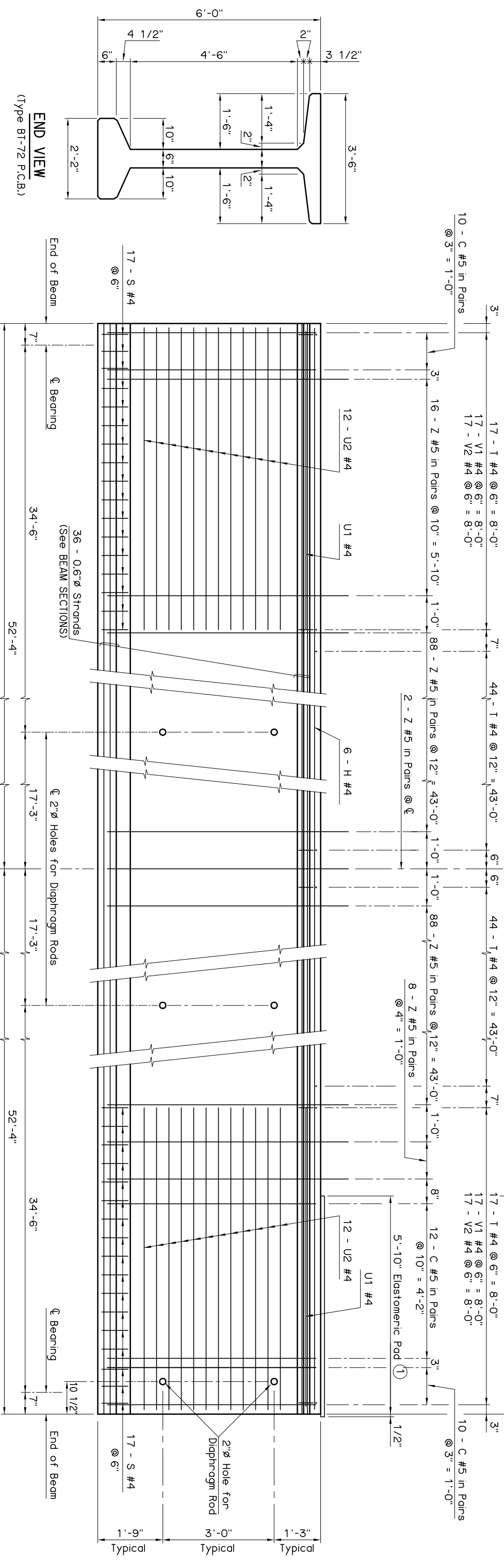


HALF PLAN AT ABUTMENT

HALF PLAN AT PIER



HALF ELEVATION AT ABUTMENT

HALF ELEVATION AT PIER

END VIEW  
(Type BT-72 P.C.B.)

Information shown on this sheet is applicable only to the standard bridge cross-section with 40' Clear Roadway, 8" Deck Slab and 4 Beams at 11'-4" spacing. Stay-In-Place Deck Forms are permitted if the conditions listed in the STAY-IN-PLACE DECK FORM NOTES on LONGITUDINAL SECTION sheet are satisfied. Any modification will require a custom design with an appropriate Dead Load Deflection Diagram.

**PRESTRESSED CONCRETE BEAM NOTES**

**COMPRESSIVE STRENGTH**  
The required compressive strength of the concrete is 6,300 p.s.i. at transfer of prestress and 9,000 p.s.i. at 28 days.

**STRAND TYPE**  
The required strand type is low-relaxation. Use strand having a nominal diameter of 0.6" with ultimate tensile strength of 270 k.s.i.  
**LFD OPERATING RATING** - HS 40.6

The Operating Rating shown is based on a nominal strength using only strands that are bonded for the full length of the beam. All partially bonded strands are neglected in strength computations.

① Elastomeric Pad shall have a 50 durometer hardness and consist of a single layer 7/8" thick x 3'-6" wide x 5'-10" 1/2" long. The pad shall extend 1/2" beyond the end of the beam as shown.

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE 12-1-04  
 OKLAHOMA DEPT. OF TRANSPORTATION  
 BRIDGE STANDARD (ENGLISH)  
 TYPE BT-72 P.C. BEAM DETAILS  
 105' SPAN  
 INTEGRAL (SHEET 1 OF 2)  
 1999 SPECIFICATIONS B40-I-PCB-BT-105-1 O1E  
 B-120E