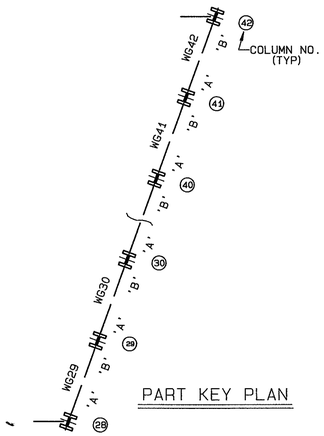
WIND GIRDERS (EAST WALL)

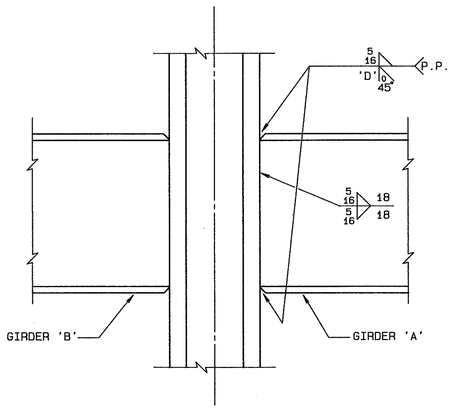
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN			
							WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
136/13	WG29	30, 31	W36X194	B758	610	120	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/14	WG30	30, 31	W36X194	A758	500	102	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG31	30, 31	W36X194		560	114	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	30, 31	W36X194		590	140	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	30, 31	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
	WG34	30, 31	W36X194		630	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
	WG35	30, 31	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
	WG36	30, 31	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
	WG37	30, 31	W36X194		620	146	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	30, 31	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
	WG39	30, 31	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
	WG40	30, 31	W36X194		550	112	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	30, 31	W36X194		490	100	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	30, 31	W36X194	C758	550	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
136/13	WG29	32, 33	W36X194	B758	510	103	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	32, 33	W36X194	A758	440	90	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	32, 33	W36X194		490	100	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	32, 33	W36X194		530	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
	WG33	32, 33	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
	WG34	32, 33	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
	WG35	32, 33	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
	WG36	32, 33	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
	WG37	32, 33	W36X194		580	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
	WG38	32, 33	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
	WG39	32, 33	W36X194		530	108	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	32, 33	W36X194		490	100	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	32, 33	W36X194		430	87	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	32, 33	W36X194	C758	460	101	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8



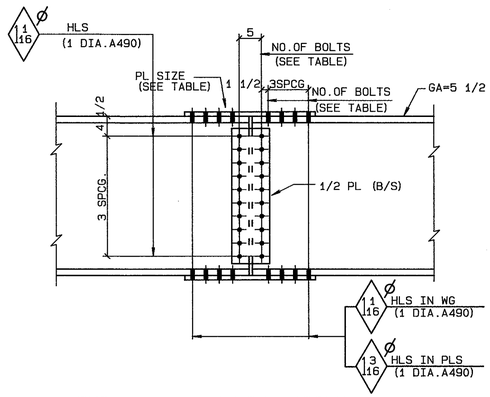
PART KEY PLAN

COLUMNS (EAST WALL)

COLUMN NO.	FLOOR	SIZE	GIRDER 'A'				GIRDER 'B'			
			NO.	SIZE	WELD 'D'		NO.	SIZE	WELD 'D'	DOUBLER PL
28	30, 31	W14X550	WG29	W36X194	7/8		-	-	-	-
29	30, 31	W14X370	WG30	W36X194	3/4		WG29	W36X194	7/8	-
30	30, 31	W14X370	WG31	W36X194	3/4		WG30	W36X194	3/4	-
31	30, 31	W14X370	WG32	W36X194	3/4		WG31	W36X194	3/4	-
32	30, 31	W14X370	WG33	W36X194	7/8		WG32	W36X194	3/4	-
33	30, 31	W14X370	WG34	W36X194	7/8		WG33	W36X194	7/8	-
34	30, 31	W14X398	WG35	W36X194	7/8		WG34	W36X194	7/8	-
35	30, 31	W14X426	WG36	W36X194	7/8		WG35	W36X194	7/8	-
36	30, 31	W14X398	WG37	W36X194	7/8		WG36	W36X194	7/8	-
37	30, 31	W14X370	WG38	W36X194	3/4		WG37	W36X194	7/8	-
38	30, 31	W14X370	WG39	W36X194	3/4		WG38	W36X194	3/4	-
39	30, 31	W14X370	WG40	W36X194	3/4		WG39	W36X194	3/4	-
40	30, 31	W14X370	WG41	W36X194	3/4		WG40	W36X194	3/4	-
41	30, 31	W14X370	WG42	W36X194	3/4		WG41	W36X194	3/4	-
42	30, 31	W14X550	-	-	-		WG42	W36X194	3/4	-
28	32, 33	W14X455	WG29	W36X194	3/4		-	-	-	-
29	32, 33	W14X342	WG30	W36X194	5/8		WG29	W36X194	3/4	-
30	32, 33	W14X342	WG31	W36X194	5/8		WG30	W36X194	5/8	-
31	32, 33	W14X342	WG32	W36X194	3/4		WG31	W36X194	5/8	-
32	32, 33	W14X370	WG33	W36X194	3/4		WG32	W36X194	3/4	-
33	32, 33	W14X370	WG34	W36X194	3/4		WG33	W36X194	3/4	-
34	32, 33	W14X398	WG35	W36X194	3/4		WG34	W36X194	3/4	-
35	32, 33	W14X398	WG36	W36X194	3/4		WG35	W36X194	3/4	-
36	32, 33	W14X398	WG37	W36X194	3/4		WG36	W36X194	3/4	-
37	32, 33	W14X370	WG38	W36X194	3/4		WG37	W36X194	3/4	-
38	32, 33	W14X370	WG39	W36X194	3/4		WG38	W36X194	3/4	-
39	32, 33	W14X342	WG40	W36X194	5/8		WG39	W36X194	3/4	-
40	32, 33	W14X342	WG41	W36X194	5/8		WG40	W36X194	5/8	-
41	32, 33	W14X342	WG42	W36X194	5/8		WG41	W36X194	5/8	-
42	32, 33	W14X455	-	-	-		WG42	W36X194	5/8	-



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 NO.
2				
1				

SPEC	AS NOTED	FRANKEL STEEL LIMITED						
HOLES	AS NOTED	220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2						
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. 30TH TO 33RD		84-152	9124		