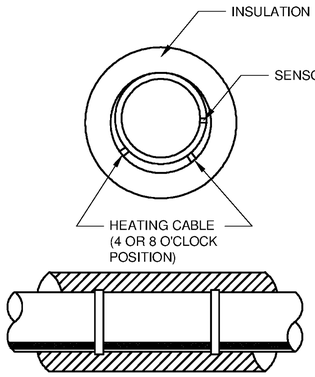
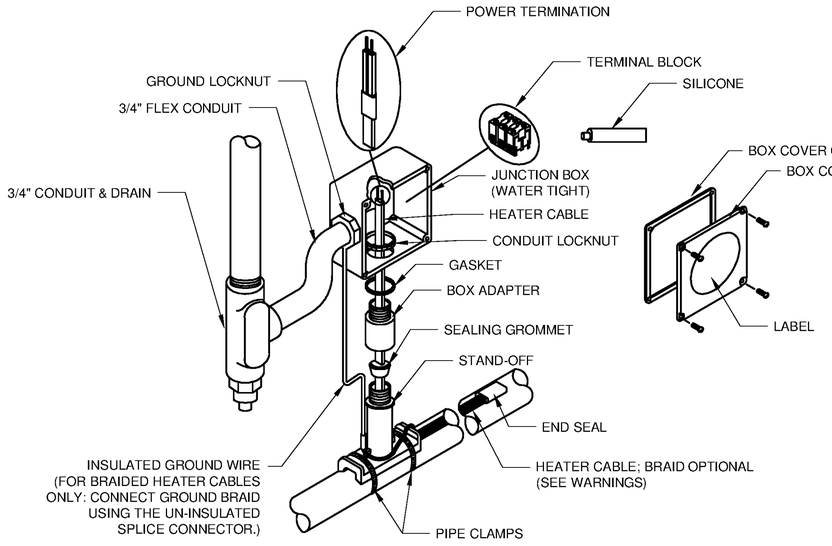


MULTIPLE STRAIGHT RUNS (TYPE 1)

STRAIGHT TRACING NOTES:
1. WHEN STRAIGHT TRACING IS USED, INSTALL THE HEATER CABLE ON THE LOWER QUADRANT OF THE PIPE. THIS HELPS PREVENT PHYSICAL DAMAGE TO THE HEATER CABLE FROM FALLING OBJECTS AND BEING WALKED ON.
2. ALTERNATIVE LOCATION IS THE 2 AND 10 O'CLOCK POSITION
3. SECURE PIPE AT 12" INTERVALS WITH FIBERGLASS TAPE.

HEATER CABLE WRAP

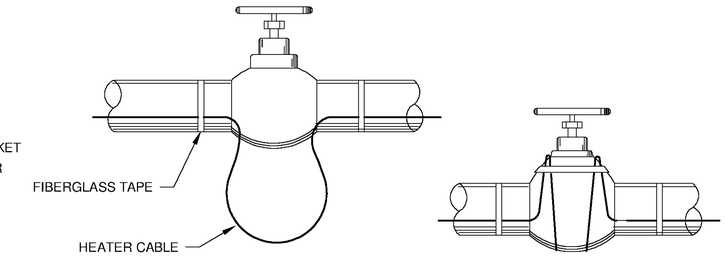
SCALE: NONE



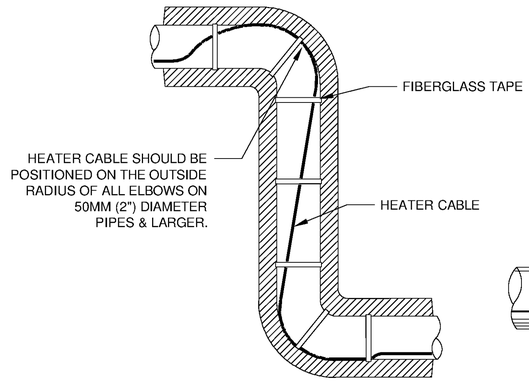
NOTES:
1. ARTICLE 427 OF THE NATIONAL ELECTRIC CODE REQUIRES THAT ALL HEATERS SHALL HAVE METAL COVERINGS AND BE PROVIDED WITH BRANCH CIRCUIT GROUND-FAULT PROTECTION.
2. IF NUISANCE TRIPPING OF GROUND FAULT BREAKERS OCCURS DUE TO CONDENSATION IN THE JUNCTION BOX, ELECTRICAL CONNECTIONS SHOULD BE MOISTURE PROOFED BY USE OF A COATING OR SEALANT.

