

115 STRUCTURAL STEEL

FIELD BOLT LIST		A325 Type 1 BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS / CORR.	# OF CORR.	GRIP	THICKNESS OF PCS. CONNECTED						
1													BOTTOM CHORD FIELD SPLICE
2													NEAR L2 @ L2'(WEST @ EAST):
3	160	3/4	2 1/2	20	8	1 1/2	1/2	1/2					1 WEBS
4	80	3/4	3	20	4	1 1/2	1/2	1/2					* B1 TOP FLANGES
5	80	3/4	2 1/2	20	4	1 1/2	1/2	1/2					* B1 BTM FLANGES
6													
7													JOINT L0 @ L0'(WEST @ EAST)
8													BOTTOM CHORD
9													1BC1W,1BC3E,2BC1E,2BC3W WEB
10	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 TO GUSSET PLATE
11													1BC1W,1BC3E,2BC1E,2BC3W BTM
12	24	3/4	3	8	4	1 1/2	1/2	1/2					* B1 FLG TO BTM GUSSET PLATE
13													14V1W,14V1E,14V6W,14V6E FLG
14	64	3/4	2 1/2	16	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE (OUTER SIDE)
15													14V1W,14V1E,14V6W,14V6E FLG
16	56	3/4	2 1/2	14	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
17													BD1W,BD9E,9D1E,9D9W WEB
18	72	3/4	2 1/2	9	8	1 1/2	1/2	1/2					1 TO GUSSET PLATE
19													BD1W,BD9E,9D1E,9D9W WEB
20	40	3/4	2 1/2	5	8	1 1/2	1/2	1/2					1 TO GUSSET PLATE @ ANGLES
21													BD1W,BD9E,9D1E,9D9W WEB
22	40	3/4	2 1/2	5	8	1 1/2	1/2	1/2					1 TO INTERNAL FILLS @ ANGLES
23													BD1W,BD9E,9D1E,9D9W
24	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 COVER PL TO ANGLES
25													JOINT L1 @ L1'(WEST @ EAST)
26													BOTTOM CHORD
27													1BC1W,1BC3E,2BC1E,2BC3W WEB
28	48	3/4	2 1/2	12	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE
29													1BC1W,1BC3E,2BC1E,2BC3W WEB
30	16	3/4	2 1/2	4	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
31													14V2W,14V2E,14V7W,14V7E FLG
32	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE (OUTER SIDE)
33													14V2W,14V2E,14V7W,14V7E FLG
34	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
35													JOINT L2 @ L2'(WEST @ EAST)
36													BOTTOM CHORD
37													3BC2W @ 4BC2E WEB
38	112	3/4	2 1/2	28	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE
39													3BC2W @ 4BC2E WEB
40	16	3/4	2 1/2	4	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
41													15V3W,15V3E,15V6W,15V6E FLG
42	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE (OUTER SIDE)
43													15V3W,15V3E,15V6W,15V6E FLG
44	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
45													JOINT L3 @ L3'(WEST @ EAST)
46													BOTTOM CHORD
47													3BC2W @ 4BC2E WEB
48	112	3/4	2 1/2	28	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE
49													3BC2W @ 4BC2E WEB
50	16	3/4	2 1/2	4	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
51													15V4W,15V4E,15V6W,15V6E FLG
52	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PLATE (OUTER SIDE)
53													15V4W,15V4E,15V6W,15V6E FLG
54	40	3/4	2 1/2	10	4	1 1/2	1/2	1/2					1 TO GUSSET PL @ FLBM ANGLES
55													

1: 1 Hard Flat Washer  
B1: 1 Beveled, 1 Flat.

