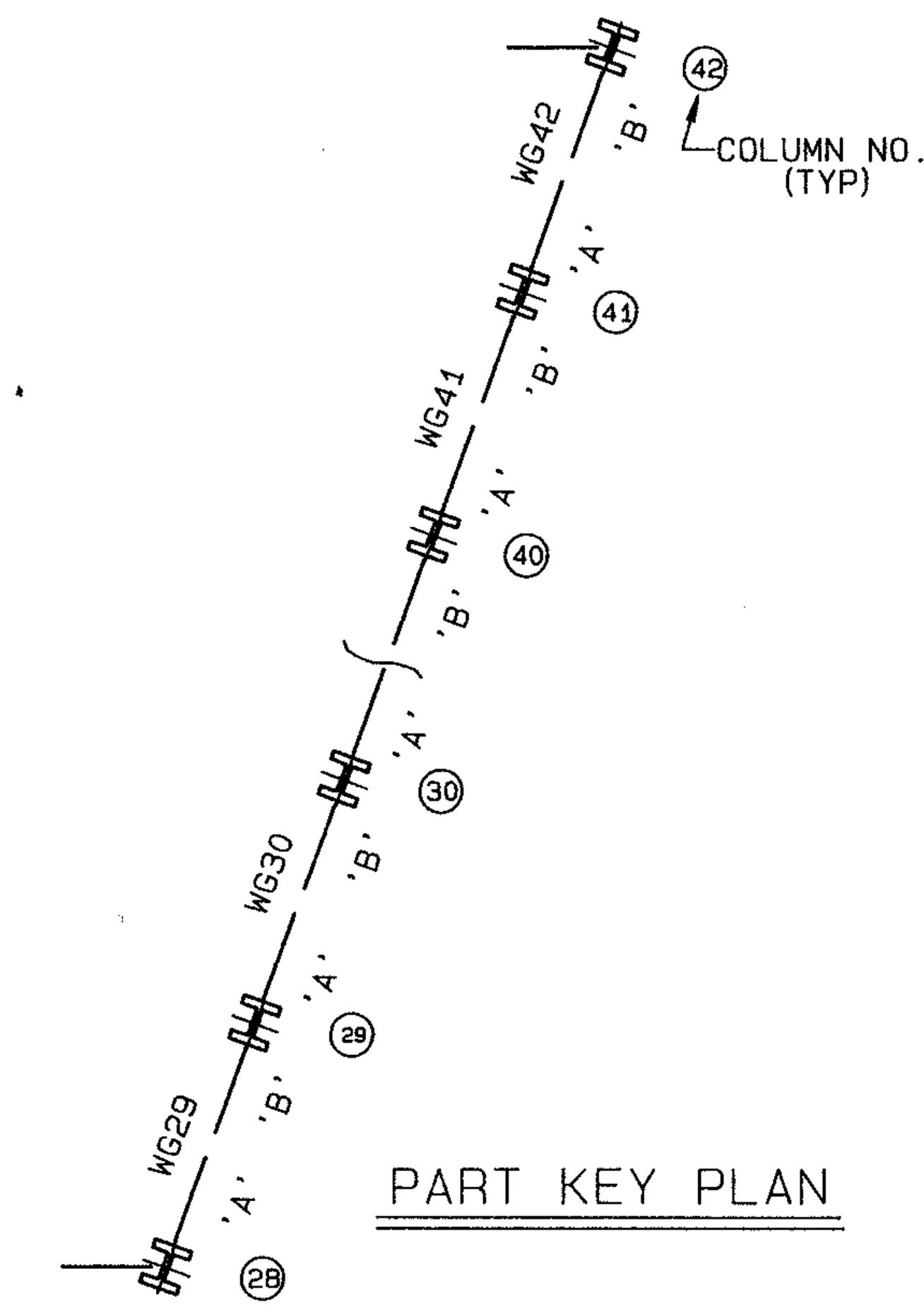
WIND GIRDERS (EAST WALL)

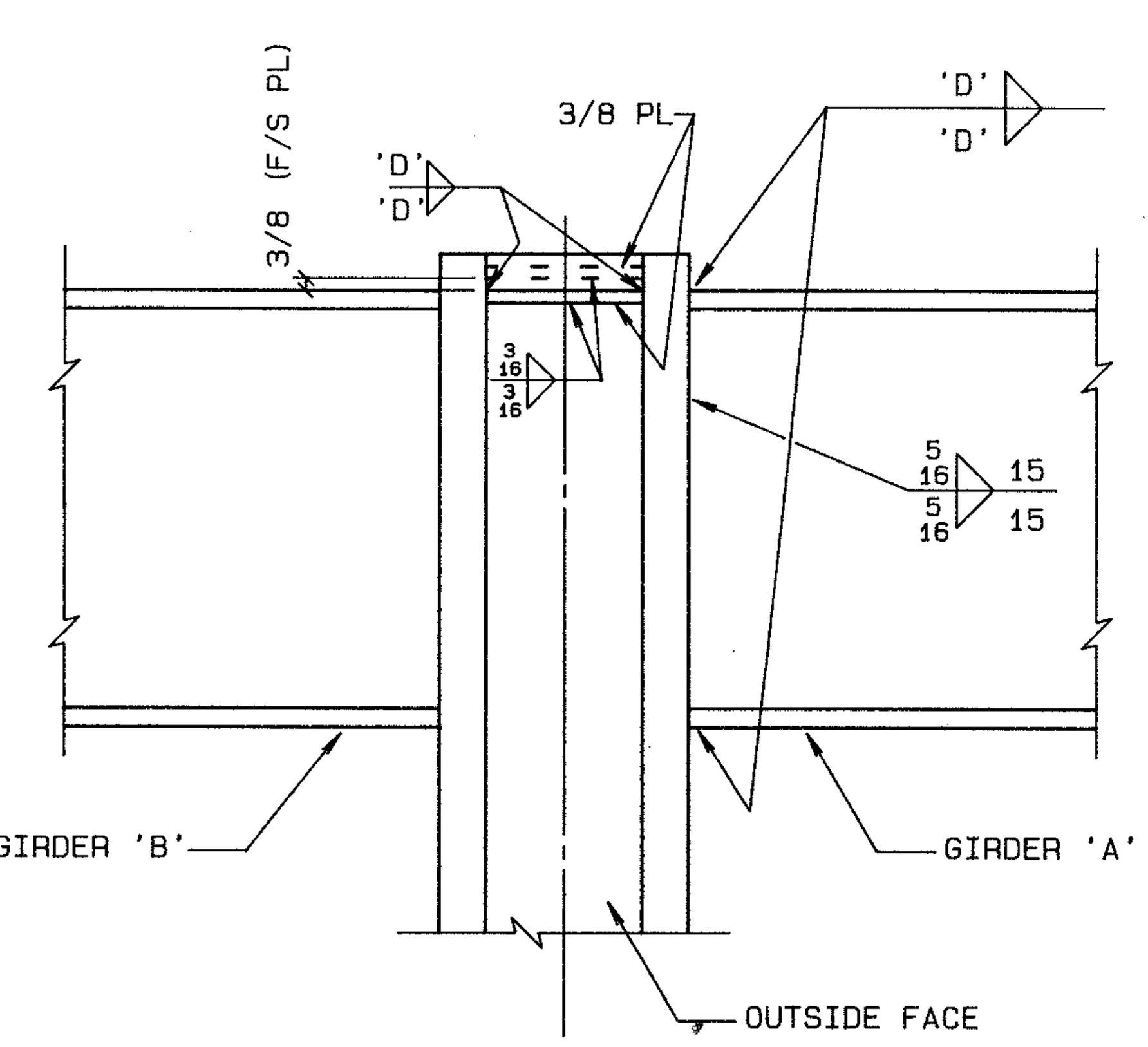
PG/LINE	WG NO.	FLOOR	SIZE	CUT FROM	MOMENT FT KIPS	SHEAR KIPS	MID SPAN CONN WEB PL	WEB BOLTS	FLG PL	FLG BOLTS
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
	-	-	-		-	-	-	-	-	-
171/21	WG29	ROOF	W30X99	B742	70	31	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	WG30	ROOF	W30X99	A742	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
	WG31	ROOF	W30X99		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
△1	WG32	ROOF	W30X99		90	51	8 1/2 X 1/2 X 1'-3 1/2 - B787	5	9 X 1/2 X 1'-11 1/2 - B786	6
	WG33	ROOF	W30X99		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
	WG34	ROOF	W30X99		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
	WG35	ROOF	W30X99		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
