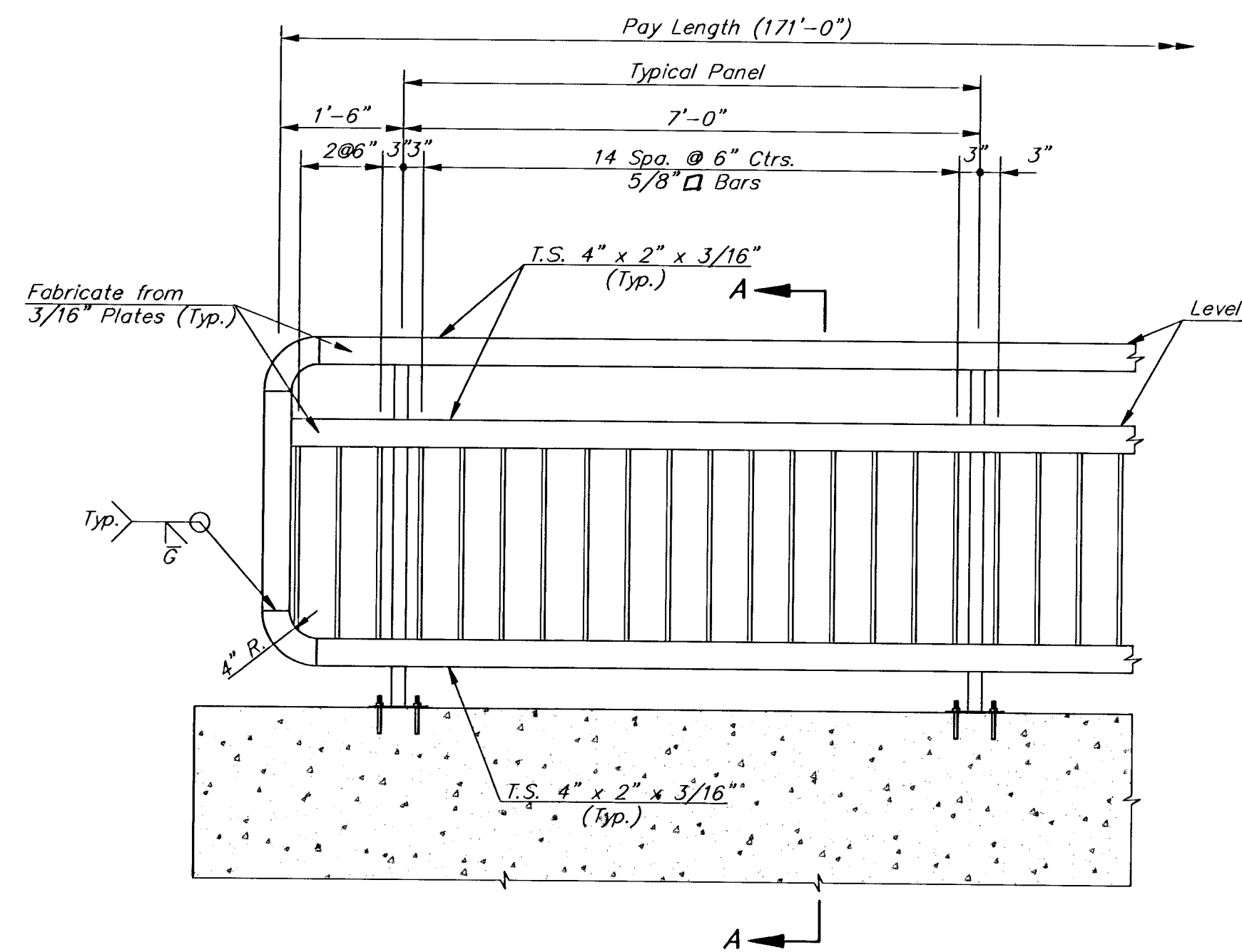
