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Our Ref: OM-DE/088

29 October 1997

MEMORANDUM

To : All Engineering Staff

From : Andrew Loh

Subject : **DESIGN CONTROL**
STANDBY FIRE HOSE FOR RISING MAIN

Please be informed that standby fire hose is not required for residential development. (Purpose Group II).

Clause 6.25 of the Fire Code 1997 refers. (Copy attached).

ANDREW LOH

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(c) Running pressure at each discharging landing valve on the wet rising main system shall be maintained between the minimum and maximum values as stipulated in SS CP 29.

Running pressure

(d) Static pressure in any line of hose connected to a landing valve in a wet rising main system shall not exceed the specified value in SS CP 29.

Static pressure

(e) The location of storage tank and capacity of break tank where required shall comply with the requirements in SS CP 29.

(f) Where pumps are required for the wet rising main system, requirements specified in SS CP 29 shall be incorporated. Arrangements for the power supplies, both normal and emergency, shall be in accordance with the CP.

6.2.5 Standby Fire Hose For Rising Main

Standby fire hose shall be required for every rising main except for those in buildings under purpose group II. The following requirements shall be complied with:

Standby Fire Hose

(a) The standby fire hose shall be of 63.5 mm nominal internal diameter in order to ensure that the hose coupling will fit existing coupling tail pieces. The hose shall be rugged and capable of carrying water under substantive pressure in accordance with BS 6391. The required length of the hose shall be 30m.

Hose Size & Type

(b) The fire hose couplings shall be manufactured to BS specification or equivalent and of light alloy or gunmetal. The size of coupling shall be 63.5 mm male and female instantaneous type with standard (double-pull) release mechanism. The couplings shall be tied in by binding with galvanised mild steel wire and applied over a hose guard of synthetic fibre. It shall be able to withstand a minimum working pressure of 15 bars.

Hose coupling