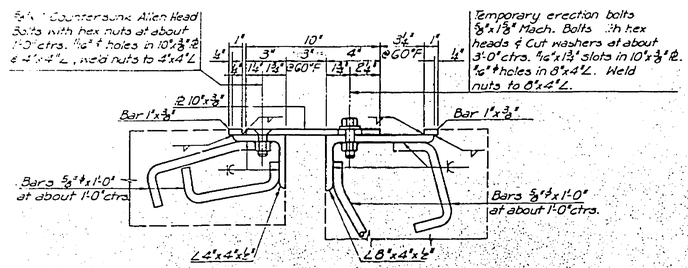
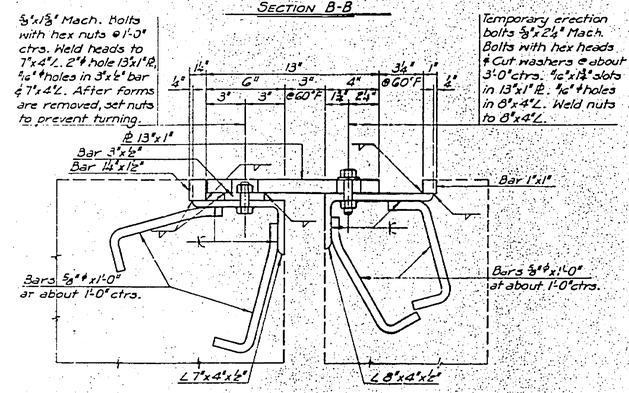
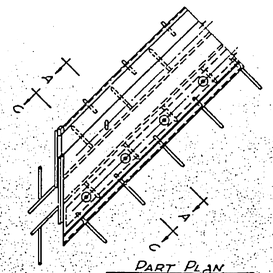


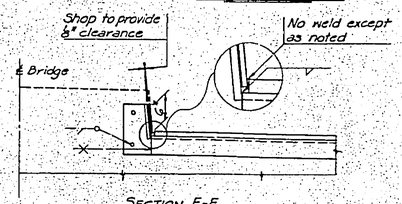
SECTION B-B



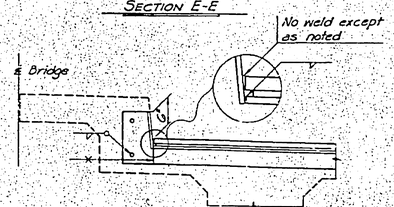
SECTION A-A



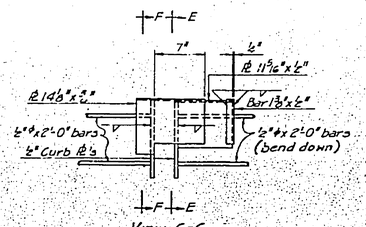
PART PLAN



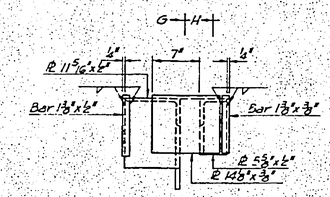
SECTION E-E



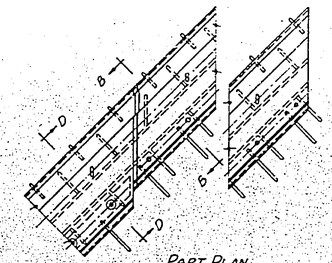
SECTION F-F



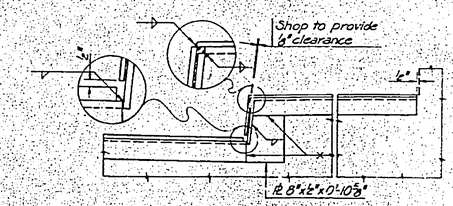
VIEW C-C



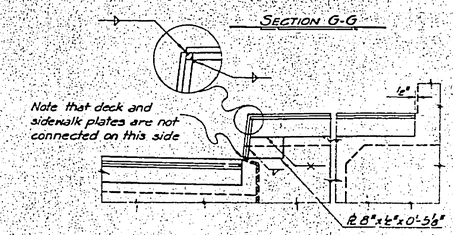
VIEW D-D



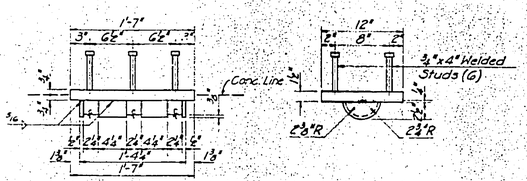
PART PLAN



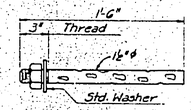
SECTION G-G



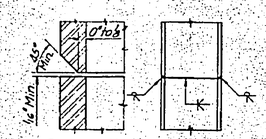
SECTION H-H



PIN DETAIL
Comp. Weight 143.7 Lbs. Ea.
(50 Req'd)

