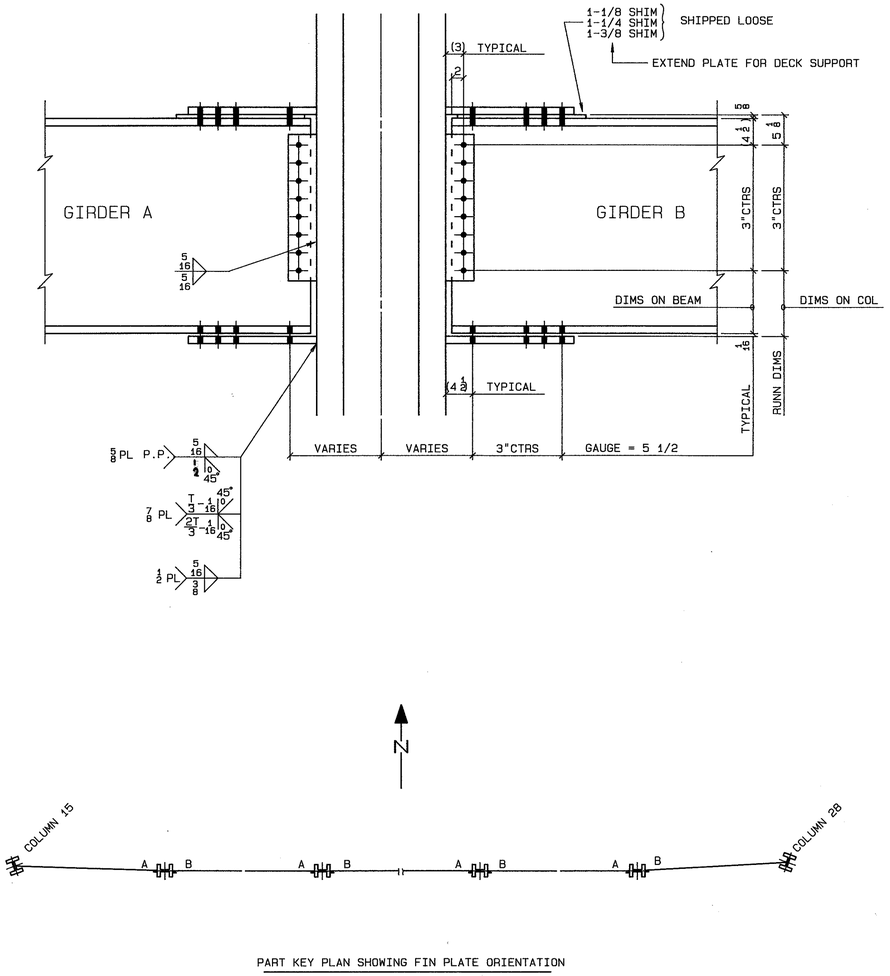
COL NO.	FLOOR	COL. SIZE	GIRDER A									GIRDER B								
			WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE	WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE
16	29	W14X605	WG-16	W36X170	SLOPING	630	122	14	12X7/8X2-0 1/2	8	5X1/2X(2.0) 1/2 B@753	WG-17	W36X170		400	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753
17	29	W14X455	WG-17	W36X170		400	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753	WG-18	W36X170		410	95	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
18	29	W14X426	WG-18	W36X170		410	95	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-19	W36X170		370	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
19	29	W14X426	WG-19	W36X170		370	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-20	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
20	29	W14X426	WG-20	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-21	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
21	29	W14X426	WG-21	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-22	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
22	29	W14X426	WG-22	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-23	W36X170		340	87	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
23	29	W14X426	WG-23	W36X170		340	87	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-24	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
24	29	W14X426	WG-24	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-25	W36X170		450	89	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
25	29	W14X426	WG-25	W36X170		450	89	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-26	W36X170		410	92	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
26	29	W14X455	WG-26	W36X170		410	92	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-27	W36X170		440	96	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
27	29	W14X605	WG-27	W36X170		440	96	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-28	W36X170	SLOPING	610	104	14	12X7/8X2-0 1/2	7	5X1/2X1-9 1/2 A@753
16	30 & 31	W14X550	WG-16	W36X170	SLOPING	630	122	14	12X7/8X2-0 1/2	8	5X1/2X(2.0) 1/2 B@753	WG-17	W36X170		400	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753
17	30 & 31	W14X455	WG-17	W36X170		400	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753	WG-18	W36X170		410	95	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
18	30 & 31	W14X426	WG-18	W36X170		410	95	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-19	W36X170		370	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
19	30 & 31	W14X426	WG-19	W36X170		370	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-20	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
20	30 & 31	W14X426	WG-20	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-21	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
21	30 & 31	W14X426	WG-21	W36X170		360	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-22	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
22	30 & 31	W14X426	WG-22	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-23	W36X170		340	87	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
23	30 & 31	W14X426	WG-23	W36X170		340	87	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-24	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
