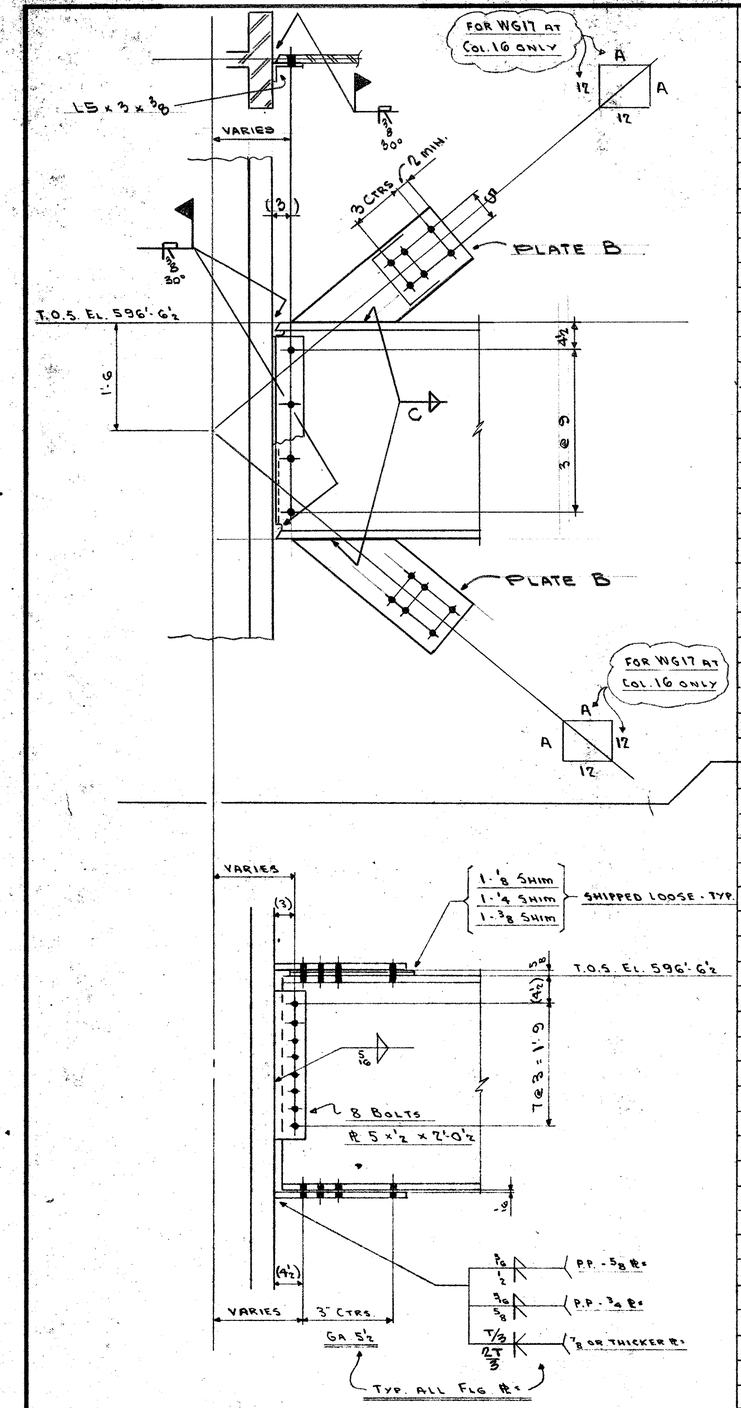


COLUMN	WIND GIRDER	GIVEN mom.1x	UPPER BRACING	LOWER BRACING	TOP & BTM. FLG. CONN.	UPPER & LOWER BRACING CONN. BEV. A	BOLTS	PLATE B	WELD C
57 W14 x 550	WG58 W36 x 245	690	2 - WT 5 x 56 ±260K	2 - WT 5 x 56 ±230K		8 11/16	10	2 PL 11 x 1 3/8	3/4
57	WG57	580	±160K	±180K		9 1/2	8	11 x 1 1/8	5/8
55	WG56	760	⚠ ±205K	±130K		7 9/16	8		
55	WG55	580	2 - MC 10 x 33.6 ±147K	2 - MC 10 x 33.6 ±148K	⚠	9 5/16	6	11 x 1	7/16
53	WG54	530	⚠ ±115K	±170K	⚠	9 1/16	6		
53	WG53	510	±90K	±100K		9 1/16	6		
51	WG52	510	±90K	±100K		9 3/4	6		
51	WG51	510	±100K	±100K		9 3/4	6		
49	WG50	500	±100K	±100K		9 3/4	6		
49	WG49	500	±90K	±100K		9 1/16	6		
47	WG48	490	±90K	±90K		9 1/16	6		
47	WG47	510	2 - MC 10 x 33.6 ±90K	2 - MC 10 x 33.6 ±100K		9 1/4	6	2 PL 11 x 1 1/8	5/8
45	WG46	580	2 - WT 5 x 56 ⚠ ±140K	2 - WT 5 x 56 ±170K		7 3/4	8		
45	WG45	560	⚠ ±155K	⚠ ±155K	BUTT WELD.	7 3/4	8		
43	WG44	540	⚠ ±188K	⚠ ±200K		7 7/16	8	2 PL 11 x 1 1/2	
43 W14 x 550	WG43 W36 x 245	670	⚠ ±245K	⚠ ±235K		6 3/4	10	11 x 1 3/8	3/4
16 W14 x 605	WG16 W36 x 194	660	2 - WT 5 x 56 ±250K	2 - WT 5 x 56 ±220K		10 1/8	10	2 PL 11 x 1 1/2	
16 —	WG17	450	2 - MC 10 x 33.6 ±130K	2 - MC 10 x 33.6 ±160K		11 3/16	6	2 PL 11 x 1	7/16
18 W14 x 455	WG18	470	⚠ ±183K	⚠ ±170K		9 5/8	6	2 PL	
18	WG19	380	±110K	±110K		9 5/8	6		
20	WG20	370	±110K	±110K		9 5/8	6		
20	WG21	370	±100K	±110K		9 11/16	6		
22	WG22	370	±100K	±100K		9 5/8	6		
22	WG23	360	⚠ ±100K	±100K		9 5/8	6		
24	WG24	360	2 - MC 10 x 33.6 ±115K	2 - MC 10 x 33.6 ±120K	⚠	9 5/8	6		
