.0	254	253	262	270
139.0	225	227	235	243
149.0	202	205	213	221
159.0	182	187	194	201
169.0	166	172	178	185
179.0	152	158	165	171
189.0	140	147	153	159
199.0	129	136	143	148
209.0	119	127	133	138
219.0	111	119	125	129
229.0	104	112	118	122
239.0	98	106	111	115
249.0	92	100	106	109
259.0	88	95	101	104
269.0	83	91	96	99
279.0	80	87	92	95
289.0	77	84	88	91
299.0	74	81	85	88
309.0	71	78	82	85
319.0	69	75	79	82
329.0	67	73	77	79
339.0	65	71	75	77
349.0	63	69	72	74
359.0	61	67	70	72
369.0	59	65	68	70

Temperatures On Secondary Beam On Grid Line 3 , Location B7.

Table 12.1

379.0	58	63	66	68
389.0	56	62	65	66
399.0	55	60	63	64
409.0	53	59	61	63
419.0	52	57	60	61
429.0	51	56	59	60
439.0	50	55	57	58
449.0	49	54	56	57
459.0	48	53	55	56
469.0	47	52	54	55
479.0	46	51	53	54
489.0	46	50	52	53
499.0	45	49	51	52
509.0	44	48	50	51
519.0	43	47	49	50
529.0	42	46	48	49
539.0	42	45	47	48
549.0	40	43	45	46
559.0	40	44	45	46
569.0	40	43	45	45
579.0	40	43	45	45
589.0	40	43	44	45
599.0	39	42	43	44
609.0	38	41	43	43
619.0	38	41	42	43
629.0	38	40	42	42
639.0	37	40	41	41
649.0	37	39	40	41
659.0	36	39	40	40
669.0	36	38	39	40
679.0	36	38	39	39
689.0	35	37	38	39
699.0	35	37	38	38
709.0	34	36	38	38
719.0	34	36	37	37
729.0	34	36	37	37
739.0	34	35	36	37
749.0	33	35	36	36
759.0	33	35	36	36
769.0	33	35	35	36
779.0	33	34	35	35
789.0	33	34	35	35
799.0	32	34	35	35
809.0	32	34	34	35
819.0	32	34	34	34
829.0	32	34	34	34