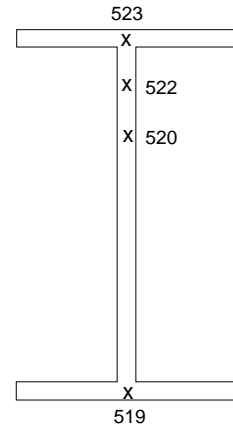


TIME MINS	TEMPERATURE IN DEGREES CENTIGRADE STEEL BEAM				ATMOS
	LOWER (W)FLANGE(E)	WEB		UPPER (W)FLANGE(E)	LOWER FLANGE(E)
	519	520	522	523	374
0.0	21	20	21	20	21
0.5	21	20	21	20	21
1.0	21	20	21	20	21
1.5	21	20	21	20	21
2.0	21	20	21	20	21
2.5	21	20	21	20	21
3.0	21	20	21	20	21
3.5	21	20	21	20	21
4.0	21	20	21	20	21
4.5	21	20	21	20	21
5.0	21	20	21	20	21
5.5	21	20	21	20	21
6.0	21	20	21	20	21
6.5	21	20	21	20	21
7.0	21	20	21	20	21
7.5	21	20	21	20	21
8.0	21	21	21	20	21
8.5	22	22	22	21	22
9.0	24	25	25	22	26
9.5	26	28	28	24	39
10.0	29	32	31	26	66
10.5	33	37	35	28	93
11.0	39	45	42	32	122
11.5	47	58	53	38	149
12.0	72	101	89	54	184
12.5	130	187	157	82	237
13.0	187	256	214	114	353
13.5	236	313	259	143	653
14.0	292	376	309	175	670
14.5	345	428	352	205	628
15.0	400	479	394	235	700
15.5	460	537	448	274	713
16.0	518	594	505	316	749
16.5	585	659	572	365	804
17.0	646	704	620	407	817
17.5	691	733	652	442	920
18.0	728	748	680	469	966
18.5	746	774	705	501	939
19.0	774	781	709	522	967
19.5	792	773	703	534	981
20.0	805	770	701	545	952
20.5	816	778	710	560	880
21.0	825	779	715	572	841
21.5	835	789	726	587	856
22.0	846	798	736	601	854
22.5	856	807	746	614	873
23.0	865	810	752	624	880
23.5	874	813	758	632	898
24.0	878	814	761	639	894
24.5	886	824	772	648	914
25.0	898	835	782	658	874
25.5	906	842	789	665	918
26.0	915	852	798	674	944
26.5	930	866	810	683	948
27.0	943	881	825	694	951
27.5	953	890	835	703	1012
28.0	964	900	847	712	994
28.5	978	913	862	723	981
29.0	990	929	881	736	1000
29.5	995	936	892	746	1024
30.0	1001	945	903	757	1042
30.5	1007	957	917	767	1009
31.0	1012	961	923	776	1032
31.5	1011	960	924	784	1046
32.0	1004	956	921	791	1037



x 374

I Not Recorded

**Steel And Atmosphere Temperatures On Primary Beam
On Grid Line E , Location B14.**

Table 3.1

32.5	997	949	916	797	1019
33.0	987	942	912	801	992
33.5	980	936	908	805	993
34.0	965	922	898	806	959
34.5	951	909	888	806	948
35.0	939	900	881	805	895
35.5	929	894	876	805	895
36.0	921	890	873	805	888
36.5	917	891	874	806	912
37.0	916	893	876	808	903
37.5	917	896	879	810	880
38.0	922	901	882	812	897
38.5	925	904	885	815	907
39.0	928	907	889	818	939
39.5	932	909	891	821	918
40.0	935	911	893	823	924
40.5	937	912	894	826	946
41.0	939	912	895	828	937
41.5	940	913	896	830	941
42.0	942	913	897	833	940
42.5	943	914	898	834	941
43.0	944	914	898	836	948
43.5	943	913	899	838	940
44.0	942	912	898	839	932
44.5	940	910	897	841	929
45.0	938	908	896	842	920
45.5	935	905	894	843	917
46.0	932	903	893	843	914
46.5	927	898	889	842	914
47.0	922	892	884	840	919
47.5	915	886	878	838	904
48.0	907	879	872	835	896
48.5	899	872	866	832	890
49.0	892	864	859	828	880
49.5	884	857	853	825	872
50.0	877	851	847	821	862
50.5	869	843	840	816	853
51.0	861	836	833	811	849
51.5	854	829	826	806	840
52.0	846	821	819	801	833
52.5	838	814	812	796	828
53.0	831	806	805	791	822
53.5	823	798	798	785	813
54.0	815	790	790	780	801
54.5	806	782	783	775	794
55.0	798	774	775	769	786
55.5	790	766	768	764	775
56.0	783	758	761	760	767
56.5	775	752	756	755	757
57.0	767	748	753	751	746
57.5	761	744	749	747	737
58.0	755	740	745	743	734
58.5	751	735	740	739	725
59.0	747	731	735	735	719
59.5	744	726	731	731	707
60.0	740	721	726	727	703
60.5	736	716	721	723	698
61.0	732	712	716	719	689
61.5	728	707	712	715	685
62.0	724	703	707	711	681
62.5	720	698	702	707	677
63.0	717	693	698	702	670
63.5	712	687	692	698	663
64.0	708	682	687	694	659
64.5	704	676	682	689	648
65.0	699	671	677	685	640
65.5	694	665	672	680	634
66.0	690	660	667	676	629
66.5	685	654	662	672	625
67.0	680	649	656	667	614

