

**FACTORIES, MACHINERY AND BUILDING WORKS ACT  
ACT 22 OF 1941**

The following government notices were issued between 1973 and 1994

<b>GOVERNMENT NOTICE R.109 OF 1973</b>		
Noitce	Regulation	Substitutions or additions
<b>C.119</b>		
<b>Authorized load</b>		
s.67	C.119(2)	The maximum load and persons per car floor area table - 70Kg per person was used.
<b>C138</b>		
<b>Car door</b>		
s.78	C.138(4)	Car doors shall be at least 2 000mm high and lattice type gates shall have midbars and the vertical distance between pickets and midbars shall no exceed 50mm.

<b>GOVERNMENT NOTICE R.2262 OF 4.11.77</b>		
<b>C.113</b>		
<b>Permission to erect and use elevators</b>		
s.2	C.113	No person shall erect an elevator without prior written permission from the inspector
<b>C.114</b>		
<b>Application for certificate</b>		
s.3	C.114(2)(a)	With the application to erect shall be: Drawings of the machine room and Hatchway
s.3	C.114(2)(b)	With the application to erect shall be: Drawings of the installation in plan.
s.3	C.114(2)(c)	With the application to erect shall be: Details of the number and size of the ropes.(F23)
<b>C.115</b>		
<b>Issue of certificate</b>		
s.4	C.115(3)	With the change of owner, the certificate lapse and it shall be returned to the inspector & the new user shall apply for permission to use. See C116(4)
s.4	C.115(5)	The certificate shall be displayed in a conspicuous place & in a glazed frame in the machine room.
<b>C.116</b>		
<b>Elevator inspection register and record book</b>		
s.5(a-b)	C.116(2)	The register shall be kept in a safe place in the motor room.
s.5(a-b)	C.116(4)	The register shall be returned to the inspector when there is a change in user.
s.5(a-b)	C.116(5)	The user shall keep in respect of each elevator a record book in which is entered.
s.5(a-b)	C.116(5)(a)	The name of the competent person or firm employing the competent person.
s.5(a-b)	C.116(5)(b)	The full name of the operator if it is a non-automatic lift.
s.5(a-b)	C.116(5)(c)	The particulars of the ropes as set out in Annexure F23.
s.5(a-b)	C.116(5)(d)	The date on which the ropes were put on.
s.5(a-b)	C.116(5)(e)	A true report of the examinations, repairs and rope inspections.
<b>C.117</b>		
<b>Particulars of elevators</b>		
s.6	C.117(1)	The elevator shall be marked in a conspicuous place in the car with:
s.6	C.117(1)(a)	Short title of the Act and Regulations.
s.6	C.117(1)(b)	The name of the maker.
s.6	C.117(1)(c)	The official number.
s.6	C.117(1)(d)	The maximum authorized mass-load.
s.6	C.117(1)(e)	The maximum authorized number of persons to travel simultaneously.
s.6	C.117(4)	An up-to-date legible schematic wiring diagram shall be kept in the motor room.
<b>C.118</b>		
<b>Inspection of elevators</b>		
s.7(a)	C.118 (1)(a)	The user shall depute a competent person or firm to examine the elevator plant and all fittings once a month.
s.7(b)	C.118(1)(f)	The user shall furnish the inspector with the name of the person or firm deputed.
s.7(c)	C.118(2)(a)	An inspector may conduct an inspection of an elevator at any time.
s.7(c)	C.118(2)(b)	The user shall ensure that the elevator is thoroughly cleaned for the inspection.

