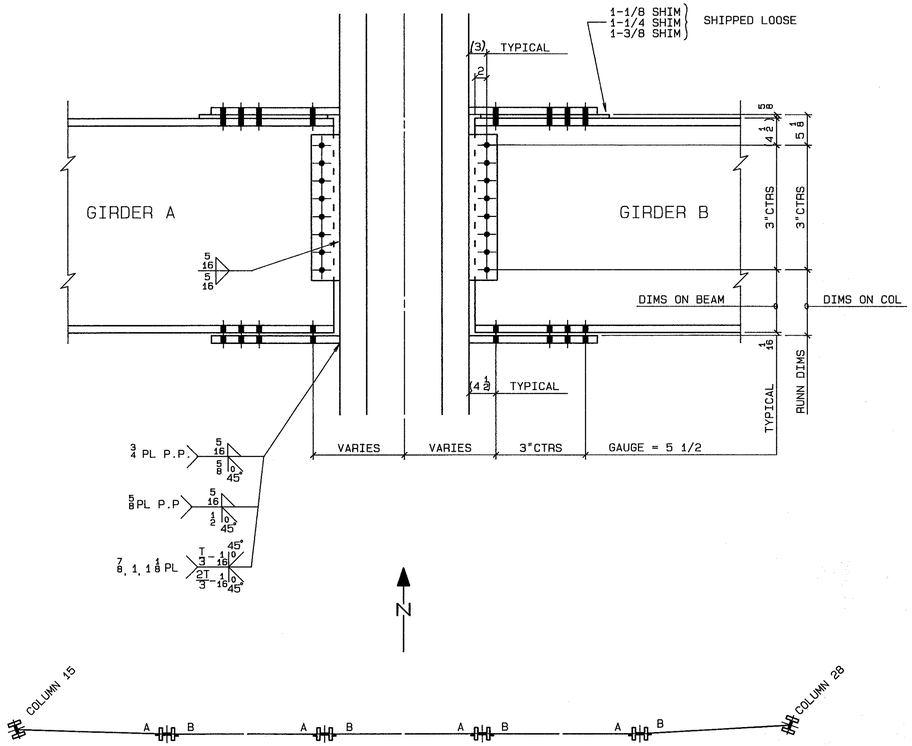
COL NO.	FLOOR	COL. SIZE	GIRDER A									GIRDER B								
			WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE	WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE
16	B TO 10	W14X665	WG-16	W36X230	SLOPING	710	132	16	12X1X2-3 1/2	8	5X1/2X2-0 1/2 B753	WG-17	W36X230		480	120	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
17	B TO 10	W14X550	WG-17	W36X230		480	120	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
18	B TO 10	W14X550	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-19	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
19	B TO 10	W14X550	WG-19	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-20	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
20	B TO 10	W14X550	WG-20	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-21	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
21	B TO 10	W14X550	WG-21	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-22	W36X230		460	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
22	B TO 10	W14X550	WG-22	W36X230		460	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-23	W36X230		460	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
23	B TO 10	W14X550	WG-23	W36X230		460	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-24	W36X230		440	98	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
24	B TO 10	W14X550	WG-24	W36X230		440	98	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-25	W36X230		510	94	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
25	B TO 10	W14X550	WG-25	W36X230		510	94	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-26	W36X230		520	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
26	B TO 10	W14X550	WG-26	W36X230		520	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
27	B TO 10	W14X665	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-28	W36X230	SLOPING	540	98	14	12X7/8X2-0 1/2 [redacted]	6	5X1/2X1-6 1/2 C753
16	11TO 13	W14X665	WG-16	W36X230	SLOPING	780	140	18	12X1 1/8X2-6 1/2 [redacted]	9	5X1/2X2-3 1/2 D753	WG-17	W36X230		470	119	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
17	11TO 13	W14X550	WG-17	W36X230		470	119	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
18	11TO 13	W14X550	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-19	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
19	11TO 13	W14X550	WG-19	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-20	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
20	11TO 13	W14X550	WG-20	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-21	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
21	11TO 13	W14X550	WG-21	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-22	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
22	11TO 13	W14X550	WG-22	W36X230		470	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-23	W36X230		460	102	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
23	11TO 13	W14X550	WG-23	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-24	W36X230		440	98	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
24	11TO 13	W14X550	WG-24	W36X230		440	98	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-25	W36X230		530	96	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
25	11TO 13	W14X550	WG-25	W36X230		530	96	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-26	W36X230		520	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
26	11TO 13	W14X550	WG-26	W36X230		520	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
27	11TO 13	W14X665	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-28	W36X230	SLOPING	650	107	16	12X1X2-3 1/2 [redacted]	7	5X1/2X1-9 1/2 A753
16	14 & 15	W14X665	WG-16	W36X230	SLOPING	790	141	18	12X1 1/8X2-6 1/2 [redacted]	9	5X1/2X2-3 1/2 D753	WG-17	W36X230		470	119	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
17	14 & 15	W14X500	WG-17	W36X230		470	119	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
18	14 & 15	W14X500	WG-18	W36X230		490	104	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-19	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
19	14 & 15	W14X500	WG-19	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-20	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
20	14 & 15	W14X500	WG-20	W36X230		460	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-21	W36X230		450	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
21	14 & 15	W14X500	WG-21	W36X230		450	100	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-22	W36X230		450	99	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
22	14 & 15	W14X500	WG-22	W36X230		450	99	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-23	W36X230		450	99	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
23	14 & 15	W14X500	WG-23	W36X230		450	99	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-24	W36X230		430	97	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
24	14 & 15	W14X500	WG-24	W36X230		430	97	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-25	W36X230		530	96	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
25	14 & 15	W14X500	WG-25	W36X230		530	96	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-26	W36X230		490	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753
26	14 & 15	W14X500	WG-26	W36X230		490	101	12	12X3/4X1-9 1/2 A752	6	5X1/2X1-6 1/2 C753	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
27	14 & 15	W14X665	WG-27	W36X230		530	105	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-28	W36X230	SLOPING	670	109	16	12X1X2-3 1/2 [redacted]	7	5X1/2X1-9 1/2 A753



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

July 8/85E

REV #	DESCRIPTION	DATE	MADE BY	X NO.
2				
1	GENERAL REVISION	2/4/85	M.X.	

SPEC	AS NOTED	FRANKEL STEEL LIMITED					
HOLES	AS NOTED	220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2					
FINISH							
MADE WJF	DATE MAR/85	SQUAD	PROJECT: 7 WORLD TRADE CENTER		CONTRACT	DWG. NO.	REV
CHK'D GM	DATE APR 4/85	FR	DETAIL: WG-16 TO WG-28 8TH FL TO 15TH FL		84-15	9103	