24	30 & 31	W14X426	WG-24	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-25	W36X170		450	89	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
25	30 & 31	W14X426	WG-25	W36X170		450	89	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-26	W36X170		410	92	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
26	30 & 31	W14X455	WG-26	W36X170		410	92	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-27	W36X170		440	96	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
27	30 & 31	W14X550	WG-27	W36X170		440	96	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-28	W36X170	SLOPING	610	104	14	12X7/8X2-0 1/2	7	5X1/2X1-9 1/2 A@753
16	32 & 33	W14X500	WG-16	W36X170	SLOPING	580	116	14	12X7/8X2-0 1/2	7	5X1/2X1-9 1/2 A753	WG-17	W36X170		360	102	8	12X1/2X1-3 1/2 K752	7	5X1/2X1-9 1/2 A@753
17	32 & 33	W14X426	WG-17	W36X170		360	102	8	12X1/2X1-3 1/2 K752	7	5X1/2X1-9 1/2 A@753	WG-18	W36X170		390	93	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
18	32 & 33	W14X426	WG-18	W36X170		390	93	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-19	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
19	32 & 33	W14X398	WG-19	W36X170		350	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-20	W36X170		330	86	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
20	32 & 33	W14X398	WG-20	W36X170		330	86	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-21	W36X170		330	86	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
21	32 & 33	W14X398	WG-21	W36X170		330	86	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-22	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
22	32 & 33	W14X398	WG-22	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-23	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
23	32 & 33	W14X398	WG-23	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-24	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
24	32 & 33	W14X398	WG-24	W36X170		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-25	W36X170		430	87	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
25	32 & 33	W14X426	WG-25	W36X170		430	87	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-26	W36X170		390	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
26	32 & 33	W14X426	WG-26	W36X170		390	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-27	W36X170		400	91	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
27	32 & 33	W14X500	WG-27	W36X170		400	91	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-28	W36X170	SLOPING	570	100	14	12X7/8X2-0 1/2	7	5X1/2X1-9 1/2 A@753



PART KEY PLAN SHOWING FIN PLATE ORIENTATION

NOTES

STEEL GRADES BEAMS A36, COLS A36, CONN MAT'L 44W
WELDING E70 SERIES ELECTRODES

BOLTS
FLG CONNECTIONS 1"A490F (OVS HLS) 14.9 KIPS
(1 1/16 HLS IN FLGS-1 3/16 HLS IN PLS) 2/WASH EACH BOLT
WEB CONNECTIONS 1"A490F (STD HLS) 17.3 KIPS

REV #	DESCRIPTION	DATE	MADE BY	X NO.
1	TO APPROV.	MAY85	GM	

SPEC AS NOTED				FRANKEL STEEL LIMITED			
HOLES AS NOTED				220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2			
FINISH							
MADE WJF	DATE APR/85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT	DWG. NO.	REV
CHK'D GM	DATE MAY 14/85	FR	DETAIL: WG-16 TO WG-28 29TH FL TO 33RD FL	84-152	9137	