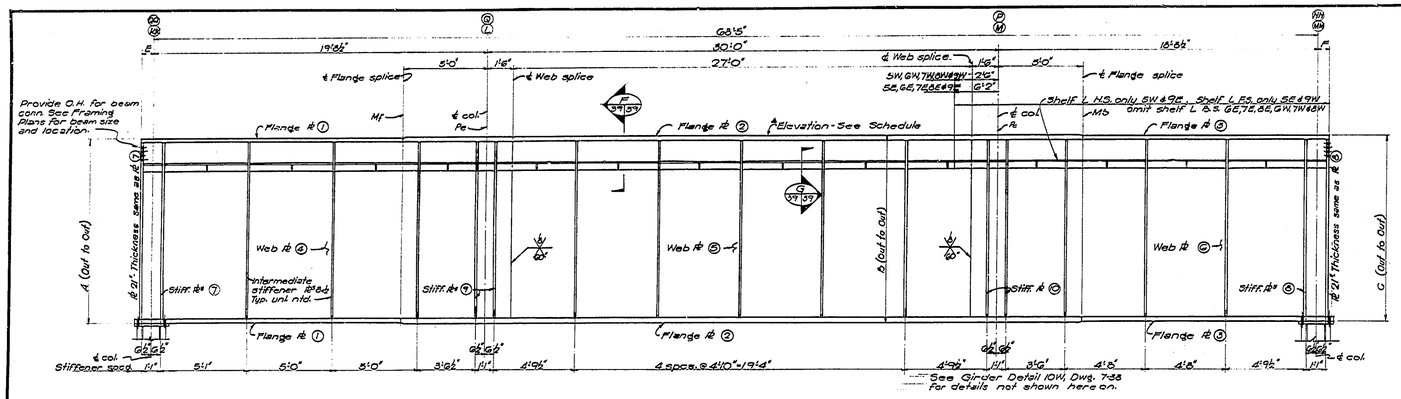
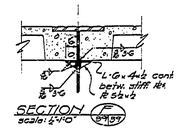
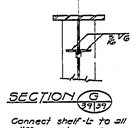


GIRDER DETAIL - 5W, 6W, 7W, 8W, 9W LOOKING NORTH
5E, 6E, 7E, 8E, 9E LOOKING SOUTH





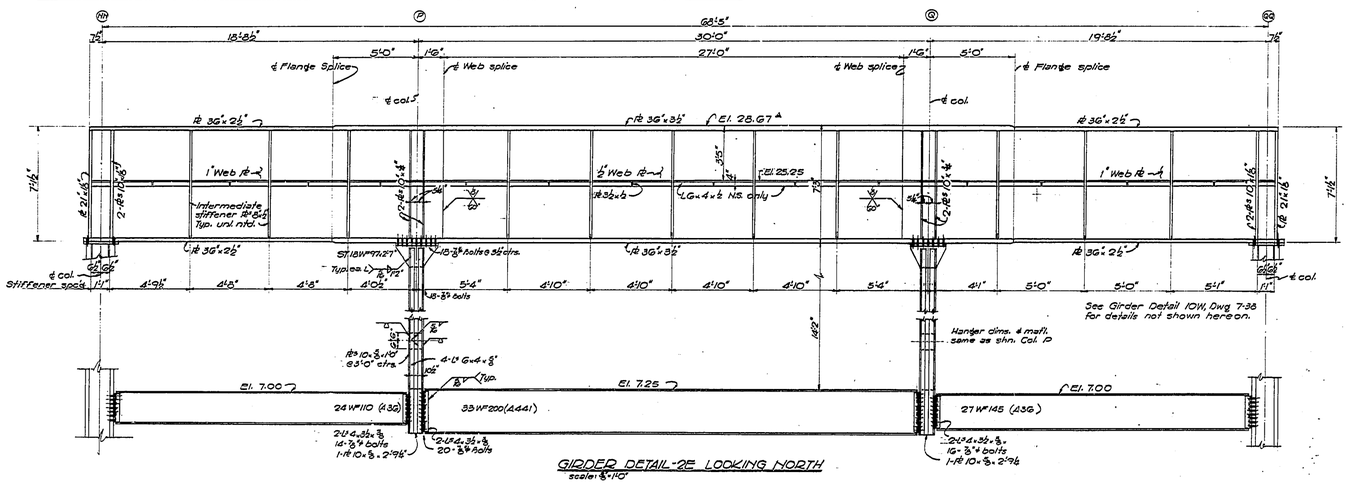
See Dwg. 7-1 for General Notes.
See Dwg. 7-6 for list of Standard Details.

See Dwg. 7-38 for Notes on Steel Girders.

GIRDER SCHEDULE

▲ Elevations shown in schedule are theoretical elevations for weightless, uncambered girders.

Mark	Dimensions A	B	C	D	E	F	Flange Pl's 1	2	3	Web Pl. Pl's 4	5	6	Stiffener Pl's 7	8	9	10	Design Data Moments Mb	Max.	MF	Reactions VL	VR	Col. Loads Pc	Pe	Elevation Top of Flange Pl ②
5E, 7W	11'-2"	11'-4½"	11'-2"	-	7'-3"	7'-3"	36"x½"	36"x½"	36"x½"	⅜"	½"	1"	10"x½"	10"x⅜"	10"x⅜"	10"x⅜"	23,200	31,400	21,400	1550	1810	1350	870	20.00
5W, 6E, 6W, 7E	11'-3½"	11'-5"	11'-3½"	-	7'-3"	6⅝"	36"x½"	36"x½"	36"x½"	1	½"	1"	10"x½"	10"x⅜"	10"x⅜"	10"x1"	25,600	35,000	24,200	1740	2000	1650	1120	20.00
8E, 8W	10'-5½"	10'-7½"	10'-6"	-	7'-3"	8"	36"x½"	36"x½"	36"x½"	⅜"	½"	1⅛"	10"x⅝"	10"x½"	10"x⅜"	10"x⅝"	25,100	35,500	24,400	1640	1950	1650	900	20.00
9E, 9W	9'-10½"	9'-10"	9'-9½"	-	7'-3"	7⅝"	36"x⅝"	36"x½"	36"x½"	1⅛"	½"	1⅝"	10"x⅝"	10"x½"	10"x⅜"	10"x⅝"	21,900	31,400	21,000	1450	1710	1200	1230	20.00
2E	See Detail																							±28.67



GIRDER DETAIL - 2E LOOKING NORTH
scale: ⅛"=1'-0"

DC011677 88

BROOKS BARR GRAEBER & WHITE 88
AND
PITTS MERANE, PHELPS & WHITE
ARCHITECTS AND ENGINEERS

APPROVED: ARCHITECTURAL | STRUCTURAL | MECHANICAL

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDING SERVICE · WASHINGTON D.C.

PROJECT	U.S. DEPARTMENT OF LABOR		
LOCATION	WASHINGTON D.C.		
STREET	200 CONSTITUTION AVENUE N.W.		
PROJ. NO.	69918	FILE NO.	
DRAWN BY	JRMB	CHECKED BY	ABS
DRAWING TITLE	FREEWAY GIRDERS - SHEET 2		
	STRUCTURAL		
DRAWING NUMBER	7-39	PHASE	

LOCKWOOD, ANDREWS & NEWNAM, INC.
CONSULTING ENGINEERS

30X