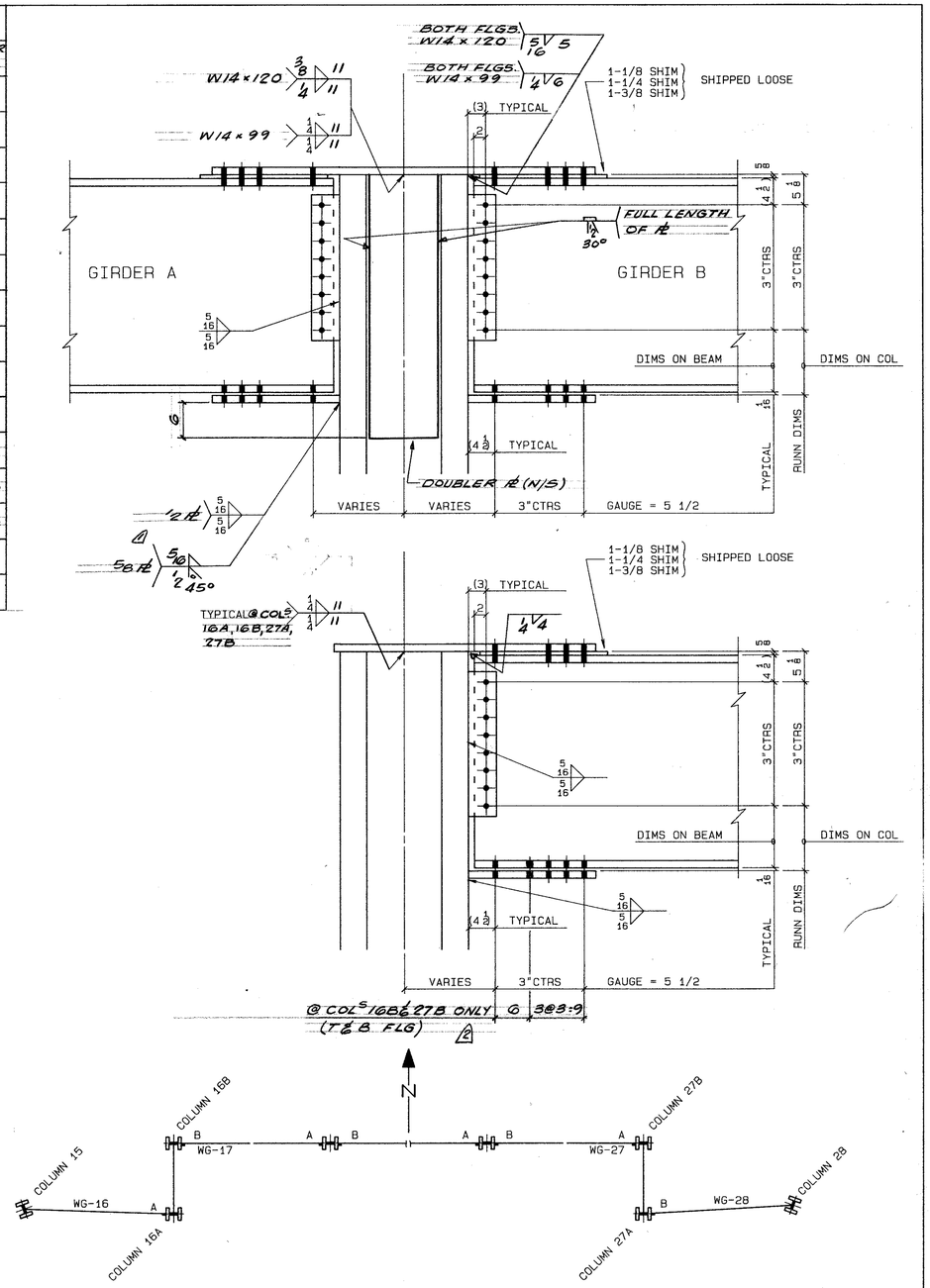
COL NO.	FLOOR	COL. SIZE	GIRDER A									GIRDER B									DOUBLER PLATE
			WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	BOTT. FLANGE PLATE	WEB BOLT	WEB PLATE	WG NO.	SIZE		MOM'K	SHEAR	FLG. BOLT	BOTT FLANGE PLATE	WEB BOLT	WEB PLATE	
P16A	ROOF	W14X99	WG-16	W24X76	SLOPING	90	62	6	9X1/2X1-0 1/2	4	5X1/2X1-0 1/2 H753										
P16B	ROOF	W14X99										WG-17	W24X76		80	60	10	9X1/2X1-9 1/2 SEE DETAIL	4	5X1/2X1-0 1/2 H753	
P17	ROOF	W14X99	WG-17	W24X76		80	60	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-18	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P18	ROOF	W14X120	WG-18	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-19	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P19	ROOF	W14X120	WG-19	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-20	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P20	ROOF	W14X120	WG-20	W24X76		80	58	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-21	W24X76		80	54	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P21	ROOF	W14X120	WG-21	W24X76		80	54	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-22	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P22	ROOF	W14X120	WG-22	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-23	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P23	ROOF	W14X120	WG-23	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-24	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	
P24	ROOF	W14X120	WG-24	W24X76		80	57	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-25	W24X76		200	67	8	1 9X5/8X1-3 1/2 U752	4	5X1/2X1-0 1/2 H753	11/2x3/8
P25	ROOF	W14X120	WG-25	W24X76		200	67	8	1 9X5/8X1-3 1/2 U752	4	5X1/2X1-0 1/2 H753	WG-26	W24X76		80	55	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	11/2x3/8
P26	ROOF	W14X99	WG-26	W24X76		80	55	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	WG-27	W24X76		150	61	6	9X1/2X1-0 1/2 S752	4	5X1/2X1-0 1/2 H753	11/2x3/8
P27B	ROOF	W14X99	WG-27	W24X76		150	61	10	9X1/2X1-9 1/2 SEE DETAIL	4	5X1/2X1-0 1/2 H753										
P27A	ROOF	W14X99						2				WG-28	W24X76	SLOPING	80	60	6	9X1/2X1-0 1/2	4	5X1/2X1-0 1/2 H753	



PART KEY PLAN SHOWING FIN PLATE ORIENTATION

NOTES

STEEL GRADES BEAMS A36, COLS A36, CONN MAT'L 44W
WELDING E70 SERIES ELECTRODES

BOLTS
FLG CONNECTIONS 1"A490F (OVS HLS) 14.9 KIPS
(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

REV #	DESCRIPTION	DATE	MADE BY	X NO.
2	FLG. CONN @ P16B, P27B	JAN/85	GM	
1	WG 25 - FLG. CONN.	OCT/85	GM	

SPEC	AS NOTED				
HOLES	AS NOTED				
FINISH					
MADE WJF	DATE MAY/85	SQUAD	PROJECT: 7 WORLD TRADE CENTER	CONTRACT	DWG. NO. REV
CHK'D GM	DATE OCT 8/85	FR	DETAIL: WG-16 TO WG-28 ROOF	84-153	9132 /

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2