

EMPLOYERS REQUIREMENTS - PHASE 1

CONTRACTOR DESIGNED NEW HYDROTHERAPY POOL INSTALLATION

ELECTRICAL CHARACTERISTICS

[illegible]

ELECTRICAL CHARACTERISTICS - POOL INSTALLATION (Cont'd)

All control panel wiring shall be works checked prior to dispatch for loose connections, correct terminations and compliance with wiring diagrams.
In addition, functional checks shall be carried out in the works to ensure that all interlocking and sequencing is in accordance with the performance requirements of the specification.
The Engineer shall be given notice of such tests so that he may attend if they so desire.
With all control circuits disconnected but with all isolators closed and power fuses fitted the panels shall be subjected to a pressure test of 2.5kV for one minute across the following points:

a) Phase to phase
b) Phase to neutral
c) Phase to earth
d) Neutral to earth
This test shall be followed by an insulation resistance test with an approved type of 500V testing instrument.
With all electronic components and timeswitches removed and with all isolators closed and protective circuit devices fitted an insulation resistance of not less than 20 Megohms shall be obtained between each of the following points:

a) Phase to phase
b) Phase to neutral
c) Phase to earth
d) Neutral to earth