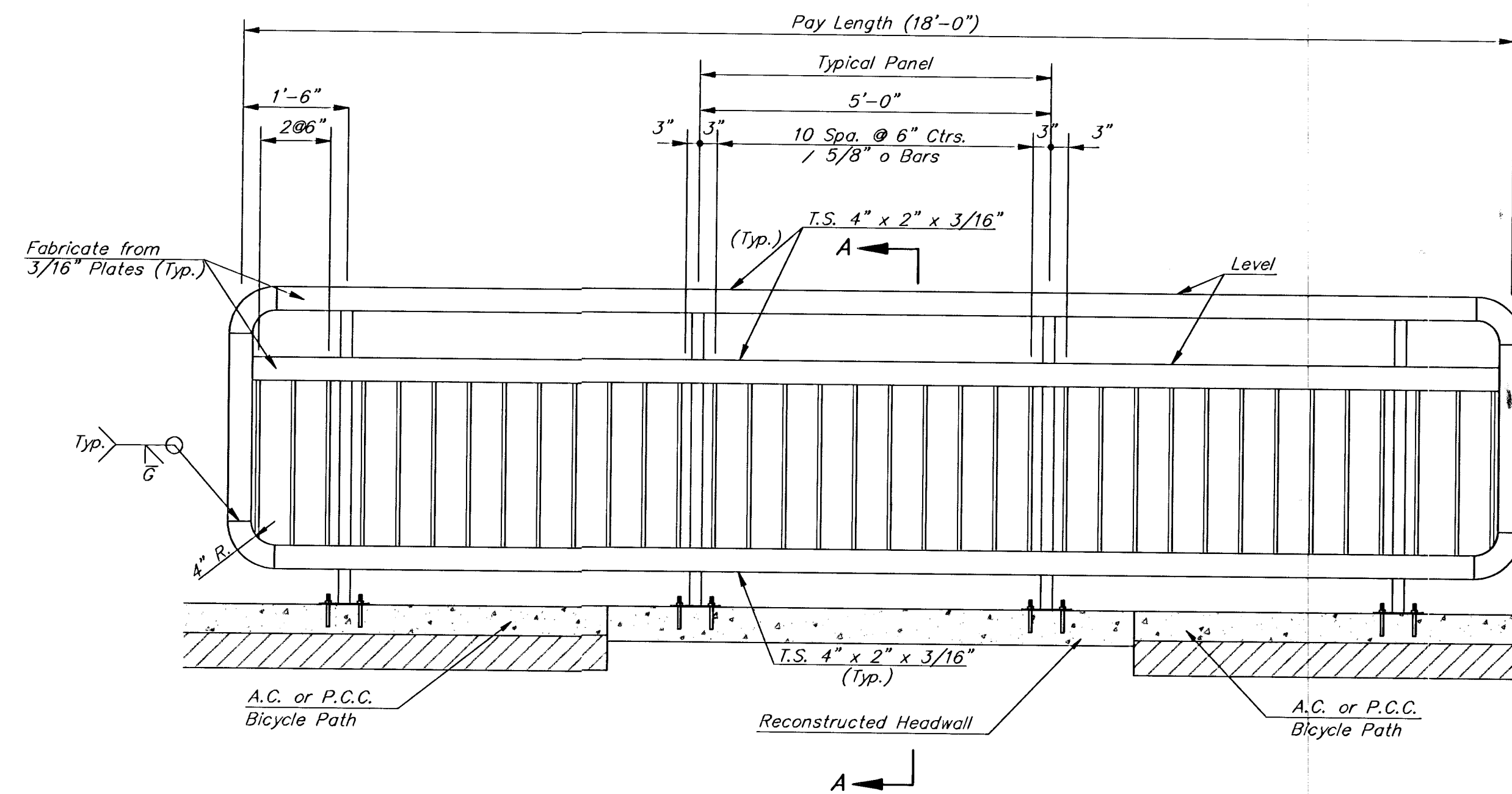