**Steel And Atmosphere Temperatures On Primary Beam
On Grid Line E , Location B14.**

Table 3.1

67.5	675	645	651	662	611
68.0	670	645	647	658	604
68.5	665	644	645	654	599
69.0	660	641	645	650	597
69.5	655	637	644	648	590
70.0	652	630	641	646	586
70.5	651	624	636	644	581
71.0	651	618	630	642	575
71.5	651	612	623	639	574
72.0	647	606	617	635	566
72.5	642	600	612	631	562
73.0	636	595	607	627	554
73.5	629	589	602	622	548
74.0	621	584	597	617	545
74.5	614	578	591	612	539
75.0	607	573	586	607	529
75.5	600	567	581	602	515
76.0	594	563	576	597	511
76.5	588	557	571	592	507
77.0	581	552	566	587	500
77.5	575	547	561	582	494
78.0	569	542	556	577	484
78.5	563	537	551	572	477
79.0	558	532	546	567	471
79.5	552	527	542	562	469
80.0	546	522	537	558	458
80.5	541	518	533	553	452
81.0	536	514	528	549	447
81.5	531	509	524	544	446
82.0	526	505	519	540	443
82.5	521	500	515	535	437
83.0	516	496	511	531	433
83.5	511	492	507	527	422
84.0	507	488	503	523	420
84.5	502	484	498	519	414
85.0	497	480	494	515	409
85.5	493	475	490	511	401
86.0	488	471	486	507	396
86.5	484	467	482	503	388
87.0	479	463	478	499	384
87.5	475	459	474	495	379
88.0	470	455	470	491	372
88.5	466	451	467	488	369
89.0					361
89.5					357
109.0	341	339	353	371	230
119.0	299	300	313	330	197
129.0	265	268	281	297	188
139.0	236	241	254	268	169
149.0	213	220	232	245	146
159.0	193	200	213	225	131
169.0	176	183	196	208	118
179.0	161	169	181	192	107
189.0	148	158	168	179	99
199.0	137	147	157	167	91
209.0	126	136	147	157	84
219.0	118	129	138	147	78
229.0	110	121	130	139	73
239.0	103	115	123	131	69
249.0	97	109	116	124	66
259.0	92	103	111	118	63
269.0	88	99	106	113	61
279.0	84	93	101	108	59
289.0	81	91	97	103	56
299.0	78	87	93	99	55
309.0	75	84	90	95	53
319.0	72	81	87	92	51
329.0	70	79	84	89	50
339.0	68	76	81	86	48
349.0	66	74	78	83	47

**Steel And Atmosphere Temperatures On Primary Beam
On Grid Line E , Location B14.**

Table 3.1

359.0	64	70	76	81	45
369.0	62	70	74	78	45
379.0	60	68	72	76	44
389.0	59	66	70	74	43
399.0	57	62	68	72	42
409.0	56	62	66	70	42
419.0	55	61	65	68	41
429.0	54	58	63	66	40
439.0	52	57	62	65	40
449.0	51	55	60	63	39
459.0	50	54	59	62	38
469.0	49	53	58	60	37
479.0	49	54	56	59	37
489.0	48	51	55	58	37
499.0	47	50	54	57	37
509.0	46	49	53	55	36
519.0	45	48	52	54	36
529.0	45	47	51	53	35
539.0	44	46	50	52	35
549.0	42	45	48	50	34
559.0	43	44	48	50	33
569.0	42	44	47	49	33
579.0	42	45	47	49	33
589.0	41	45	47	48	33
599.0	41	44	46	48	33
609.0	40	43	45	47	33
619.0	40	43	44	46	32
629.0	39	35	44	45	31
639.0	39	23	43	44	31
649.0	38	41	42	44	31
659.0	38	16	42	43	30
669.0	37	9	41	42	30
679.0	37	24	41	42	30
689.0	36	38	40	41	30
699.0	36	38	39	41	30
709.0	35	37	39	40	29
719.0	35	35	39	40	30
729.0	35	39	38	39	29
739.0	35	35	38	39	29
749.0	34	36	37	38	29
759.0	34	36	37	38	29
769.0	34	35	36	37	29
779.0	33	35	36	37	29
789.0	33	33	36	37	29
799.0	33	34	36	36	29
809.0	33	34	35	36	28
819.0	33	34	35	36	29
829.0	33	34	35	36	29

**Steel And Atmosphere Temperatures On Primary Beam
On Grid Line E , Location B14.**

Table 3.1