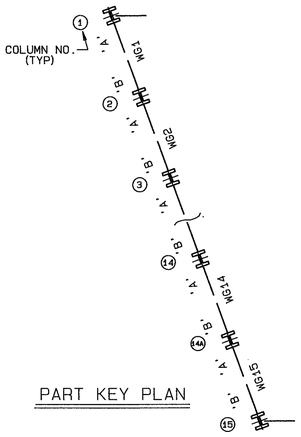
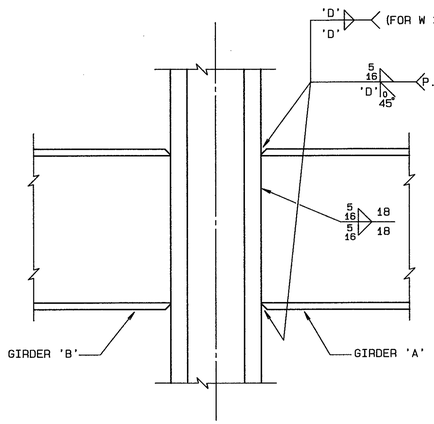
WIND GIRDERS (WEST WALL)

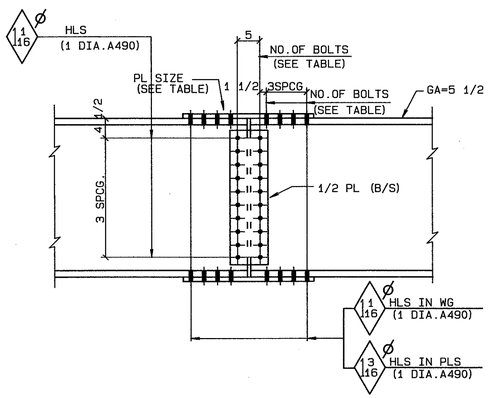
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN			
							WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
136/2	WG1	34	W36X210	A755	540	113	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/3	WG2	34	W36X210	B754	460	92	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
136/4	WG3	34	W36X210	A754	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
	WG4	34	W36X210		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
	WG5	34	W36X210		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
	WG6	34	W36X210		660	154	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	34	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
	WG8	34	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
	WG9	34	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
	WG10	34	W36X210		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
	WG11	34	W36X210		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
	WG12	34	W36X210		510	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
136/5	WG13	34	W36X210	B755	480	97	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	34	W36X210	B754	470	94	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	34	W36X210	C755	400	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
138/2	WG1	35	W36X182	A757	440	95	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
138/3	WG2	35	W36X182	B756	380	76	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
138/4	WG3	35	W36X182	A756	410	83	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	35	W36X182		460	94	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	35	W36X182		480	98	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	35	W36X182		510	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
	WG7	35	W36X182		520	106	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	35	W36X182		520	106	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	35	W36X182		510	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
	WG10	35	W36X182		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
	WG11	35	W36X182		470	96	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	35	W36X182		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
138/5	WG13	35	W36X182	B757	400	81	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
138/3	WG14	35	W36X182	B756	380	76	8 1/2 X 1/2 X 1'-6 1/2 - A787	6	9 X 3/4 X 2'-5 1/2 - A786	8
138/6	WG15	35	W36X182	C757	310	78	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



TYP. SHOP WELDED WIND GIRDER CONN. AT COLUMN



TYP. MID SPAN WIND GIRDER CONN.

COLUMNS (WEST WALL)

COLUMN NO.	FLOOR	SIZE	GIRDER 'A'				GIRDER 'B'			
			NO.	SIZE	WELD 'D'		NO.	SIZE	WELD 'D'	DOUBLER PL
1	34	W14X398	WG1	W36X210	3/4		-	-	-	-
2	34	W14X311	WG2	W36X210	5/8		WG1	W36X210	3/4	-
3	34	W14X311	WG3	W36X210	5/8		WG2	W36X210	5/8	-
4	34	W14X342	WG4	W36X210	3/4		WG3	W36X210	5/8	-
5	34	W14X342	WG5	W36X210	3/4		WG4	W36X210	3/4	-
6	34	W14X370	WG6	W36X210	7/8		WG5	W36X210	3/4	-
7	34	W14X370	WG7	W36X210	3/4		WG6	W36X210	7/8	-
8	34	W14X370	WG8	W36X210	3/4		WG7	W36X210	3/4	-
9	34	W14X370	WG9	W36X210	7/8		WG8	W36X210	3/4	-
10	34	W14X370	WG10	W36X210	3/4		WG9	W36X210	7/8	-
11	34	W14X370	WG11	W36X210	3/4		WG10	W36X210	3/4	-
12	34	W14X342	WG12	W36X210	3/4		WG11	W36X210	3/4	-
13	34	W14X342	WG13	W36X210	5/8		WG12	W36X210	3/4	-
14	34	W14X311	WG14	W36X210	5/8		WG13	W36X210	5/8	-
14A	34	W14X311	WG15	W36X210	5/8		WG14	W36X210	5/8	-
15	34	W14X398	-	-	-		WG15	W36X210	5/8	-
1	35	W14X398	WG1	W36X182	1/2		-	-	-	-
2	35	W14X311	WG2	W36X182	7/16		WG1	W36X182	1/2	-
3	35	W14X311	WG3	W36X182	7/16		WG2	W36X182	7/16	-
4	35	W14X342	WG4	W36X182	1/2		WG3	W36X182	7/16	-
5	35	W14X342	WG5	W36X182	9/16		WG4	W36X182	1/2	-
6	35	W14X370	WG6	W36X182	9/16		WG5	W36X182	9/16	-
7	35	W14X370	WG7	W36X182	9/16		WG6	W36X182	9/16	-
8	35	W14X370	WG8	W36X182	9/16		WG7	W36X182	9/16	-
9	35	W14X370	WG9	W36X182	9/16		WG8	W36X182	9/16	-
10	35	W14X370	WG10	W36X182	9/16		WG9	W36X182	9/16	-
11	35	W14X370	WG11	W36X182	1/2		WG10	W36X182	9/16	-
12	35	W14X342	WG12	W36X182	1/2		WG11	W36X182	1/2	-
13	35	W14X342	WG13	W36X182	7/16		WG12	W36X182	1/2	-
14	35	W14X311	WG14	W36X182	7/16		WG13	W36X182	7/16	-
14A	35	W14X311	WG15	W36X182	3/8		WG14	W36X182	7/16	-
15	35	W14X398	-	-	-		WG15	W36X182	3/8	-

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. 34TH & 35TH		84-152	9119	