<b>C.119</b>		<b>Authorized load</b>
s.8(b)	C.119(5)	75Kg per person is introduced for the calculation of the elevator car floor area.
s.8(b)	C.119(6)	When the rated load of the car exceeds the rated load corresponding to the car floor area, the number of persons shall be determined by the rated load, but shall not exceed 115% of the persons permitted for the car floor area.
<b>C.120</b>		<b>Returns</b>
s.9(a-b)	C.120(2)	When a user transfers the use of an elevator to a new user he shall advise the inspector in writing of the name and address of the new user.
s.9(a-b)	C.120(4)	No modifications to an elevator shall be without the approval of an inspector.
<b>C.123(1)</b>		<b>Fees</b>
s.11(a)	C.123(1)	Change in the fee structure for certificates.
<b>C.124</b>		<b>Enclosures</b>
s.12	C.124(2)	Where the distance between landings exceeds 11m, hatchway access shall be provided.
s.12	C.124(3)	Sub regulation (2) shall only apply after 1 January 1978.
<b>C.125</b>		<b>Doors</b>
s.13	C.125(3)	Where it become necessary to replace landing gates installed prior to these regulations, they shall where be replaced with doors or shutter gates as near as practicable, flush with the inside of the hatchway. An inspector may approve lattice type gates.
<b>C.127(3)</b>		<b>Protrusions in the hatchway</b>
s.14	C.127(3)	No pipes, channels or anything which do not form part of the elevator shall be installed in the hatchway.
<b>C.128</b>		<b>Guide rails</b>
s.15(a)	C.128(3)	The clearance between the guide rails and the pit steels shall not be more than 3mm.
s.15(b)	C.128(8)	Wooden and cast iron guide rails are not permitted.
s.15(b)	C.128(9)	Hollow or folded guides can be used on counterweights if there is no safeties, the speed is less than 1,8m/s and the contract load is less than 2 500Kg.
s.15(b)	C.128(10)	There must be a counterweight screen in the pit from 300mm above the pit floor to a height of 2 100mm above the pit floor, accept when there are compensation.
s.15(b)	C.128(11)	Sub regulations (5), (6) and (7) is only applicable after 1 January 1978
<b>C.130</b>		<b>Buffers</b>
s.16(a-b)	C.130(1)	Elevators up to 1,8 m/s can be provided with energy accumulation buffers, but for speeds above 1,8m/s, energy dissipation buffers shall be used. Car And counterweight.
s.16(a-b)	C.130(3)	Buffers shall gradually absorb the energy of a fully loaded car within a distance of not less than 134V squared. An inspector may approve reduced stroke buffering.
s.16(a-b)	C.130(4)	Sub regulations (3) shall only apply to elevators installed after 1 January 1978.
<b>C.132</b>		<b>Hatchway separation</b>
s.18	C.132	Where two or more elevators operate in one hatchway, they shall be separated in the pit or at any working platform with a wall or bratticing for up to a height of 2 100mm.
<b>C.133</b>		<b>Hatchway clearances</b>
s.19	C.133(6)	When the car rest on its fully compressed buffers there shall be a minimum clearance of:
s.19	C.133(6)(a)	600mm between the bottom of the hatchway and the underside of the car.
s.19	C.133(6)(b)	300mm between the bottom of the hatchway and the lowest part under the car.
s.19	C.133(6)(c)	100mm between the bottom of the hatchway and the lowest part of the guise shoes, safeties or the apron.
s.19	C.133(7)	When the cwt rest on its fully compressed buffers the car guide rails shall allow a further travel of 35V squared mm and there shall be a minimum clearance of:
s.19	C.133(7)(a)	1 000mm above the car roof.

