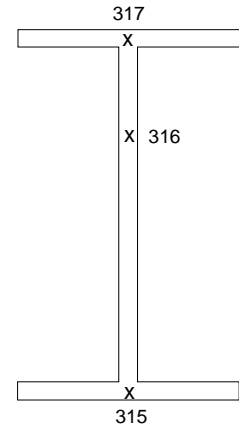


		TEMPERATURE IN DEGREES CENTIGRADE						
		STEEL BEAM						
TIME MINS	LOWER		WEB		UPPER			
	(S)	FLANGE(N)			(S)	FLANGE (N)		
	315		316		317			
0.0	*	28	*	28	*	27	*	*
0.5	*	28	*	28	*	27	*	*
1.0	*	28	*	28	*	27	*	*
1.5	*	28	*	28	*	27	*	*
2.0	*	28	*	28	*	27	*	*
2.5	*	28	*	28	*	27	*	*
3.0	*	28	*	28	*	27	*	*
3.5	*	28	*	28	*	28	*	*
4.0	*	28	*	28	*	28	*	*
4.5	*	28	*	28	*	28	*	*
5.0	*	28	*	28	*	28	*	*
5.5	*	28	*	28	*	28	*	*
6.0	*	28	*	28	*	28	*	*
6.5	*	28	*	28	*	28	*	*
7.0	*	28	*	28	*	28	*	*
7.5	*	28	*	28	*	28	*	*
8.0	*	28	*	28	*	28	*	*
8.5	*	28	*	28	*	28	*	*
9.0	*	28	*	28	*	28	*	*
9.5	*	28	*	28	*	28	*	*
10.0	*	28	*	28	*	28	*	*
10.5	*	28	*	28	*	28	*	*
11.0	*	28	*	28	*	28	*	*
11.5	*	28	*	28	*	28	*	*
12.0	*	28	*	28	*	28	*	*
12.5	*	28	*	28	*	28	*	*
13.0	*	28	*	28	*	28	*	*
13.5	*	28	*	28	*	28	*	*
14.0	*	28	*	28	*	28	*	*
14.5	*	28	*	28	*	28	*	*
15.0	*	28	*	28	*	28	*	*
15.5	*	28	*	28	*	28	*	*
16.0	*	28	*	30	*	28	*	*
16.5	*	30	*	34	*	29	*	*
17.0	*	34	*	40	*	32	*	*
17.5	*	38	*	46	*	35	*	*
18.0	*	43	*	52	*	40	*	*
18.5	*	47	*	58	*	44	*	*
19.0	*	53	*	65	*	48	*	*
19.5	*	59	*	75	*	54	*	*
20.0	*	67	*	87	*	60	*	*
20.5	*	76	*	100	*	67	*	*
21.0	*	87	*	112	*	74	*	*
21.5	*	99	*	128	*	82	*	*
22.0	*	111	*	141	*	90	*	*
22.5	*	125	*	157	*	100	*	*
23.0	*	138	*	172	*	108	*	*
23.5	*	151	*	185	*	117	*	*
24.0	*	166	*	202	*	128	*	*
24.5	*	182	*	221	*	139	*	*
25.0	*	199	*	238	*	150	*	*
25.5	*	216	*	255	*	161	*	*
26.0	*	233	*	271	*	172	*	*
26.5	*	249	*	286	*	183	*	*
27.0	*	265	*	299	*	194	*	*
27.5	*	278	*	312	*	203	*	*
28.0	*	292	*	322	*	213	*	*
28.5	*	304	*	331	*	221	*	*
29.0	*	315	*	340	*	231	*	*
29.5	*	326	*	348	*	238	*	*
30.0	*	335	*	350	*	244	*	*
30.5	*	339	*	348	*	248	*	*
31.0	*	344	*	347	*	251	*	*
31.5	*	346	*	346	*	255	*	*
32.0	*	350	*	347	*	257	*	*



* Not Measured

Temperatures On Secondary Beam On Grid Line 2, Location E.