	WG36	ROOF	W30X99		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
	WG37	ROOF	W30X99		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
	WG38	ROOF	W30X99		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
	WG39	ROOF	W30X99		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
	WG40	ROOF	W30X99		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
	WG41	ROOF	W30X99		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
171/22 △1	WG42	ROOF	W30X99	C742	70	31	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

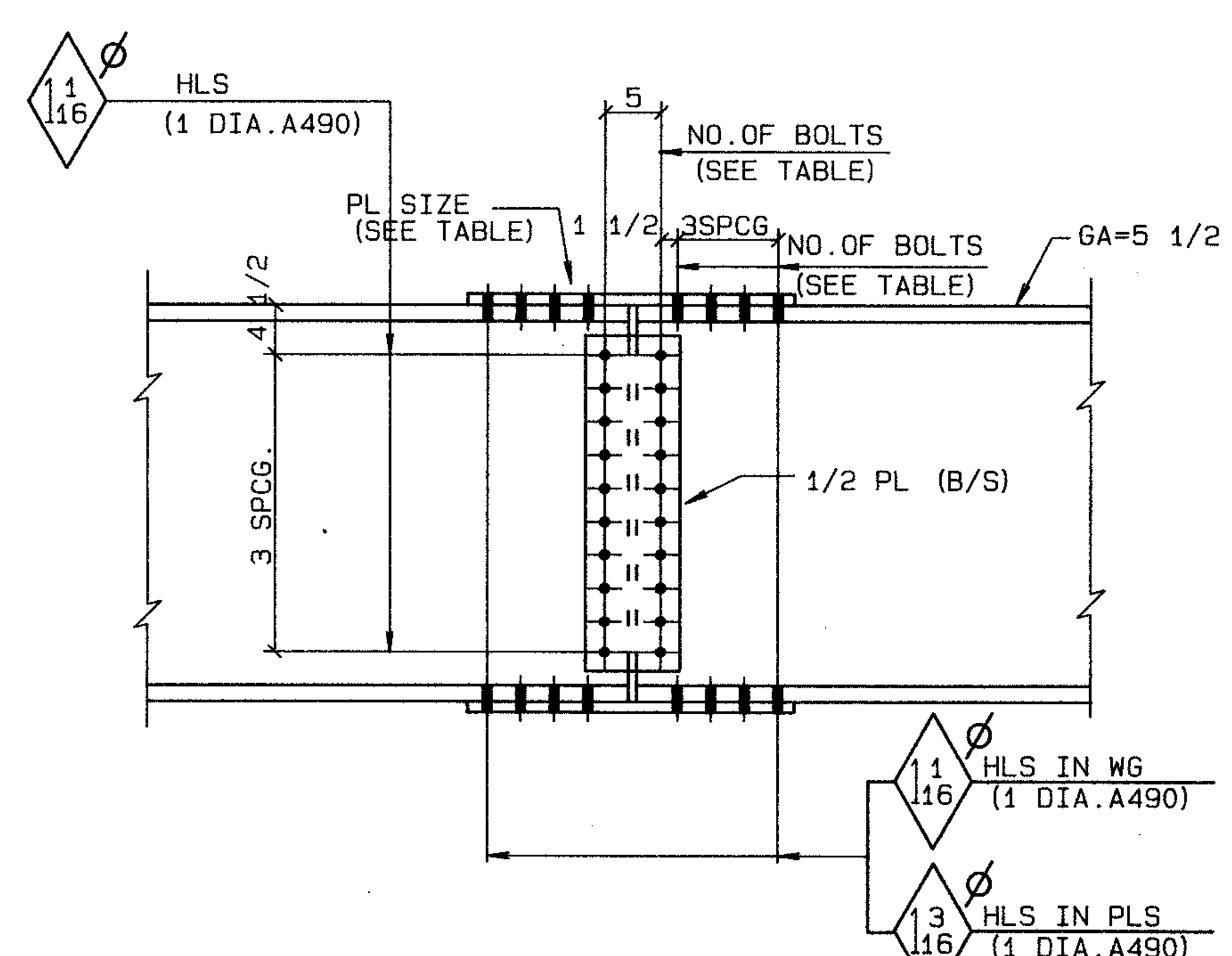
COLUMNS (EAST WALL)

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	ROOF	W14X90	WG29	W30X99	1/4		-	-	-	-
29	ROOF	W14X90	WG30	W30X99	1/4		WG29	W30X99	1/4	-
30	ROOF	W14X90	WG31	W30X99	1/4		WG30	W30X99	1/4	-
31	ROOF	W14X90	WG32	W30X99	1/4		WG31	W30X99	1/4	-
32	ROOF	W14X90	WG33	W30X99	1/4		WG32	W30X99	1/4	-
