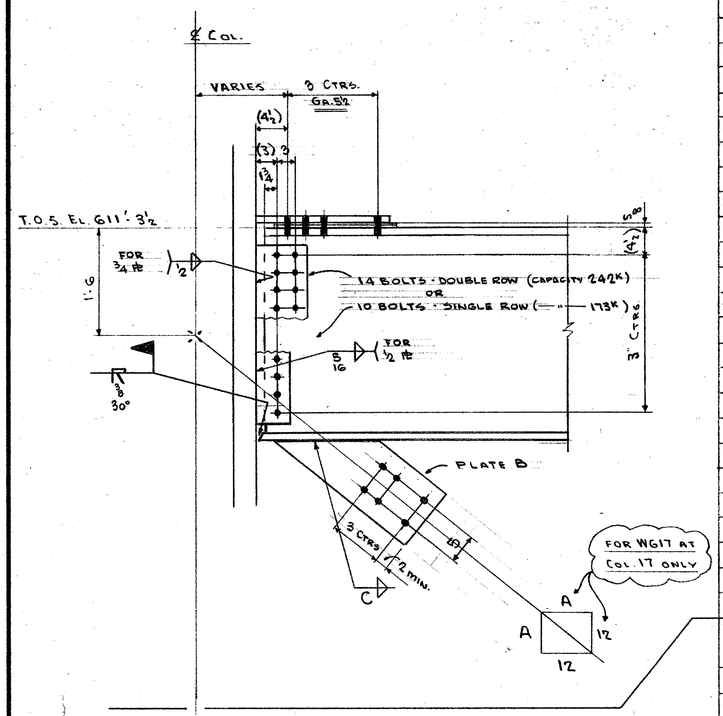
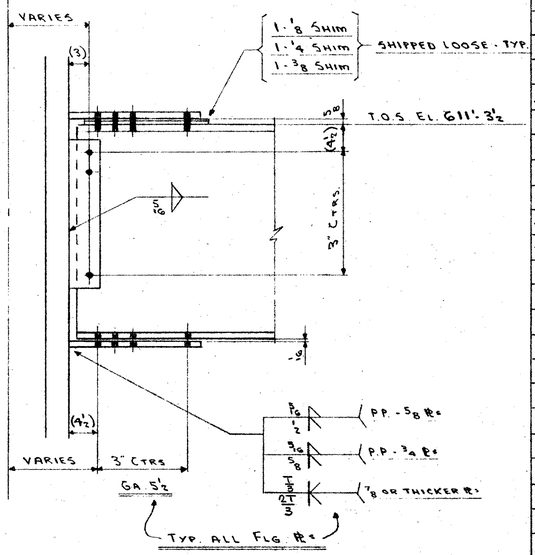




