Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 144 - 040910 (S)

To: LCT From: LFY

Job No./Project: LIFT MASTER SPECS *(where applicable)*
Section 4 - Car Enclosures & Fixtures

Source of feedback:

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

Section A : Problem & Cause

Some manufacturers supply LCD indicators in red, our specs only green. Specify "Schedule" only - incomplete, height of highest button 1500mm - incorrect, does not comply with Code on barrier free accessibility.

Section B : Mitigating Action Taken, if any

Section C : Suggested Corrective Action

Amend & include red indicators, "Schedule of Technical particulars" and 1200mm for height of highest button.

Section D : Approved Corrective Action

Document Affected * : ☑ Yes ☐ No Affected Document : L/4-3, L/4-4 & L/4-7 Pgs.

Approved By : LCT Date : 14/9/10

Section E : Action

Action By : NA hm

Targeted Completion : End Sept 2010

Actual Completion : 14 Sept 2010 Verified By :

** Mark [X] where appropriate*

Distribution:

The ventilation fans in accordance with the Code requirements, shall be fed by emergency power supplies.

Not required for dumbwaiters

4.13 Car Position Indicator

4.13.1 General

Digital car position indicator shall be provided flush with the car operating panel inside every lift car.

Include the following sentence for double deck lifts.

Double Deck Lifts

For the double deck lifts, one car position indicator shall be provided for each of the upper and lower cars.

4.13.2 Type

The car position display shall be the digital read-out, alpha-numeric type comprising two 16-segments characters in green or red and of not less than 50mm in height with over 160 degree angle of view for continuous floor location reading. Flashing indicators shall be provided when the lifts pass through blind hoistways.

4.13.3 Stainless Steel Faceplate

Each car position indicator shall be flush mounted on a hairline stainless steel faceplate to the Architect's requirements.

Following clause not required for dumbwaiters.
06/04/10

4.14 Notices

A 'No Smoking' notice with an appropriate logo shall be provided for each lift car.

The sign shall be reversed silk screened on an acrylic panel or engraved on a stainless steel panel as required by the Architect.

Include this clause for Goods Lifts.
30/11/95

4.15 Sign for Goods Lifts

The following notice shall be prominently displayed in each of the goods lifts.

'FOR FREIGHT ONLY, PASSENGERS NOT ALLOWED'

4.16 Capacity Plates

The contract load of each lift in kilograms and in number of persons, where appropriate, shall be engraved onto each of the car operating panels, the sizes and design of the letterings shall be subjected to review by the Architect.

4.17 Doors

4.17.1 Construction

All doors shall be constructed of at least 1.6mm (16 SWG) steel with welded joints, of flush construction and shall be filled with suitable materials to achieve the required acoustic and fire ratings. The doors shall be reinforced and provided with emergency keyways for manual opening of the landing doors from the lift hallways for rescue and maintenance purposes. Every landing door shall be provided with an electro-mechanical door interlock which will prevent the lift from being started or kept in motion unless all landing doors are closed, and the interlock contacts made.

All lift doors shall bear the PSB test label to certify the fire rating.

Include this paragraph for Double Deck Lifts.

Double Deck Lifts

For double deck lifts, both the upper and lower doors shall be interlocked with the lift operation such that the lift can only be started up or kept in operation when both doors are fully closed.

4.17.2 Type

Doors shall be of two-panel automatic centre opening type, four-panel automatic centre opening type, etc. as specified in the Schedule of Technical Requirements of this Specification. The door opening widths as shown on the Specification Drawings are clear widths.

4.17.3 Finishes

The finishes for the car doors shall be as specified in the Schedule of Technical Requirements of this Specification.

4.18 Door Hangers and Tracks

Both car and landing doors shall be fitted with sheave type door hangers. The sheave wheels shall be tyre with a noise reducing material and shall rotate on a grease packed precision ball bearing. The upthrust of the door shall be taken by a roller mounted underside of the hanger track.

The roller of each door shall be mounted on an eccentric stud to provide for adjustment. The hanger tracks shall be of either formed cold rolled steel or cold drawn steel of heavy section with surfaces shaped to conform to the tread of the hanger sheaves and rollers. Suitable means shall be used to transmit motion from one door panel to the other.

Not required for dumbwaiters.

4.19 Manual Opening

4.19.1 General

The car door and the associated power operated landing door shall be able to open manually from within the car concerned in the event that the lift stops within the landing zone and the power supply to the door operators is cut off. Emergency devices and keys for opening the doors from the landings shall be provided for all lifts. Two (2) sets of the devices/keys shall be provided for each lift.

Include the following paragraph for double deck lifts.

Double Deck Lifts

(s) A switch to effect automatic operation with attendant for single deck lifts.

(t) A switch to effect single car independent operation whereby any of the lifts (except for single car operation) can be removed from the group operation system and operate independently.

(u) A switch to effect slow-speed or hand operation for service and maintenance purpose whereby the lift can be made to travel at the standard reduced servicing speed of approximately 15 mpm.

(v) A switch to effect slow-speed or hand operation for service and maintenance purpose whereby the lift can be made to travel at the standard reduced servicing speed of approximately 15 mpm. For double deck lifts, the switches at both the upper and lower cars of each lift shall be interlocked such that when the one of the switch is activated, the operation of the other switch shall not cause the lift to return to full speed operation.

(w) A suitable glass fronted frame to display the 'Certificate of Maintenance of Lifts' to be issued by the Buildings Management Unit. The details of this frame shall be subjected to review by the Architect.

(x) The Intercom facilities as described elsewhere in this Specification.

Items (l) to (u) inclusive shall be located in a recessed cabinet with a hinged cover, which shall form part of and be integral with the car operating panel. The cover of this recessed cabinet shall be stainless steel with hairline finish similar to the faceplate of the car operating panel, and shall be provided with suitable lock. All the buttons and switches shall be suitably labelled.

Where two nos. car operating panels are called for in the Schedule of this Specification, one of them shall be the main car operating panel while the other shall be the auxiliary car operating panel which shall incorporate only items (i) to (ix) inclusive above.

Where car operating panels for use by the wheelchair bound are called for in the Schedule of this Specification, each panel shall incorporate items (i) to (ix) inclusive above. The panel shall be mounted at the side wall of the lift car floor level and the highest control button shall not be more than 1200mm from the finished car floor level.

4.23 Maintenance Panels

A top-of-car panel shall be provided and shall comprise amongst other items, a stop switch, car roof light switch, a door controller switch and a maintenance Fully Automatic/Service Speed selection switch.

The Fully Automatic Service speed selection switch when activated shall cause the car to operate at a speed not exceeding 45 mpm. Also when the Fully Automatic/Service Speed selection switch is activated the lift cannot be switched to full speed operation accidentally by someone in the lift car.

The stop switch when activated shall prevent the lift from being operated.

The door controller switch shall prevent the door from being operated during testing and adjustment.

Include the following sentence for double deck lift.