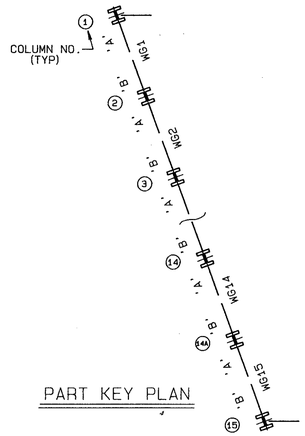
WIND GIRDERS (WEST WALL)

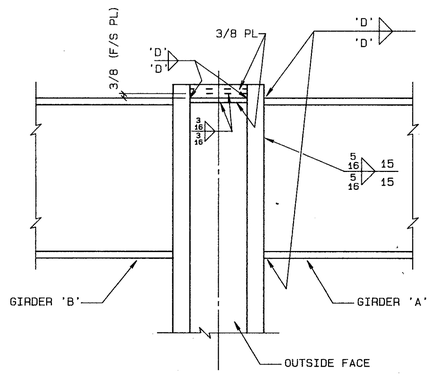
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
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171/15	WG1	ROOF	W30X99	A746	70 Δ	30	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
171/16	WG2	ROOF	W30X99	B745	60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
171/17	WG3	ROOF	W30X99	A742	60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG4	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG5	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG6	ROOF	W30X99		60	32	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG7	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG8	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG9	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG10	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG11	ROOF	W30X99		60	32	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG12	ROOF	W30X99		60	12	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
171/18	WG13	ROOF	W30X99	B746	70	14	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
171/19	WG14	ROOF	W30X99	B745	70	14	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
171/20	WG15	ROOF	W30X99	A745	50	13	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6



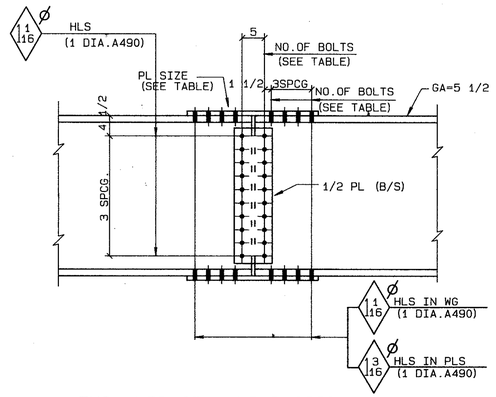
PART KEY PLAN

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
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1	ROOF	W14X90	WG1	W30X99	1/4	–	–	–	–
2	ROOF	W14X90	WG2	W30X99	1/4	WG1	W30X99	1/4	–
3	ROOF	W14X90	WG3	W30X99	1/4	WG2	W30X99	1/4	–
4	ROOF	W14X90	WG4	W30X99	1/4	WG3	W30X99	1/4	–
5	ROOF	W14X90	WG5	W30X99	1/4	WG4	W30X99	1/4	–
6	ROOF	W14X109	WG6	W30X99	5/16	WG5	W30X99	5/16	–
7	ROOF	W14X109	WG7	W30X99	5/16	WG6	W30X99	5/16	–
8	ROOF	W14X109	WG8	W30X99	5/16	WG7	W30X99	5/16	–
9	ROOF	W14X109	WG9	W30X99	5/16	WG8	W30X99	5/16	–
10	ROOF	W14X109	WG10	W30X99	5/16	WG9	W30X99	5/16	–
11	ROOF	W14X109	WG11	W30X99	5/16	WG10	W30X99	5/16	–
12	ROOF	W14X90	WG12	W30X99	1/4	WG11	W30X99	1/4	–
13	ROOF	W14X90	WG13	W30X99	1/4	WG12	W30X99	1/4	–
14	ROOF	W14X90	WG14	W30X99	1/4	WG13	W30X99	1/4	–
14A	ROOF	W14X90	WG15	W30X99	1/4	WG14	W30X99	1/4	–
15	ROOF	W14X90	–	–	–	WG15	W30X99	1/4	–



TYP. SHOP WELDED WIND GIRDER CONN. AT COLUMN (@ ROOF)



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	MOMENT-WG1	OCT/85	GM	44

SPEC	AS NOTED			FRANKEL STEEL LIMITED	
HOLES	AS NOTED			220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 582	
FINISH					
MADE GM	DATE MAY85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT	DWG. NO. REV
CHK'D WJF	DATE July/85	FR	DETAIL: WIND GIRD. CONN'S WEST ELEV. - ROOF	84-153	9131