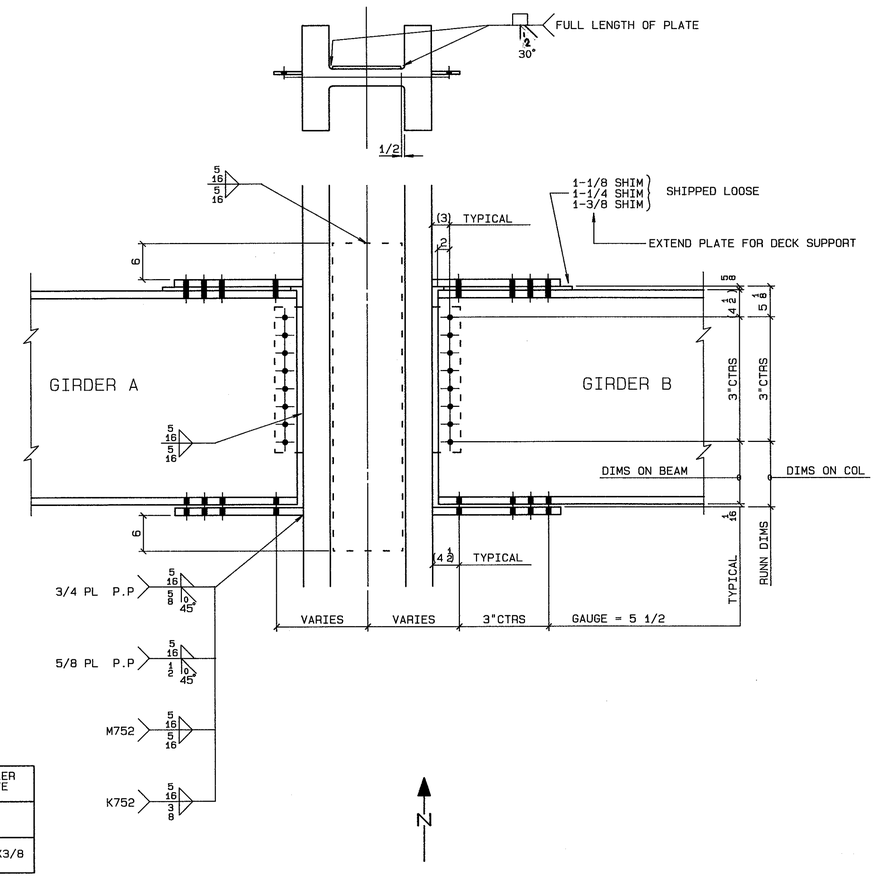
ZONE 4

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	38 & 39	W14X257	WG-58	W36X194	SLOPING	380	87	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753	WG-57	W36X194		300	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
56	38 & 39	W14X257	WG-57	W36X194		300	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-56	W36X194		500	113	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753
55	38 & 39	W14X283	WG-56	W36X194		500	113	12	12X3/4X1-9 1/2 A752	7	5X1/2X1-9 1/2 A753	WG-55	W36X194		360	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
54	38 & 39	W14X283	WG-55	W36X194		360	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-54	W36X194		340	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
53	38 & 39	W14X311	WG-54	W36X194		340	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-53	W36X194		300	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
52	38 & 39	W14X311	WG-53	W36X194		300	83	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-52	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
51	38 & 39	W14X342	WG-52	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-51	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
50	38 & 39	W14X342	WG-51	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-50	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
49	38 & 39	W14X342	WG-50	W36X194		350	89	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-49	W36X194		340	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
48	38 & 39	W14X311	WG-49	W36X194		340	88	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-48	W36X194		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
47	38 & 39	W14X311	WG-48	W36X194		320	85	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-47	W36X194		340	96	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
46	38 & 39	W14X283	WG-47	W36X194		340	96	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-46	W36X194		380	83	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
45	38 & 39	W14X283	WG-46	W36X194		380	83	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-45	W36X194		370	82	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
44	38 & 39	W14X257	WG-45	W36X194		370	82	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-44	W36X194		290	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
43	38 & 39	W14X257	WG-44	W36X194		290	74	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-43	W36X194	SLOPING	380	79	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753
57	40 & 41	W14X193	WG-58	W36X182	SLOPING	310	80	8	12X1/2X1-3 1/2	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
56	40 & 41	W14X193	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	40 & 41	W14X233	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
54	40 & 41	W14X233	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
53	40 & 41	W14X283	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	40 & 41	W14X283	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	40 & 41	W14X311	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	40 & 41	W14X311	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	40 & 41	W14X311	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	40 & 41	W14X283	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	40 & 41	W14X283	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	40 & 41	W14X233	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
45	40 & 41	W14X233	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
44	40 & 41	W14X193 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	40 & 41	W14X193	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

DOUBLER PLATE
11 1/2X3/8



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 09APR85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT	DWG. NO.	REV
CHK'D GM	DATE MAY 15/85	FR	DETAIL: WG-43 TO WG-58 38TH FL TO 41ST FL	84-152	9146	