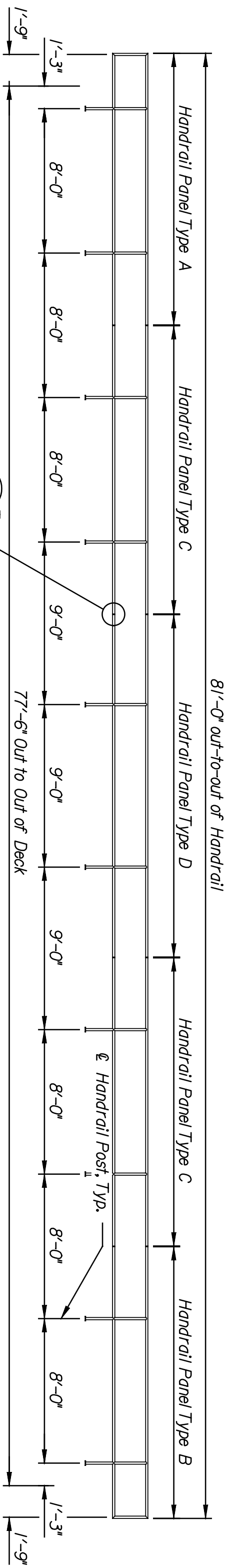
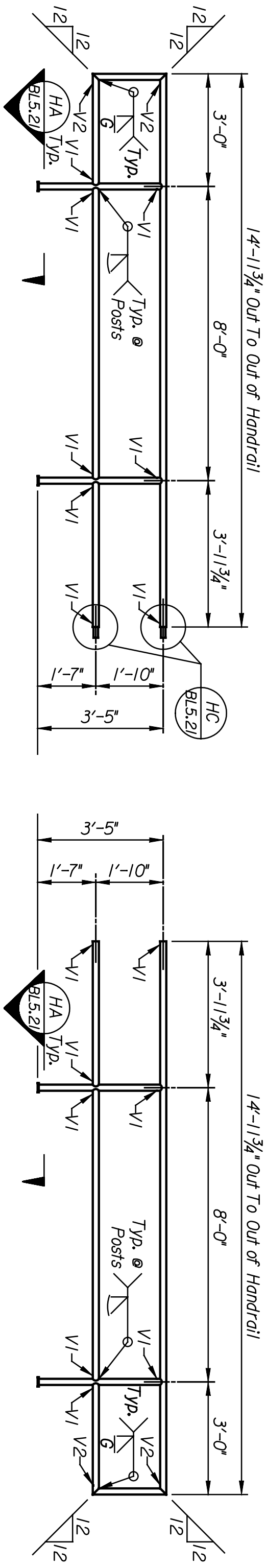


