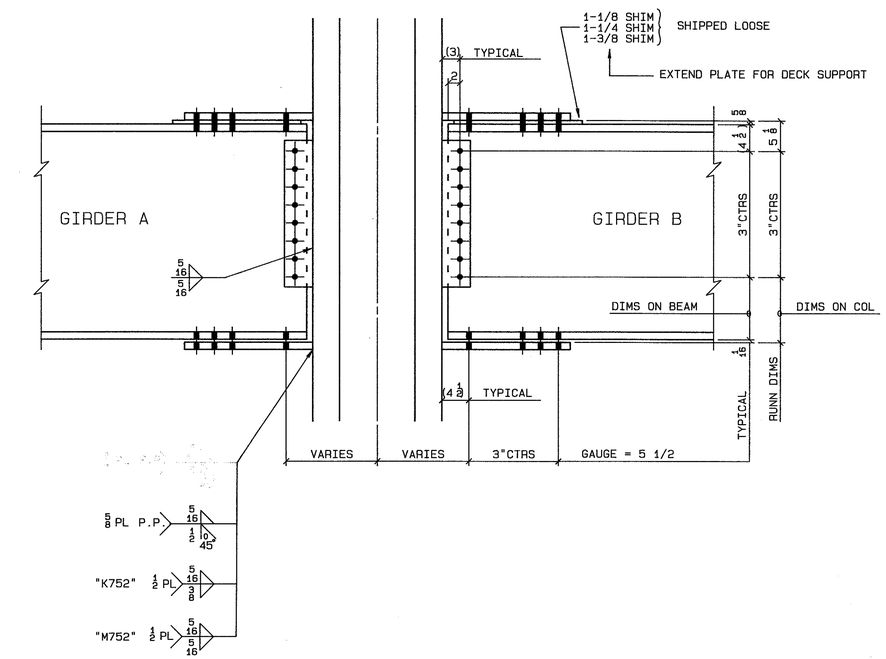
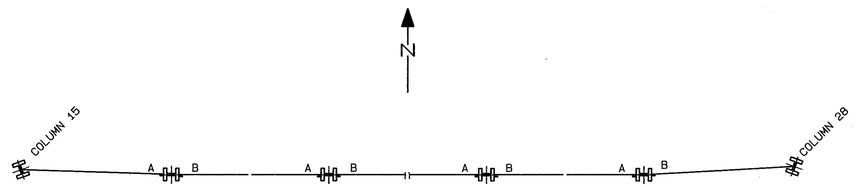
ZONE 4

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
16	38 & 39	W14X311	WG-16	W36X150	SLOPING	420	98	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753	WG-17	W36X150		260	88	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
17	38 & 39	W14X311	WG-17	W36X150		260	88	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-18	W36X150		290	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
18	38 & 39	W14X311	WG-18	W36X150		290	82	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-19	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
19	38 & 39	W14X311	WG-19	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-20	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
20	38 & 39	W14X311	WG-20	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-21	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
21	38 & 39	W14X311	WG-21	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-22	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
22	38 & 39	W14X311	WG-22	W36X150		260	78	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-23	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
23	38 & 39	W14X311	WG-23	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-24	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
24	38 & 39	W14X311	WG-24	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-25	W36X150		340	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
25	38 & 39	W14X311	WG-25	W36X150		340	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-26	W36X150		280	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
26	38 & 39	W14X311	WG-26	W36X150		280	79	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-27	W36X150		390	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753
27	38 & 39	W14X311	WG-27	W36X150		390	90	10	12X5/8X1-6 1/2 G752	6	5X1/2X1-6 1/2 C753	WG-28	W36X150	SLOPING	420	87	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753
16	40 & 41	W14X233	WG-16	W36X150	SLOPING	370	92	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753	WG-17	W36X150		220	82	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
17	40 & 41	W14X233	WG-17	W36X150		220	82	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-18	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
18	40 & 41	W14X233	WG-18	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-19	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
19	40 & 41	W14X233	WG-19	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-20	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
20	40 & 41	W14X257	WG-20	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-21	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
21	40 & 41	W14X257	WG-21	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-22	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
22	40 & 41	W14X257	WG-22	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-23	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
23	40 & 41	W14X257	WG-23	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-24	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
24	40 & 41	W14X233	WG-24	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-25	W36X150		310	77	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
25	40 & 41	W14X233	WG-25	W36X150		310	77	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-26	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
26	40 & 41	W14X233	WG-26	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-27	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
27	40 & 41	W14X233	WG-27	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-28	W36X150	SLOPING	360	82	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753
16	42	W14X193	WG-16	W36X150	SLOPING	370	92	10	12X5/8X1-6 1/2	6	5X1/2X1-6 1/2 C753	WG-17	W36X150		220	82	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
17	42	W14X193	WG-17	W36X150		220	82	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-18	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
18	42	W14X211	WG-18	W36X150		250	77	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-19	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
19	42	W14X211	WG-19	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-20	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
20	42	W14X233	WG-20	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-21	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
21	42	W14X233	WG-21	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-22	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
22	42	W14X233	WG-22	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-23	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
23	42	W14X233	WG-23	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-24	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
24	42	W14X211	WG-24	W36X150		230	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-25	W36X150		310	77	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753
25	42	W14X211	WG-25	W36X150		310	77	8	12X1/2X1-3 1/2 K752	6	5X1/2X1-6 1/2 C753	WG-26	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
26	42	W14X193	WG-26	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-27	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753
27	42	W14X193	WG-27	W36X150		240	75	6	12X1/2X1-0 1/2 M752	6	5X1/2X1-6 1/2 C753	WG-28	W36X150	SLOPING	360	82	10	12X5/8X1-6 1/2	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

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	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 38TH FL TO 42ND FL		84-152	9139		