Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 167-050815(S)

To: CCG From: LFY

Job No./Project: Master Specification for Lift & Escalator Installation – Schedule 2 – Schedule of Technical Requirements – Schedule 3 – Schedule of Prices *(where applicable)*

Source of feedback:

Scope of Feedback: * [ ]Quality [ ]Environmental [ ]Administrative [ ]Contractual [ ]Technical [X]Specification [ ]Others

Section A : Problem & Cause

Refer to attached

Section B : Mitigating Action Taken, if any

–

Section C : Suggested Corrective Action

Refer to attached

Section D : Approved Corrective Action

Document Affected * : [✓]Yes [ ]No Affected Document : Schedule 2 & Schedule 3

Approved By : Date : 6/8/2015.

Section E : Action

Action By : NA Com

Targeted Completion : August 2015

Actual Completion : 6/8/2015 Verified By : Shaw 6/8/15

** Mark [X] where appropriate*

Distribution:

↳ By email to all staff

Master Specification for Lift & Escalator Installation

Item	Problem & Cause	Suggested Corrective Action
1.	**Schedule 2 – Schedule of Technical Requirements**	
1.1	S2.2 – Technical Requirements of Lifts Lift pit dimension missing	To include lift pit as one of the requirements to be specified
2.	S2.4 - Lift Finishes	
2.1	Title is not clear	The title of Schedule S2.4 should be changed to Lift Car Finishes instead of Lift Finishes to clarify that the finishes referred to, are for the lift car.
2.2	Item 2 of S2.4 is described as 'Architrave'. This is not a lift terminology	This term should be changed to "Door Jamb", to be in line with the terminology used in the lift industry. Door jambs are available in concealed, narrow and wide versions and the engineer has to finalise this with the ID consultant or architect as appropriate, prior to calling of tender.
2.3	Item 8 – Car Floor* is not clear.	Item 8 explanatory note to indicate that the car floor* refer to marble or other floor finishes. To include the following note on floor finishes: *Marble flooring or other floor finishes. To be provided by Main Contractor and installed by Lift Contractor.
3.	**Schedule 3 – Schedule of Prices**	
3.1	Presently, our Schedule 3 – Schedule of Prices caters for the scenario whereby the lift car finishes are not finalised prior to calling of tender, i.e. when the developer has not appointed an interior design (ID) consultant at the time of tender or when the architect (for projects without ID consultant) has not produced any lift car finishes drawing.	For the ease of preparing the lift specifications, another Schedule 3 should be produced for the case when the lift finishes have been finalised prior to calling of tender.
3.2	Items 2 & 3 – Presently described as Lift Nos.	Items 2 & 3 will be described as "Passenger Lift Nos….." and "Firemen/Service Lift Nos…." instead of just "Lift Nos…." for clarity.
3.3	Items 4 & 5 – Presently described as lift finishes only.	Items 4 & 5 of the existing Schedule 3 should also be updated to reflect that the lift finishes referred to, are the lift car finishes and not the lift landing finishes for clarity. Lift landing finishes are under the purview of the ID consultant.
3.4	No provision of "On-site mock-up" or "Off-site mock-up".	On-site and Off-site mock-up of lift finishes will be added so that the lift contractor will price for it accordingly. Specifier to select "On-site mock-up" or "Off-site mock-up" as the case may be.
3.5	No provision of lodgement fees for renewal of certificate of lift maintenance and testing during maintenance period.	Lodgement fees payable to BCA for renewal of certificate of lift maintenance and testing during maintenance period.

(b) Plan, elevation and sectional drawings showing detailed layouts of escalators. Mounting details of escalators including vibration isolators shall be shown.

(c) Typical fixing details for guide rails, buffers, counterweights, all safety devices, doors/architraves, hoistway emergency access doors, door sills, fascia plates, all types of hall fixtures, lift car finishes, suspended ceiling, etc.

(d) Constructional details of escalators.

(e) Layout of equipment panels.

(f) Single line diagrams of power supplies and schematic and wiring diagrams of the control & drive system including protective, indicative signalling and alarm circuits.

(g) Any other drawings required to completely illustrate and describe the equipment supplied.

S2.2 Technical Requirements of Lifts

Item	Description	Lift No.	Lift No.	Lift No.	Lift No.
1.	Designation				
2.	No. of Lifts				
3.	Usage				
4.	Capacity (Persons/kg)				
5.	Speed				
6.	Floors Served				
7.	Hall Entrances				
8.	Travel Distance (mm)				
9.	Overrun (mm)				
10.	Lift Pit (mm)				
11.	Designated floor (Main Lobby)				
12.	Sizes (W) mm x (H) mm & Type of Doors				
13.	Height of Car Cage (mm) To soffit				
	To false ceiling				
14.	Operation/Control System				
15.	Type of Drive				

.....
Official Stamp & Authorised Signature of Tenderer

S2.4 Lift Car Finishes

Item	Description	Lift No.	Lift No.	Lift No.
1.	Designation			
2.	Door Jamb (a) Main Storey			
	(b) Other Storeys			
3.	Hall Doors (a) Main Storey			
	(b) Other Storeys			
4.	Car Transom Panels			
5.	Car Entrance Columns			
6.	Car Walls (a) Front			
	(b) Sides			
	(c) Rear			
7.	Car Doors			
8.	Car Floor *			
9.	Car Ceilings			
10.	Car Handrails			
11.	Skirting			

* Marble flooring or other floor finishes. To be provided by Main Contractor and installed by Lift Contractor.

