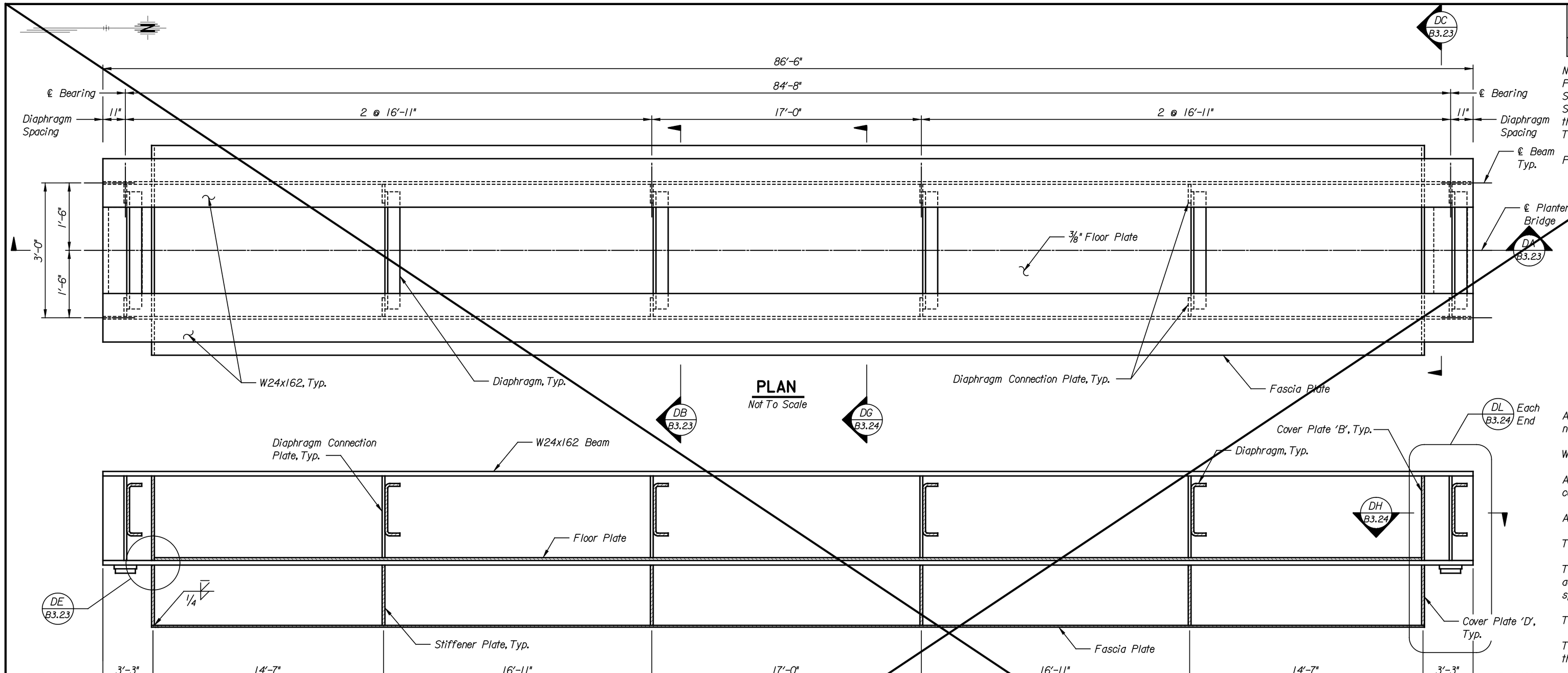
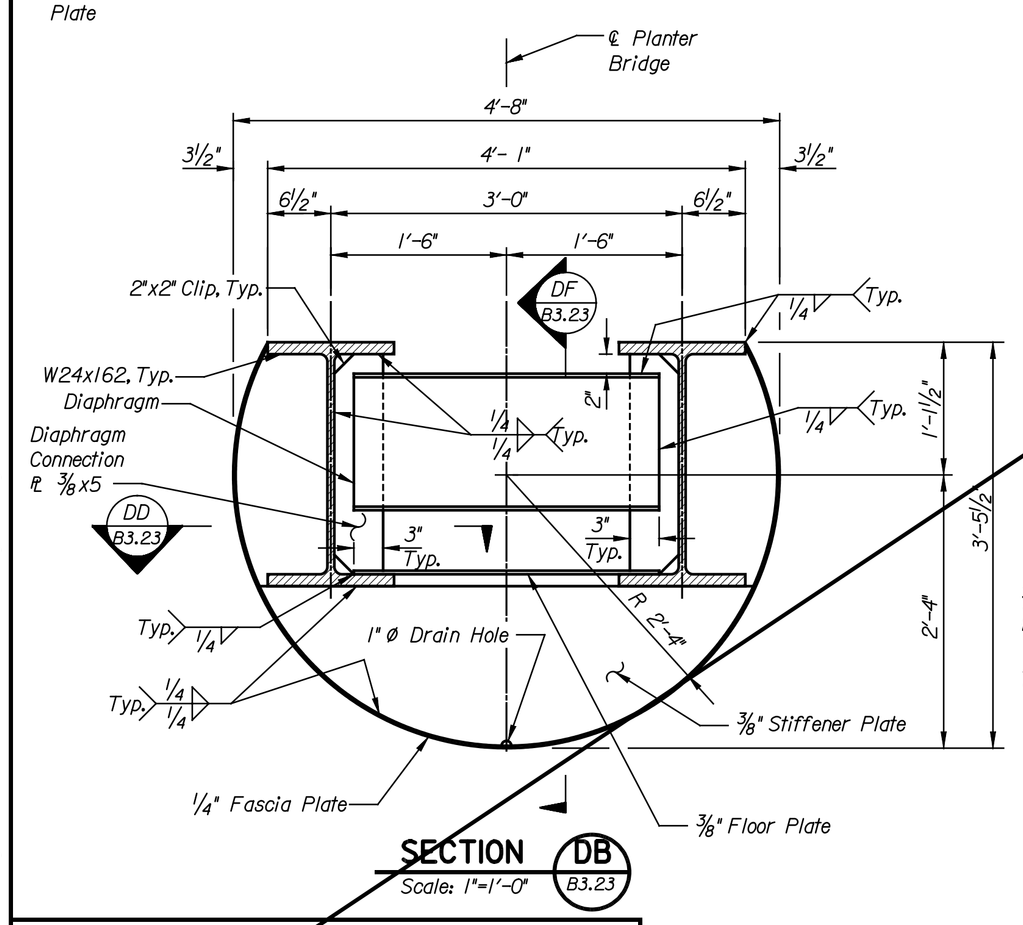
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	B3.23	

