Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 145-040910(S)

To: LCT From: LFY

Job No./Project: Lift Master Specs Section 5 - Hallway Fixtures *(where applicable)*

Source of feedback:

Scope of Feedback: * ☐ Quality ☐ Environmental ☐ Administrative ☐ Contractual ☐ Technical ☒ Specification ☐ Others

Section A : Problem & Cause

"Out of service" indicator"

Section B : Mitigating Action Taken, if any

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Section C : Suggested Corrective Action

Specifications for "Out of service" indicator added.

Section D : Approved Corrective Action

Document Affected * : ☑ Yes ☐ No Affected Document : Pg. L/5-3

Approved By : LCT Date : 14/9/10

Section E : Action

Action By : NA Lim

Targeted Completion : End Sept 2010

Actual Completion : 14 Sept 2010 Verified By :

** Mark [X] where appropriate*

Distribution:

Select one of the following headings

LIFT & ESCALATOR INSTALLATION

LIFT INSTALLATION

ESCALATOR INSTALLATION

SECTION 5 - HALLWAY FIXTURES

5.1 General

The hallway equipment shall include hall entrances, hall buttons, car position indicators, directional hall lanterns etc.

5.2 Door Frames and Doors

5.2.1 Construction

Hallway door frames shall be of bolted construction of a unit assembly comprising head and jamb sections made of steel of at least 2.0mm thickness (14 SWG). The frames shall be provided with adjustable wall anchors to permit bonding of these anchors into the walls after the frames are in place. All frames shall be securely fastened to sills and hanger supports, and shall be returned on the hoistway side to present a neat appearance.

The finishes of the door frames, jambs, transom panels and doors of the various lifts at the lift lobbies are specified in the Schedule of this Specification.

All hall doors shall be acoustically treated and together with the frames shall be of one hour fire rating to the authorities approval. Each door shall bear a PSB's test label to certify the fire rating.

Not required for dumbwaiters

5.2.2 Floor Numbering

Both edges of every landing door at every floor landing shall be provided with floor numberings of 75mm high.

5.3 Supports and Covers

Hanger supports shall be of sufficiently thick formed sections securely bolted to the steel strut angles, complete with integral hanger tracks.

Structural steel strut angles shall be formed of sufficient size to support the entrance and to accommodate the door closing equipment. The angles shall be continuous and securely bolted to the sills and the building structure. Where the hoistways are of dry wall construction, all necessary additional struts, beams, bracketing, etc. for receiving all the lift door hanger supports at all lift landings connected to the building structure shall be included in the Works.

Hangers cover plates shall be made of best grade steel, removable and so arranged to assure hanger accessibility from within the lift car for maintenance purposes.

5.4 Door Sills and Supports

All door sills shall be of extruded aluminium alloy section with a non-slip wearing surface.

Include the following sentence if goods lifts are called for in this contract

For good lifts, the sills shall be of chequered steel plate with enamel finish.

The following paragraph is standard

5.4.1 Construction

Grooves for the guides shall be machine planned with minimum clearance for the guides. The sills shall be supported on special steel anchor plates securely fastened to the landing door sills supports. All the necessary steel supports, angle irons, shim plates, etc for installation and securing all the door sills to the building structure shall be included in the Works.

5.5 Hall Call Buttons

Hall call buttons, shall be the electronic call registered micro-movement type, flush mounted onto a hairline stainless steel faceplate. The buttons shall be of circular or square shape and shall illuminate when a call is registered. When a car arrives and cancels the call, illumination shall cease. If a non-stopping car passes through any indicated floor, however, the button shall remain illuminated. The details and finishes of the hall call button station shall be in accordance to the requirements of the Architect.

The following indications are required for each Lift:

(a) On Lowest Terminal Floor (or Floors for Double Deck Lifts)

An 'Up' button at each entrance.

(b) On All Intermediate Floors

'Up' and 'Down' hall call functions shall be provided for the hall call stations at all the intermediate floors.

(c) On Top Terminal Floor

A 'Down' button at each entrance.

Include the following paragraph only where there are transfer floors.

(d) For Transfer Floors (If applicable)

For transfer floors, only 'Up' hall call buttons shall be provided for the high rise lifts and only 'Down' hall call buttons shall be provided for the low rise lifts.

5.6 Hall Car Position Indicators & Directional Lanterns

Combined hall car position indicators and directional lanterns shall be provided at those lift landings called for in the Schedule of this Specification.

Include the following clause only where applicable

Hall directional lanterns only, shall be provided for all other lift landings.

The combined hall car position indicator and directional lanterns shall be the horizontal type each comprising a hairline stainless steel faceplate, an 'Up' arrow and/or a 'Down' arrow and an alpha-numeric digital read-out display. The display shall be similar to that specified for the car position indicator. When a car has reached a predetermined distance from a particular floor, the directional lantern indicating the direction of travel of the lift car shall illuminate.

Should a car over travel a short distance, the hall lantern for that floor shall remain illuminated to indicate the car's original direction of travel.

Include the following paragraph only where there are double deck lifts.

For the double deck lifts, the combined hall car position indicators and directional lanterns at the main lift lobbies for each car shall each incorporate a digital display reading 'Odd Storeys Only' or 'Even Storeys Only' as appropriate. The display should be illuminated and flashed when the cars of any lift reach the main lift lobbies, ready to pick up passengers.

Digital floor service indicator for the various lifts shall also be provided as stipulated in the Schedule of this Specification to indicate the floors served by the cars concerned. The floor service indicators shall be integrated with the respective hall car position indicators. When the transfer floor operations is completed or when any of the lifts is taken out of service, the floor service indicator concerned shall indicate a 'No Service' digital display.

Include the following clause where applicable

5.6.1 Directional Lanterns

Hall directional lanterns shall be of similar construction and finishes as the combined unit with 'UP' arrow at the lowest terminal floor, a 'DOWN' arrow at the top most floor and the 'UP' and 'DOWN' arrows at all intermediate floors.

5.6.2 Arrival Chime

An arrival chime which gives a distinctive audible sound upon arrival of the car shall be provided on the lift car top and bottom of each car to be incorporated into the directional hall lantern or the combined unit of the floor concerned.

5.7 Out of Service Indicator

An out of service indicator in the form of a message shall be displayed by the hall indicator at each landing of every lift to indicate that the lift is out of normal service.

5.8 Fire Lift Switch

A Fire Lift Switch shall be provided for each Fire Lift to be located as shown on the Specification Drawings. Each Fire Lift Switch shall be of the proprietary made comprising a tumbler switch clearly marked 'ON' and 'OFF', enclosed in a glass-fronted spray painted metal box of adequate size and elegant design and clearly marked 'FIRE LIFT SWITCH'.

Include the following clause for dumbwaiters.

5.9 Hall Equipment for Dumbwaiters

A hall car operating panel shall be provided at each landing for each dumbwaiter. Each panel shall comprise a hairline stainless steel finished faceplate to the Architect's requirements and complete with the following features:

(a) A call button

(b) Despatch buttons

(c) A 'Stop' button for stopping the dumbwaiter in case of an emergency

(d) A 'arrival' light indicator

(e) A signal buzzer

(f) A 'In Use' light indicator

(g) A 'telephone type' intercom unit with push buttons for communication between any two landings of the dumbwaiter.