No. 2 AWG stranded copper wire, 1 bond wire shown, 2 required.

Exothermic weld wire connection, typ.

Note:
1. Mechanical joint style shown, other joints similar.

Joint Bond
Uncoated & Dielectric Coated Pipe

No. 2 AWG stranded copper wire, 1 bond wire shown, 2 required.

Split-bolt connector

Exothermic weld wire connection, typ.

No. 4 AWG stranded copper wire, Connection to header cable shown.

Note:
1. Mechanical joint style shown, other joints similar.
2. Connect fittings and valves to header cable or pipe run with (1) No. 4 AWG stranded wire.
3. Do not burn seals or sealing surface.

Joint Bond
Fittings & Valves

No. 2 AWG stranded copper wire, 1 bond wire shown.

Exothermic weld wire connection, typ.

No. 4 AWG stranded copper wire, Connection to pipe run shown.

Note:
1. Concrete cylinder pipe, push-on joint shown.

Joint Bond
Mortar Coated Steel Pipe (MCSP) & Concrete Cylinder Pipe (CCP)

Factory installed 1/2" dia steel rod. Extend rod 1' above concrete coating.

Grout band

Exothermic weld, wrap all exposed metal with PVC tape.

Portland cement grout or mortar min 1/2" over all bare metal.

Note:
1. Concrete cylinder pipe, push-on joint shown.

General Note:
1. All wire insulation is USE-type or HMWPE-type.

No. 12 AWG solid copper wire

Mastic or epoxy coat this weld

No. 12 AWG solid copper wire

Pipe

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

PORTLAND WATER BUREAU
CITY OF PORTLAND, OREGON

Chief Engineer

Standard Drawing Title

Effective Date

Calc. Book No.

Standard Drawing No.

P-755