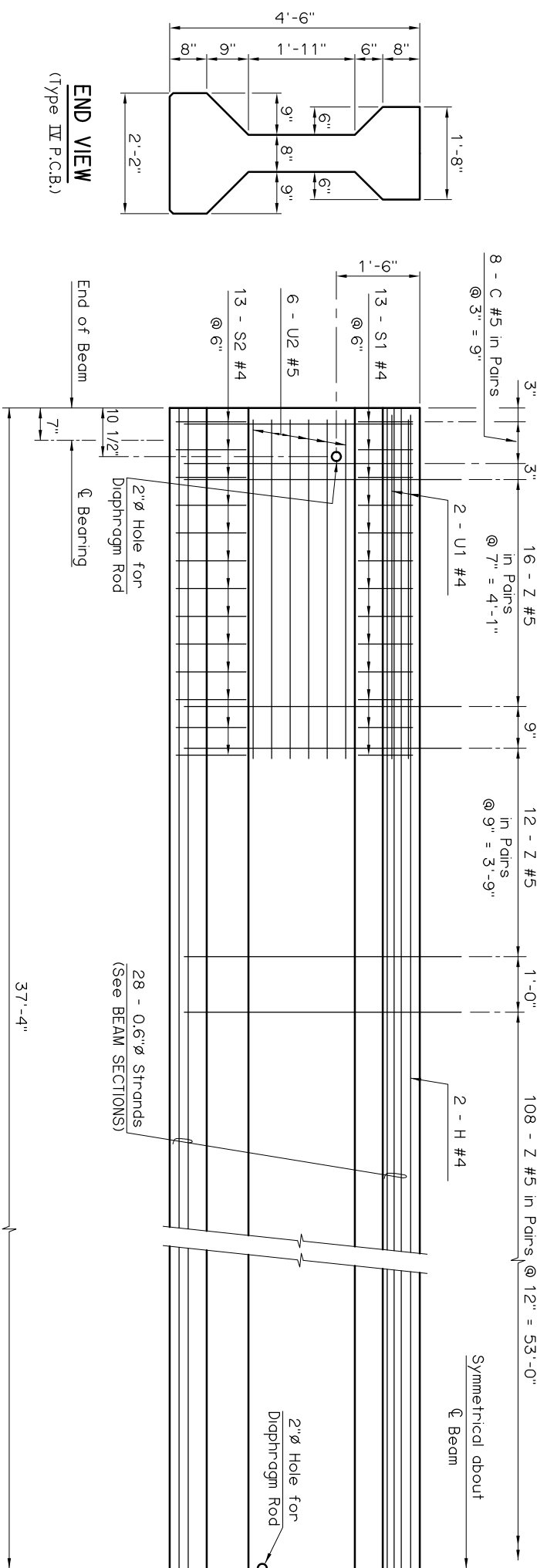
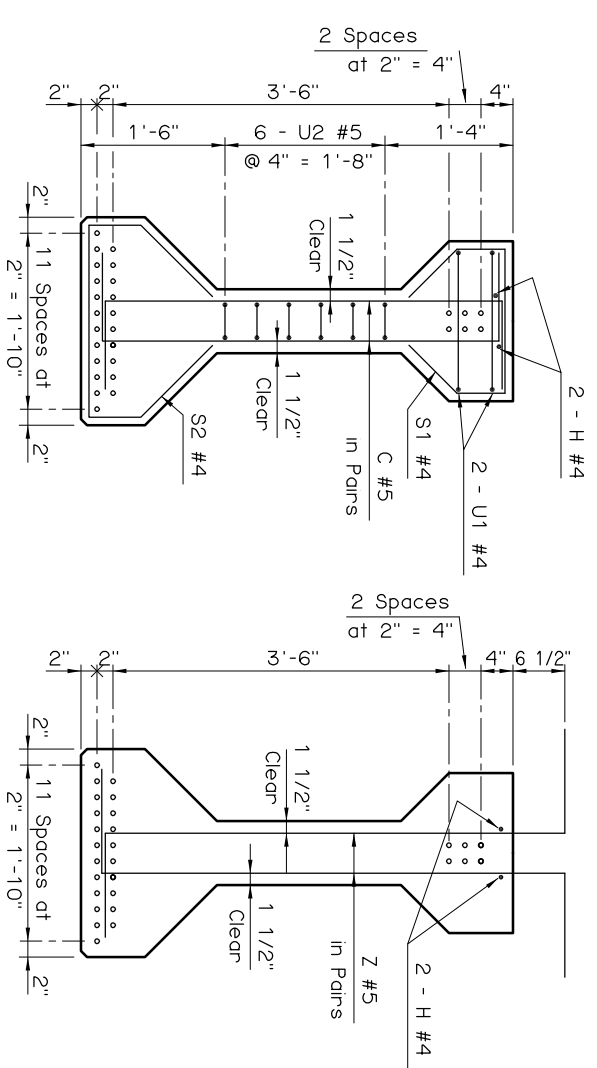
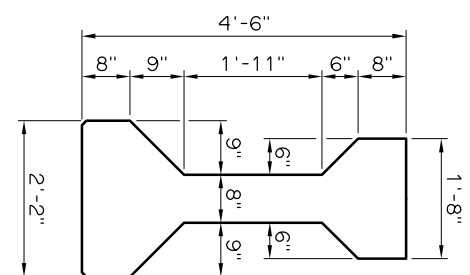


