NA

From: NA
Sent: Friday, September 21, 2007 5:34 PM
To: members_of_the_staff
Subject: REVISION TO MASTER SPECS - ACMV & FFAI

Our Ref: OM-SC/025

Please note that the following master specifications have been updated. The changes are overmarked in the attached specifications.

1. Air Conditioning & Mechanical Ventilation Installation (DSC & NSC)

Section 8 – Controls
Schedule 4 – Schedule of Rates

2. Fire Fighting & Alarm Installation (DSC & NSC)

Schedule 4 – Schedule of Rates



spec.pdf (317 KB)

Regards
NA

Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 99-140907(S)

To: LCT From: CCG

Job No./Project: Master Specs. - ACMV - Section 8 - Controls *(where applicable)*

Source of feedback: ACMV - Schedule 4 - Rates
FFAI - Schedule 4 - Rates

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

Section A : Problem & Cause

① Update of obsolete IT hardware for BAS.
② Revised the schedule of rates for type unknown
③ Revised ~~and~~ schedule of rate for addressable fire alarm component.

Section B : Suggested Corrective Action

See attached amendment.

Section C: Approved Corrective Action

Approved By : _____ Date: 19/9

Section D : Action

Action By: NA

Targeted Completion: 20/9/07

Actual Completion: 20/9/07 Verified By: _____

* *Delete as appropriate*

Distribution:

~~S4.9~~ **Water Storage Tank Support ('I' Beams):** Installed price per metre run (inclusive of painting and other accessories).

delete for Mosh spec.

Depth (mm)	Width of Flange (mm)	Weight Per Meter Run (Kg/m)	Prices (S$/meter)

S4.9 ~~S4.10~~ **Draining and Charging of Sprinkler Controlled by One Installation Valve**

(a) Rate for draining ... ... S$ .....

(b) Rate for charging ... ... S$ .....

S4.10 ~~S4.11~~ **Fire Extinguishers:** Installed per fitting complete with bracket.

Type	Weight	Make & Model No.	Price S$
Carbon Dioxide (CO_2)	2.3 4.5		
Dry Chemical	2.5 4.5 9.0		

S.4.11 ~~S4.12~~ **Dry Riser**

(a) Landing Valves: Installed price per assembly (inclusive of plug, chain, strap, padlock, etc.)

... ... S$ .....

(b) Breeching Inlets: Installed price per assembly (inclusive of box, etc.)

2-way type ... ... S$ .....

4-way type ... ... S$ .....

S4.12 ~~S4.13~~ **Wet Riser Landing Valve:** Installed price per assembly (inclusive of plug, chain, strap, padlock, etc.)

Standard type ... ... S$ .....

Pressure Reducing Type ... ... S$ .....

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S4.13 ~~S4.14~~ **Fire Alarm System** (Addressable System)

(a) Sub-Fire Indicator Board (SIB), inclusive of internal wiring, accessories, etc.

(i) 8 zones ... ... S$ .....

(ii) 12 zones ... ... S$ .....

(iii) 16 zones ... ... S$ .....

(b) 1 No. addressable smoke detector inclusive of accessories etc. c/w wiring
... ... S$ .....

(c) 1 No. addressable heat detector inclusive of accessories etc. c/w wiring
... ... S$ .....

(d) 1 No. addressable manual call point inclusive of accessories etc. c/w wiring
... ... S$ .....

(e) 1 No. alarm bell (weatherproof type) c/w wiring
... ... S$ .....

Add to Addressable Spec.

(f) 1 No. Mimic Panel - - - - S$ ——

(g) 1 No. Interface Module inclusive of access etc c/w wiring S$ —

(h) " Control Module " " " " S$ —

(i) 1 No. Addressable Loop Card S$ ——

Recreate another S4.13 for addressable system

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S4.6 **Pressure Reducing Valves:** Installed price per piece (inclusive of painting, etc).

... ... S$ .....

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S4.7 **Hosereel:** Installed price per assembly (inclusive of stop valve, reel, hose, guides, nozzle, etc).

... ... S$ .....

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S4.8 **Water Storage Tank:** Installed price per panel (inclusive of painting, bolts and nuts, sealants, stays etc.)

(a) 4.5mm thick panel ... ... S$ .....

(b) 6mm thick panel ... ... S$ .....

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S4.9 **Draining and Charging of Sprinkler Controlled by One Installation Valve**

(a) Rate for draining ... ... S$ .....

(b) Rate for charging ... ... S$ .....

9/3/99

S4.10 **Fire Extinguishers:** Installed per fitting complete with bracket.

Type	Weight	Make & Model No.	Price S$
Carbon Dioxide (CO_2)	2.3 4.5		
Dry Chemical	2.5 4.5 9.0		

30/11/95

S4.11 **Dry Riser**

(a) Landing Valves: Installed price per assembly (inclusive of plug, chain, strap, padlock, etc.)

... ... S$ .....

(b) Breeching Inlets: Installed price per assembly (inclusive of box, etc.)

2-way type ... ... S$ .....

4-way type ... ... S$ .....

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S4.12 **Wet Riser Landing Valve:** Installed price per assembly (inclusive of plug, chain, strap, padlock, etc.)

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Standard type ... ... S$ .....

Pressure Reducing Type ... ... S$ .....

9/3/99

S4.13 Fire Alarm System

(a) Sub-Fire Indicator Board (SIB), inclusive of internal wiring, accessories, etc.

(i) 8 zones ... ... S$ .....

(ii) 12 zones ... ... S$ .....

(iii) 16 zones ... ... S$ .....

(b) 1 No. smoke detector inclusive of accessories etc. c/w wiring ... ... S$ .....

(c) 1 No. heat detector inclusive of accessories etc. c/w wiring ... ... S$ .....

(d) 1 No. manual call point inclusive of accessories etc. c/w wiring ... ... S$ .....

(e) 1 No. alarm bell (weatherproof type) c/w wiring ... ... S$ .....

19/07/07

S4.14 Addressable System

(a) 1 No. addressable smoke detector inclusive of accessories etc. c/w wiring ... ... S$ .....

(b) 1 No. addressable heat detector inclusive of accessories etc. c/w wiring ... ... S$ .....

(c) 1 No. addressable manual call point inclusive of accessories etc. c/w wiring ... ... S$ .....

(d) 1 No. alarm bell (weatherproof type) c/w wiring ... ... S$ .....

(e) 1 No. mimic panel ... ... S$ .....

(f) 1 No. interface module inclusive of accessories etc. c/w wiring ... ... S$ .....

(g) 1 No. control module inclusive of accessories etc. c/w wiring ... ... S$ .....

(h) 1 No. addressable loop card ... ... S$ .....

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Official Stamp & Authorised Signature of Tenderer