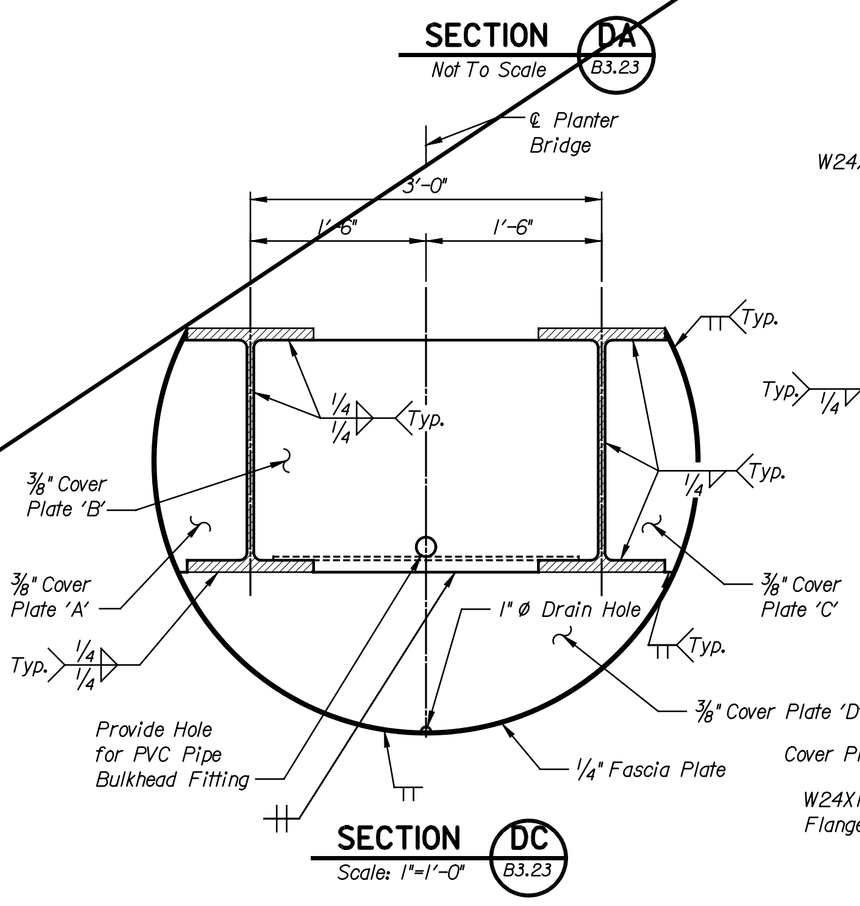


PLAN
Not To Scale



SECTION DB B3.23
Scale: 1"=1'-0"

SECTION DA B3.23
Not To Scale



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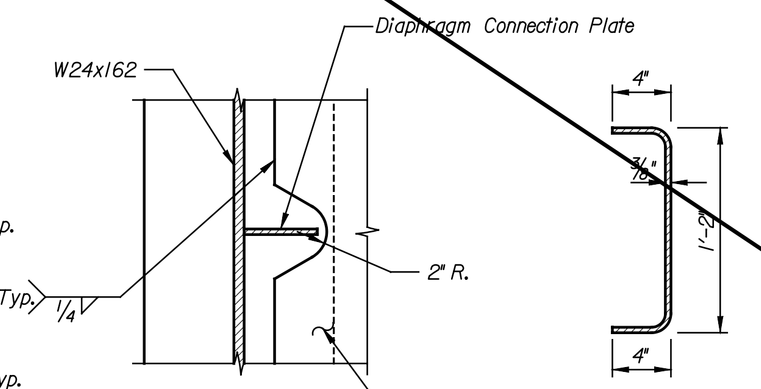

