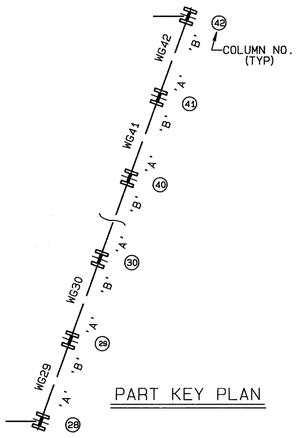
WIND GIRDERS (EAST WALL)

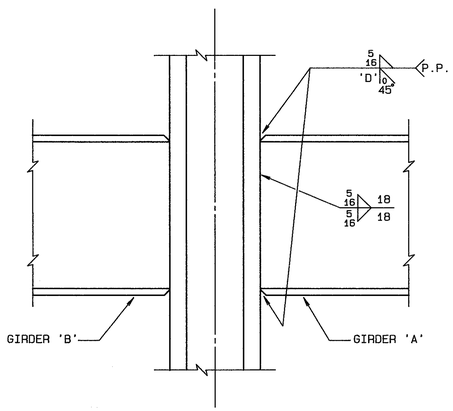
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
136/13	WG29	25	W36X194	B75B	670	129	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/14	WG30	25	W36X194	A75B	590	120	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG31	25	W36X194		600	122	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG32	25	W36X194		640	150	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG33	25	W36X194		680	138	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG34	25	W36X194		700	142	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG35	25	W36X194		710	144	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG36	25	W36X194		710	144	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG37	25	W36X194		690	160	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG38	25	W36X194		670	136	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG39	25	W36X194		640	130	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG40	25	W36X194		590	120	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG41	25	W36X194		570	116	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/15	WG42	25	W36X194	C75B	610	127	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/13	WG29	26, 27	W36X194	B75B	660	128	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/14	WG30	26, 27	W36X194	A75B	590	120	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG31	26, 27	W36X194		610	124	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG32	26, 27	W36X194		650	152	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG33	26, 27	W36X194		670	136	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG34	26, 27	W36X194		700	142	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG35	26, 27	W36X194		700	142	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG36	26, 27	W36X194		700	142	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG37	26, 27	W36X194		690	160	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG38	26, 27	W36X194		670	136	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG39	26, 27	W36X194		640	130	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG40	26, 27	W36X194		590	120	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG41	26, 27	W36X194		570	116	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/15	WG42	26, 27	W36X194	C75B	600	125	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8



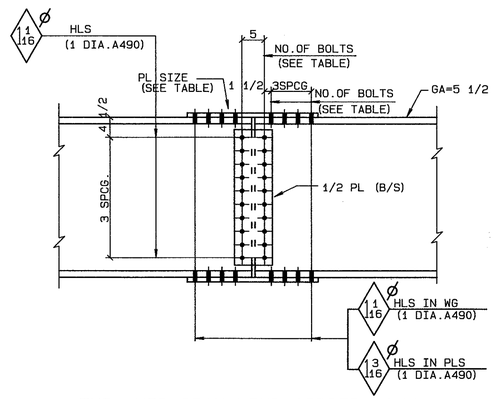
PART KEY PLAN

COLUMNS (EAST WALL)

COLUMN NO.	FLOOR	SIZE	GIRDER 'A' NO.	GIRDER 'A' SIZE	GIRDER 'A' WELD 'D'		GIRDER 'B' NO.	GIRDER 'B' SIZE	GIRDER 'B' WELD 'D'	DOUBLER PL
28	25	W14X730	WG29	W36X194	7/8		-	-	-	-
29	25	W14X500	WG30	W36X194	3/4		WG29	W36X194	7/8	-
30	25	W14X426	WG31	W36X194	7/8		WG30	W36X194	3/4	-
31	25	W14X426	WG32	W36X194	7/8		WG31	W36X194	7/8	-
32	25	W14X426	WG33	W36X194	7/8		WG32	W36X194	7/8	-
33	25	W14X426	WG34	W36X194	1		WG33	W36X194	7/8	-
34	25	W14X455	WG35	W36X194	1		WG34	W36X194	1	-
35	25	W14X455	WG36	W36X194	1		WG35	W36X194	1	-
36	25	W14X455	WG37	W36X194	7/8		WG36	W36X194	1	-
37	25	W14X426	WG38	W36X194	7/8		WG37	W36X194	7/8	-
38	25	W14X426	WG39	W36X194	7/8		WG38	W36X194	7/8	-
39	25	W14X426	WG40	W36X194	3/4		WG39	W36X194	7/8	-
40	25	W14X426	WG41	W36X194	3/4		WG40	W36X194	3/4	-
41	25	W14X500	WG42	W36X194	7/8		WG41	W36X194	3/4	-
42	25	W14X730	-	-	-		WG42	W36X194	7/8	-
28	26, 27	W14X605	WG29	W36X194	7/8		-	-	-	-
29	26, 27	W14X500	WG30	W36X194	3/4		WG29	W36X194	7/8	-
30	26, 27	W14X426	WG31	W36X194	7/8		WG30	W36X194	3/4	-
31	26, 27	W14X426	WG32	W36X194	7/8		WG31	W36X194	7/8	-
32	26, 27	W14X426	WG33	W36X194	7/8		WG32	W36X194	7/8	-
33	26, 27	W14X426	WG34	W36X194	1		WG33	W36X194	7/8	-
34	26, 27	W14X455	WG35	W36X194	1		WG34	W36X194	1	-
35	26, 27	W14X455	WG36	W36X194	1		WG35	W36X194	1	-
36	26, 27	W14X455	WG37	W36X194	7/8		WG36	W36X194	1	-
37	26, 27	W14X426	WG38	W36X194	7/8		WG37	W36X194	7/8	-
38	26, 27	W14X426	WG39	W36X194	7/8		WG38	W36X194	7/8	-
39	26, 27	W14X426	WG40	W36X194	3/4		WG39	W36X194	7/8	-
40	26, 27	W14X426	WG41	W36X194	3/4		WG40	W36X194	3/4	-
41	26, 27	W14X500	WG42	W36X194	7/8		WG41	W36X194	3/4	-
42	26, 27	W14X605	-	-	-		WG42	W36X194	7/8	-



TYP. SHOP WELDED WIND GIRDER CONN. AT COLUMN



TYP. MID SPAN WIND GIRDER CONN.

NOTES

STEEL GRADES - WIND GIRDERS A36, COLS A36, CONN MAT'L 44W
WELDING E70 SERIES ELECTRODES

BOLTS
FLG CONNECTIONS 1"A490F (OVS HLS) 14.9 KIPS/BOLT S.S.
(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/BOLT S.S.

REV #	DESCRIPTION	DATE	MADE BY	X'N NO.
2				
1				

SPEC	AS NOTED							
HOLES	AS NOTED							
FINISH								
MADE GM	DATE MAY/85	SQUAD	PROJECT: 7 WORLD TRADE CENTER			CONTRACT	DWG. NO.	REV
CHK'D WJF	DATE MAY 14/85	FR	DETAIL: WIND GIRD. CONN'S EAST ELEV. 25TH TO 27TH			84-152	9122	

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2