DATE	BY

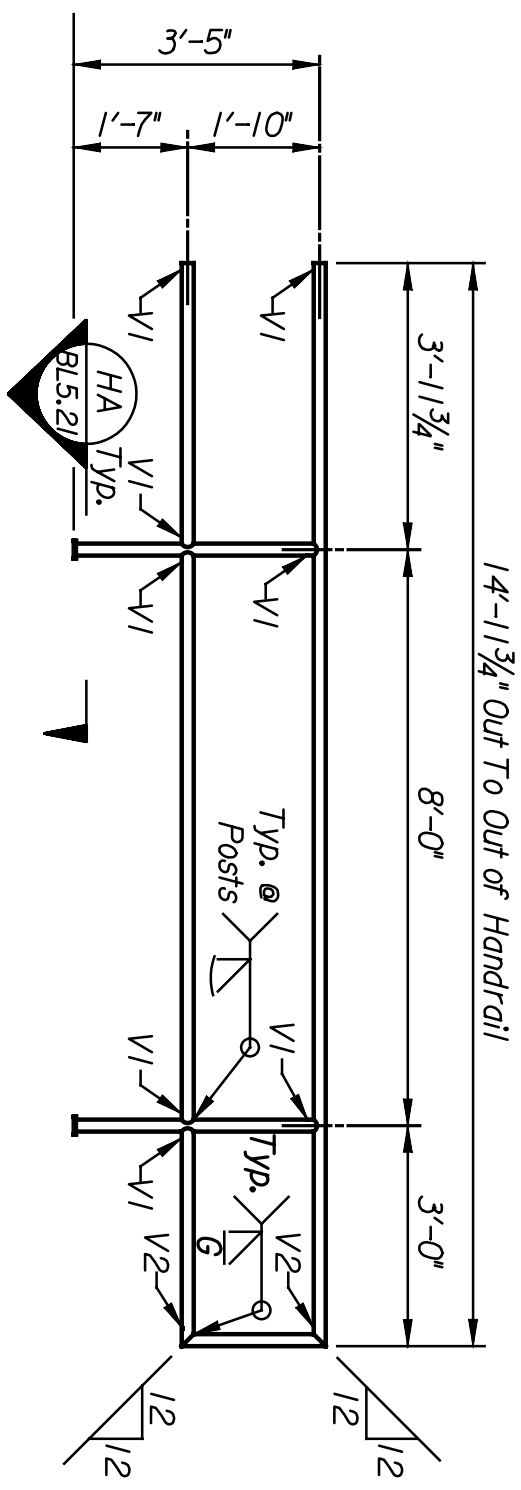


HANDRAIL ELEVATION (TYPE 2)
Scale: $\frac{3}{16}'' = 1'-0''$



HANDRAIL PANEL TYPE A
No. Required = 1

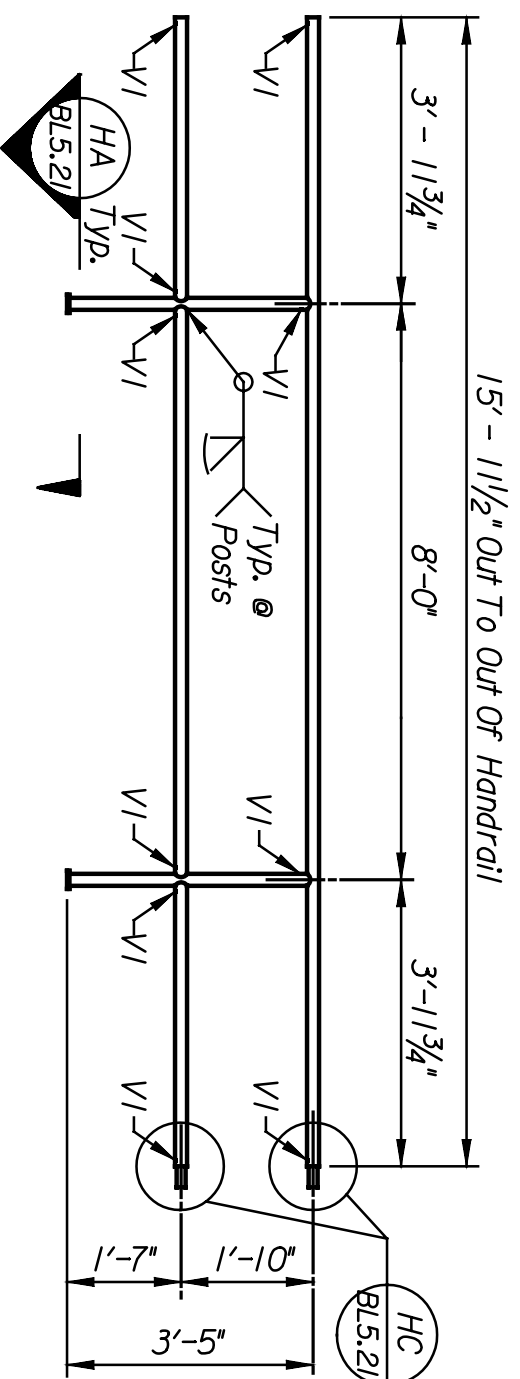
Weight = 105 Lbs. Each
Handrail Panels are to be fabricated using
 $1\frac{1}{2}''$ Dia. std. Black Pipe.
(Galvanize after fabrication)
Scale: $\frac{3}{8}'' = 1'-0''$



