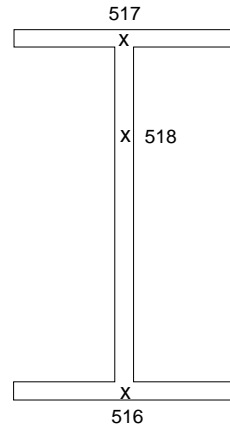


TIME MINS	TEMPERATURE IN DEGREES CENTIGRADE STEEL BEAM			
	LOWER FLANGE	WEB	UPPER FLANGE	
	516	518	517	
0.0	23	22	*	22
0.5	23	22	*	22
1.0	23	22	*	22
1.5	23	22	*	22
2.0	23	22	*	22
2.5	23	22	*	22
3.0	23	22	*	22
3.5	23	22	*	22
4.0	23	22	*	22
4.5	23	22	*	22
5.0	23	22	*	22
5.5	23	22	*	22
6.0	23	22	*	22
6.5	23	22	*	22
7.0	23	22	*	22
7.5	23	22	*	22
8.0	23	22	*	22
8.5	23	22	*	22
9.0	23	22	*	22
9.5	23	22	*	22
10.0	23	23	*	24
10.5	23	23	*	25
11.0	23	24	*	27
11.5	24	25	*	29
12.0	24	28	*	33
12.5	25	31	*	38
13.0	27	35	*	46
13.5	33	43	*	67
14.0	35	43	*	71
14.5	39	47	*	78
15.0	43	51	*	85
15.5	48	56	*	98
16.0	52	60	*	111
16.5	57	66	*	127
17.0	61	71	*	139
17.5	66	78	*	151
18.0	73	88	*	165
18.5	82	98	*	181
19.0	95	123	*	224
19.5	106	135	*	251
20.0	119	149	*	279
20.5	130	161	*	302
21.0	142	172	*	323
21.5	154	185	*	345
22.0	168	199	*	371
22.5	183	215	*	397
23.0	199	227	*	418
23.5	213	239	*	435
24.0	226	249	*	450
24.5	237	260	*	462
25.0	250	271	*	473
25.5	262	279	*	483
26.0	276	293	*	497
26.5	291	311	*	520
27.0	303	327	*	539
27.5	317	338	*	549
28.0	328	352	*	562
28.5	340	363	*	570
29.0	351	377	*	583
29.5	360	385	*	585
30.0	368	393	*	588
30.5	376	400	*	592
31.0	383	403	*	590
31.5	387	404	*	581
32.0	391	404	*	574



* Not Measured

Temperatures On Edge Beam On Grid Line F, Location B13.

Table 8.1

32.5	395	404	*	567
33.0	397	401	*	554
33.5	399	399	*	542
34.0	399	395	*	529
34.5	400	392	*	519
35.0	400	389	*	506
35.5	400	385	*	495
36.0	399	382	*	485
36.5	399	379	*	476
37.0	398	376	*	469
37.5	397	372	*	459
38.0	397	368	*	451
38.5	396	364	*	444
39.0	395	362	*	438
39.5	395	359	*	432
40.0	394	356	*	428
40.5	394	354	*	424
41.0	393	352	*	421
41.5	392	350	*	418
42.0	391	348	*	415
42.5	390	347	*	413
43.0	390	346	*	411
43.5	389	345	*	410
44.0	388	345	*	410
44.5	387	344	*	409
45.0	386	344	*	410
45.5	386	344	*	410
46.0	385	345	*	411
46.5	385	345	*	412
47.0	385	345	*	412
47.5	384	346	*	413
48.0	384	346	*	414
48.5	383	346	*	414
49.0	383	346	*	413
49.5	382	346	*	413
50.0	382	346	*	411
50.5	381	345	*	410
51.0	381	345	*	410
51.5	380	345	*	408
52.0	380	344	*	407
52.5	379	343	*	405
53.0	378	343	*	403
53.5	378	342	*	401
54.0	377	341	*	399
54.5	376	340	*	397
55.0	375	339	*	394
55.5	374	338	*	391
56.0	372	336	*	388
56.5	371	335	*	385
57.0	370	333	*	382
57.5	369	332	*	379
58.0	367	330	*	376
58.5	366	329	*	373
59.0	365	327	*	370
59.5	363	325	*	367
60.0	362	324	*	364
60.5	360	322	*	361
61.0	359	320	*	358
61.5	357	318	*	355
62.0	356	317	*	352
62.5	354	315	*	349
63.0	353	313	*	347
63.5	351	312	*	344
64.0	349	310	*	341
64.5	347	308	*	338
65.0	346	306	*	334
65.5	344	304	*	331
66.0	342	302	*	329
66.5	341	300	*	326
67.0	339	298	*	323

Temperatures On Edge Beam On Grid Line F, Location B13.