Table 31.1

32.5	*	354	*	*	348	*	*	*	262	*	*
33.0	*	357	*	*	349	*	*	*	265	*	*
33.5	*	362	*	*	352	*	*	*	269	*	*
34.0	*	365	*	*	354	*	*	*	272	*	*
34.5	*	368	*	*	355	*	*	*	274	*	*
35.0	*	370	*	*	355	*	*	*	276	*	*
35.5	*	371	*	*	355	*	*	*	278	*	*
36.0	*	373	*	*	355	*	*	*	281	*	*
36.5	*	375	*	*	357	*	*	*	283	*	*
37.0	*	378	*	*	358	*	*	*	285	*	*
37.5	*	380	*	*	360	*	*	*	287	*	*
38.0	*	382	*	*	362	*	*	*	290	*	*
38.5	*	384	*	*	363	*	*	*	292	*	*
39.0	*	386	*	*	365	*	*	*	295	*	*
39.5	*	388	*	*	368	*	*	*	296	*	*
40.0	*	391	*	*	370	*	*	*	300	*	*
40.5	*	394	*	*	373	*	*	*	301	*	*
41.0	*	396	*	*	376	*	*	*	304	*	*
41.5	*	399	*	*	379	*	*	*	307	*	*
42.0	*	402	*	*	384	*	*	*	309	*	*
42.5	*	406	*	*	388	*	*	*	314	*	*
43.0	*	411	*	*	393	*	*	*	317	*	*
43.5	*	415	*	*	397	*	*	*	320	*	*
44.0	*	419	*	*	400	*	*	*	323	*	*
44.5	*	422	*	*	404	*	*	*	327	*	*
45.0	*	426	*	*	408	*	*	*	330	*	*
45.5	*	429	*	*	412	*	*	*	332	*	*
46.0	*	432	*	*	416	*	*	*	336	*	*
46.5	*	436	*	*	420	*	*	*	339	*	*
47.0	*	441	*	*	425	*	*	*	343	*	*
47.5	*	445	*	*	430	*	*	*	347	*	*
48.0	*	450	*	*	436	*	*	*	351	*	*
48.5	*	457	*	*	444	*	*	*	357	*	*
49.0	*	465	*	*	453	*	*	*	363	*	*
49.5	*	474	*	*	465	*	*	*	370	*	*
50.0	*	485	*	*	478	*	*	*	377	*	*
50.5	*	496	*	*	493	*	*	*	387	*	*
51.0	*	509	*	*	508	*	*	*	395	*	*
51.5	*	521	*	*	521	*	*	*	405	*	*
52.0	*	533	*	*	534	*	*	*	415	*	*
52.5	*	545	*	*	546	*	*	*	425	*	*
53.0	*	554	*	*	554	*	*	*	433	*	*
53.5	*	564	*	*	564	*	*	*	441	*	*
54.0	*	573	*	*	572	*	*	*	450	*	*
54.5	*	581	*	*	579	*	*	*	456	*	*
55.0	*	585	*	*	582	*	*	*	462	*	*
55.5	*	590	*	*	585	*	*	*	468	*	*
56.0	*	594	*	*	587	*	*	*	473	*	*
56.5	*	598	*	*	590	*	*	*	478	*	*
57.0	*	601	*	*	594	*	*	*	484	*	*
57.5	*	605	*	*	597	*	*	*	489	*	*
58.0	*	609	*	*	601	*	*	*	494	*	*
58.5	*	613	*	*	605	*	*	*	499	*	*
59.0	*	616	*	*	609	*	*	*	503	*	*
59.5	*	621	*	*	615	*	*	*	510	*	*
60.0	*	628	*	*	623	*	*	*	516	*	*
60.5	*	634	*	*	631	*	*	*	522	*	*
61.0	*	644	*	*	643	*	*	*	532	*	*
61.5	*	654	*	*	654	*	*	*	540	*	*
62.0	*	664	*	*	664	*	*	*	548	*	*
62.5	*	674	*	*	674	*	*	*	557	*	*
63.0	*	684	*	*	683	*	*	*	566	*	*
63.5	*	696	*	*	697	*	*	*	578	*	*
64.0	*	717	*	*	722	*	*	*	596	*	*
64.5	*	734	*	*	739	*	*	*	616	*	*
65.0	*	752	*	*	758	*	*	*	634	*	*
65.5	*	777	*	*	780	*	*	*	649	*	*
66.0	*	801	*	*	796	*	*	*	660	*	*
66.5	*	825	*	*	811	*	*	*	672	*	*
67.0	*	855	*	*	833	*	*	*	688	*	*

Temperatures On Secondary Beam On Grid Line 2, Location E.

