

TEMPERATURE IN DEGREES CENTIGRADE											
STEEL BEAM											
TIME MINS	LOWER		WEB			UPPER					
	(W)	FLANGE (E)	262	263	264	265	(W)	FLANGE	(E)		
								266			
0.0	*	28	*	28	28		*	*	28	*	*
0.5	*	28	*	28	28		*	*	28	*	*
1.0	*	28	*	28	28		*	*	28	*	*
1.5	*	28	*	28	28		*	*	28	*	*
2.0	*	28	*	28	28		*	*	28	*	*
2.5	*	28	*	28	28		*	*	28	*	*
3.0	*	28	*	28	28		*	*	28	*	*
3.5	*	28	*	28	28		*	*	28	*	*
4.0	*	28	*	28	28		*	*	28	*	*
4.5	*	28	*	28	28		*	*	28	*	*
5.0	*	28	*	28	28		*	*	28	*	*
5.5	*	28	*	28	28		*	*	28	*	*
6.0	*	28	*	28	28		*	*	28	*	*
6.5	*	28	*	28	28		*	*	28	*	*
7.0	*	28	*	28	28		*	*	28	*	*
7.5	*	28	*	28	28		*	*	28	*	*
8.0	*	28	*	28	28		*	*	28	*	*
8.5	*	28	*	28	28		*	*	28	*	*
9.0	*	28	*	28	28		*	*	28	*	*
9.5	*	28	*	28	28		*	*	28	*	*
10.0	*	28	*	28	28		*	*	28	*	*
10.5	*	28	*	28	28		*	*	28	*	*
11.0	*	28	*	28	28		*	*	28	*	*
11.5	*	28	*	28	28		*	*	28	*	*
12.0	*	28	*	28	28		*	*	28	*	*
12.5	*	28	*	28	28		*	*	28	*	*
13.0	*	28	*	28	28		*	*	28	*	*
13.5	*	28	*	28	28		*	*	28	*	*
14.0	*	28	*	28	28		*	*	28	*	*
14.5	*	29	*	29	29		*	*	29	*	*
15.0	*	29	*	29	29		*	*	29	*	*
15.5	*	29	*	29	29		*	*	29	*	*
16.0	*	29	*	29	29		*	*	29	*	*
16.5	*	29	*	29	29		*	*	29	*	*
17.0	*	29	*	32	33		*	*	29	*	*
17.5	*	31	*	36	36		*	*	31	*	*
18.0	*	34	*	41	41		*	*	33	*	*
18.5	*	38	*	48	46		*	*	36	*	*
19.0	*	42	*	53	52		*	*	40	*	*
19.5	*	47	*	60	58		*	*	44	*	*
20.0	*	52	*	64	63		*	*	47	*	*
20.5	*	57	*	71	69		*	*	50	*	*
21.0	*	62	*	79	76		*	*	54	*	*
21.5	*	66	*	87	83		*	*	58	*	*
22.0	*	72	*	96	92		*	*	62	*	*
22.5	*	79	*	104	100		*	*	65	*	*
23.0	*	87	*	113	107		*	*	71	*	*
23.5	*	94	*	120	114		*	*	76	*	*
24.0	*	101	*	129	122		*	*	81	*	*
24.5	*	109	*	138	131		*	*	85	*	*
25.0	*	117	*	148	139		*	*	91	*	*
25.5	*	125	*	158	148		*	*	96	*	*
26.0	*	133	*	167	156		*	*	101	*	*
26.5	*	141	*	175	164		*	*	105	*	*
27.0	*	149	*	184	171		*	*	110	*	*
27.5	*	158	*	192	178		*	*	115	*	*
28.0	*	165	*	200	184		*	*	119	*	*
28.5	*	173	*	207	191		*	*	123	*	*
29.0	*	180	*	215	198		*	*	128	*	*
29.5	*	188	*	224	205		*	*	134	*	*
30.0	*	197	*	233	213		*	*	139	*	*
30.5	*	205	*	241	221		*	*	145	*	*
31.0	*	212	*	248	227		*	*	149	*	*
31.5	*	219	*	255	233		*	*	154	*	*
32.0	*	227	*	262	239		*	*	159	*	*

Temperatures On Primary Beam On Grid Line E, Location J.