COLUMN	WIND GIRDER	GIVEN mom.1K	AXIAL FORCE K	BRACING	TOP FLG. CONN. BOLTS	TOP FLG. CONN. PLATE	WEB CONN. BOLTS	WEB CONN. PLATE	BTM. FLG. CONN.	BRACING CONN. BEV. A	BRACING CONN. BOLTS	BRACING CONN. PLATE B	BRACING CONN. WELD C
56 W14×500	WG57 W36×245	580	50	2-WT 5×56 ±160K	18	12 × 1'⅛ × 2'-6½	14	8 × ¾ × 1'-9½		9½	8	11 × ⅛	⅝
56	WG56	760	100	⚠1 ±205K	22	12 × 1⅜ × 3'-0½	14			7 9/16	8		5/16
54	WG55	580	100	2-MC 10×33.6 ±192K	18	12 × 1'⅛ × 2'-6½	14	⚠1		9 5/16	6	2 11 × 1'-2½	7/16
54	WG54	530	165	⚠1 ±115K	18		10	5 × ½ × 2'-6½		9 13/16	6		
52	WG53	510	165	±90K	18		10			9 13/16	6		
52	WG52	510	175	±90K	18		10			9¾	6		
50	WG51	510	170	±100K	18		10			9¾	6		
50	WG50	500	170	±100K	18		10			9¾	6		
48	WG49	500	160	±90K	18		10			9 13/16	6		
48	WG48	490	150	±90K	18		10			9 13/16	6		
46	WG47	510	155	2-MC 10×33.6 ±90K	18		10			9¼	6		
46	WG46	580	120	2-WT 5×56⚠1 ±140K	18		10			7¾	8	11 × ⅛	⅝
44	WG45	560	120	⚠1 ±155K	18		14	⚠1 8 × ¾ × 1'-9½	BUTT WELD	7¾	8		
44 W14×500	WG44 W36×245	540	50	2-WT 5×56⚠1 ±188K	18		14	⚠1		7 1/16	8		5/16
17 W14×455	WG17 W36×194	450	175	2-MC 10×33.6 ±130K	20	12 × 1¼ × 2'-9½	14			11 3/16	6	11 × 1	7/16
17	WG18	420	265	⚠1 ±183K	20		14	⚠1		9⅝	6	2	
19 W14×426	WG19	380	280	±110K	20		10	5 × ½ × 2'-6½		9⅝	6		
19	WG20	370	308	±110K	20		10			9⅝	6		
21	WG21	370	315	±100K	20		10			9 1/16	6		
21	WG22	370	320	±100K	20		10			9⅝	6		
23	WG23	360	325	⚠1 ±100K	20		10			9⅝	6		
23	WG24	360	290	2-MC 10×33.6 ±115K	20		10			9⅝	6		
25	WG25	470	315	2-WT 5×56 ±180K	22	12 × 1⅜ × 3'-0½	10			7⅝	8	11 × ⅛	⅝
25 W14×426	WG26	420	230	⚠1 ±165K	20	12 × 1¼ × 2'-9½	10			9'8	8	2	5/16
27 W14×605	WG27	480	180	⚠1 ±190K	20		14	8 × ¾ × 1'-9½		9'8	8	2	7/16
27	WG28 W36×194	650	170	2-WT 5×56 ±270K	22	12 × 1⅜ × 3'-0½	14			7¾	10	2 11 × 1⅜	¾
					TOP & BTM. FLG. CONN. BOLTS	TOP & BTM. FLG. CONN. PLATE	WEB CONN. BOLTS	WEB CONN. PLATE					
57 W14×500	WG58 W36×245	690	50		18	12 × 1'⅛ × 2'-6½	10	5 × ½ × 2'-6½					
57	WG57	580	50		18		10						
55	WG56	760	100		22	12 × 1⅜ × 3'-0½	8	5 × ½ × 2'-0½					
55	WG55	580	100		18	12 × 1'⅛ × 2'-6½	8						
53	WG54	530	165		18		8						
53	WG53	510	165		18		8						
51	WG52	510	175		18		8						
51	WG51	510	170		18		8						
49	WG50	500	170		18		8						
49	WG49	500	160		18		8						
47	WG48	490	150		18		8						
47	WG47	510	155		18		8						
45	WG46	580	120		18		8						
45	WG45	560	120		18		8						
43	WG44	540	50		18		10	5 × ½ × 2'-6½					
43 W14×500	WG43 W36×245	670	50		18		10						
16 W14×605	WG16 W36×194	660	120		20	12 × 1¼ × 2'-9½	10						
16	WG17	450	175		20		10						
18 W14×426	WG18	420	265		20		8	5 × ½ × 2'-0½					
18	WG19	380	280		20		8						
20	WG20	370	308		20		8						
20	WG21	370	315		20		8						
22	WG22	370	320		20		8						
22	WG23	360	325		20		8						
24	WG24	360	290		20		8						
24 W14×426	WG25	470	315		22	12 × 1⅜ × 3'-0½	8						
26 W14×455	WG26	420	230		20	12 × 1¼ × 2'-9½	8						
26	WG27 W36×194	480	180		20		10	5 × ½ × 2'-6½					

STEEL GRADES — COL., BMS., BRACING - A36
CONN MATL G40.21-44W

WELDING — E70 SERIES ELECTRODES

BOLTS — ALL 1" ⌀ A490F WITH 2/WASH EACH
BRACING AND FLG. CONN^S (O.V.S HLS IN ℔'s): 14.9K S.S.
WEB CONN^S (STD. HLS): 17.3K S.S.

FIN ℔'s FOR WEB CONN^S LOCATED ON OUT. FACE OF BM. WEB

REF. DWG^S E74, E122

×39 & APP. ⚠1

REVISED		
DATE	BY	
DATE	BY	
DATE	BY	
DATE	BY	
DATE JULY 26	BY JM	

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FIELD PAINT
INSPECTION

74TH FLOOR BELT TRUSS CONNS.
7 WORLD TRADE CENTER N.Y.
TISHMAN CONSTRUCTION — CUSTOMER
EMERY ROTH & SONS P.C. — ARCHITECT
IRWIN G. CANTOR P.C. — ENGINEER

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B2

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MADE BY JM DATE JUNE 85 CHKD. BY ✓ DATE
CONT. No. 84-15 SHEET 9163