Table 31.1

67.5	*	880	*	*	851	*	*	*	700	*	*
68.0	*	902	*	*	872	*	*	*	716	*	*
68.5	*	920	*	*	887	*	*	*	729	*	*
69.0	*	934	*	*	902	*	*	*	742	*	*
69.5	*	947	*	*	915	*	*	*	753	*	*
70.0	*	957	*	*	925	*	*	*	764	*	*
70.5	*	968	*	*	938	*	*	*	777	*	*
71.0	*	978	*	*	948	*	*	*	789	*	*
71.5	*	986	*	*	957	*	*	*	804	*	*
72.0	*	992	*	*	965	*	*	*	817	*	*
72.5	*	998	*	*	972	*	*	*	829	*	*
73.0	*	1003	*	*	977	*	*	*	842	*	*
73.5	*	1008	*	*	983	*	*	*	856	*	*
74.0	*	1012	*	*	989	*	*	*	869	*	*
74.5	*	1015	*	*	990	*	*	*	878	*	*
75.0	*	1016	*	*	993	*	*	*	887	*	*
75.5	*	1019	*	*	995	*	*	*	895	*	*
76.0	*	1020	*	*	994	*	*	*	901	*	*
76.5	*	1021	*	*	996	*	*	*	906	*	*
77.0	*	1020	*	*	997	*	*	*	910	*	*
77.5	*	1019	*	*	996	*	*	*	914	*	*
78.0	*	1019	*	*	996	*	*	*	917	*	*
78.5	*	1017	*	*	994	*	*	*	919	*	*
79.0	*	1014	*	*	992	*	*	*	921	*	*
79.5	*	1013	*	*	992	*	*	*	922	*	*
80.0	*	1010	*	*	990	*	*	*	923	*	*
80.5	*	1007	*	*	987	*	*	*	923	*	*
81.0	*	1002	*	*	983	*	*	*	922	*	*
81.5	*	999	*	*	980	*	*	*	921	*	*
82.0	*	996	*	*	977	*	*	*	920	*	*
82.5	*	992	*	*	974	*	*	*	919	*	*
83.0	*	988	*	*	968	*	*	*	916	*	*
83.5	*	982	*	*	960	*	*	*	914	*	*
84.0	*	975	*	*	953	*	*	*	910	*	*
84.5	*	969	*	*	945	*	*	*	905	*	*
85.0	*	961	*	*	937	*	*	*	901	*	*
85.5	*	954	*	*	930	*	*	*	897	*	*
86.0	*	946	*	*	923	*	*	*	891	*	*
86.5	*	938	*	*	915	*	*	*	886	*	*
87.0	*	930	*	*	907	*	*	*	879	*	*
87.5	*	920	*	*	896	*	*	*	872	*	*
88.0	*	909	*	*	886	*	*	*	865	*	*
88.5	*	900	*	*	877	*	*	*	857	*	*
89.0	*	890	*	*	868	*	*	*	850	*	*
89.5	*	881	*	*	859	*	*	*	842	*	*
90.0	*	872	*	*	851	*	*	*	835	*	*
90.5	*	864	*	*	844	*	*	*	828	*	*
91.0	*	856	*	*	836	*	*	*	821	*	*
91.5	*	848	*	*	828	*	*	*	815	*	*
92.0	*	840	*	*	821	*	*	*	808	*	*
92.5	*	833	*	*	814	*	*	*	801	*	*
93.0	*	825	*	*	807	*	*	*	795	*	*
93.5	*	818	*	*	800	*	*	*	789	*	*
94.0	*	812	*	*	793	*	*	*	783	*	*
94.5	*	804	*	*	786	*	*	*	777	*	*
95.0	*	798	*	*	779	*	*	*	771	*	*
95.5	*	791	*	*	773	*	*	*	767	*	*
96.0	*	784	*	*	766	*	*	*	762	*	*
96.5	*	778	*	*	760	*	*	*	757	*	*
97.0	*	771	*	*	755	*	*	*	752	*	*
97.5	*	765	*	*	749	*	*	*	748	*	*
98.0	*	759	*	*	744	*	*	*	744	*	*
98.5	*	754	*	*	739	*	*	*	738	*	*
99.0	*	748	*	*	733	*	*	*	734	*	*
99.5	*	744	*	*	727	*	*	*	729	*	*
100.0	*	739	*	*	722	*	*	*	725	*	*
100.5	*	735	*	*	717	*	*	*	720	*	*
101.0	*	731	*	*	712	*	*	*	715	*	*
101.5	*	726	*	*	707	*	*	*	711	*	*
102.0	*	722	*	*	701	*	*	*	707	*	*

Temperatures On Secondary Beam On Grid Line 2, Location E.

