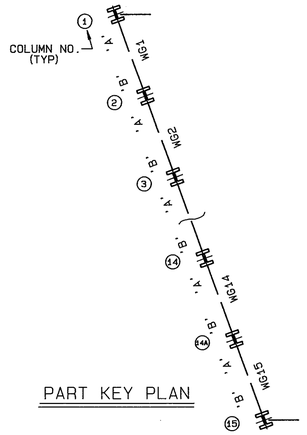
WIND GIRDERS (WEST WALL)

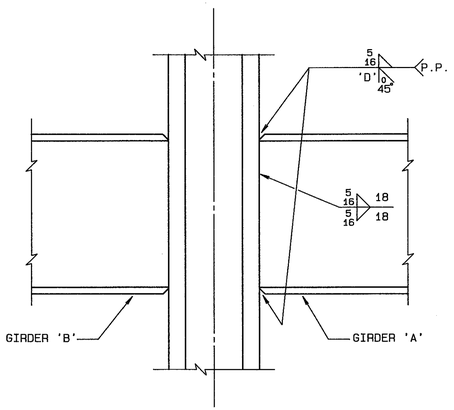
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
136/2	WG1	28	W36X210	A755	690	138	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/3	WG2	28	W36X210	B754	620	124	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/4	WG3	28	W36X210	A754	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
	WG4	28	W36X210		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
	WG5	28	W36X210		650	132	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG6	28	W36X210		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
	WG7	28	W36X210		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
	WG8	28	W36X210		780	159	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG9	28	W36X210		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
	WG10	28	W36X210		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
	WG11	28	W36X210		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
	WG12	28	W36X210		620	126	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/5	WG13	28	W36X210	B755	590	119	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/3	WG14	28	W36X210	B754	620	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
136/6	WG15	28	W36X210	C755	560	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
136/2	WG1	29	W36X210	A755	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
136/3	WG2	29	W36X210	B754	520	104	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/4	WG3	29	W36X210	A754	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
	WG4	29	W36X210		580	118	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG5	29	W36X210		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
	WG6	29	W36X210		610	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
	WG7	29	W36X210		650	132	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG8	29	W36X210		660	134	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG9	29	W36X210		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
	WG10	29	W36X210		780	159	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG11	29	W36X210		580	118	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
	WG12	29	W36X210		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
136/5	WG13	29	W36X210	B755	550	111	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/3	WG14	29	W36X210	B754	540	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
136/6	WG15	29	W36X210	C755	500	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



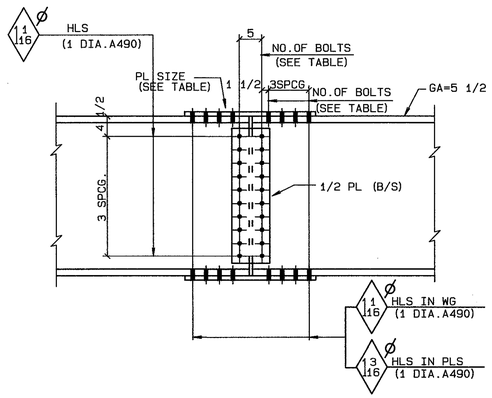
PART KEY PLAN

COLUMNS (WEST 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
1	28	W14X605	WG1	W36X210	7/8		-	-	-	-
2	28	W14X426	WG2	W36X210	7/8		WG1	W36X210	7/8	-
3	28	W14X398	WG3	W36X210	7/8		WG2	W36X210	7/8	-
4	28	W14X398	WG4	W36X210	7/8		WG3	W36X210	7/8	-
5	28	W14X398	WG5	W36X210	7/8		WG4	W36X210	7/8	-
6	28	W14X398	WG6	W36X210	7/8		WG5	W36X210	7/8	-
7	28	W14X426	WG7	W36X210	7/8		WG6	W36X210	7/8	-
8	28	W14X426	WG8	W36X210	1		WG7	W36X210	7/8	-
9	28	W14X426	WG9	W36X210	7/8		WG8	W36X210	1	-
10	28	W14X426	WG10	W36X210	7/8		WG9	W36X210	7/8	-
11	28	W14X398	WG11	W36X210	7/8		WG10	W36X210	7/8	-
12	28	W14X398	WG12	W36X210	7/8		WG11	W36X210	7/8	-
13	28	W14X398	WG13	W36X210	3/4		WG12	W36X210	7/8	-
14	28	W14X398	WG14	W36X210	7/8		WG13	W36X210	3/4	-
14A	28	W14X426	WG15	W36X210	3/4		WG14	W36X210	7/8	-
15	28	W14X605	-	-	-		WG15	W36X210	3/4	-
1	29	W14X605	WG1	W36X210	7/8		-	-	-	-
2	29	W14X426	WG2	W36X210	3/4		WG1	W36X210	7/8	-
3	29	W14X398	WG3	W36X210	3/4		WG2	W36X210	3/4	-
4	29	W14X398	WG4	W36X210	3/4		WG3	W36X210	3/4	-
5	29	W14X398	WG5	W36X210	3/4		WG4	W36X210	3/4	-
6	29	W14X398	WG6	W36X210	7/8		WG5	W36X210	3/4	-
7	29	W14X426	WG7	W36X210	7/8		WG6	W36X210	7/8	-
8	29	W14X426	WG8	W36X210	7/8		WG7	W36X210	7/8	-
9	29	W14X426	WG9	W36X210	7/8		WG8	W36X210	7/8	-
10	29	W14X426	WG10	W36X210	1		WG9	W36X210	7/8	-
11	29	W14X398	WG11	W36X210	3/4		WG10	W36X210	1	-
12	29	W14X398	WG12	W36X210	3/4		WG11	W36X210	3/4	-
13	29	W14X398	WG13	W36X210	3/4		WG12	W36X210	3/4	-
14	29	W14X398	WG14	W36X210	3/4		WG13	W36X210	3/4	-
14A	29	W14X426	WG15	W36X210	3/4		WG14	W36X210	3/4	-
15	29	W14X605	-	-	-		WG15	W36X210	3/4	-



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 WEST ELEV. 28TH & 29TH		84-152	9117		