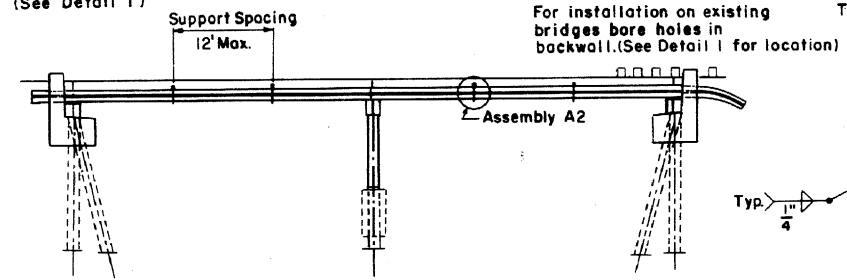
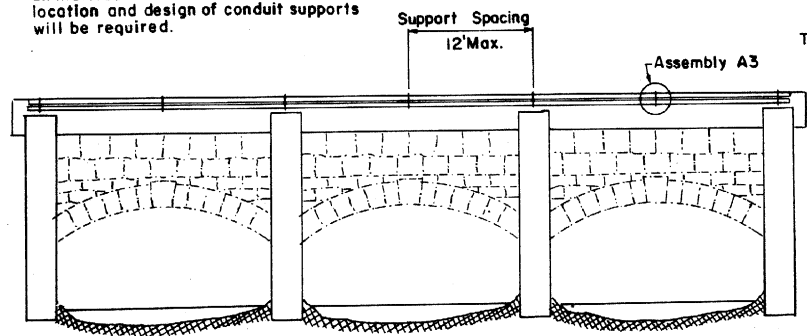


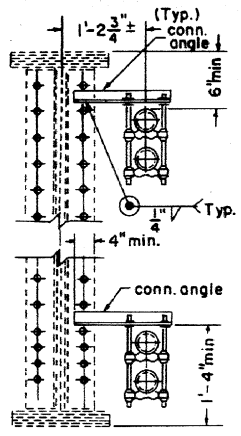
For installation on new bridges core holes in backwall. (See Detail 1)



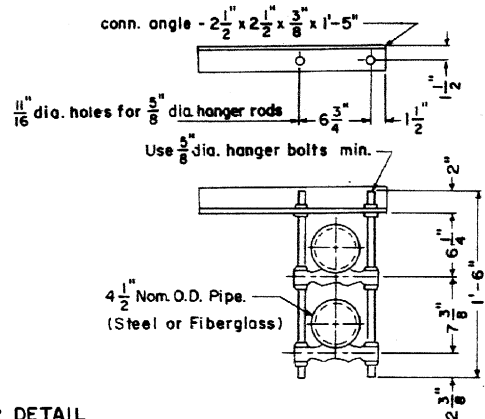
On thru truss and deck truss bridges, an individual determination as to location and design of conduit supports will be required.



STONE ARCH OR BRIDGE WITH CONCRETE PARAPET

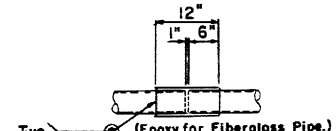


TYPICAL THRU AND DECK GIRDER DETAIL

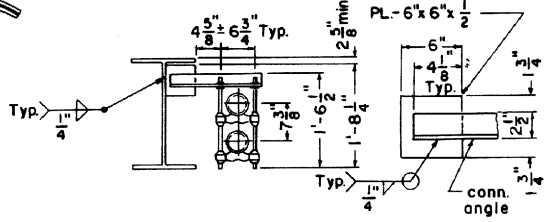


HANGER SUPPORT ASSEMBLY-A1

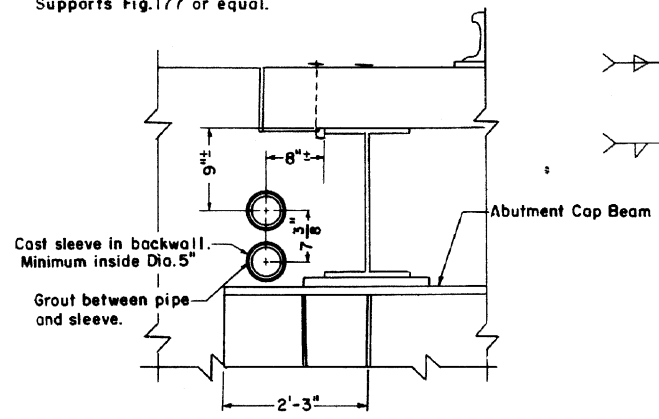
A2 and A3 same as A1 with connection plate.  
2-ITT Grinnell Adjustable Pipe Roll Supports Fig.177 or equal.



EXPANSION JOINT  
Minimum one joint on bridge of 36' or more. Maximum spacing - 75'

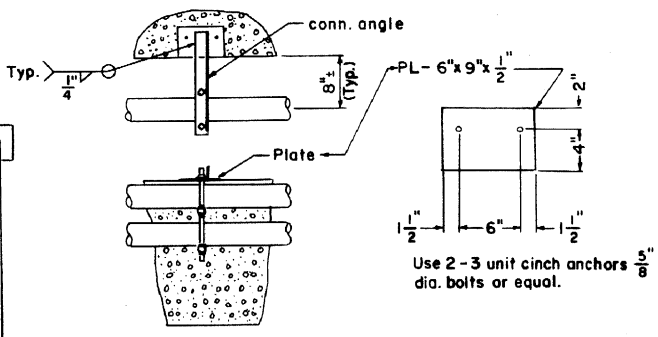


STANDARD TRESTLE CONNECTION DETAIL-A2



For steel trestles with shallow depth rolled beams (I.E. W18x97), lengthen conn. angle so hanger assembly will clear abutment cap beam.

DETAIL 1

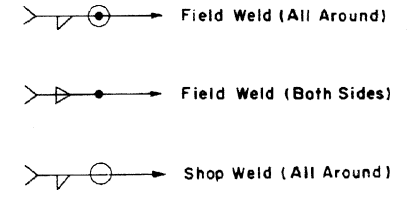


PARAPET CONNECTION DETAIL-A3

**NOTES**

- 1- Structural Steel as per A.S.T.M. Specs. A-36.
- 2- Welding to be in accordance with American Welding Society Structural Welding Code D1.1-82. All welds to be continuous unless otherwise shown. All welders to be qualified in accordance with A.W.S. Structural Welding Code or other regulations meeting with the approval of the engineer. All field welds to be made with E-70XX low hydrogen electrode with on-site protection and use of electrode heating units per current A.W.S. Specs.
- 3- No shop point. After erection new steel to receive one coat of primer and one coat of bridge finish point.

**WELD SYMBOLS**



STANDARD  
SIGNAL CONDUIT SUPPORT  
INSTALLATION ON VARIOUS  
TYPE BRIDGES

APRIL, 1984  
J. R. Clear Chief Engineer - Maintenance of Way  
Chief Engineer Officer