Table 31.1

102.5	*	718	*	*	696	*	*	*	*	703	*	*
103.0	*	713	*	*	690	*	*	*	*	698	*	*
103.5	*	708	*	*	684	*	*	*	*	693	*	*
104.0	*	703	*	*	680	*	*	*	*	689	*	*
104.5	*	699	*	*	674	*	*	*	*	684	*	*
105.0	*	694	*	*	668	*	*	*	*	679	*	*
105.5	*	690	*	*	663	*	*	*	*	674	*	*
106.0	*	684	*	*	657	*	*	*	*	670	*	*
106.5	*	680	*	*	653	*	*	*	*	666	*	*
107.0	*	675	*	*	651	*	*	*	*	662	*	*
107.5	*	670	*	*	649	*	*	*	*	658	*	*
108.0	*	666	*	*	647	*	*	*	*	655	*	*
108.5	*	661	*	*	643	*	*	*	*	652	*	*
109.0	*	657	*	*	637	*	*	*	*	650	*	*
109.5	*	654	*	*	631	*	*	*	*	647	*	*
110.0	*	651	*	*	626	*	*	*	*	643	*	*
110.5	*	649	*	*	620	*	*	*	*	639	*	*
111.0	*	648	*	*	614	*	*	*	*	635	*	*
111.5	*	645	*	*	609	*	*	*	*	631	*	*
112.0	*	641	*	*	604	*	*	*	*	627	*	*
112.5	*	636	*	*	600	*	*	*	*	622	*	*
113.0	*	630	*	*	595	*	*	*	*	617	*	*
113.5	*	624	*	*	590	*	*	*	*	613	*	*
114.0	*	618	*	*	586	*	*	*	*	608	*	*
114.5	*	613	*	*	582	*	*	*	*	603	*	*
115.0	*	607	*	*	578	*	*	*	*	599	*	*
115.5	*	602	*	*	574	*	*	*	*	594	*	*
116.0	*	598	*	*	569	*	*	*	*	590	*	*
116.5	*	592	*	*	565	*	*	*	*	585	*	*
117.0	*	588	*	*	562	*	*	*	*	581	*	*
117.5	*	584	*	*	557	*	*	*	*	576	*	*
118.0	*	579	*	*	553	*	*	*	*	572	*	*
118.5	*	575	*	*	549	*	*	*	*	568	*	*
119.0	*	570	*	*	545	*	*	*	*	564	*	*
119.5	*	566	*	*	542	*	*	*	*	560	*	*
120.0	*	562	*	*	538	*	*	*	*	555	*	*
120.5	*	558	*	*	535	*	*	*	*	551	*	*
121.0	*	554	*	*	531	*	*	*	*	547	*	*
121.5	*	550	*	*	526	*	*	*	*	544	*	*
122.0	*	546	*	*	523	*	*	*	*	540	*	*
122.5	*	542	*	*	519	*	*	*	*	536	*	*
123.0	*	539	*	*	516	*	*	*	*	533	*	*
123.5	*	535	*	*	512	*	*	*	*	530	*	*
124.0	*	532	*	*	509	*	*	*	*	526	*	*
124.5	*	528	*	*	506	*	*	*	*	522	*	*
125.0	*	525	*	*	503	*	*	*	*	518	*	*
125.5	*	522	*	*	500	*	*	*	*	515	*	*
126.0	*	519	*	*	496	*	*	*	*	512	*	*
126.5	*	515	*	*	493	*	*	*	*	509	*	*
127.0	*	512	*	*	490	*	*	*	*	506	*	*
127.5	*	509	*	*	487	*	*	*	*	502	*	*
128.0	*	505	*	*	484	*	*	*	*	500	*	*
128.5	*	502	*	*	481	*	*	*	*	497	*	*
129.0	*	499	*	*	478	*	*	*	*	494	*	*
129.5	*	496	*	*	475	*	*	*	*	491	*	*
130.0	*	493	*	*	472	*	*	*	*	488	*	*
130.5	*	490	*	*	469	*	*	*	*	485	*	*
131.0	*	487	*	*	466	*	*	*	*	483	*	*
131.5	*	484	*	*	464	*	*	*	*	480	*	*
132.0	*	482	*	*	461	*	*	*	*	477	*	*
132.5	*	478	*	*	458	*	*	*	*	474	*	*
133.0	*	476	*	*	455	*	*	*	*	471	*	*
133.5	*	472	*	*	452	*	*	*	*	469	*	*
134.0	*	469	*	*	449	*	*	*	*	467	*	*
134.5	*	466	*	*	446	*	*	*	*	464	*	*
135.0	*	463	*	*	443	*	*	*	*	461	*	*
135.5	*	461	*	*	440	*	*	*	*	458	*	*
136.0	*	458	*	*	438	*	*	*	*	456	*	*
136.5	*	455	*	*	435	*	*	*	*	454	*	*
137.0	*	451	*	*	432	*	*	*	*	451	*	*

