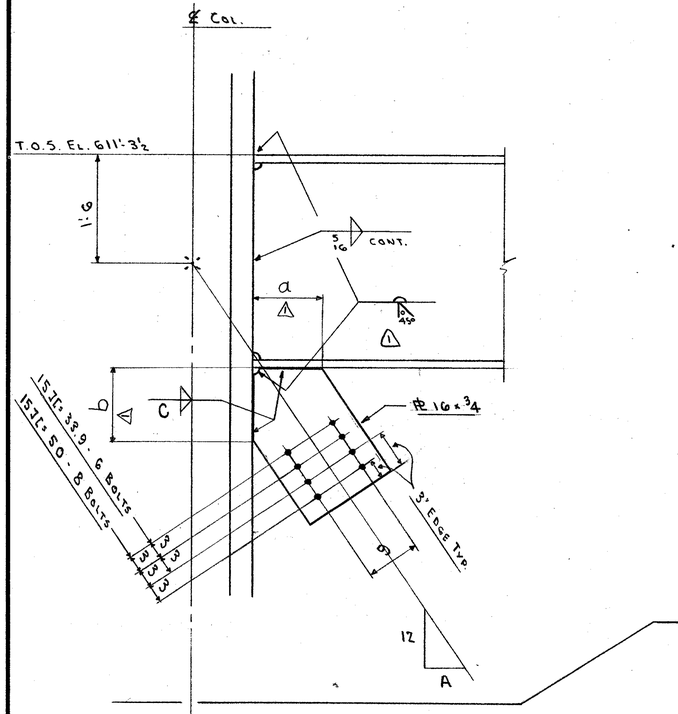
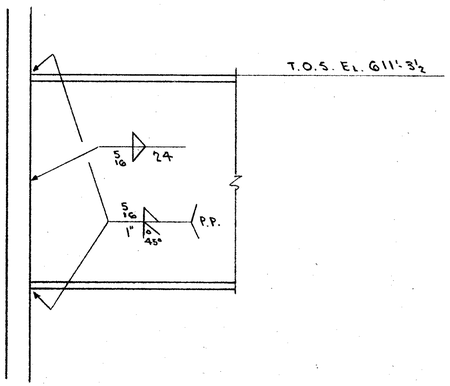
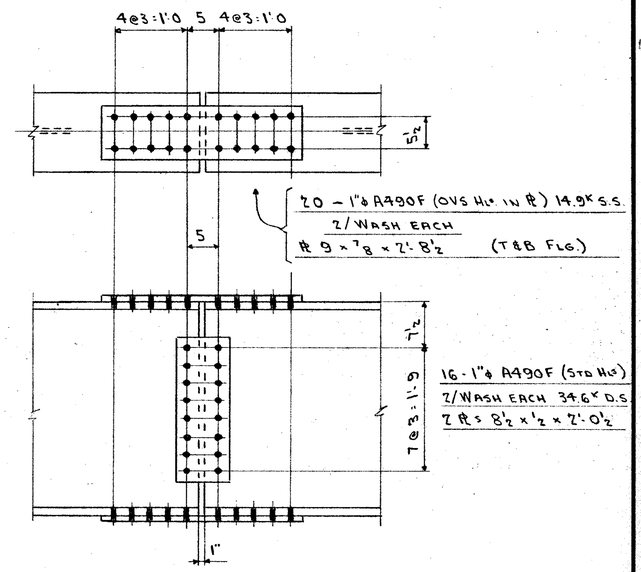




