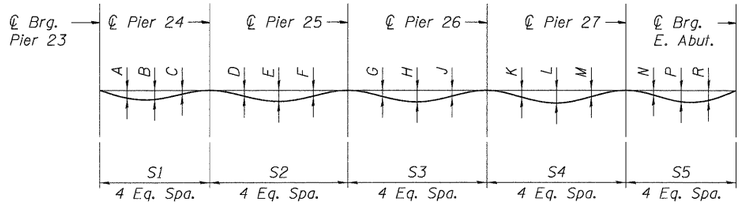


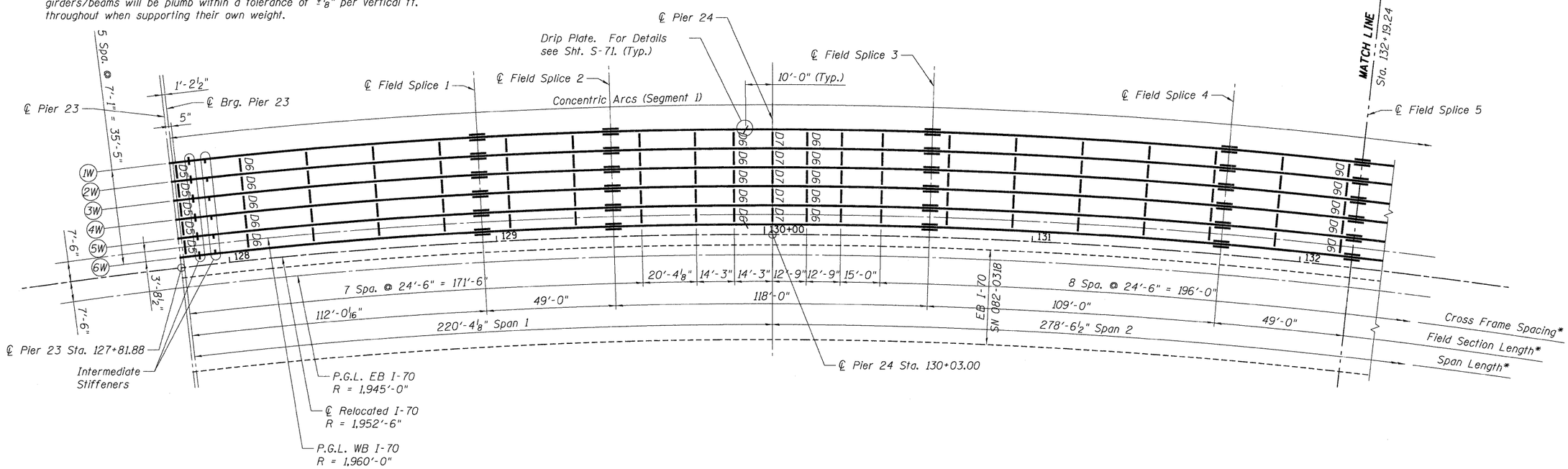
DEAD LOAD DEFLECTIONS - STEEL SELF WEIGHT ONLY

	S1	S2	S3	S4	S5	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
Girder 1W	224'-4 5/16"	283'-7"	286'-0 9/16"	287'-0 5/8"	227'-10 1/16"	1 3/8	1 9/16	5/8	7/8	1 11/16	7/8	7/8	1 3/4	7/8	7/8	1 11/16	7/8	5/8	1 5/8	1 7/16
Girder 2W	223'-6 11/16"	282'-6 7/8"	284'-11 3/8"	285'-9"	226'-9 1/16"	1 5/16	1 1/2	5/8	7/8	1 11/16	7/8	7/8	1 11/16	7/8	7/8	1 5/8	7/8	5/8	1 1/2	1 5/16
Girder 3W	222'-9 1/16"	281'-6 13/16"	283'-10 3/16"	284'-5 3/8"	225'-8 1/8"	1 1/4	1 7/16	9/16	7/8	1 5/8	7/8	7/8	1 11/16	7/8	7/8	1 5/8	13/16	5/8	1 7/16	1 1/4
Girder 4W	221'-11 3/8"	280'-6 11/16"	282'-9"	283'-1 3/4"	224'-7 1/8"	1 3/16	1 3/8	9/16	13/16	1 5/8	7/8	7/8	1 5/8	7/8	13/16	1 9/16	13/16	9/16	1 3/8	1 3/16
Girder 5W	221'-1 3/4"	279'-6 9/16"	281'-7 3/4"	281'-10 1/8"	223'-6 1/8"	1 1/8	1 1/4	9/16	13/16	1 9/16	13/16	7/8	1 5/8	7/8	13/16	1 9/16	13/16	1/2	1 5/16	1 1/8
Girder 6W	220'-4 1/8"	278'-6 1/2"	280'-6 1/2"	280'-6 1/2"	222'-5 3/16"	1 1/16	1 3/16	1/2	13/16	1 9/16	13/16	7/8	1 9/16	7/8	13/16	1 1/2	13/16	1/2	1 1/4	1 1/16

DEAD LOAD DEFLECTION - STEEL SELF WEIGHT

(Includes weight of structural steel only.)

NOTE:
The calculated deflections of the primary girders/beams under steel self-weight shall be used to detail the diaphragm, cross frame and lateral bracing connections, and to erect the structural steel such that the girders/beams will be plumb within a tolerance of ±1/8" per vertical ft. throughout when supporting their own weight.



* Dimensions measured along centerline Girder 6W

FRAMING PLAN
WB I-70 SN 082-0319

N

NOTES:

1. Work this sheet with Sheets S-52 and S-53.
2. All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
3. All cross frames shall be installed radial to ℄ Relocated I-70 or parallel to ℄ of bearing at Pier 23.
4. The Contractor shall either:
   1. Ream diaphragm and/or cross frame connection holes during shop assembly, or
   2. Provide detailing and fabrication controls acceptable to the Engineer which ensures accuracy such that field reaming will not exceed the amount permitted in Article 505.08(I) of the Standard Specifications.