SECTION DD B3.23
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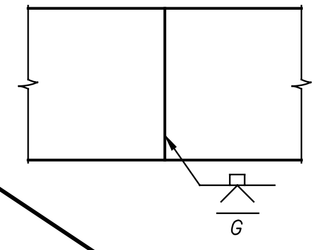
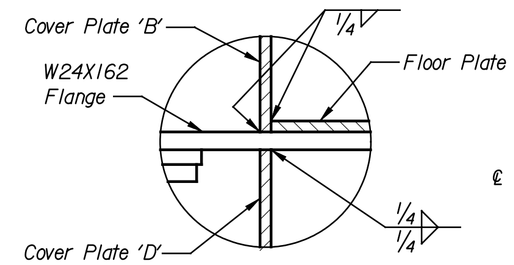
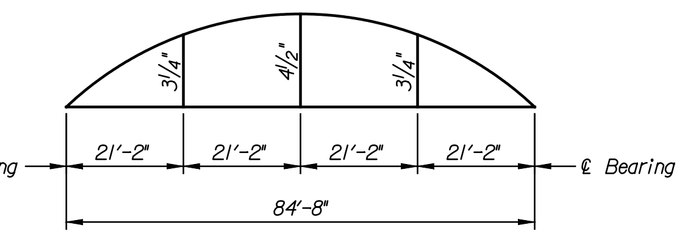
SECTION DF B3.23
Scale: 1 1/2"=1'-0"



FASCIA PLATE SPLICE
Scale: No Scale



DETAIL DE B3.23
Not To Scale



DEAD LOAD CAMBER DIAGRAM
Scale: No Scale

NOTES:

PLANTER BRIDGE DESIGN SPECIFICATIONS:
Standard Specifications for Structural Supports for Highways Signs, Luminaires and Traffic Signals, 4th Edition with Interims through 2002, American Association of State Highway and Transportation Officials, 2002.

PLANTER BRIDGE DESIGN LOADS:
- Dead Load:
  - Unit Weight of Concrete, 150 pcf
  - Unit Weight of Steel, 490 pcf
  - Unit Weight of Planter Mix Soil, 120 pcf
- Live Load:
  - None
- Ice:
  - 3.0 psf
- Seismic:
  - Site Coefficient, 1.0
- Temperature:
  - Design Temperature, 60 degrees F
  - Design Temperature Range
    - Rise 50 degrees F
    - Fall 50 degrees F
  - Minimum Service Temperature Zone, Zone 2
- Other Loads:
  - As specified in AASHTO.

All structural steel shall conform to ASTM A709, Grade 50T2, unless noted otherwise.

Welding shall conform to the Bridge Welding Code, AWS D1.5M/D1.5.

All weld metal shall be equivalent to the base metal in strength, corrosion resistance and painted appearance.

All flange to web welding shall be made with the SAW process.

The planter bridge shall be cambered for dead load.

The steel surface preparation for paint & waterproofing shall be in accordance with SSPC-10, "Near-White Blast Clean" and the specifications.

The top coat of paint shall be applied to all exterior surfaces.

The prime coat of paint shall be applied to all surfaces, except those surfaces adjacent to the planter mix.

One prime coat of inorganic zinc silicate paint, with a minimum dry film thickness (dft) of 3.0 mils and a maximum dry film thickness of 5.0 mils, shall be applied in accordance with the specifications.

One top coat of water-borne acrylic or hi-build polyurethane paint, with a minimum dry film thickness of 3.0 mils and a maximum dry film thickness of 4.0 mils, shall be applied in accordance with the specifications.

The top coat of paint (semi-gloss white) shall be color-matched to the color of the steel girders.

Prior to painting, submit demonstration panels to the Engineer for approval of the color.

The steel surface preparation and the prime coat of paint shall be applied at the fabrication shop.

The top coat of paint shall be applied in the field after erection and assembly.

Refer to Planter Bridge Details II for additional notes.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

CITY OF WICHITA

WICHITA CENTRAL CORRIDOR

MURDOCK
PLANTER BRIDGE DETAILS I

SHEET NO.	OF	SCALE AS NOTED	APP'D				
DESIGNED	FKD	DETAILED	DJJ	QUANTITIES	DJJ	TRACED	DJJ
DESIGN CK.	DMH	DETAIL CK.	EDY	QUAN.CK.	DMH	TRACE CK.	DMH

LOCATION: BNSF BR. 211.5 WICHITA, KS LINE SEGMENT 7400

This sheet designed by:

HNTB
ARCHITECTS ENGINEERS PLANNERS

DATE | BY

Plotted on: 04-JAN-2005 13:09 $time$
djamison Plot Queue: $queue$
Plot Scale: $scale$ Pen Table: $pentable$
Design Filename: k:\b28049\Bridges\Dec2004\Base Bid\Murdock\drawings\mi3a.dgn