Table 4.1

32.5	*	235	*	271	247		*	*	*	165	*	*
33.0	*	244	*	280	256		*	*	*	171	*	*
33.5	*	253	*	290	265		*	*	*	177	*	*
34.0	*	261	*	296	270		*	*	*	183	*	*
34.5	*	267	*	301	275		*	*	*	187	*	*
35.0	*	273	*	304	278		*	*	*	190	*	*
35.5	*	279	*	309	281		*	*	*	195	*	*
36.0	*	285	*	315	287		*	*	*	200	*	*
36.5	*	292	*	320	292		*	*	*	205	*	*
37.0	*	299	*	327	299		*	*	*	210	*	*
37.5	*	305	*	332	303		*	*	*	212	*	*
38.0	*	311	*	338	310		*	*	*	216	*	*
38.5	*	317	*	342	313		*	*	*	219	*	*
39.0	*	322	*	346	317		*	*	*	223	*	*
39.5	*	328	*	351	322		*	*	*	228	*	*
40.0	*	334	*	357	327		*	*	*	234	*	*
40.5	*	340	*	361	332		*	*	*	238	*	*
41.0	*	345	*	366	336		*	*	*	242	*	*
41.5	*	351	*	372	342		*	*	*	247	*	*
42.0	*	358	*	380	349		*	*	*	253	*	*
42.5	*	366	*	389	358		*	*	*	260	*	*
43.0	*	373	*	397	365		*	*	*	265	*	*
43.5	*	380	*	403	372		*	*	*	271	*	*
44.0	*	386	*	408	376		*	*	*	276	*	*
44.5	*	393	*	414	382		*	*	*	281	*	*
45.0	*	398	*	418	387		*	*	*	286	*	*
45.5	*	404	*	423	391		*	*	*	290	*	*
46.0	*	410	*	430	398		*	*	*	297	*	*
46.5	*	418	*	439	407		*	*	*	304	*	*
47.0	*	425	*	446	414		*	*	*	309	*	*
47.5	*	433	*	454	422		*	*	*	315	*	*
48.0	*	442	*	465	433		*	*	*	323	*	*
48.5	*	452	*	477	444		*	*	*	332	*	*
49.0	*	462	*	489	456		*	*	*	340	*	*
49.5	*	474	*	503	470		*	*	*	350	*	*
50.0	*	485	*	514	480		*	*	*	358	*	*
50.5	*	496	*	525	491		*	*	*	367	*	*
51.0	*	508	*	537	503		*	*	*	377	*	*
51.5	*	519	*	548	514		*	*	*	386	*	*
52.0	*	529	*	559	525		*	*	*	395	*	*
52.5	*	540	*	569	535		*	*	*	404	*	*
53.0	*	551	*	578	545		*	*	*	413	*	*
53.5	*	560	*	585	552		*	*	*	420	*	*
54.0	*	568	*	591	559		*	*	*	428	*	*
54.5	*	574	*	595	563		*	*	*	435	*	*
55.0	*	580	*	599	568		*	*	*	441	*	*
55.5	*	585	*	601	571		*	*	*	447	*	*
56.0	*	590	*	604	574		*	*	*	453	*	*
56.5	*	595	*	607	578		*	*	*	458	*	*
57.0	*	600	*	612	583		*	*	*	465	*	*
57.5	*	605	*	616	587		*	*	*	471	*	*
58.0	*	610	*	621	592		*	*	*	477	*	*
58.5	*	615	*	626	598		*	*	*	483	*	*
59.0	*	621	*	632	604		*	*	*	489	*	*
59.5	*	626	*	636	608		*	*	*	495	*	*
60.0	*	629	*	638	611		*	*	*	499	*	*
60.5	*	632	*	638	612		*	*	*	503	*	*
61.0	*	634	*	640	614		*	*	*	507	*	*
61.5	*	638	*	642	617		*	*	*	512	*	*
62.0	*	642	*	647	622		*	*	*	517	*	*
62.5	*	647	*	651	626		*	*	*	522	*	*
63.0	*	651	*	656	632		*	*	*	527	*	*
63.5	*	656	*	662	638		*	*	*	533	*	*
64.0	*	663	*	672	647		*	*	*	541	*	*
64.5	*	668	*	675	651		*	*	*	545	*	*
65.0	*	674	*	678	654		*	*	*	551	*	*
65.5	*	679	*	684	660		*	*	*	557	*	*
66.0	*	685	*	688	664		*	*	*	562	*	*
66.5	*	690	*	695	671		*	*	*	569	*	*
67.0	*	696	*	698	675		*	*	*	574	*	*

Temperatures On Primary Beam On Grid Line E, Location J.

