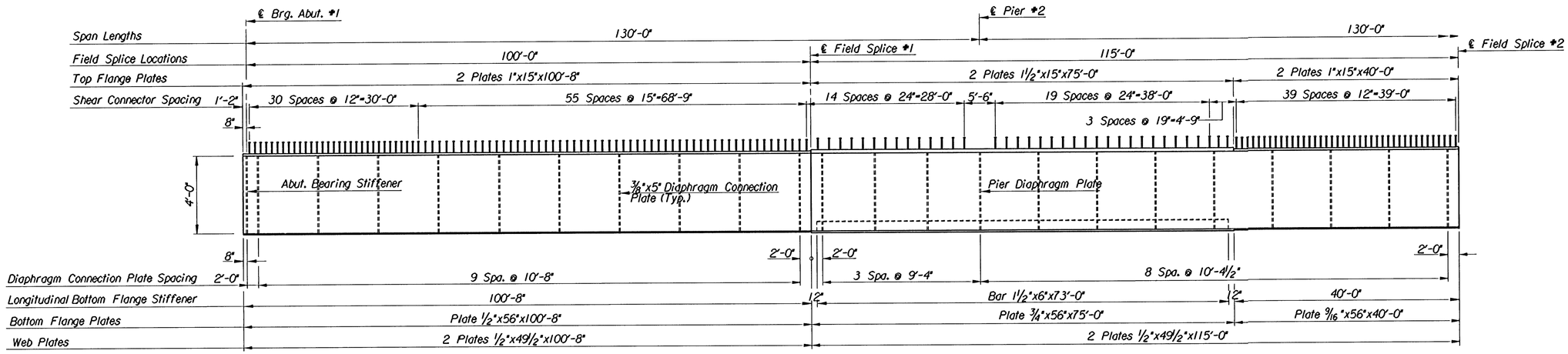
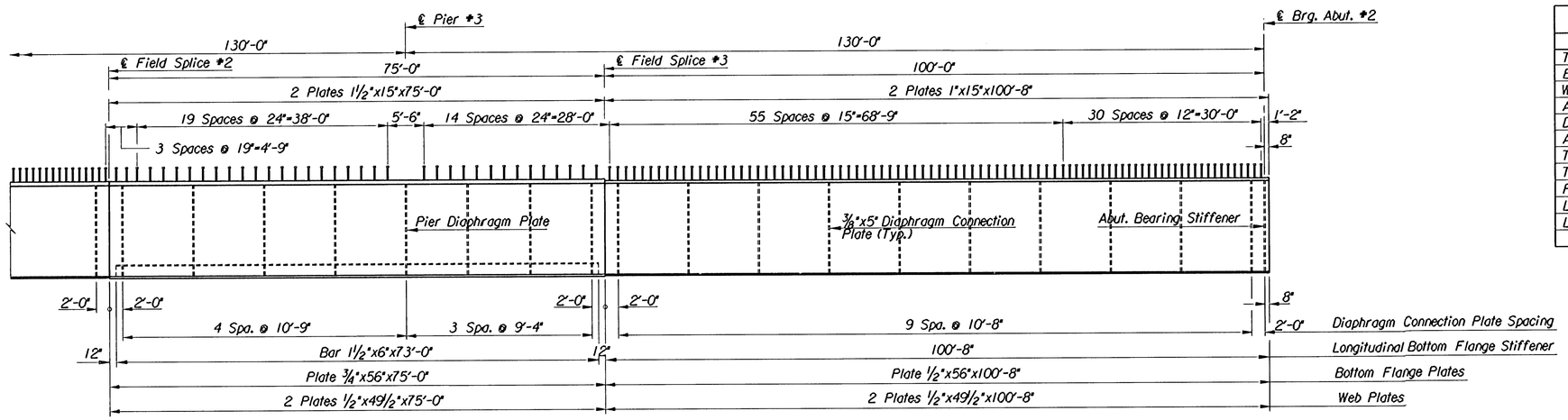
SHEET NO.	TOTAL SHEETS
C48	131



