NA

From: NA
Sent: Thursday, June 05, 2008 11:36 AM
To: members_of_the_staff
Subject: REVISED MASTER SPECIFICATION

Attachments: PSI section 2.pdf

Our Ref: OM-SC/018

The following master specification has been updated as highlighted in red.

Plumbing & Sanitary Installation (DSC & NSC) – Section 2 – Pumps, Tanks & Other Equipment – Clause 2.4 Potable Water Storage Tanks



PSI section 2.pdf
(45 KB)

Regards,
NA

Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 108 - 300508

To: LCT From: CCG

Job No./Project: Master Specs PS1 Section 2 Pumps, Tanks & Other Equipment *(where applicable)*

Source of feedback: _____

Scope of Feedback: * ~~Quality / Environmental / Administrative / Contractual / Technical~~ / Specification / ~~Others~~

Section A : Problem & Cause

Improvement to water tank specs picked-up from SCHP.

Section B : Mitigating Action Taken, if any

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Section C : Suggested Corrective Action

see attached.

Section D : Approved Corrective Action

Document Affected : ☑ Yes ☐ No Affected Document : Master Spec P/2-3

Approved By : _____ Date : 2/6/08

Section E : Action

Action By : NA

Targeted Completion : June 2008

Actual Completion : 5 June 2008 Verified By : _____

* *Delete as appropriate*

Distribution: | | | | | | |

05/06/08

2.4 Potable Water Storage Tanks

Potable water storage tanks shall be supplied and fitted generally as shown in the accompanying drawings. Tanks shall be of the 2 compartments type complete with internal and external access ladders, ball valves, inlet, outlet and overflow flanges, level indicators, level controls, I-beam supports and all other necessary fittings.

All potable water storage tanks shall be constructed of fibreglass reinforced polyester plates of 1.0m x 1.0m nominal size to SS 245 complete with covers, manholes, hasp and staples, pad locks. Panel shall be hot press moulded and able to withstand local outdoor weather condition.

All tanks shall be fitted with tight-fitting covers for access openings. All overflow pipes and vent pipes shall be screened to prevent mosquito breeding.

The bolt, nuts, external reinforcement angle bars, internal tie rod, ladders, hinges and other accessories for the GRP tank shall be of stainless steel 304.

All fibreglass reinforced polyester water storage tank for potable water storage shall be approved by Water Department, Public Utilities Board.

30/11/95

2.5 Pressed Steel Tanks

Pressed steel water storage tanks shall be supplied and fitted generally as shown in the accompanying Specification Drawings. Tanks shall be of the 2 compartment type complete with internal and external access ladders, ball valves, inlet, outlet and overflow flanges, level indicators, float switches and all other necessary fittings.

All pressed steel water storage tanks shall be constructed of mild steel plates of 1.2m x 1.2m nominal size to SS 22, complete with covers, manholes, hasp and staples, pad locks including painting internally with 3 coats of non-toxic and non-corrosive bitumastic or PVC based paint and externally with one coat of rust proof etch primer to a dry film thickness of 30 microns and finished with 2 coats of chlorinated rubber resistant finish giving an additional total dry film thickness of 60 microns. All tanks shall be fitted with tight fitting covers and access openings, and all overflow pipes shall be screened to prevent mosquito breeding.

05/09/03

2.6 Electric Water Heater

Storage type of electric water heater complete with storage tank, heating element, insulation, automatic temperature control, over temperature protector etc. shall be provided as shown in the drawings.

The storage tank shall be fabricated from high quality steel suitable for its usage and conditions. The tank surface shall be coated internally with a layer of porcelain to give a tough, smooth, glasslike lining. The tank shall be designed to withstand a minimum working pressure of 10 bars.

Sufficient thickness of fibreglass or rock wool shall be provided to maintain temperature of stored water to conserve energy.

Automatic temperature control shall consist of an adjustable type temperature setting which automatically keeps the water temperature at preset level.

The over temperature protector shall automatically cut off the power supply in the event that desire preset temperature is exceeded.