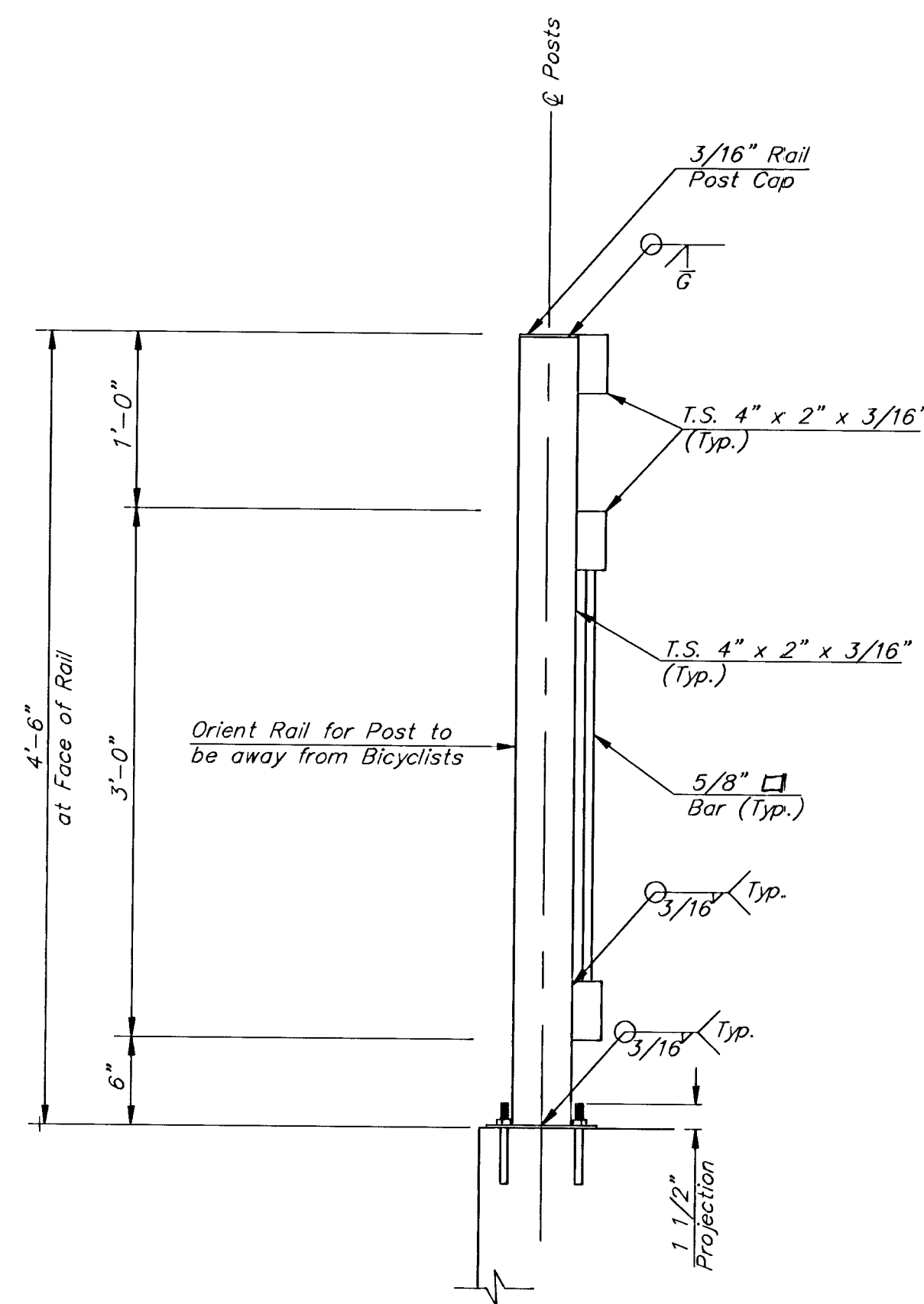
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	871E-0040-01	1997	17	33