FIELD BOLT LIST		A325 Type 1 BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS / CORR.	# OF CORR.	GRIP	THICKNESS OF PCS. CONNECTED						
56													JOINT U1 @ U1'(WEST @ EAST)
57													TOP CHORD
58													5TC1W,5TC3E,6TC1E,6TC3W WEB
59	120	3/4	2 1/2	15	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
60													5TC1W,5TC3E,6TC1E,6TC3W TOP
61	48	3/4	3	12	4	1 1/2	1/2	1/2					* B1 FLG TO TOP GUSSET PLATE
62													5TC1W,5TC3E,6TC1E,6TC3W TOP
63	72	3/4	2 1/2	18	4	1 1/2	1/2	1/2					1 FLG TO TOP GUSSET/SPLICE PL
64													BD1W,BD9E,9D1E,9D9W WEB
65	96	3/4	2 1/2	12	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
66													BD1W,BD9E,9D1E,9D9W TOP FLG
67	32	3/4	3	8	4	1 1/2	1/2	1/2					* B1 TO TOP PORTAL GUSSET PLATE
68													BD1W,BD9E,9D1E,9D9W TOP FLG
69	48	3/4	2 1/2	12	4	1 1/2	1/2	1/2					1 TO TOP GUSSET/SPLICE PLATE
70													BD1W,BD9E,9D1E,9D9W BTM FLG
71	12	3/4	2 1/2	3	4	1 1/2	1/2	1/2					* B1 TO BTM GUSSET PLATE
72													14V2W,14V2E,14V7W,14V7E FLG
73	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
74													JOINT U2 @ U2'(WEST @ EAST)
75													TOP CHORD
76													5TC1W,5TC3E,6TC1E,6TC3W WEB
77	120	3/4	2 1/2	15	8	1 1/2	1/2	1/2					1 TO GUSSET PLATE
78													5TC1W,5TC3E,6TC1E,6TC3W TOP
79	80	3/4	3	20	4	1 1/2	1/2	1/2					* B1 FLG TO TOP GUSSET PLATE
80													5TC1W,5TC3E,6TC1E,6TC3W TOP
81	24	3/4	2 1/2	6	4	1 1/2	1/2	1/2					1 FLG TO TOP GUSSET PLATE
82													5TC1W,5TC3E,6TC1E,6TC3W BTM
83	24	3/4	2 1/2	6	4	1 1/2	1/2	1/2					* B1 FLG TO BTM GUSSET PLATE
84													15V3W,15V3E,15V6W,15V6E FLG
85	32	3/4	2 1/2	4	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES @ TOP CHORD
86													15V3W,15V3E,15V6W,15V6E FLG
87	48	3/4	2 1/2	8	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
88													JOINT U3 @ U3'(WEST @ EAST)
89													TOP CHORD
90													5TC1W,5TC3E,6TC1E,6TC3W,
91													7TC2W,7TC2E WEB
92	176	3/4	2 1/2	11	16	1 1/2	1/2	1/2					1 TO GUSSET PLATES
93													5TC1W,5TC3E,6TC1E,6TC3W,
94													7TC2W,7TC2E WEB AND
95													15V4W,15V4E,15V6W,15V6E FLG
96	32	3/4	3	4	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
97													5TC1W,5TC3E,6TC1E,6TC3W
98													7TC2W,7TC2E TOP FLG
99	80	3/4	3	20	4	1 1/2	1/2	1/2					* B1 TOP GUSSET PLATE
100													5TC1W,5TC3E,6TC1E,6TC3W
101													7TC2W,7TC2E TOP FLG
102	120	3/4	2 1/2	30	4	1 1/2	1/2	1/2					1 TOP GUSSET/SPLICE PLATE
103													5TC1W,5TC3E,6TC1E,6TC3W
104													7TC2W,7TC2E BTM FLG
105	32	3/4	2 1/2	8	4	1 1/2	1/2	1/2					* B1 TO BTM GUSSET PLATE
106													15V4W,15V4E,15V6W,15V6E FLG
107	48	3/4	2 1/2	8	8	1 1/2	1/2	1/2					1 TO GUSSET PLATES
108													
109													TRUSS DIAGONALS:
110													10D2W,10D2E,10D8W,10D8E TO
111	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 BTM CHORD GUSSET PLATES
112													10D2W,10D2E,10D8W,10D8E TO
113	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 TOP CHORD GUSSET PLATES
114													11D3W,11D3E,11D7W,11D7E TO
115	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 BTM CHORD GUSSET PLATES

1: 1 Hard Flat Washer  
B1: 1 Beveled, 1 Flat.

FIELD BOLT LIST		A325 Type 1 BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS / CORR.	# OF CORR.	GRIP	THICKNESS OF PCS. CONNECTED						
116													11D3W,11D3E,11D7W,11D7E TO
117	80	3/4	2 1/2	10	8	1 1/2	1/2	1/2					1 TOP CHORD GUSSET PLATES
118													12D4W,12D4E BTM CHORD
119	20	3/4	2 1/2	5	4	1 1/2	1/2	1/2					1 GUSSET PLATES
120													12D4W,12D4E TO TOP CHORD
121	20	3/4	2 1/2	5	4	1 1/2	1/2	1/2					1 GUSSET PLATES
122													TRUSS DIAGONALS:
123													13D6W,13D6E BTM CHORD
124	20	3/4	2 1/2	5	4	1 1/2	1/2	1/2					1 GUSSET PLATES
125													13D5W,13D5E TO TOP CHORD
126	20	3/4	2 1/2	5	4	1 1/2	1/2	1/2					1 GUSSET PLATES
127													13D5W,13D5E,13D6W,13D6E TO
128	40												