

Attachment to LER-79-018-01T-0
Consumers Power Co
Big Rock Point Plant
Docket 50-155

Following replacement of "o ring" seals on four control rod drive flanges, an inspection with primary system pressure at 900 psig and the reactor subcritical revealed water on the outside of the drive housing at F-2 at 0406 hours on 4-20-79. Since this could not positively be attributed to condensation, reactor vessel thermal insulation was removed and water was observed to be coming from the shrink fit interface between the reactor vessel and the F-2 drive housing with the primary system pressure at 500 psig at 1500 hours on 4-20-79. The leak rate average over a four hour period at about 900 psig was 8.7 milliliters per minute. When reactor pressure was reduced to atmospheric conditions, the leakage stopped.

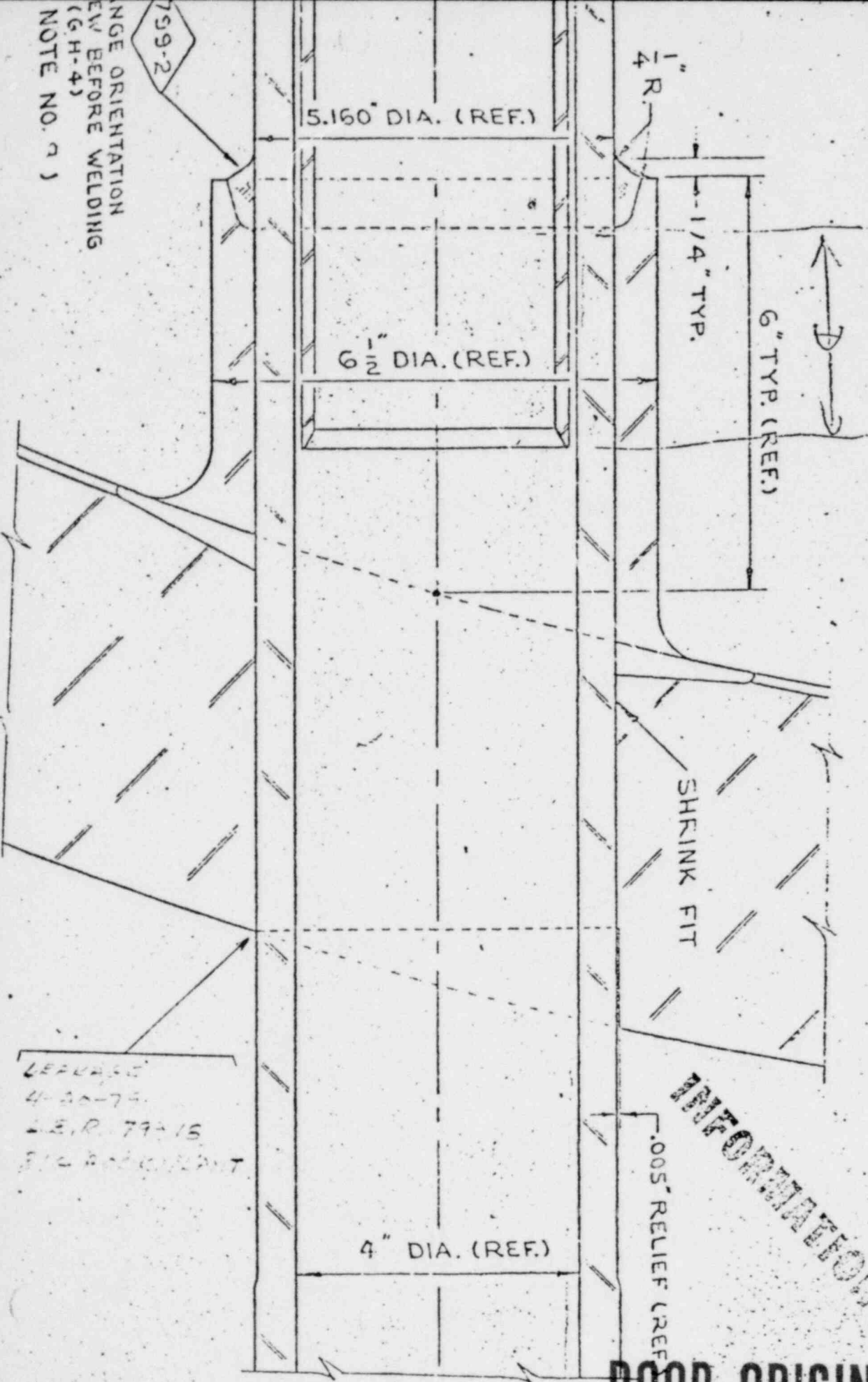
The plant remains in shutdown condition pending identification of the exact leak mechanism and subsequent evaluation. A project group has been organized to investigate the problem and the Nuclear Steam Supply System vendor and the reactor vessel fabricator have been contacted for assistance.

STEP 1 WELDING

FOR CONTROL DRIVE HOUSING STUB TUBE

PENETRATIONS 1 THRU 32

SCALE 3/16"



INFORMATION

POOR ORIGINAL