Table 4.1

67.5	*	701	*	704	680		*	*	*	580	*	*
68.0	*	707	*	711	687		*	*	*	587	*	*
68.5	*	714	*	719	695		*	*	*	595	*	*
69.0	*	721	*	727	704		*	*	*	602	*	*
69.5	*	727	*	733	710		*	*	*	608	*	*
70.0	*	733	*	739	716		*	*	*	615	*	*
70.5	*	737	*	743	721		*	*	*	622	*	*
71.0	*	741	*	747	728		*	*	*	628	*	*
71.5	*	744	*	750	734		*	*	*	635	*	*
72.0	*	748	*	755	739		*	*	*	642	*	*
72.5	*	754	*	761	742		*	*	*	648	*	*
73.0	*	761	*	767	745		*	*	*	654	*	*
73.5	*	769	*	773	748		*	*	*	659	*	*
74.0	*	777	*	780	753		*	*	*	664	*	*
74.5	*	786	*	786	759		*	*	*	670	*	*
75.0	*	795	*	793	766		*	*	*	675	*	*
75.5	*	804	*	801	774		*	*	*	681	*	*
76.0	*	812	*	806	779		*	*	*	686	*	*
76.5	*	820	*	812	785		*	*	*	690	*	*
77.0	*	829	*	817	791		*	*	*	695	*	*
77.5	*	839	*	824	797		*	*	*	700	*	*
78.0	*	850	*	830	803		*	*	*	707	*	*
78.5	*	861	*	837	810		*	*	*	713	*	*
79.0	*	870	*	843	816		*	*	*	718	*	*
79.5	*	878	*	851	823		*	*	*	724	*	*
80.0	*	884	*	855	828		*	*	*	729	*	*
80.5	*	890	*	860	834		*	*	*	735	*	*
81.0	*	896	*	867	841		*	*	*	740	*	*
81.5	*	902	*	872	847		*	*	*	745	*	*
82.0	*	908	*	878	854		*	*	*	751	*	*
82.5	*	912	*	881	859		*	*	*	755	*	*
83.0	*	916	*	884	862		*	*	*	760	*	*
83.5	*	919	*	887	866		*	*	*	765	*	*
84.0	*	922	*	891	871		*	*	*	770	*	*
84.5	*	926	*	894	875		*	*	*	777	*	*
85.0	*	927	*	895	878		*	*	*	782	*	*
85.5	*	927	*	896	879		*	*	*	786	*	*
86.0	*	928	*	897	882		*	*	*	791	*	*
86.5	*	929	*	898	884		*	*	*	796	*	*
87.0	*	930	*	899	886		*	*	*	800	*	*
87.5	*	932	*	901	890		*	*	*	805	*	*
88.0	*	935	*	903	892		*	*	*	810	*	*
88.5	*	938	*	904	895		*	*	*	814	*	*
89.0	*	940	*	904	896		*	*	*	817	*	*
89.5	*	939	*	902	893		*	*	*	820	*	*
90.0	*	938	*	899	891		*	*	*	823	*	*
90.5	*	936	*	895	887		*	*	*	824	*	*
91.0	*	932	*	890	883		*	*	*	825	*	*
91.5	*	927	*	884	877		*	*	*	825	*	*
92.0	*	921	*	878	872		*	*	*	824	*	*
92.5	*	914	*	871	866		*	*	*	822	*	*
93.0	*	907	*	864	859		*	*	*	821	*	*
93.5	*	899	*	857	853		*	*	*	818	*	*
94.0	*	892	*	851	847		*	*	*	815	*	*
94.5	*	884	*	843	839		*	*	*	813	*	*
95.0	*	875	*	835	833		*	*	*	808	*	*
95.5	*	866	*	828	825		*	*	*	804	*	*
96.0	*	858	*	820	817		*	*	*	800	*	*
96.5	*	849	*	812	810		*	*	*	796	*	*
97.0	*	840	*	804	802		*	*	*	791	*	*
97.5	*	831	*	796	794		*	*	*	786	*	*
98.0	*	822	*	788	786		*	*	*	781	*	*
98.5	*	813	*	780	779		*	*	*	776	*	*
99.0	*	805	*	773	772		*	*	*	771	*	*
99.5	*	796	*	765	766		*	*	*	766	*	*
100.0	*	788	*	759	760		*	*	*	761	*	*
100.5	*	781	*	754	756		*	*	*	757	*	*
101.0	*	773	*	751	753		*	*	*	753	*	*
101.5	*	766	*	747	749		*	*	*	750	*	*
102.0	*	759	*	743	745		*	*	*	745	*	*

Temperatures On Primary Beam On Grid Line E, Location J.

