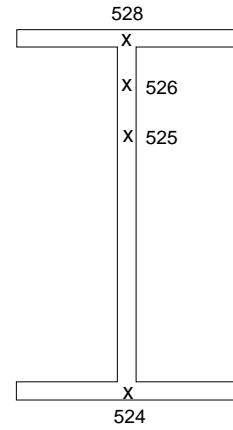


TIME MINS	TEMPERATURE IN DEGREES CENTIGRADE STEEL BEAM				ATMOS
	LOWER (W)FLANGE(E)	WEB		UPPER (W)FLANGE(E)	LOWER FLANGE(E)
	524	525	526	528	398
0.0	21	20	20	20	22
0.5	20	20	20	20	22
1.0	21	20	20	20	22
1.5	21	20	20	20	22
2.0	21	20	20	20	22
2.5	21	20	20	20	22
3.0	21	20	20	20	22
3.5	20	20	20	20	22
4.0	21	20	20	20	22
4.5	21	20	20	20	22
5.0	21	20	20	20	22
5.5	21	20	20	20	22
6.0	21	20	20	20	22
6.5	20	20	20	20	22
7.0	20	20	20	20	22
7.5	20	20	20	20	26
8.0	20	20	20	20	32
8.5	21	20	20	20	59
9.0	21	21	20	20	93
9.5	21	22	21	20	128
10.0	22	24	23	21	170
10.5	24	27	26	22	222
11.0	27	32	30	24	276
11.5	31	37	35	27	376
12.0	38	46	43	30	804
12.5	45	57	52	35	832
13.0	63	96	84	47	748
13.5	120	181	154	72	823
14.0	189	257	218	102	828
14.5	241	318	270	130	821
15.0	296	384	324	159	852
15.5	359	457	389	195	811
16.0	410	509	435	223	770
16.5	460	555	476	252	768
17.0	500	587	507	279	742
17.5	533	616	536	305	752
18.0	560	634	554	327	772
18.5	580	644	564	345	791
19.0	599	651	572	361	809
19.5	615	659	581	377	840
20.0	632	666	589	393	784
20.5	646	671	595	406	780
21.0	661	676	600	419	784
21.5	670	677	604	431	793
22.0	679	682	611	443	809
22.5	686	686	617	456	810
23.0	693	690	624	468	819
23.5	699	695	633	480	808
24.0	706	699	639	491	820
24.5	713	704	647	502	858
25.0	719	710	655	513	849
25.5	726	715	662	522	836
26.0	733	722	670	533	881
26.5	735	727	677	542	875
27.0	736	732	683	550	891
27.5	741	738	692	560	868
28.0	749	741	701	569	878
28.5	756	748	711	580	888
29.0	765	757	722	591	889
29.5	773	768	732	602	890
30.0	781	779	738	612	872
30.5	789	789	742	622	886
31.0	796	797	749	632	905
31.5	802	804	757	641	901
32.0	808	811	765	649	892



x 398

I Not Recorded

**Steel And Atmosphere Temperatures On Primary Beam  
On Grid Line E , Location B15.**

**Table 4.1**

32.5	814	818	773	657	904
33.0	819	824	780	664	903
33.5	823	829	787	671	903
34.0	829	836	795	678	901
34.5	833	841	801	685	931
35.0	839	846	807	691	935
35.5	845	849	812	697	952
36.0	854	860	822	703	977
36.5	868	871	831	710	988
37.0	883	880	840	717	1020
37.5	901	891	850	724	1058
38.0	921	900	860	730	1046
38.5	941	908	869	736	1065
39.0	963	920	880	742	1072
39.5	983	933	891	749	1078
40.0	1002	944	903	755	1070
40.5	1018	956	916	762	1064
41.0	1032	964	925	768	1053
41.5	1042	967	928	773	1055
42.0	1049	971	932	780	1046
42.5	1053	973	936	786	1041
43.0	1055	973	937	792	1037
43.5	1055	971	935	798	1032
44.0	1055	971	936	803	1029
44.5	1053	972	939	810	1022
45.0	1051	974	942	816	1025
45.5	1049	975	944	821	1026
46.0	1046	976	947	827	1020
46.5	1044	979	950	833	1005
47.0	1041	981	953	839	1012
47.5	1039	983	957	845	999
48.0	1035	985	961	851	993
48.5	1032	986	963	857	985
49.0	1027	985	964	863	974
49.5	1021	983	964	868	946
50.0	1016	983	964	872	966
50.5	1009	980	962	876	951
51.0	1004	977	960	879	961
51.5	999	974	957	881	940
52.0	992	970	955	883	940
52.5	985	968	953	884	918
53.0	977	964	950	885	903
53.5	970	959	947	885	891
54.0	960	952	941	883	883
54.5	951	944	935	882	865
55.0	942	936	928	880	857
55.5	932	927	920	877	845
56.0	921	917	912	873	817
56.5	910	908	904	868	822
57.0	900	896	894	863	816
57.5	888	885	884	858	787
58.0	879	877	876	853	774
58.5	870	868	868	848	760
59.0	860	859	860	842	758
59.5	850	849	852	836	772
60.0	841	840	843	830	762
60.5	832	833	836	824	756
61.0	825	827	830	819	746
61.5	817	821	824	814	737
62.0	811	816	819	808	726
62.5	805	811	815	804	714
63.0	799	805	809	799	688
63.5	793	799	803	796	663
64.0	789	792	796	792	651
64.5	784	782	786	788	638
65.0	780	777	781	784	643
65.5	775	769	774	780	625
66.0	770	761	767	775	623
66.5	764	754	760	770	605
67.0	759	747	754	765	598