Temperatures On Secondary Beam On Grid Line 2, Location E.

Table 31.1

137.5	*	449	*	*	429	*	*	*	*	448	*	*
138.0	*	446	*	*	427	*	*	*	*	445	*	*
138.5	*	443	*	*	424	*	*	*	*	443	*	*
139.0	*	440	*	*	421	*	*	*	*	440	*	*
139.5	*	437	*	*	419	*	*	*	*	437	*	*
140.0	*	434	*	*	416	*	*	*	*	435	*	*
140.5	*	432	*	*	413	*	*	*	*	433	*	*
141.0	*	428	*	*	411	*	*	*	*	430	*	*
141.5	*	426	*	*	409	*	*	*	*	428	*	*
142.0	*	423	*	*	405	*	*	*	*	425	*	*
142.5	*	420	*	*	403	*	*	*	*	422	*	*
143.0	*	418	*	*	400	*	*	*	*	420	*	*
143.5	*	415	*	*	398	*	*	*	*	418	*	*
144.0	*	411	*	*	395	*	*	*	*	415	*	*
144.5	*	409	*	*	393	*	*	*	*	412	*	*
145.0	*	407	*	*	390	*	*	*	*	410	*	*
145.5	*	403	*	*	388	*	*	*	*	407	*	*
146.0	*	401	*	*	385	*	*	*	*	405	*	*
146.5	*	398	*	*	383	*	*	*	*	403	*	*
147.0	*	396	*	*	380	*	*	*	*	400	*	*
147.5	*	393	*	*	378	*	*	*	*	398	*	*
148.0	*	390	*	*	376	*	*	*	*	396	*	*
148.5	*	387	*	*	372	*	*	*	*	394	*	*
149.0	*	385	*	*	371	*	*	*	*	391	*	*
149.5	*	382	*	*	368	*	*	*	*	389	*	*
150.0	*	379	*	*	365	*	*	*	*	387	*	*
150.5	*	376	*	*	363	*	*	*	*	384	*	*
151.0	*	374	*	*	361	*	*	*	*	382	*	*
151.5	*	372	*	*	359	*	*	*	*	380	*	*
152.0	*	369	*	*	356	*	*	*	*	378	*	*
152.5	*	366	*	*	354	*	*	*	*	375	*	*
153.0	*	364	*	*	352	*	*	*	*	373	*	*
153.5	*	361	*	*	350	*	*	*	*	371	*	*
154.0	*	359	*	*	348	*	*	*	*	369	*	*
154.5	*	357	*	*	345	*	*	*	*	367	*	*
155.0	*	354	*	*	343	*	*	*	*	365	*	*
155.5	*	352	*	*	341	*	*	*	*	362	*	*
161.0	*	327	*	*	318	*	*	*	*	340	*	*
171.0	*	285	*	*	282	*	*	*	*	305	*	*
181.0	*	250	*	*	252	*	*	*	*	272	*	*
191.0	*	221	*	*	228	*	*	*	*	247	*	*
201.0	*	197	*	*	206	*	*	*	*	225	*	*
211.0	*	178	*	*	188	*	*	*	*	206	*	*
747.5	*	42	*	*	43	*	*	*	*	45	*	*
757.5	*	42	*	*	43	*	*	*	*	44	*	*
767.5	*	41	*	*	43	*	*	*	*	44	*	*
777.5	*	41	*	*	42	*	*	*	*	44	*	*
787.5	*	41	*	*	42	*	*	*	*	43	*	*
797.5	*	41	*	*	42	*	*	*	*	42	*	*
807.5	*	40	*	*	41	*	*	*	*	42	*	*
817.5	*	39	*	*	40	*	*	*	*	42	*	*

Temperatures On Secondary Beam On Grid Line 2, Location E.

Table 31.1