PART ELEVATION

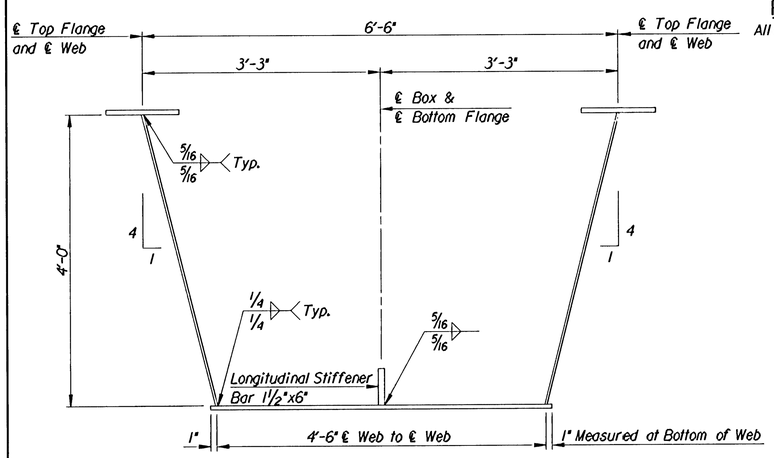
All dimensions are along ℄ Box.



PART ELEVATION

All dimensions are along ℄ Box.

STRUCTURAL STEEL SUMMARY FOR ONE GIRDER		
Girder Components	M270 Gr. 50 T2	A709 Gr. 36
Top Flange Plates	47,605	
Bottom Flange Plates	44,907	
Web Plates	65,915	
Abutment Bearing Stiffeners		674
Diaphragm Connection Plates		1,999
Abutment Diaphragms		73
Type D-1 Diaphragms		2,350
Type D-2 Diaphragms		586
Pier Diaphragms		2,001
Longitudinal Bottom Flange Stiffeners	4,472	
Lateral Bracing		5,393



TYPICAL BOX GIRDER SECTION

GIRDER NOTES:

Unless otherwise noted, all longitudinal dimensions are measured horizontally along flange centerlines. Length of flanges and web plates shall be corrected as required for grade, vertical curvature and shrinkage caused by welding.

Abutment, pier and field splice centerlines are shown at ℄ Box.

Bearing stiffeners shall be placed vertical.

All bearing stiffeners shall be placed normal to ℄ Box.

All diaphragm connection plates shall be 3/8" x5" unless otherwise shown.

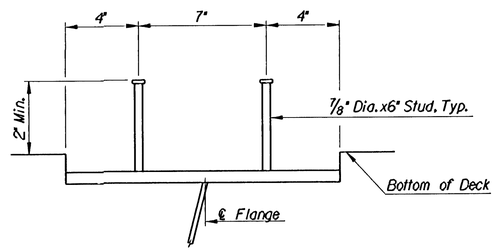
Diaphragm connection plates shall be placed on the side of the web indicated in the framing plan.

All diaphragm connection plates shall be placed normal to the flange.

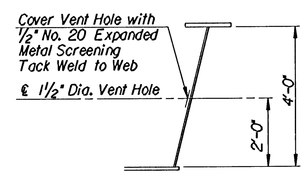
All diaphragm connection plates shall be placed normal to ℄ Box.

Diaphragm connection plate lengths (inside to inside of flanges) are 4'-1 1/2" unless otherwise shown.

All Flanges and Webs shall conform to M270-50T2 unless otherwise noted.



SHEAR CONNECTOR DETAILS



WEB VENT HOLE

Place Vent Holes in Each Web at 50'-0" Maximum Spacing, 25'-0" Minimum from ℄ Pier

No.	Revisions	By	Date
1			

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E.-CITY ENGINEER
DOUGLAS AVE. BRIDGE
OVER ARKANSAS RIVER
GIRDER DETAILS-ROADWAY

CITY OF WICHITA PROJECT NO. 472-82721

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	PDF	Checked by	RAS		
Drawn by	JGP	Date	Sept. 1997	Job No.	95088-4

C48

i:/1995/95088/douglas/girder1.dgn
drawn by : wll/maf
plotted by : ras 8-26-97