HANDRAIL ELEVATION
WOODLAWN BRIDGE

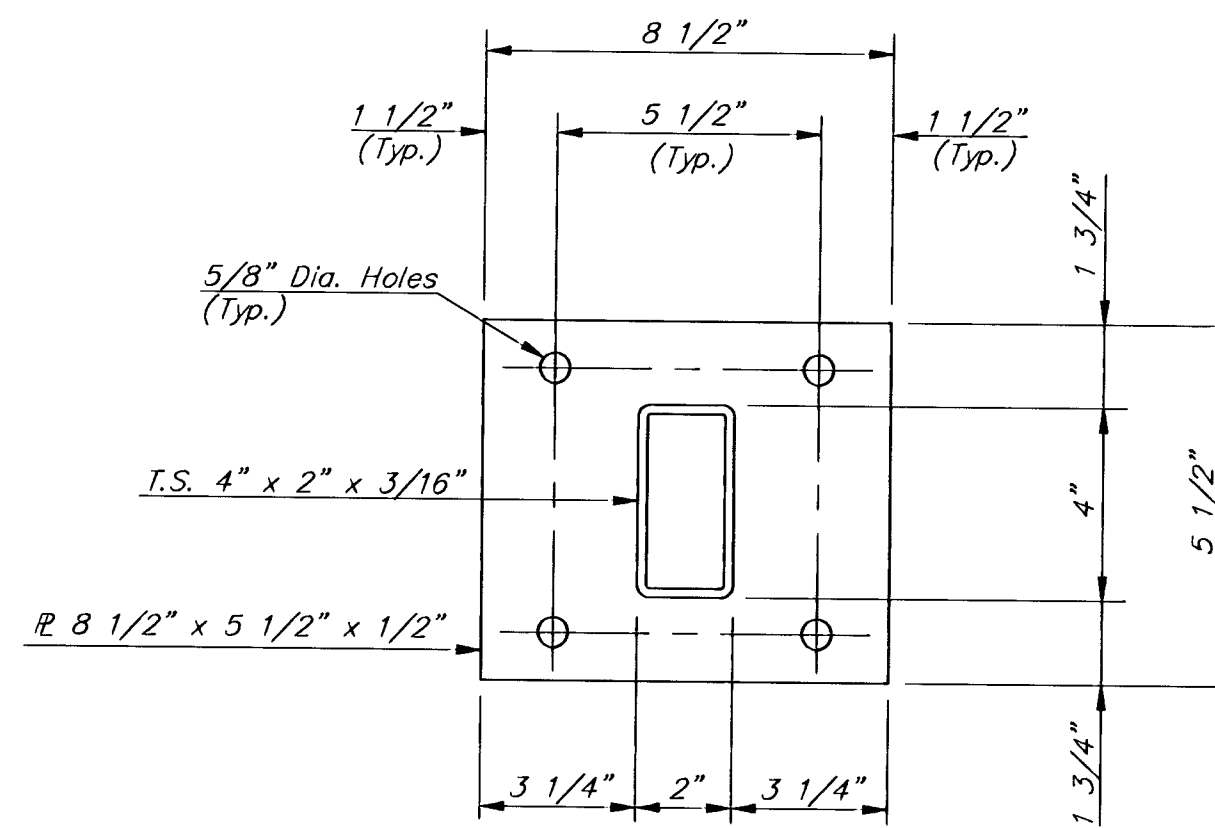


HANDRAIL ELEVATION
RECONSTRUCTED HEADWALL

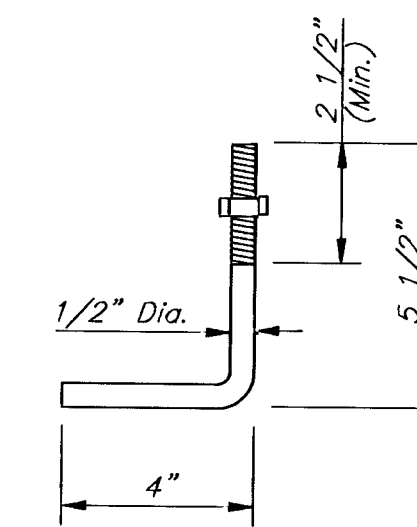


SECTION A-A

Note:
Rail Post on Hubguard shown,
Rail Posts on Headwall not shown
but similar controlling criteria.



BASE PLATE



Galvanized (ATSM A153)
Orient to provide min. 2" edge
clearance to either hubguard
face or adjacent bolts

ANCHOR BOLT

(May Substitute expandable anchor bolts
when approved by the Engineer)

Note: Anchor bolt as shown shall only be
used on reconstructed headwall handrail.
Handrail on Woodlawn Bridge shall use
Hilti HX 1/2 - 3 Anchor Bolts

GENERAL NOTES

The horizontal members of the rail and posts shall be hollow structural tubing. All structural steel and tubing shall comply to A.S.T.M. Designation A36 or A500 Grade B respectively.

Rail shall be fabricated in lengths as shown.

Posts and bars shall be set vertical and shimmed if required.

The handrail shall be painted shop and field with an inorganic zinc-acrylic paint system complying with the Standard Specifications for State Road and Bridge Construction, 1990 Edition Kansas Department of Transportation. (Color #0339)

Material and construction shall conform to the Structural Welding Code A.W.S. D1.1-88.

Shop details must be submitted and approved by the Engineer.

STA 4+02 TO 5+75, STA 79+29 TO 79+47
HANDRAIL DETAIL
GYPSUM CREEK BICYCLE PATH

B BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

DESIGNED BY B.P./D.Y.	CHECKED BY
DRAWN BY M.S.P.	DATE 3-30-94
JOB NO. 472-82573	FILENAME GYP\HANDRAIL