HANDRAIL PANEL TYPE B
No. Required = 1

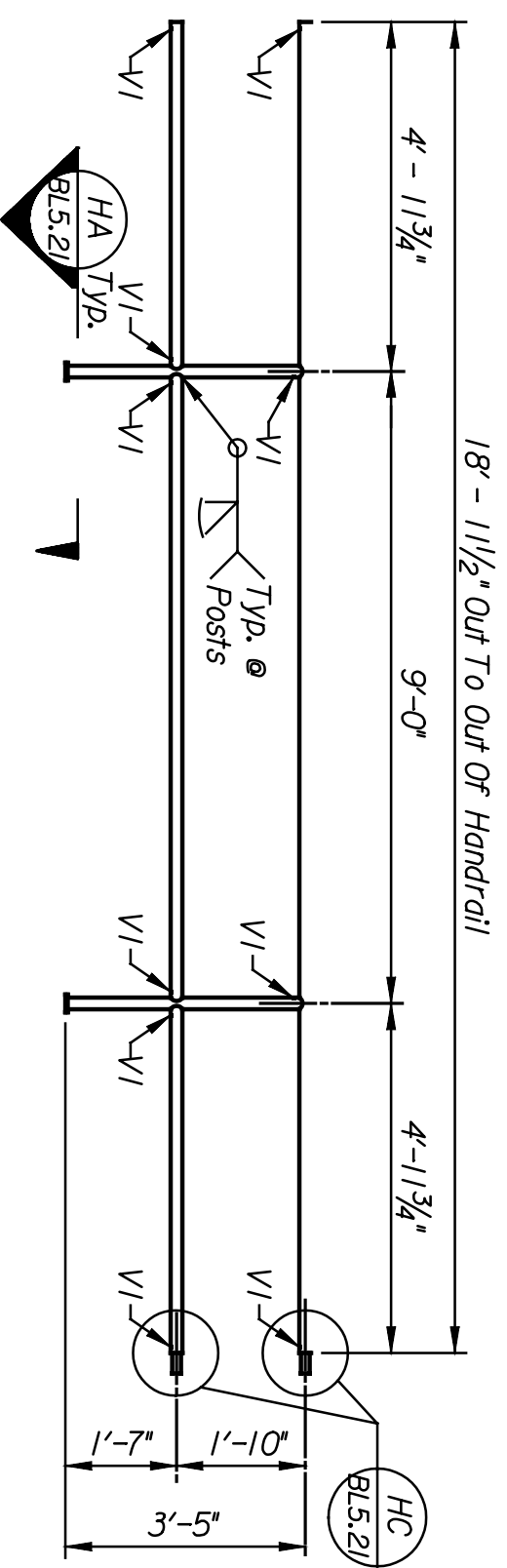
Weight = 105 Lbs. Each
Handrail Panels are to be fabricated using
 $1\frac{1}{2}''$ Dia. std. Black Pipe.
(Galvanize after fabrication)
Scale: $\frac{3}{8}'' = 1'-0''$

V1 = $\frac{3}{8}''$ Dia. Drilled Vent Hole 1"
from Joint Unless Noted Otherwise
V2 = $\frac{1}{2}''$ Dia. Drilled Vent Hole 1" from Joint



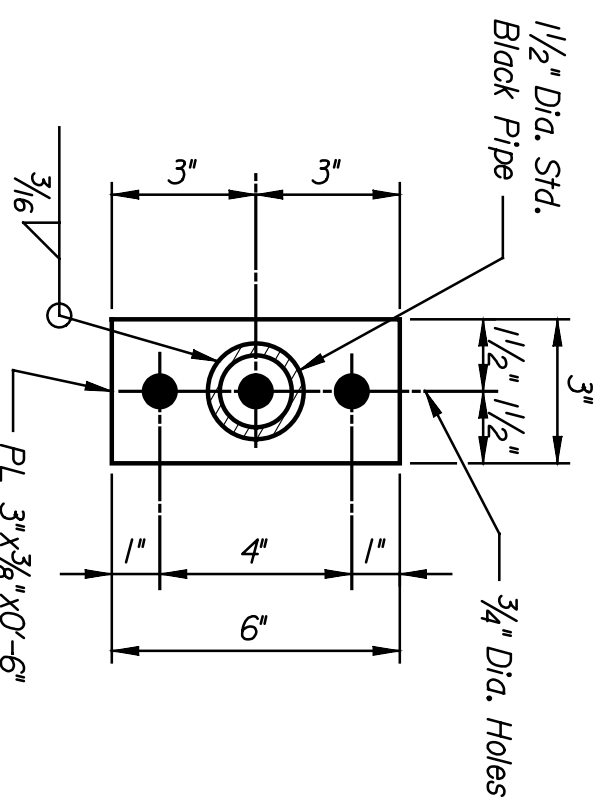
HANDRAIL PANEL TYPE C
No. Required = 2

Weight = 106 Lbs. Each
Handrail Panels are to be fabricated using
 $1\frac{1}{2}''$ Dia. std. Black Pipe.
(Galvanize after fabrication)
Scale: $\frac{3}{8}'' = 1'-0''$



HANDRAIL PANEL TYPE D
No. Required = 1

Weight = 122 Lbs. Each
Handrail Panels are to be fabricated using
 $1\frac{1}{2}''$ Dia. std. Black Pipe.
(Galvanize after fabrication)
Scale: $\frac{3}{8}'' = 1'-0''$