Table 4.1

102.5	*	755	*	737	739		*	*	*	741	*	*
103.0	*	751	*	731	733		*	*	*	738	*	*
103.5	*	748	*	726	728		*	*	*	733	*	*
104.0	*	743	*	720	722		*	*	*	730	*	*
104.5	*	739	*	715	717		*	*	*	726	*	*
105.0	*	735	*	709	711		*	*	*	721	*	*
105.5	*	731	*	704	706		*	*	*	717	*	*
106.0	*	726	*	698	701		*	*	*	713	*	*
106.5	*	722	*	693	695		*	*	*	709	*	*
107.0	*	717	*	687	690		*	*	*	704	*	*
107.5	*	712	*	682	684		*	*	*	700	*	*
108.0	*	707	*	676	679		*	*	*	696	*	*
108.5	*	702	*	671	674		*	*	*	692	*	*
109.0	*	697	*	666	669		*	*	*	687	*	*
109.5	*	693	*	661	664		*	*	*	682	*	*
110.0	*	687	*	656	659		*	*	*	678	*	*
110.5	*	682	*	651	655		*	*	*	674	*	*
111.0	*	677	*	647	650		*	*	*	669	*	*
111.5	*	672	*	645	647		*	*	*	664	*	*
112.0	*	667	*	645	647		*	*	*	660	*	*
112.5	*	662	*	644	646		*	*	*	656	*	*
113.0	*	657	*	641	644		*	*	*	652	*	*
113.5	*	653	*	636	640		*	*	*	648	*	*
114.0	*	649	*	630	636		*	*	*	645	*	*
114.5	*	649	*	625	630		*	*	*	643	*	*
115.0	*	649	*	619	624		*	*	*	643	*	*
115.5	*	649	*	614	619		*	*	*	642	*	*
116.0	*	646	*	609	615		*	*	*	640	*	*
116.5	*	642	*	604	610		*	*	*	637	*	*
117.0	*	636	*	599	605		*	*	*	634	*	*
117.5	*	630	*	595	601		*	*	*	629	*	*
118.0	*	624	*	590	597		*	*	*	624	*	*
118.5	*	619	*	586	592		*	*	*	619	*	*
119.0	*	613	*	582	588		*	*	*	615	*	*
119.5	*	607	*	577	583		*	*	*	609	*	*
120.0	*	601	*	573	578		*	*	*	605	*	*
120.5	*	596	*	569	575		*	*	*	600	*	*
121.0	*	591	*	565	570		*	*	*	596	*	*
121.5	*	586	*	561	566		*	*	*	591	*	*
122.0	*	581	*	556	562		*	*	*	587	*	*
122.5	*	576	*	552	558		*	*	*	582	*	*
123.0	*	571	*	549	554		*	*	*	578	*	*
123.5	*	567	*	545	551		*	*	*	573	*	*
124.0	*	563	*	542	547		*	*	*	569	*	*
124.5	*	559	*	538	544		*	*	*	566	*	*
125.0	*	555	*	534	540		*	*	*	562	*	*
125.5	*	551	*	531	537		*	*	*	559	*	*
126.0	*	547	*	528	533		*	*	*	554	*	*
126.5	*	543	*	524	530		*	*	*	551	*	*
127.0	*	540	*	522	527		*	*	*	547	*	*
127.5	*	536	*	518	523		*	*	*	544	*	*
128.0	*	532	*	514	520		*	*	*	540	*	*
128.5	*	528	*	511	516		*	*	*	536	*	*
129.0	*	525	*	507	513		*	*	*	533	*	*
129.5	*	521	*	504	510		*	*	*	530	*	*
130.0	*	517	*	501	506		*	*	*	527	*	*
130.5	*	514	*	498	503		*	*	*	523	*	*
131.0	*	510	*	494	500		*	*	*	520	*	*
131.5	*	507	*	491	497		*	*	*	516	*	*
132.0	*	504	*	488	493		*	*	*	513	*	*
132.5	*	500	*	485	490		*	*	*	510	*	*
133.0	*	497	*	481	487		*	*	*	507	*	*
133.5	*	493	*	478	484		*	*	*	504	*	*
134.0	*	490	*	476	481		*	*	*	500	*	*
134.5	*	487	*	472	478		*	*	*	497	*	*
135.0	*	484	*	469	474		*	*	*	494	*	*
135.5	*	480	*	466	472		*	*	*	491	*	*
136.0	*	477	*	463	468		*	*	*	488	*	*
136.5	*	474	*	460	466		*	*	*	485	*	*
137.0	*	470	*	457	463		*	*	*	482	*	*