S2.5 Technical Requirements of Escalators

Item	Description	Escalator No.	Escalator No.	Escalator No.
1.	Capacity (persons/hours)			
2.	Step Width (mm)			
3.	Angle of Inclination			
4.	Speed (mpm)			
5.	Arrangement			
6.	Floor Served			
7.	Rise (mm)			

.....
Official Stamp & Authorised Signature of Tenderer

Select S3.1a When lift finishes have been finalised.
Item 2 to 6 - Engineer to fill in Lift Nos. as designated by the architect.
Item 13 - Either "On-site" or "Off-site" mock-up to be selected.
S3.1a

S3.1 Schedule of Prices

Item	Description	Prices(S$)
1.	General & Preliminaries (a) Project Supervision & Management	
	(b) Shop Drawings	
	(c) As-built Drawings (CD Roms & Prints)	
	(d) O&M Manuals	
2.	Passenger Lift Nos.	
3.	Firemen Lift Nos.	
4.	Carpark Lift Nos.	
5.	Service Lift Nos.	
6.	Lift Finishes As Specified: - Passenger Lift Nos. - Firemen Lift Nos. - Carpark Lift Nos. - Service Lift Nos.	
7.	Escalator Nos.	
8.	Escalators Finishes As Specified: - Escalators Nos.	
9.	Lift Supervisory Control Centre	
10.	Surge Diverters	
11.	Protective Canvas Pads complete with Stainless Steel Hooks	
12.	Protective Perspex Sheets	
13.	On-site mock-up of lift finishes (a) Passenger lift - common	
	(b) Passenger lift - private	
13.	Off-site mock-up of lift finishes (a) Passenger lift - common	
	(b) Passenger lift - private	

.....
Official Stamp & Authorised Signature of Tenderer

SCHEDULE 3 - SCHEDULE OF PRICES (Cont'd)

Item	Description	Prices(S$)
14.	Testing & Commissioning	
15.	Servicing & Maintenance during Maintenance Period	
16.	Lodgement fees for renewal of certificate of lift maintenance and testing during maintenance period	
17.	Other items & works not included in the above list:	
	(a)	
	(b)	
	(c)	
18.	TOTAL TENDER PRICE (to be transferred to Form of Tender)	

Note: **A price is to be entered for every item in this Schedule of Prices. "Included", "By Others" or "NA" are not allowed.**

.....

Official Stamp & Authorised Signature of Tenderer

Select S3.1b When lift finishes have not been finalised.
Item 2 to 6 - Engineer to fill in Lift Nos. as designated by the architect.
Item 8 – Either Specified Finishes or Provisional Sum to be selected.
Item 13 - Either "On-site" or "Off-site" mock-up to be selected.
S3.1b

S3.1 Schedule of Prices

Item	Description	Prices(S$)
1.	General & Preliminaries (a) Project Supervision & Management	
	(b) Shop Drawings	
	(c) As-built Drawings (CD Roms & Prints)	
	(d) O&M Manuals	
2.	Passenger Lift Nos.	
3.	Firemen Lift Nos.	
4.	Carpark Lift Nos.	
5.	Service Lift Nos.	
6.	Provisional Sum for Interior Design Finishes: - Passenger Lift Nos. - Firemen Lift Nos. - Carpark Lift Nos. - Service Lift Nos.	
7.	Escalator Nos.	
8.	Escalators Finishes As Specified: - Escalators Nos.	
8.	Provisional Sum for Interior Design Finishes: - Escalators Nos.	
9.	Lift Supervisory Control Centre	
10.	Surge Diverters	
11.	Protective Canvas Pads complete with Stainless Steel Hooks	
12.	Protective Perspex Sheets	
13.	On-site mock-up of lift finishes (a) Passenger lift - common	
	(b) Passenger lift - private	
13.	Off-site mock-up of lift finishes (a) Passenger lift - common	
	(b) Passenger lift - private	

.....
Official Stamp & Authorised Signature of Tenderer

Item	Description	Prices(S$)
14.	Testing & Commissioning	
15.	Servicing & Maintenance during Maintenance Period	
16.	Lodgement fees for renewal of certificate of lift maintenance and testing during maintenance period	
17.	Other items & works not included in the above list: (a)	
	(b)	
	(c)	
18.	TOTAL TENDER PRICE (to be transferred to Form of Tender)	

Note: **A price is to be entered for every item in this Schedule of Prices. "Included", "By Others" or "NA" are not allowed.**

.....
Official Stamp & Authorised Signature of Tenderer