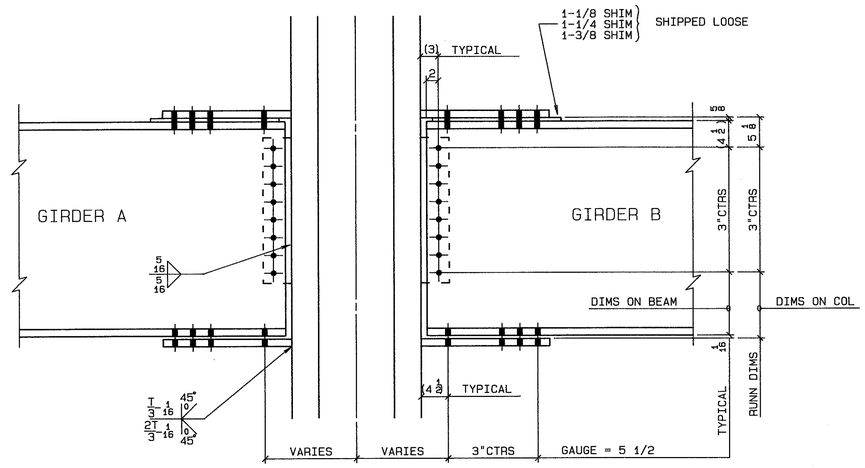
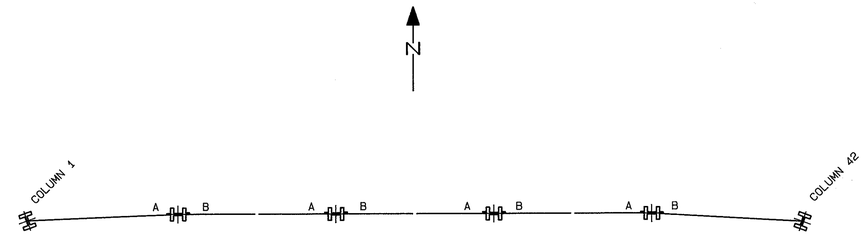
COL NO.	FLOOR	COL. SIZE	GIRDER A									GIRDER B								
			WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE	WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE
57	18 & 19	W14X605	WG-58	W36X280	SLOPING	850	133	20	12X1 1/4X2-9 1/2 [illegible]	8	5X1/2X2-0 1/2 B753	WG-57	W36X280		660	121	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
56	18 & 19	W14X605	WG-57	W36X280		660	121	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-56	W36X280		850	143	20	12X1 1/4X2-9 1/2 D752	9	5X1/2X2-3 1/2 D753
55	18 & 19	W14X550	WG-56	W36X280		850	143	20	12X1 1/4X2-9 1/2 D752	9	5X1/2X2-3 1/2 D753	WG-55	W36X280		660	119	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
54	18 & 19	W14X550	WG-55	W36X280		660	119	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-54	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
53	18 & 19	W14X550	WG-54	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-53	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
52	18 & 19	W14X550	WG-53	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-52	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
51	18 & 19	W14X550	WG-52	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-51	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
50	18 & 19	W14X550	WG-51	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-50	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
49	18 & 19	W14X550	WG-50	W36X280		610	117	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-49	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
48	18 & 19	W14X550	WG-49	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-48	W36X280		590	115	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
47	18 & 19	W14X550	WG-48	W36X280		590	115	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-47	W36X280		600	123	14	12X7/8X2-0 1/2 H752	8	5X1/2X2-0 1/2 B753
46	18 & 19	W14X550	WG-47	W36X280		600	123	14	12X7/8X2-0 1/2 H752	8	5X1/2X2-0 1/2 B753	WG-46	W36X280		670	108	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
45	18 & 19	W14X550	WG-46	W36X280		670	108	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-45	W36X280		650	107	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
44	18 & 19	W14X605	WG-45	W36X280		650	107	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-44	W36X280		610	101	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
43	18 & 19	W14X605	WG-44	W36X280		610	101	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-43	W36X280	SLOPING	700	103	16	12X1X2-3 1/2 [illegible]	7	5X1/2X1-9 1/2 A753
57	20 & 21	W14X550	WG-58	W36X280	SLOPING	820	130	20	12X1 1/4X2-9 1/2 [illegible]	8	5X1/2X2-0 1/2 B753	WG-57	W36X280		650	120	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
56	20 & 21	W14X550	WG-57	W36X280		650	120	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-56	W36X280		850	143	20	12X1 1/4X2-9 1/2 D752	9	5X1/2X2-3 1/2 D753
55	20 & 21	W14X550	WG-56	W36X280		850	143	20	12X1 1/4X2-9 1/2 D752	9	5X1/2X2-3 1/2 D753	WG-55	W36X280		670	120	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
54	20 & 21	W14X550	WG-55	W36X280		670	120	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-54	W36X280		620	119	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
53	20 & 21	W14X550	WG-54	W36X280		620	119	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-53	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
52	20 & 21	W14X550	WG-53	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-52	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
51	20 & 21	W14X550	WG-52	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-51	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
50	20 & 21	W14X550	WG-51	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-50	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
49	20 & 21	W14X550	WG-50	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-49	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
48	20 & 21	W14X550	WG-49	W36X280		600	116	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-48	W36X280		590	115	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
47	20 & 21	W14X550	WG-48	W36X280		590	115	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-47	W36X280		600	123	14	12X7/8X2-0 1/2 H752	8	5X1/2X2-0 1/2 B753
46	20 & 21	W14X550	WG-47	W36X280		600	123	14	12X7/8X2-0 1/2 H752	8	5X1/2X2-0 1/2 B753	WG-46	W36X280		670	108	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753
45	20 & 21	W14X550	WG-46	W36X280		670	108	16	12X1X2-3 1/2 B752	7	5X1/2X1-9 1/2 A753	WG-45	W36X280		630	105	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753
44	20 & 21	W14X550	WG-45	W36X280		630	105	14	12X7/8X2-0 1/2 H752	7	5X1/2X1-9 1/2 A753	WG-44	W36X280		600	100	14	12X7/8X2-0 1/2 H752	6	5X1/2X1-6 1/2 C753
43	20 & 21	W14X550	WG-44	W36X280		600	100	14	12X7/8X2-0 1/2 H752	6	5X1/2X1-6 1/2 C753	WG-43	W36X280	SLOPING	700	103	16	12X1X2-3 1/2 [illegible]	6	5X1/2X1-6 1/2 C753





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.
1	GENERAL REVISION	8/4/85	M.X.	

SPEC	AS NOTED						
HOLES	AS NOTED						
FINISH							
MADE	WJF	DATE	MAR/85	SQUAD	PROJECT:	7 WORLD TRADE CENTER	CONTRACT 84-15
CHK'D	GM	DATE	2APR 12/85	FR	DETAIL:	WG-43 TO WG-58 18TH FL TO 21ST FL	DWG. NO. 9110 REV

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5Z2