Temperatures On Primary Beam On Grid Line E, Location J.

Table 4.1

137.5	*	467	*	454	460		*	*	*	479	*	*
138.0	*	464	*	451	457		*	*	*	477	*	*
138.5	*	461	*	449	454		*	*	*	474	*	*
139.0	*	458	*	445	451		*	*	*	471	*	*
139.5	*	455	*	442	448		*	*	*	468	*	*
140.0	*	452	*	440	446		*	*	*	465	*	*
140.5	*	449	*	437	443		*	*	*	462	*	*
141.0	*	445	*	434	440		*	*	*	459	*	*
141.5	*	443	*	431	437		*	*	*	457	*	*
142.0	*	440	*	429	435		*	*	*	454	*	*
142.5	*	437	*	426	432		*	*	*	452	*	*
143.0	*	434	*	423	429		*	*	*	449	*	*
143.5	*	431	*	421	427		*	*	*	446	*	*
144.0	*	429	*	418	424		*	*	*	443	*	*
144.5	*	426	*	416	421		*	*	*	441	*	*
145.0	*	423	*	413	419		*	*	*	438	*	*
145.5	*	420	*	410	416		*	*	*	436	*	*
146.0	*	417	*	407	414		*	*	*	433	*	*
146.5	*	415	*	405	411		*	*	*	431	*	*
147.0	*	412	*	403	408		*	*	*	428	*	*
147.5	*	409	*	400	406		*	*	*	425	*	*
148.0	*	407	*	397	403		*	*	*	423	*	*
148.5	*	404	*	395	401		*	*	*	420	*	*
149.0	*	401	*	392	398		*	*	*	418	*	*
149.5	*	399	*	390	396		*	*	*	415	*	*
150.0	*	396	*	387	394		*	*	*	413	*	*
150.5	*	393	*	385	391		*	*	*	410	*	*
151.0	*	390	*	382	389		*	*	*	408	*	*
151.5	*	388	*	380	386		*	*	*	405	*	*
152.0	*	385	*	377	384		*	*	*	403	*	*
152.5	*	383	*	375	381		*	*	*	401	*	*
153.0	*	380	*	372	379		*	*	*	399	*	*
153.5	*	377	*	370	377		*	*	*	396	*	*
154.0	*	375	*	368	375		*	*	*	394	*	*
154.5	*	372	*	365	372		*	*	*	391	*	*
155.0	*	370	*	363	370		*	*	*	389	*	*
155.5	*	368	*	361	368		*	*	*	387	*	*
161.0	*	343	*	338	345		*	*	*	365	*	*
171.0	*	302	*	301	309		*	*	*	328	*	*
181.0	*	267	*	269	278		*	*	*	297	*	*
191.0	*	240	*	244	253		*	*	*	273	*	*
201.0	*	218	*	223	234		*	*	*	253	*	*
211.0	*	200	*	207	218		*	*	*	235	*	*
747.5	*	47	*	50	52		*	*	*	55	*	*
757.5	*	47	*	50	52		*	*	*	54	*	*
767.5	*	46	*	49	51		*	*	*	54	*	*
777.5	*	46	*	49	50		*	*	*	53	*	*
787.5	*	46	*	48	50		*	*	*	52	*	*
797.5	*	45	*	48	50		*	*	*	52	*	*
807.5	*	45	*	47	48		*	*	*	51	*	*
817.5	*	44	*	47	48		*	*	*	50	*	*

Temperatures On Primary Beam On Grid Line E, Location J.

Table 4.1