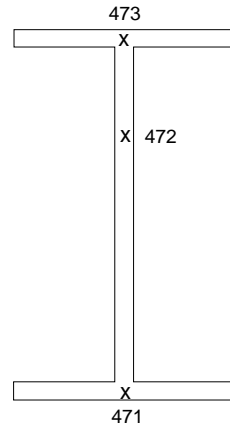


TIME MINS	TEMPERATURE IN DEGREES CENTIGRADE STEEL BEAM			
	LOWER FLANGE	WEB	UPPER FLANGE	
	471	472	473	
0.0	22	22	*	22
0.5	22	22	*	22
1.0	23	22	*	22
1.5	22	22	*	22
2.0	22	22	*	22
2.5	22	22	*	22
3.0	22	22	*	22
3.5	23	22	*	22
4.0	22	22	*	22
4.5	22	22	*	22
5.0	22	22	*	22
5.5	22	22	*	22
6.0	23	22	*	22
6.5	22	22	*	21
7.0	22	22	*	22
7.5	22	22	*	22
8.0	22	22	*	22
8.5	22	22	*	22
9.0	23	23	*	22
9.5	23	25	*	22
10.0	24	26	*	23
10.5	25	29	*	24
11.0	27	32	*	26
11.5	30	37	*	27
12.0	35	46	*	31
12.5	49	66	*	40
13.0	62	78	*	46
13.5	72	91	*	52
14.0	84	104	*	58
14.5	97	117	*	63
15.0	111	129	*	68
15.5	125	143	*	73
16.0	141	156	*	79
16.5	157	168	*	83
17.0	172	179	*	88
17.5	189	193	*	95
18.0	206	205	*	101
18.5	224	217	*	108
19.0	242	229	*	114
19.5	262	242	*	121
20.0	281	255	*	129
20.5	302	273	*	139
21.0	322	290	*	149
21.5	340	308	*	161
22.0	358	325	*	171
22.5	376	339	*	179
23.0	394	353	*	187
23.5	411	366	*	196
24.0	430	386	*	209
24.5	450	407	*	221
25.0	469	427	*	233
25.5	488	443	*	244
26.0	508	465	*	258
26.5	527	483	*	271
27.0	547	505	*	286
27.5	563	516	*	296
28.0	581	535	*	309
28.5	597	549	*	319
29.0	612	568	*	335
29.5	627	580	*	346
30.0	641	593	*	359
30.5	656	604	*	372
31.0	669	617	*	385
31.5	682	626	*	398
32.0	695	640	*	412



* Not Measured

Temperatures On Edge Beam On Grid Line 4 , Location B1.

Table 5.1

32.5	706	649	*	424
33.0	718	666	*	441
33.5	731	673	*	451
34.0	740	683	*	465
34.5	747	688	*	475
35.0	757	694	*	485
35.5	769	698	*	494
36.0	781	701	*	502
36.5	791	701	*	507
37.0	797	698	*	511
37.5	802	693	*	515
38.0	805	688	*	517
38.5	806	682	*	519
39.0	806	676	*	521
39.5	806	672	*	522
40.0	804	665	*	522
40.5	802	660	*	523
41.0	800	656	*	523
41.5	797	651	*	523
42.0	793	647	*	523
42.5	790	643	*	523
43.0	787	640	*	523
43.5	784	636	*	522
44.0	781	633	*	521
44.5	777	629	*	520
45.0	773	624	*	519
45.5	769	621	*	518
46.0	766	617	*	517
46.5	762	613	*	515
47.0	759	610	*	514
47.5	756	607	*	513
48.0	753	604	*	512
48.5	749	600	*	510
49.0	746	597	*	509
49.5	743	593	*	507
50.0	740	590	*	505
50.5	737	586	*	503
51.0	734	583	*	502
51.5	731	579	*	500
52.0	728	575	*	497
52.5	725	571	*	495
53.0	722	567	*	493
53.5	718	563	*	491
54.0	715	558	*	488
54.5	711	555	*	486
55.0	708	551	*	484
55.5	704	547	*	482
56.0	700	543	*	479
56.5	696	539	*	477
57.0	692	534	*	474
57.5	688	530	*	471
58.0	684	526	*	469
58.5	679	522	*	466
59.0	675	518	*	464
59.5	671	514	*	461
60.0	667	511	*	459
60.5	663	507	*	456
61.0	659	504	*	454
61.5	655	501	*	451
62.0	652	498	*	449
62.5	648	495	*	447
63.0	644	491	*	444
63.5	641	488	*	442
64.0	638	485	*	440
64.5	636	482	*	437
65.0	633	479	*	435
65.5	631	476	*	433
66.0	627	473	*	431
66.5	624	471	*	429
67.0	620	468	*	426

Temperatures On Edge Beam On Grid Line 4 , Location B1.