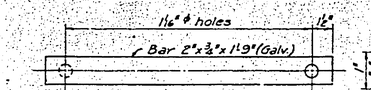


SWEDGED ANCHOR BOLT DETAIL
Comp. Weight 10.4 Lbs. Ea.
(120 Req'd)



SECTION THRU FLANGE

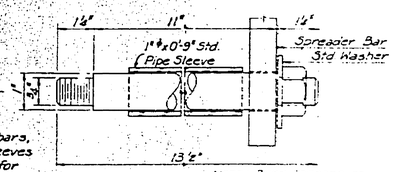
PILE SPLICE DETAIL



After falsework is removed from both beams, drill this hole (after galvanizing) as required to position bar properly.

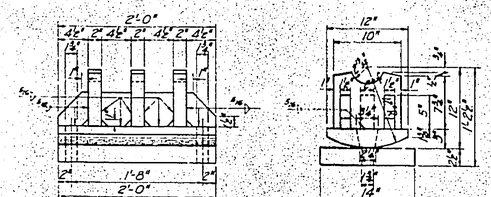
BAR

NOTE: 2 bars, pins & sleeves required for each Device, 2 Devices at each Diaphragm.

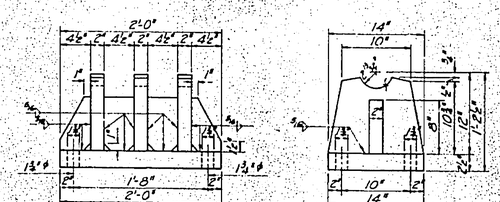


PIN

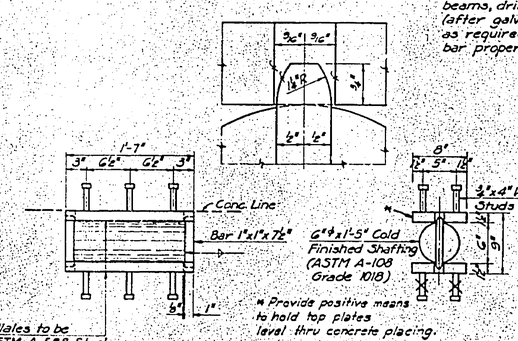
SPREADER DEVICE DETAILS
Comp. Weight 26.0 Lbs. Ea.
(40 Req'd)



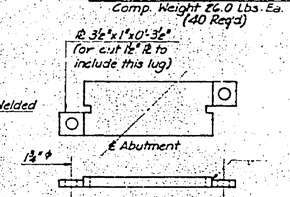
ROCKER DETAILS
Comp. Weight 609.7 Lbs. Ea.
(40 Req'd)
Typ. at Pier Nos. 1, 2, 4 & 5



BOLSTER DETAILS
Comp. Weight 514.2 Lbs. Ea.
(10 Req'd)
Pier No. 3 Only



BEARING DEVICE AT ABUTMENTS
Comp. Weight 275.[illegible] Ea.
(20 Req'd)



Optional Detail for setting bottom ℞'s. Omit welded studs and add anchor bolt lugs as shown, for grouted anchor bolts; set plates on grout. (As Built)

NOTE:
All parts of expansion devices and spreader devices shall be structural steel, A-36.

Sole plates, pins, rockers, rollers, roll plates, anchor bolts and nuts shall be included in Expansion Devices bid item. All parts of the expansion devices shall be A-36 steel except bearing pins and rollers shall be A-108, Grade 1018, roll plates for rollers shall be A-588 steel.

Structural Steel bid item includes all parts of expansion devices and spreader devices, only.

See Sheet 4 for general notes.

J:\Civil\04223\Original bridge plans\Sheet 12.dwg 06/01/2007 04:18:16 PM CST

CITY OF WICHITA, KANSAS
B.E. SMITH, P.E. CITY ENGINEER

TWENTY—FIRST STREET BRIDGE OVER THE BIG ARKANSAS RIVER

STRUCTURAL STEEL DETAILS & BEARING DEVICES

PROJECT C 10—51 AS—BUILT
NOVEMBER 1972