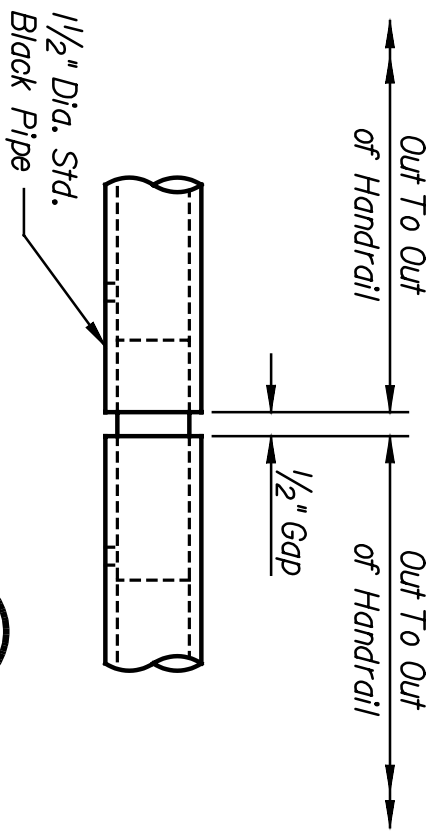


SECTION HA
Scale: $3'' = 1'-0''$
BL5.21

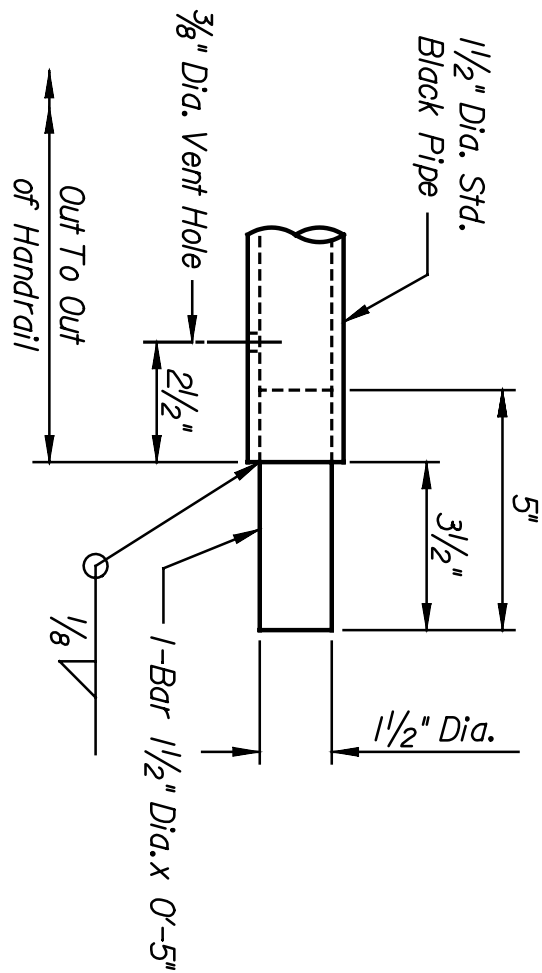
This sheet designed by:



ARCHITECTS ENGINEERS PLANNERS



DETAIL HB
Scale: $3'' = 1'-0''$
BL5.21



DETAIL HC
Scale: $3'' = 1'-0''$
BL5.21

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	BL5.21	

NOTES:
Fabrication and workmanship shall conform to the AREMA Manual for Railway Engineering.

Welding shall conform to the AREMA Manual for Railway Engineering and 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 pipe welds shall be made with the MIG process.

All steel pipes shall be uncoated and conform to ASTM A53.

All structural steel shall conform to ASTM A36 or A709, Gr. 50.

Handrails, hardware and appurtenances shall be galvanized in accordance with ASTM A123 or A153 after fabrication.

After galvanizing, all elements shall be free of fins, abrasions, rough or sharp edges and other surface defects.

NO.	DATE	REVISIONS	BY	APP'D.
3				
2				
1				

CITY OF WICHITA
WICHITA CENTRAL CORRIDOR
ALTERNATE 5
2ND STREET
BRIDGE HANDRAIL (TYPE 2)

SHEET NO.	OF	SCALE	AS NOTED	APP'D.
DESIGNED BY	END	SCALE	AS NOTED	APP'D.
DESIGN GR.	CM/S	DRAWN BY	DATE	DATE
WICHTA, KS		LINE SEGMENT	7400	