

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	WASHER CODES	PIECES CONNECTED AND REMARKS				
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 WEBS	
4	80	3/4	3	20	4	1 1/2	1/2				*	B1 TOP FLANGES	
5	80	3/4	2 1/2	20	4	1 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 TO GUSSET PLATE	
11												1BC1W,1BC3E,2BC1E,2BC3W BTM	
12	24	3/4	3	8	4	1 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 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 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 TO GUSSET PLATE	
19												BD1W,BD9E,9D1E,9D9W WEB	
20	40	3/4	2 1/2	5	8	1 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 TO INTERNAL FILLS @ ANGLES	
23												BD1W,BD9E,9D1E,9D9W	
24	80	3/4	2 1/2	10	8	1 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 TO GUSSET PLATE	
29												1BC1W,1BC3E,2BC1E,2BC3W WEB	
30	16	3/4	2 1/2	4	4	1 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 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 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 TO GUSSET PLATE	
39												3BC2W @ 4BC2E WEB	
40	16	3/4	2 1/2	4	4	1 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 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 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 TO GUSSET PLATE	
49												3BC2W @ 4BC2E WEB	
50	16	3/4	2 1/2	4	4	1 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 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 TO GUSSET PL @ FLBM ANGLES	
55													

WASHER CODES
 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	WASHER CODES	PIECES CONNECTED AND REMARKS				
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 TO GUSSET PLATES	
60												5TC1W,5TC3E,6TC1E,6TC3W TOP	
61	48	3/4	3	12	4	1 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 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 TO GUSSET PLATES	
66												BD1W,BD9E,9D1E,9D9W TOP FLG	
67	32	3/4	3	8	4	1 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 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				*	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 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 TO GUSSET PLATE	
78												5TC1W,5TC3E,6TC1E,6TC3W TOP	
79	80	3/4	3	20	4	1 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 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				*	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 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 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 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 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				*	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 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				*	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 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 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 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 BTM CHORD GUSSET PLATES	

WASHER CODES
 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	WASHER CODES	PIECES CONNECTED AND REMARKS				
116												11D3W,11D3E,11D7W,11D7E TO	
117	80	3/4	2 1/2	10	8	1 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 GUSSET PLATES	
120												12D4W,12D4E TO TOP CHORD	
121	20	3/4	2 1/2	5	4	1 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 GUSSET PLATES	
125												13D5W,13D5E TO TOP CHORD	
126	20	3/4	2 1/2	5	4	1 1/2	1/2					1 GUSSET PLATES	
127												13D5W,13D5E,13D6W,13D6E TO	
128	40	3/4	2 1/2	5	8	1 1/2	1/2					1 CENTER GUSSET PLATES	
129													
130												FLOORBEAM CONNECTIONS:	
131												19FB1 @ 19FB2 WEB TO	
132	112	3/4	2 1/2	7	16	1 1/2	1/2					1 END CONNECTION ANGLES	
133												19FB1 BTM FLG TO	
134	24	3/4	3 1/2	6	4	2	1					1 BTM GUSSET PLATES	
135												19FB2 BTM FLG TO	
136	72	3/4	2 1/2	6	12	1 1/2	1/2					1 BTM GUSSET PLATES	