24	WG25	470	2 - WT 5 x 56 ±180K	2 - WT 5 x 56 ±175K	⚠	7 5/8	8	11 x 1 1/8	5/8
26	WG26	470	⚠ ±165K	±175K	⚠	9 1/8	8	2 PL	
26 W14 x 455	WG27 W36 x 194	480	⚠ ±190K	±180K	⚠ —	9 1/8	8	2 PL	—
			TOP & BTM. FLG. CONN.						
56 W14 x 550	WG57 W36 x 245	580	14 — 12 x 7/8 x 2'-0 1/2						
56	WG56	760	18 — 12 x 1 1/8 x 2'-6 1/2						
54	WG55	580	14 — 12 x 7/8 x 2'-0 1/2						
54	WG54	530	14						
52	WG53	510	14						
52	WG52	510	14						
50	WG51	510	14						
50	WG50	500	14						
48	WG49	500	14						
48	WG48	490	14						
46	WG47	510	14						
46	WG46	580	14						
44	WG45	560	14						
44 W14 x 550	WG44 W36 x 245	540	14 —						
17 W14 x 455	WG17 W36 x 194	450	12 — 12 x 3/4 x 1'-9 1/2						
17	WG18	470	12						
19	WG19	380	12						
19	WG20	370	12						
21	WG21	370	12						
21	WG22	370	12						
23	WG23	360	12						
23	WG24	360	12						
25	WG25	470	12						
25 W14 x 455	WG26	470	12						
27 W14 x 605	WG27	480	12 —						
27 —	WG28 W36 x 194	650	16 — 12 x 1 x 2'-3 1/2						

STEEL GRADES — COL., BMS., BRACING - A36
CONN. MAT'L G40.21-44W

WELDING — E70 SERIES ELECTRODES

BOLTS — ALL 1"ϕ A490F WITH 2/WASH. EACH
BRACING AND FLG. CONN^{S}. (O.V.S HLS. IN ℄): 19.9K 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} E23, E122

REVISED			
DATE ____ BY ____	OPEN HOLES ____	23RD 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 FR
DATE ____ BY ____	FIELD PAINT ____	EMERY ROTH & SONS P.C. ARCHITECT	MADE BY JM DATE JUNE 25 CHKD. BY ✓ DATE
DATE July 26 BY JM	INSPECTION ____	IRWIN G. CANTOR P.C. ENGINEER	CONT. No. 84-15 SHEET 9164

X39 & APP ⚠