s.19	C.133(7)(b)	300mm between the lowest point or projections of the hatchway roof and car roof.
s.19	C.133(7)(c)	100mm between the lowest point or projections of the hatchway highest point or projection of the guide shoes or vertically sliding doors.
s.19	C.133(8)	When the car rest on its fully compressed buffers the counterweight guide rails shall allow a further travel of 35V squared mm.
s.19	C.133(9)	Sub regulations (6), (7) and (8) shall only apply after 1 January 1978.
<b>C.135</b>		<b>Hatchway illumination</b>
s.21	C.135(2)	A working platform at the top of the hatchway shall have a light and switch.
s.21	C.135(3)	Sub regulation (2) shall only apply after 1 January 1978.
<b>C.136</b>		<b>Construction of counterweights</b>
s.22	C.136(3)	If there is a space under the hatchway, the area shall be enclosed or safeties shall be fitted to the counterweight.
s.22	C.136(4)	Sub regulation (2) shall only apply after 1 January 1978.
<b>C.137</b>		<b>Construction of the car</b>
s.23	C.137(2)	Cars with solid doors shall be ventilated with apertures in the lower and upper part of the car. Apertures total area shall be not less than 1% of the car floor area. Each aperture size shall not exceed 10mm.
s.23	C.137(3)	Sub regulation (2) shall only apply after 1 January 1978.
<b>C.140</b>		<b>Alarm and lighting</b>
s.25(a)	C.140(1)	Elevator cars shall be provided with:
s.25(a)	C.140(1)(a)	A button shall be placed in a conspicuous inside the car to sound the alarm.
s.25(a)	C.140(1)(b)	An inspection stop switch shall be installed near the centre on top of the car.
s.25(a)	C.140(1)(c)	The electric light inside the car shall be kept alight at all times.
s.25(a)	C.140(1)(d)	A two pole and earthing pin socket outlet shall be installed at the car top and bottom.
s.25(b)	C.140(3)	The electric light and alarm shall not be connected to a supply of the lift machinery. When the elevator is not supplied by an emergency generator, the car light and alarm shall be fed from an emergency supply.
s.25(b)	C.140(4)	Sub regulation (3) shall only apply after 1 January 1978.
<b>C.146</b>		<b>Connections</b>
s.27	C.146(2)	Where ropes are attached to the structure, the attaching device shall be of adequate strength.
s.27	C.146(3)	Rope sockets shall be renewed every 10 years, accept where the rope life exceeds 10 years.
<b>C.149</b>		<b>Carrying beams and power of machinery</b>
s.28	C.148(1)	Overhead driving machinery shall be carried on supporting structures of adequate strength and resting on walls that have sufficient strength for the load.
<b>C.150(3)</b>		<b>Speed governors</b>
s.29	C.150(3)	Speed governors shall be set to trip at least on 115% and not more than 140%. Counterweight governors shall trip at 10% more than the car governor.
s.29	C.150(4)	Without effective speed governing, reliable speed safety devices must be provided.
<b>C153</b>		<b>Electrical installation</b>
s.30(a)	C.153(1)	The wiring, except trailing cables, shall be in wire ways. Protected cables may be used.
s.30(b)	C.153(5)	Electrical installations in explosive areas shall be done according to Regulation C.58
<b>C.154</b>		<b>Motor rooms</b>
s.31(a)	C.154(2)	In no case shall the free height of the motor room be less than 2 000mm.
s.31(a)	C.154(3)	Equipment that does not form part of the elevator shall not be in the motor room.
s.30(c)	c.154(14)	Motor rooms shall be of ample size. There shall be 500mm x 700mm at control cabinets and 500mm x 600mm to inspect and service moving parts.
s.30(c)	c.154(15)	Safe access to the motor room shall be provided. Stairways not less than 900mm wide. Metal ladders can be used up to 2 500mm.

s.30(c)	c.154(16)	There shall be two artificial lights in the motor room of 320 lux. Motor room lights shall be connected to a supply other than that for the machinery.
s.30(c)	c.154(17)	Motor rooms shall be ventilated and temperature to remain under 40 degrees Celsius.
s.30(c)	c.154(18)	Provision shall be made for the safekeeping of diagrams, record books and certificates.
s.30(c)	c.154(19)	Sub regulation (14), (15), (16), (17) and (18) shall only apply after 1 January 1978.
<b>C.156</b>		<b>Goods elevators</b>
s.34(a-b)	C.156(3)	A load plate must be affixed in the car same as C.117
s.34(a-b)	C.156(4)	No persons other than attendants shall ride in a goods elevator.
<b>C.156A</b>		<b>Approaches to elevators</b>
s.35	C.156A(1)	All elevator landings and stair approaches to elevators shall be well lighted at all times.
s.35	C.156A(2)	Indication must be provided to show that the elevator is on that floor.
s.35	C.156A(3)	Sub regulation (2) shall only apply after 1 January 1978.

<b>GOVERNMENT NOTICE R.1277 OF 08.05.92</b>		
<b>C123</b>		<b>Inspection fees</b>
s.3	c.123(1)	The fees for inspections were adjusted.

<b>GOVERNMENT NOTICE R.1610 OF 11 December 1998</b>		
		<b>Withdrawal of exemptions</b>
		Notice of withdrawal of all exemptions issued under: section 54 of Act no. 22 of 1941 as well as section 32 of Act no. 6 of 1983

<b>GOVERNMENT INSTRUCTION OS/BV 0042</b>		
		<b>Rope inspection and replacement</b>
		Elevator ropes : Inspection and replacement (9 December 1977)