COLUMN	WIND GIRDER	GIVEN mom.1K	AXIAL FORCE K	BRACING	BEV. A	WELD C	a ±	b ±	CAPACITY KIPS
1 W14×665	WG1 W36×210	710	—	2-C15×33.9 ⚠ ±90K	9½	3/8	1'-2¼	7¾	150
3 W14×426	WG2	670		± 150K	8⅛	3/8	1-1	9¼	183
3	WG3	610		2-C15×50 ± 150K	8	½	1'-0¾	9⅝	255
5	WG4	630		± 210K	8				
5 W14×426	WG5	650		± 190K	8				
7 W14×455	WG6	670		± 220K	8		1'-0⅝	9⅞	262
7	WG7	680		± 200K	8				
9	WG8	680		± 210K	8				
9 W14×455	WG9	680		± 210K	8				
11 W14×426	WG10	670	—	± 190K	8		1'-0¾	9⅝	255
11	WG11	640	50	± 210K	8				
13	WG12	670	50	2-C15×50 ± 160K	8	—			
13 W14×426	WG13	580	50	2-C15×33.9 ± 170K	8 1/16	3/8			191
14A W14×500	WG14	610	50	⚠ ± 100K	8⅛		1'-0½	10	200
14A	WG15 W36×210	590	50	± 50K	6½		9½	1'-4	189
28 W14×730	WG29 W36×194	670	—	⚠ ± 85K	9 15/16		1'-2⅝	7½	144
30 W14×426	WG30	590		± 120K	8		1'-0⅝	9⅞	197
30	WG31	600		2-C15×33.9 ± 130K	8	—			
32	WG32	640		2-C15×50 ± 200K	8	½			262
32 W14×426	WG33	680		± 190K	8				
34 W14×455	WG34	700		± 220K	8				
34	WG35	710		± 210K	8				
36	WG36	710		± 210K	8				
36 W14×455	WG37	690		± 230K	8				
38 W14×426	WG38	670		± 200K	8				
38	WG39	640		2-C15×50 ± 210K	8	—			
40	WG40	590		2-C15×33.9 ± 130K	8	3/8			197
40 W14×426	WG41	570		± 140K	8	3/8			197
42 W14×730	WG42 W36×194	610		2-C15×33.9 ± 60K	9¼	3/8	1'-1⅛	9	178
2 W14×500	WG1 W36×210	710							
2	WG2	670							
4 W14×426	WG3	610							
4	WG4	630							
6	WG5	650							
6 W14×426	WG6	670							
8 W14×455	WG7	680							
8	WG8	680							
10	WG9	680							
10 W14×455	WG10	670	—						
12 W14×426	WG11	640	50						
12	WG12	620	50						
14	WG13	580	50						
14 W14×426	WG14	610	50						
15 W14×665	WG15 W36×210	590	50						
29 W14×500	WG29 W36×194	670	—						
29	WG30	590							
31 W14×426	WG31	600							
31	WG32	640							
33	WG33	680							
33 W14×426	WG34	700							
35 W14×455	WG35	710							
35	WG36	710							
37 W14×426	WG37	690							
37	WG38	670							
39	WG39	640							
39 W14×426	WG40	590							
41 W14×500	WG41	570							
41	WG42 W36×194	610	—						



— MID SPAN SPLICE DETAIL FOR ALL W.G.s —

"DETAILER NOTE"- THERE ARE NO PRE.FAB. SKETCHES FOR 24TH FL. W.G.'S - IDENTIFY ON DETAIL DWG BY PAGE & LINE NO. AND NOTE - CUT WITH MATCHING PIECE MARK

⚠ NOTE:

CAPACITY BASED ON TOTAL LENGTH OF WELD (MIN. a OR b - 1 INCH) X 2 X 2 SIDES

MIN. LENGTH ACTUALLY PROVIDED = (a - 1 INCH + b - 1 INCH) X 2 SIDES = 40 INCHES OF WELD MIN.

STEEL GRADES Col. Bms., BRACING A36
CONN. MAT'L. G40.21-44W

WELDING E70 SERIES ELECTRODES

BOLTS - MID SPAN SPLICE AS NOTED
BRACING - 1"ø A490F T/WASH EACH (OVS HL. IN ℄) 29.8K D.S

REF. DWG. E24, E122

REVISED			
DATE ___ BY ___	OPEN HOLES ___	24TH FLOOR BELT TRUSS CONNS.	FRANKEL STEEL LIMITED
DATE ___ BY ___	PAINT ___	7 WORLD TRADE CENTER N.Y.	220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B2
DATE ___ BY ___	ERECTED BY ___	TISHMAN CONSTRUCTION CUSTOMER	SQUAD F.R.
DATE ___ BY ___	FIELD PAINT ___	EMERY ROTH & SONS P.C. ARCHITECT	MADE BY JM DATE JUNE 85 CHKD. BY DATE
DATE July 26 BY JM	INSPECTION ___	IRWIN S. CANTOR P.C. ENGINEER	CONT. No. 84-15 SHEET 9166

X39 & APP. ⚠