33	ROOF	W14X109	WG34	W30X99	5/16		WG33	W30X99	5/16	-
34	ROOF	W14X109	WG35	W30X99	5/16		WG34	W30X99	5/16	-
35	ROOF	W14X109	WG36	W30X99	5/16		WG35	W30X99	5/16	-
36	ROOF	W14X109	WG37	W30X99	5/16		WG36	W30X99	5/16	-
37	ROOF	W14X109	WG38	W30X99	5/16		WG37	W30X99	5/16	-
38	ROOF	W14X90	WG39	W30X99	1/4		WG38	W30X99	1/4	-
39	ROOF	W14X90	WG40	W30X99	1/4		WG39	W30X99	1/4	-
40	ROOF	W14X90	WG41	W30X99	1/4		WG40	W30X99	1/4	-
41	ROOF	W14X90	WG42	W30X99	1/4		WG41	W30X99	1/4	-
42	ROOF	W14X90	-	-	-		WG42	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	WG32, WG42	OCT4/85	GM	44

SPEC AS NOTED		FRANKEL STEEL LIMITED 220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2		
HOLES AS NOTED				
FINISH				
MADE GM	DATE MAY85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT 84-153
CHK'D WJF	DATE JULY/85	FR	DETAIL: WIND GIRD. CONN'S EAST ELEV. - ROOF	DWG. NO. 9129	REV