**PLAN**



**ELEVATION**

**END VIEW**  
(Type IV P.C.B.)



**BEAM SECTIONS**  
(28 - 0.6" ∅ STRANDS)

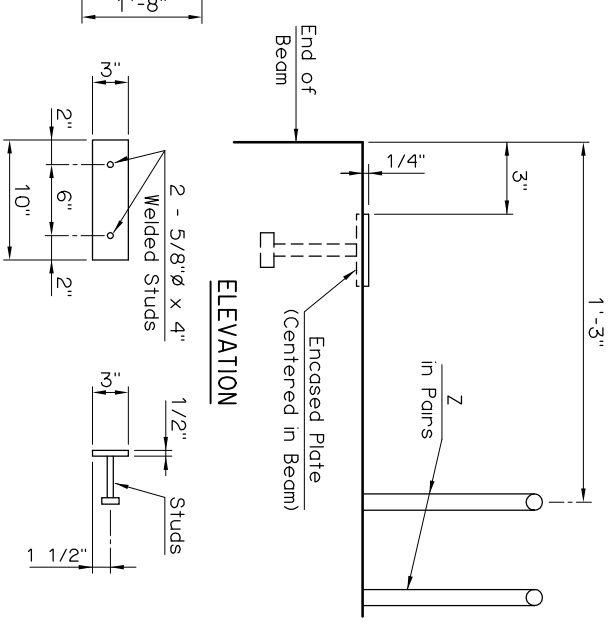
Information shown on this sheet is applicable only to the standard bridge cross-section with 40' Clear Roadway, 8" Deck Slab and 4 Beams at 11'-4" spacing. Stay-In-Place Deck Forms are permitted if the conditions listed in the STAY-IN-PLACE DECK FORM NOTES on LONGITUDINAL SECTION sheet are satisfied.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

**PRESSED CONCRETE BEAM NOTES**

**COMPRESSIVE STRENGTH**  
The required compressive strength of the concrete is 4,500 p.s.i. at transfer of prestress and 6,000 p.s.i. at 28 days.

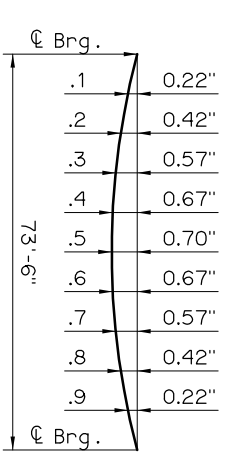
**STRAND TYPE**  
The required strand type is low-relaxation. Use strand having a nominal diameter of 0.6 with ultimate tensile strength of 270 k.s.i. LFD OPERATING RATING - HS 42.9

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.



**ENCASED BEAM PLATE DETAILS**

NOTE: Encased Beam Plate located at expansion end only.



NOTE: The Dead Load Deflection shown above at the tenth points are the initial deflections due to Deck Slab + Diphragms + 5 p.s.f. Deck Form Allowance + Concrete Traffic Rail. It does not include the Beam weight or Future Wearing Surface.

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE *8/16/03*

OKLAHOMA DEPT. OF TRANSPORTATION  
BRIDGE STANDARD (ENGLISH)  
TYPE IV P.C. BEAM DETAILS  
75' SPAN  
CONVENTIONAL

1999 SPECIFICATIONS    B40-C-PCB-IV-75    OOE    B-306E