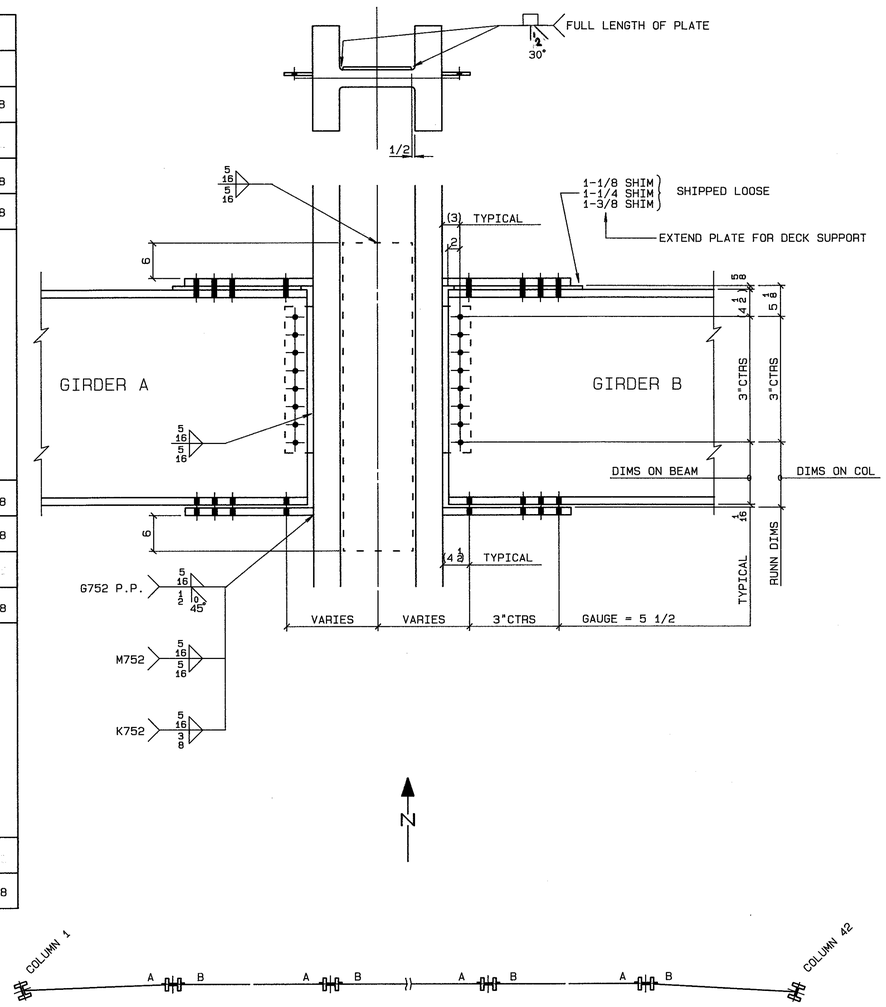
COL NO.	FLOOR	COL. SIZE	GIRDER A									GIRDER B									DOUBLER PLATE
			WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE	WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	FLANGE PLATE	WEB BOLT	WEB PLATE	
57	42	W14X159	WG-58	W36X182	SLOPING	310	80	8	12X1/2X1-3 1/2 C753	6	5X1/2X1-6 1/2 C753	WG-57	W36X182		240	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
56	42	W14X159 A572GR50	WG-57	W36X182		240	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-56	W36X182		440	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753	
55	42	W14X193	WG-56	W36X182		440	108	10	12X5/8X1-6 1/2 G752	7	5X1/2X1-9 1/2 A753	WG-55	W36X182		310	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
54	42	W14X193	WG-55	W36X182		310	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-54	W36X182		300	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
53	42	W14X233	WG-54	W36X182		300	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-53	W36X182		290	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
52	42	W14X233	WG-53	W36X182		290	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-52	W36X182		310	84	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
51	42	W14X283	WG-52	W36X182		310	84	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-51	W36X182		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
50	42	W14X283	WG-51	W36X182		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-50	W36X182		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
49	42	W14X283	WG-50	W36X182		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-49	W36X182		310	84	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
48	42	W14X233	WG-49	W36X182		310	84	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-48	W36X182		280	81	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
47	42	W14X233	WG-48	W36X182		280	81	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-47	W36X182		300	91	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
46	42	W14X193	WG-47	W36X182		300	91	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-46	W36X182		330	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
45	42	W14X193	WG-46	W36X182		330	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-45	W36X182		320	78	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
44	42	W14X159 A572GR50	WG-45	W36X182		320	78	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-44	W36X182		240	70	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
43	42	W14X159	WG-44	W36X182		240	70	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-43	W36X182	SLOPING	310	74	8	12X1/2X1-3 1/2	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
57	43	W14X159	WG-58	W36X150	SLOPING	240	74	6	12X1/2X1-0 1/2	6	5X1/2X1-6 1/2 C753	WG-57	W36X150		200	71	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
56	43	W14X159 A572GR50	WG-57	W36X150		200	71	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-56	W36X150		370	102	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	
55	43	W14X193	WG-56	W36X150		370	102	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-55	W36X150		250	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	11 1/2X3/8
54	43	W14X193	WG-55	W36X150		250	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-54	W36X150		220	74	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
53	43	W14X233	WG-54	W36X150		220	74	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-53	W36X150		210	73	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
52	43	W14X233	WG-53	W36X150		210	73	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-52	W36X150		240	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
51	43	W14X283	WG-52	W36X150		240	76	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-51	W36X150		250	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
50	43	W14X283	WG-51	W36X150		250	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-50	W36X150		250	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
49	43	W14X283	WG-50	W36X150		250	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-49	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
48	43	W14X233	WG-49	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-48	W36X150		200	72	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
47	43	W14X233	WG-48	W36X150		200	72	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-47	W36X150		220	83	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
46	43	W14X193	WG-47	W36X150		220	83	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-46	W36X150		270	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
45	43	W14X193	WG-46	W36X150		270	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-45	W36X150		270	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	
44	43	W14X159 A572GR50	WG-45	W36X150		270	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-44	W36X150		200	67	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	
43	43	W14X159	WG-44	W36X150		200	67	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-43	W36X150	SLOPING	240	68	6	12X1/2X1-0 1/2	6	5X1/2X1-6 1/2 C753	



PART KEY PLAN SHOWING FIN PLATE ORIENTATION

NOTES

STEEL GRADES BEAMS A36, COLS A36 U/N, 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.

SPEC AS NOTED				FRANKEL STEEL LIMITED			
HOLES AS NOTED				220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2			
FINISH							
MADE WJF/MK	DATE 10APR85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT	DWG. NO.	REV
CHK'D GM	DATE MAY 15/85	FR	DETAIL: WG-43 TO WG-58 42ND FL TO 43RD FL	84-152	9147	