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4 September 1997

All Registered Lift & Escalator Contractors  
All Registered Lift & Escalator Engineers

Dear Sirs,

**Circular No. 12/97**  
**Code of Practice on the Design and Construction**  
**of Lifts and Escalators (1993 Edition)**  
**Amendment No. 5**

Pursuant to section 27G of the Lifts & Escalators (Safety) Ordinance, Cap. 327, the Code of Practice on the Design and Construction of Lifts & Escalators (1993 Edition)(the Code) has been amended -

- (a) by incorporating the requirements for lifts provided for persons with a disability in sections 5.7.1(b), (f) & (g) of the "Design Manual: Barrier Free Access 1977"; and
- (b) by adding new requirements on emergency communication facilities for all lifts.

The above changes to the Code have been included in the Amendment No. 5 of the Code which is attached for your retention.

The requirements in the Amendment No. 5 of the Code shall come into operation on 20 September 1997 (i.e. the same day that the Building (Planning)(Amendment) Regulation 1997 shall become effective), and shall be applicable to lifts in buildings with plans approved thereafter.

Yours faithfully,

(LAW Yu-wing)  
for Director of Electrical & Mechanical Services

c.c. AD/BS  
Director of Housing (Attn.: TS/1)  
SPEL (ref.: PELB(L)68/89/16(97)XI)

LYW/GMWC/WLC/wwt

**Code of Practice on the Design and  
Construction of Lifts and Escalators (1993 Edition)**

**Amendment No. 5**

| <u>Item</u> | <u>Clause</u>   | <u>Description</u>   |
|-------------|---|--|
| 1           | Section A<br>Clause 8                                 | Delete the sub-paragraph (e) and substitute the following:-<br><br>"(e) The design and construction of any lift for persons with a disability (whether provided in accordance with regulation 72 of the Building (Planning) Regulations (Chapter 123) or not) shall also comply with the requirements provided for in item 14 in Part I of the Third Schedule to the Building (Planning) Regulations, in addition to those specified in Parts 1 and 2 of Section E of the Code." |
| 2           | Section E<br>Part 1<br>"Contents"                     | (i) Add "3.5.2.3 Door Re-opening Device for Lift for Persons with a Disability" after "3.5.2.2 Door Re-opening Device"<br><br>(ii) Add "4.6.2.3 Door Re-opening Device for Lift for Persons with a Disability" after "4.6.2.2 Door Re-opening Device"<br><br>(iii) Delete "10.3.3 Emergency Alarm Device" and substitute the following:-<br><br>"10.3.3 Emergency Alarm Device<br>10.3.3.1 General Provisions<br>10.3.3.2 For Lift provided for Persons with a Disability"       |
| 3           | Section E<br>Part 1<br>Clause 3.5.2<br>(Landing door) | Add Clause 3.5.2.3 as following:-<br><br>"3.5.2.3 Door Re-opening Device for Lift for Persons with a Disability<br><br>For a lift for persons with a disability, a sensitivity protective device shall be provided to  |

automatically initiate re-opening of the door in the event of a person being struck or about to be struck by the door in crossing the entrance during the closing movement.

- (a) A detection equipment of the protective device shall be positioned at a height of not less than 500mm and not more than 600mm above the landing sill, to initiate re-opening of the door in the event of a person who is about to be struck.
- (b) This protective device may be that of the car door (see Clause 4.6.2.3 - Door Re-opening Device for Lift for Persons with a Disability).
- (c) The effect of the device may be neutralized during the last 50mm of travel of each door panel.
- (d) Door forced-closing system as described in Clause 3.5.2.2(c) shall not be provided.
- (e) A single beam light ray (or similar device) alone is considered insufficient."

4 Section E  
Part 1  
Clause 4.6.2  
(Car door)

Add Clause 4.6.2.3 as following:-

"4.6.2.3 Door Re-opening Device for Lift for Persons with a Disability

For a lift for persons with a disability, a sensitivity protective device shall be provided to automatically initiate re-opening of the door in the event of a person being struck or about to be struck by the door in crossing the entrance during the closing movement.

- (a) A detection equipment of the protective device shall be positioned at a height of not less than 500mm and not more than 600mm above the floor of the car, to initiate re-opening of the door in the event of a person who is about to be struck.
- (b) The effect of the device may be neutralized during the last 50mm of travel of each door panel.

- (c) Door forced-closing system as described in Clause 4.6.2.2(b) shall not be provided.
- (d) A single beam light ray (or similar device) alone is considered insufficient.

In addition, a door re-open button shall be provided on the car operating panel, which, upon activation, shall initiate re-opening of the door."

5 Section E  
Part 1  
Clause 10.3

Delete the Clause 10.3.3 and substitute the following:-

"10.3.3 **Emergency Alarm Device**

10.3.3.1 General Provisions

An emergency alarm push button together with a buzzer (or an alarm bell), an intercom and a closed circuit television (CCTV) camera shall be provided in the lift car and be connected to the building management office or the caretaker's office, and the machine room. The building management office or the caretaker's office, and the machine room shall each be equipped with a buzzer (or an alarm bell), indication light(s)(one for each lift), an intercom and a CCTV monitor connected to the lift car(s). An alarm bell connected to the alarm push button in the lift car shall also be provided at the main entrance lift lobby or lift pit.

- (a) If the intercom or the CCTV monitor in the building management office, the caretaker's office or the machine room serves more than one lift or other location, a selection switch (or similar device) shall be provided.
- (b) Appropriate notices (in English and Chinese) shall be displayed next to all the equipment provided under this

Clause 10.3.3, indicating the function and/or operation of them.

- (c) All the equipment, except CCTV, under this Clause 10.3.3 shall be backed up by the emergency supply called for in Clause 4.16.3 or by an equivalent supply.
- (d) The buzzers (or alarm bells) shall ring and the indication lights shall be lit if the alarm push button is pressed. The indication lights shall remain on until they are manually reset by activation of a reset switch inside the building management office or the caretaker's office upon releasing of trapped passengers. The hook switch of an intercom handset shall not be used as the indication lights reset switch.
- (e) The sound generated by the buzzers (or alarm bells) shall be distinguishable from that of fire alarms.
- (f) If there is no building management office or caretaker's office in the building, the indication light(s), reset switch, intercom and CCTV monitor shall be placed at the main entrance lift lobby. The buzzer (or alarm bell) shall be placed immediately outside the main entrance of the building at the street.

#### 10.3.3.2 For Lift provided for Persons with a Disability

For a lift provided for persons with a disability, in addition to the equipment under Clause 10.3.3.1, an indication light for acknowledgement shall be provided in the lift car. The indication light for acknowledgement shall be in the form of a blinking light adjacent to the intercom speaker and a notice "When light blinks, please speak or press alarm button again"

(in English and Chinese) shall be provided next to the blinking light.

The indication light for acknowledgement shall blink after the manual activation of an acknowledgement switch located in the building management office or the caretaker's office, or if there is no such office, at the main entrance lift lobby. The blinking shall continue until the acknowledgement switch is reset."