Table 8.1

67.5	337	296	*	320
68.0	335	294	*	317
68.5	333	292	*	314
69.0	331	290	*	311
69.5	329	288	*	309
70.0	327	286	*	306
70.5	326	284	*	303
71.0	324	282	*	300
71.5	322	281	*	298
72.0	320	279	*	295
72.5	318	277	*	293
73.0	316	275	*	290
73.5	314	273	*	288
74.0	312	271	*	286
74.5	311	270	*	283
75.0	309	268	*	280
75.5	307	266	*	278
76.0	305	264	*	275
76.5	303	262	*	273
77.0	301	260	*	270
77.5	300	258	*	268
78.0	298	256	*	265
78.5	296	255	*	263
79.0	294	253	*	261
79.5	292	251	*	258
80.0	291	249	*	256
80.5	289	247	*	254
81.0	287	245	*	252
81.5	285	244	*	250
82.0	283	242	*	247
82.5	282	240	*	245
83.0	280	239	*	243
83.5	278	237	*	241
84.0	276	235	*	239
84.5	274	234	*	237
85.0	273	232	*	235
85.5	271	230	*	233
86.0	269	229	*	231
86.5	267	227	*	229
87.0	266	225	*	227
87.5	264	224	*	225
88.0	262	222	*	224
88.5	261	221	*	222
89.0	259	219	*	220
89.5	257	218	*	218
112.5	193	164	*	159
122.5	173	148	*	142
132.5	167	144	*	138
142.5	152	132	*	126
152.5	138	121	*	114
162.5	127	113	*	105
172.5	117	106	*	98
182.5	109	99	*	92
192.5	101	94	*	87
202.5	95	89	*	82
212.5	89	85	*	78
222.5	84	81	*	74
232.5	80	78	*	71
242.5	76	75	*	68
252.5	72	73	*	66
262.5	69	70	*	64
272.5	67	68	*	62
282.5	64	66	*	60
292.5	62	64	*	59
302.5	60	62	*	57
312.5	58	61	*	55
322.5	56	59	*	54
332.5	54	58	*	53
342.5	52	56	*	51
352.5	51	55	*	50

Temperatures On Edge Beam On Grid Line F, Location B13.

Table 8.1

362.5	50	54	*	49
372.5	48	53	*	48
382.5	47	52	*	47
392.5	46	50	*	46
402.5	45	49	*	45
412.5	44	48	*	45
422.5	43	47	*	44
432.5	42	47	*	43
442.5	41	46	*	42
452.5	41	45	*	41
462.5	40	44	*	41
472.5	39	43	*	40
482.5	38	42	*	39
492.5	38	42	*	39
502.5	37	41	*	38
512.5	37	40	*	38
522.5	36	40	*	37
532.5	35	39	*	37
542.5	35	39	*	36
552.5	34	38	*	36
562.5	34	37	*	35
572.5	33	37	*	35
582.5	34	37	*	35
592.5	33	37	*	35
602.5	33	36	*	34
612.5	33	36	*	34
622.5	32	35	*	34
632.5	32	35	*	33
642.5	31	35	*	33
652.5	31	34	*	32
662.5	30	34	*	32
672.5	30	33	*	32
682.5	30	33	*	32
692.5	30	33	*	32
702.5	30	33	*	32
712.5	30	33	*	32
722.5	30	33	*	32
732.5	30	33	*	32
742.5	30	33	*	32
752.5	30	32	*	32
762.5	30	32	*	32
772.5	30	32	*	31
782.5	30	32	*	31
792.5	29	31	*	30
802.5	28	30	*	29
812.5	28	30	*	29
822.5	27	30	*	29
832.5	27	29	*	29
842.5	26	29	*	28
852.5	26	29	*	28
862.5	26	28	*	27

Temperatures On Edge Beam On Grid Line F, Location B13.

Table 8.1