**Steel And Atmosphere Temperatures On Primary Beam  
On Grid Line E , Location B15.**

**Table 4.1**

67.5	753	740	748	761	594
68.0	748	733	741	756	593
68.5	742	726	735	752	582
69.0	737	719	728	747	575
69.5	731	712	722	742	566
70.0	725	706	716	738	552
70.5	720	699	710	733	561
71.0	714	693	704	728	560
71.5	708	686	698	723	532
72.0	702	681	692	719	527
72.5	696	675	686	714	524
73.0	690	674	680	709	522
73.5	684	674	676	704	518
74.0	679	669	676	699	506
74.5	677	663	675	694	503
75.0	677	655	670	689	504
75.5	676	647	663	684	494
76.0	672	639	656	680	489
76.5	666	631	649	677	477
77.0	658	624	642	676	467
77.5	650	617	635	675	458
78.0	643	610	628	672	454
78.5	635	604	622	668	439
79.0	628	597	615	662	434
79.5	621	591	610	656	433
80.0	614	584	603	650	425
80.5	607	578	598	643	431
81.0	600	572	592	637	430
81.5	594	567	587	631	420
82.0	588	561	581	625	419
82.5	582	556	576	619	416
83.0	576	551	571	614	409
83.5	571	546	566	608	399
84.0	565	541	561	602	395
84.5	560	536	556	597	383
85.0	554	530	551	591	378
85.5	549	526	546	586	382
86.0	543	521	541	581	378
86.5	538	516	536	576	367
87.0	533	511	531	571	365
87.5	528	506	526	566	364
88.0	523	502	522	561	361
88.5	518	498	517	556	364
89.0	514	493	513	551	1
89.5	509	489	509	547	1
112.5	362	355	372	398	255
122.5	319	315	331	355	217
132.5	308	305	320	343	187
142.5	275	275	289	310	162
152.5	246	248	262	281	141
162.5	221	225	238	257	124
172.5	198	205	218	236	113
182.5	178	187	200	217	102
192.5	161	173	184	201	94
202.5	146	159	171	187	83
212.5	133	147	158	174	75
222.5	121	136	147	162	73
232.5	112	127	138	152	69
242.5	104	120	130	143	64
252.5	97	113	122	135	61
262.5	91	107	116	128	57
272.5	86	102	111	122	60
282.5	82	98	106	117	56
292.5	79	95	102	112	55
302.5	75	91	98	107	52
312.5	72	87	94	103	51
322.5	70	84	90	99	48
332.5	67	81	87	95	47
342.5	65	78	84	92	46
352.5	62	76	81	89	45

**Steel And Atmosphere Temperatures On Primary Beam  
On Grid Line E , Location B15.**

**Table 4.1**

362.5	61	73	79	86	42
372.5	59	71	76	83	42
382.5	57	69	74	80	41
392.5	55	67	72	78	40
402.5	54	65	69	75	39
412.5	52	63	67	73	38
422.5	51	61	65	71	36
432.5	50	60	64	69	37
442.5	49	59	62	67	37
452.5	48	57	61	66	37
462.5	47	56	59	64	35
472.5	46	55	58	62	34
482.5	45	54	57	61	33
492.5	44	53	55	60	32
502.5	43	52	54	58	32
512.5	42	51	53	57	31
522.5	42	50	52	56	31
532.5	41	49	52	55	31
542.5	40	48	51	54	30
552.5	40	47	50	53	30
562.5	39	47	49	52	29
572.5	38	46	48	51	29
582.5	39	46	49	51	30
592.5	38	46	48	51	29
602.5	38	45	47	50	29
612.5	37	44	46	49	28
622.5	37	44	46	48	28
632.5	37	43	45	48	28
642.5	36	42	44	47	28
652.5	36	42	44	46	28
662.5	35	42	43	45	27
672.5	35	41	42	45	27
682.5	35	40	42	44	27
692.5	34	40	41	44	27
702.5	34	39	41	43	26
712.5	34	39	40	42	27
722.5	33	39	40	42	27
732.5	33	38	40	41	28
742.5	33	38	39	41	29
752.5	33	38	39	41	28
762.5	33	38	39	40	29
772.5	33	37	38	40	29
782.5	33	37	38	39	29
792.5	33	37	38	39	29
802.5	33	37	38	39	28
812.5	33	36	37	38	28
822.5	33	36	37	38	28
832.5	32	36	37	38	28
842.5	32	36	36	37	
852.5	32	35	36	37	
862.5	32	35	36	37	

**Steel And Atmosphere Temperatures On Primary Beam  
On Grid Line E , Location B15.**

**Table 4.1**