POWER CONNECTION BOX BRAIDED CABLE

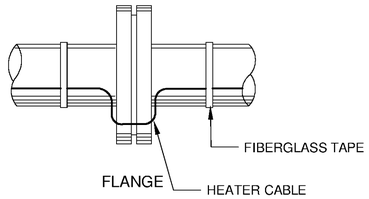
SCALE: NONE



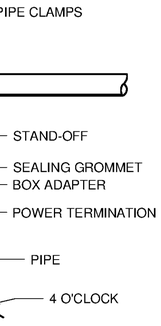
VALVE
(MAY VARY FOR DIFFERENT VALVE SHAPES)



ELBOW



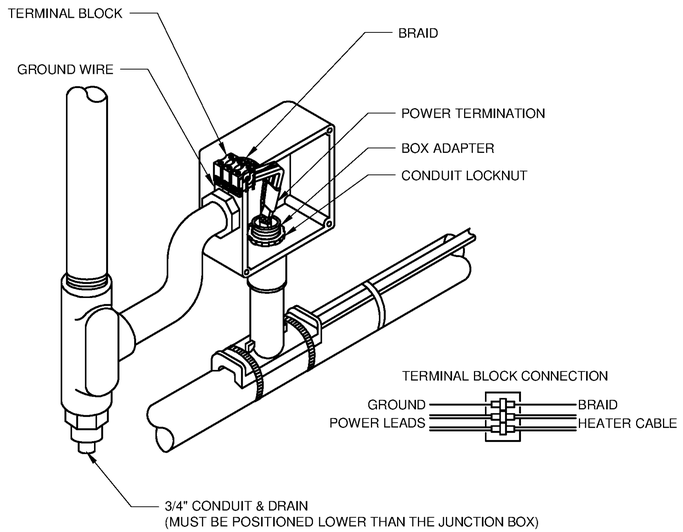
FLANGE



NOTES:
1. DO NOT PLACE PIPE CLAMPS OVER THE HEATER CABLE.
2. RECOMMEND INSTALLING AT THE 4 OR 8 O'CLOCK POSITIONS.

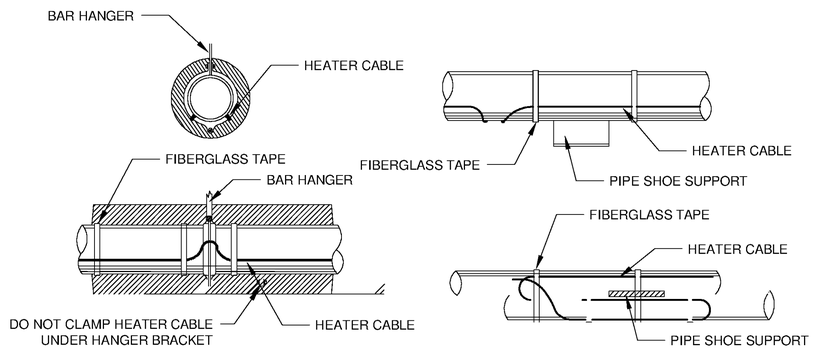
STAND-OFF INSTALLATION

SCALE: NONE



POWER CONNECTION BOX NON-BRAIDED CABLE

SCALE: NONE



HANGER SUPPORT

SHOE SUPPORT

TYPICAL HEATER CABLE INSTALLATION

SCALE: NONE

TETRA TECH
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PHONE: (256) 424-4077 FAX: (256) 424-4097

BID SET

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 21939 TIMOTHY A. CALZARETTA

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT
HEAT TRACE DETAILS

Project No.:	200-11740-10003
Designed By:	CSW
Drawn By:	TAC
Checked By:	DAB

E-9517

Copyright: Tetra Tech

Bar Measures 1 inch

10/17/2014 11:07:04 AM P:\IER\11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP E-9517 HEAT TRACE DETAILS.DWG - CALZARETTA, TIMOTHY