
Draft Jamaican Standard

Guide

for

Lifts for the transportation of persons and goods – Part 32:

**Planning and selection of passenger lifts to be installed in
office, hotel and residential buildings**



BUREAU OF STANDARDS JAMAICA

**NON-OBJECTION PERIOD:
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Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

The attention of those using this specification is called to the necessity of complying with any relevant legislation.

Amendments

No.	Date of Issue	Remarks	Entered by and date

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National foreword

This standard is an adoption and is identical to ISO 8100 – 32 International Standard Guide for Lifts for the transportation of persons and goods – Part 32: Planning and selection of passenger lifts to be installed in office, hotel and residential buildings published by the International Organization for Standardization (ISO).

Scope of the standard

This document covers traffic planning and selection of new passenger lift installations in office, hotel and residential buildings. The requirements and recommendations given are applicable to both simple and complex lift installations.

This document gives guidance to select the most appropriate method of traffic planning for each case within the scope.

This document permits the number and configuration of lifts and their main characteristics to be determined at the early stages of building design, provided that the size and intended use of the building is known.

This document is applicable to lifts classified according to [Table 1](#).

Table 1 — Classification of lifts according to ISO 8100-30

Class	Purpose
Class I	Lifts designed for the transport of persons
Class II	Lifts designed mainly for the transport of persons but in which goods can be carried
Class VI	Lifts designed to suit buildings with intensive traffic, i.e. lifts with speeds of 2,5 m/s and above

This document is applicable to mixed use buildings provided that the mixed use can be evaluated separately as either office, residential or hotel use. This document proposes a standardized method of lift traffic planning. Alternative methods can be valid but are not in the scope of this document.

This document gives basic requirements and recommendations as part of the planning and selection of lift(s) relating to:

- a) the design criteria to be evaluated;
- b) the values of design criteria to be used;
- c) a calculation method (see Clause 7) to be used as part of simple planning and selection of lifts (5.3);
- d) a simulation method (see Clause 8) to be used as part of simple and more complex planning and selection of lifts (5.3);
- e) output report format of lift planning and selection analysis to be provided to interested parties;
- f) consideration of existing safety standards and cultural norms for determining the number of persons that can fit into a specific size of car²);
- g) accommodation for luggage, bicycles, prams, etc., or other non-personal items that can be transported with passengers in the lifts;
- h) accessibility for persons with disabilities.

This document does not address:

- i) the transportation of goods only;
- j) the transportation of passengers using multiple cars sharing a single hoist way;
- k) the transportation of passengers using double deck systems;
- l) terminal to terminal travel in excess of 200 m and/or rated speed above 7 m/s;
- m) variations to the calculation method (e.g. traffic conditions other than uppeak, door dwell time definitions, unequal floor heights, unequal floor populations, speed not being reached in one floor jump, etc.);
- n) variations to the simulation method (e.g. passenger batches or traffic templates with variable passenger demand);
- o) design of simulator models or traffic control systems;
- p) advanced passenger features (e.g. walking speed);
- q) performance verifications of the design after installation.

In this standard, the use of the words “shall” or “must” indicates a mandatory requirement. The word “should” indicates a recommendation.

Where the words 'International Standard' appear, referring to this standard, they should be read as 'Jamaican Standard'.

Where reference is made to informative and normative annexes the following definitions should be noted:

- Informative Annex – gives additional information intended to assist in the understanding or use of the document. They do not contain requirements.
- Normative Annex – gives provisions additional to those in the body of a document. They contain requirements.

Users should note that all standards undergo revision from time to time and that any reference made herein to any standard implies its latest edition, unless otherwise stated.

This standard is voluntary.

Acknowledgment

Acknowledgement is made to ISO for permission to adopt ISO 8100-32: 2020.