Table 5.1

67.5	616	465	*	424
68.0	613	463	*	422
68.5	609	460	*	420
69.0	605	458	*	418
69.5	601	455	*	416
70.0	597	453	*	414
70.5	593	450	*	411
71.0	589	446	*	409
71.5	585	443	*	407
72.0	581	440	*	404
72.5	577	437	*	402
73.0	572	434	*	400
73.5	568	430	*	398
74.0	564	427	*	395
74.5	560	424	*	393
75.0	556	421	*	391
75.5	552	419	*	389
76.0	548	416	*	386
76.5	544	413	*	384
77.0	540	410	*	382
77.5	535	406	*	380
78.0	532	403	*	377
78.5	527	400	*	375
79.0	523	397	*	373
79.5	519	393	*	370
80.0	515	390	*	368
80.5	511	387	*	366
81.0	507	383	*	363
81.5	503	381	*	361
82.0	499	378	*	359
82.5	495	374	*	356
83.0	491	372	*	354
83.5	488	369	*	352
84.0	484	366	*	349
84.5	480	362	*	347
85.0	475	358	*	344
85.5	471	355	*	342
86.0	466	351	*	339
86.5	462	347	*	337
87.0	457	344	*	334
87.5	453	340	*	332
88.0	449	337	*	329
88.5	445	334	*	327
109.0	319	245	*	249
119.0	279	216	*	222
129.0	247	193	*	200
139.0	219	172	*	181
149.0	196	156	*	166
159.0	178	143	*	152
169.0	161	131	*	141
179.0	147	121	*	131
189.0	134	112	*	122
199.0	122	104	*	114
209.0	112	97	*	107
219.0	104	92	*	101
229.0	97	87	*	96
239.0	91	83	*	91
249.0	86	79	*	87
259.0	82	75	*	83
269.0	78	73	*	80
279.0	74	70	*	77
289.0	71	67	*	74
299.0	69	65	*	72
309.0	66	63	*	69
319.0	64	61	*	67
329.0	62	60	*	65
339.0	60	58	*	63
349.0	59	57	*	61
359.0	57	55	*	60
369.0	56	54	*	58

Temperatures On Edge Beam On Grid Line 4 , Location B1.

Table 5.1

379.0	54	53	*	57
389.0	53	51	*	56
399.0	52	50	*	54
409.0	51	49	*	53
419.0	49	48	*	52
429.0	48	47	*	51
439.0	47	46	*	50
449.0	46	46	*	49
459.0	46	45	*	48
469.0	45	44	*	47
479.0	44	43	*	46
489.0	43	42	*	45
499.0	42	42	*	44
509.0	42	41	*	44
519.0	41	40	*	43
529.0	40	40	*	42
539.0	40	39	*	41
549.0	39	38	*	41
559.0	38	38	*	40
569.0	38	37	*	39
579.0	38	37	*	40
589.0	38	37	*	39
599.0	37	36	*	38
609.0	36	36	*	38
619.0	36	35	*	37
629.0	35	35	*	37
639.0	35	34	*	36
649.0	35	34	*	36
659.0	34	34	*	35
669.0	34	33	*	35
679.0	33	33	*	34
689.0	33	32	*	34
699.0	33	32	*	34
709.0	32	32	*	33
719.0	32	32	*	33
729.0	32	31	*	33
739.0	31	31	*	32
749.0	31	31	*	32
759.0	31	30	*	32
769.0	31	30	*	31
779.0	30	30	*	31
789.0	30	30	*	31
799.0	30	30	*	31
809.0	30	30	*	31
819.0	30	30	*	30
829.0	30	30	*	30

Temperatures On Edge Beam On Grid Line 4 , Location B1.

Table 5.1