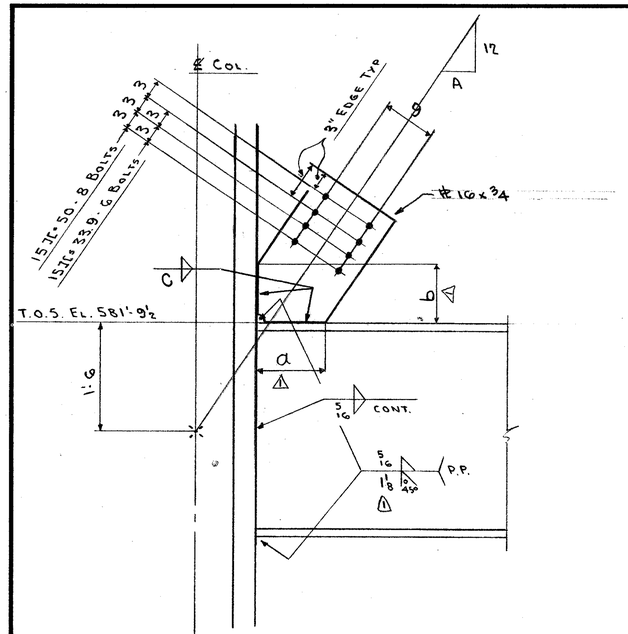
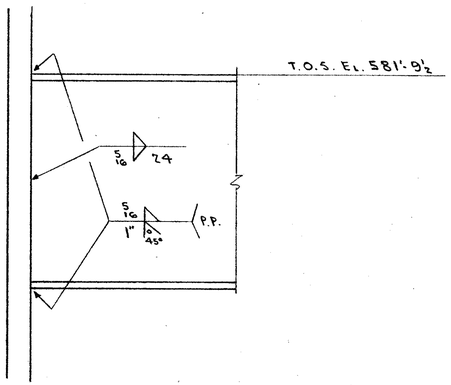
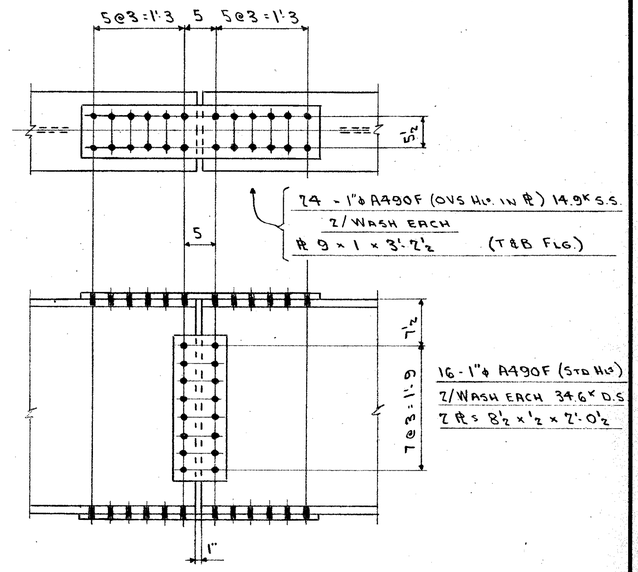


COLUMN	WIND GIRDER	GIVEN mom.ᵏ	AXIAL FORCE ᵏ	BRACING	BEV. A	WELD C	a	b	CAPACITY KIPS
1 W14×665	WG1 W36×245	790	—	2-C15×33.9 ±110ᵏ	9½	⅜	1-1⅝	8½	167
3 W14×500	WG2	760		— ±110ᵏ	8⅛	⅜	1-0⅛	10⅝	214
3	WG3	780		2-C15×50 ±200ᵏ	8	½	11¾	11⅛	296
5	WG4	810		±180ᵏ	8				
5	WG5	830		±220ᵏ	8				
7	WG6	810		±200ᵏ	8				
7 W14×500	WG7	800		±220ᵏ	8				
9 W14×455	WG8	780		±220ᵏ	8				
9 —	WG9	800		±200ᵏ	8				
11 W14×500	WG10	800	—	±220ᵏ	8				
11	WG11	800	50	±180ᵏ	8				
13	WG12	780	50	2-C15×50 ±200ᵏ	8	—			—
13 W14×500	WG13	780	50	2-C15×33.9 ±130ᵏ	8⅛	⅜			225
14A W14×550	WG14 ⚠1	700	50	±130ᵏ	8⅛		—	—	225
14A —	WG15	600	50	±90ᵏ	6½		8¾	1-5⅝	172
28 W14×730	WG29	870	—	±70ᵏ	9 15/16		1-2⅛	7⅞	154
30 W14×550	WG30	750		⚠1 ±100ᵏ	8		11¾	11⅛	225
30 —	WG31	800		2-C15×33.9 ±180ᵏ	8	—			225
32 W14×500	WG32	860		2-C15×50 ±170ᵏ	8	½			296
32	WG33	820		±220ᵏ	8				
34	WG34	830		±200ᵏ	8				
34	WG35	830		±220ᵏ	8				
36	WG36	830		±220ᵏ	8				
36	WG37	820		±210ᵏ	8				
38	WG38	810		±230ᵏ	8				
38 W14×500	WG39	860		2-C15×50 ±170ᵏ	8	—			—
40 W14×550	WG40	780		2-C15×33.9 ±180ᵏ	8	⅜			225
40 —	WG41	730		±80ᵏ	8		—	—	225
42 W14×730	WG42	730		2-C15×33.9 ±100ᵏ	9¼	—	1-0¾	9⅝	191
2 W14×550	WG1	790							
2 —	WG2	760							
4 W14×500	WG3	780							
4	WG4	810							
6	WG5	830							
6 W14×500	WG6	810							
8 W14×455	WG7	800							
8 —	WG8	780							
10 W14×500	WG9	800							
10	WG10	800	—						
12	WG11	800	50						
12	WG12	780	50						
14	WG13	780	50						
14 W14×500	WG14	780	50						
15 W14×665	WG15	600	50						
29 W14×605	WG29	820	—						
29 —	WG30	750							
31 W14×550	WG31	800							
31 —	WG32	860							
33 W14×500	WG33	820							
33	WG34	830							
35	WG35	830							
35	WG36	830							
37	WG37	820							
37 W14×500	WG38	810							
39 W14×550	WG39	860							
39 —	WG40	780							
41 W14×605	WG41	730							
41 —	WG42 W36×245	730	—						





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

"DETAILER NOTE"- THERE ARE NO PRE.FAB. SKETCHES FOR 22ND 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 2/WASH EACH (OVS HLE IN ℄) 29.8ᵏ DS

REF. DWGS. E22, E122

REVISED			
DATE ____ BY ____	OPEN HOLES ____	22ND. 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
X39 & APP ⚠1 DATE JULY 26 BY JM	INSPECTION ____	IRWIN S. CANTOR P.C. ENGINEER	CONT. No. 84-15 SHEET 9168