

1975/209



THE CONSTRUCTION REGULATIONS 1961, AMENDMENT
NO. 8

DENIS BLUNDELL, Governor-General

ORDER IN COUNCIL

At the Government House at Wellington this 11th day of August 1975

Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to the Construction Act 1959, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following regulations.

REGULATIONS

1. Title and commencement—(1) These regulations may be cited as the Construction Regulations 1961, Amendment No. 8, and shall be read together with and deemed part of the Construction Regulations 1961* (hereinafter referred to as the principal regulations).

(2) These regulations shall come into force on the day after the date of their notification in the *Gazette*.

2. Metric conversions—(1) The principal regulations are hereby amended in the manner indicated in the First Schedule to these regulations.

(2) The First Schedule to the principal regulations is hereby amended by revoking Part II, and substituting the new Part II set out in the Second Schedule to these regulations.

3. Consequential revocations—The following regulations are hereby revoked:

- (a) Regulations 5 and 6 of, and the Second Schedule to, the Construction Regulations 1961, Amendment No. 3;
- (b) Regulation 2 of the Construction Regulations 1961, Amendment No. 5.

*Reprinted with Amendments Nos. 1 to 3: S.R. 1968/67
Amendment No. 4: S.R. 1969/45
Amendment No. 5: S.R. 1970/31
Amendment No. 6: S.R. 1971/187
Amendment No. 7: S.R. 1974/215

SCHEDULES

Reg. 2 (1)

FIRST SCHEDULE

METRIC CONVERSIONS

Regulation Amended	Amendment
Regulation 5 (a) ..	By omitting the expression "15 ft" in both places where it occurs, and substituting in each case the expression "5 m".
Regulation 5 (b) ..	By omitting the words "load of 10 cwt", and substituting the words "mass of 500 kg (4900N)". By omitting the expression "15 ft", and substituting the expression "5 m".
Regulation 5 (c) (as amended by regulation 2 of the Construction Regulations 1961, Amendment No. 5)	By omitting the expression "5 ft", and substituting the expression "1.5 m".
Regulation 5 (e) ..	By omitting the expression "15 ft", and substituting the expression "5 m". By omitting the words "6 in. horizontal to 1 ft vertical", and substituting the words "a ratio of 1 horizontal to 2 vertical".
Regulation 31 (3) (as added by regulation 4 (2) of the Construction Regulations 1961, Amendment No. 5)	By omitting the expression "10 ft", and substituting the expression "3 m".
Regulation 35	By omitting from the definition of the term "light-duty working platform" the expressions "5 ft", "350 lb", and "9 ft", and substituting respectively the expressions "1.5 m", "160 kg (1570N)", and "2.7 m". By omitting from the definition of the term "heavy-duty working platform" the expressions "5 ft", "350 lb", and "9 ft", and substituting respectively the terms "1.5 m", "160 kg (1570N)", and "2.7 m". By omitting from the said definition the words "80 lb for every foot", and substituting the words "120 kg (1180N) for every metre". By omitting from the definition of the term "special-duty working platform" the expression "5 ft", and substituting the expression "1.5 m".

FIRST SCHEDULE—*continued*METRIC CONVERSIONS—*continued*

Regulation Amended	Amendment
Regulation 41 (6) ..	By omitting the expression "110 ft", and substituting the expression "33 m".
Regulation 43 (1) ..	By omitting the expression "8 in.", and substituting the expression "200 mm".
Regulation 43 (2) ..	By omitting the expressions "3 in.", "12 in.", "2 in.", and "6 in.", and substituting respectively the expressions "80 mm", "300 mm", "50 mm", and "150 mm".
Regulation 43 (7) ..	By omitting the expressions "24 in.", "18 in.", and "9 in.", and substituting respectively the expressions "600 mm", "450 mm", and "225 mm".
Regulation 44 (1) ..	By omitting the expression "10 ft", and substituting the expression "3 m".
Regulation 44 (2) ..	By omitting the expressions "36 in.", "3 in.", "8 in.", and "8 in.", and substituting respectively the expressions "900 mm", "80 mm", "200 mm", and "200 mm".
Regulation 44 (3) ..	By omitting the expressions "150 lb" and "100 lb", and substituting respectively the expressions "70 kg (690N)" and "45 kg (440N)".
Regulation 44 (4) ..	By omitting the expression "10 ft", and substituting the expression "3 m".
Regulation 47	By omitting from the heading the expression "25 ft", and substituting the expression "8 m".
Regulation 47 (1) (as amended by regulation 11 (1) of the Construction Regulations 1961, Amendment No. 7)	By omitting the expression "25 ft" in both places where it occurs, and substituting in each case the expression "8 m".
Regulation 48 (1) ..	By omitting the expressions "350 lb" and "9 ft", and substituting respectively the expressions "160 kg (1570N)" and "2.7 m".
Regulation 48 (2) ..	By omitting the words "80 lb per foot", and substituting the words "120 kg (1180N) per metre". By omitting the expressions "350 lb" and "9 ft", and substituting respectively the expressions "160 kg (1570N)" and "2.7 m".
Regulation 53 (1) ..	By omitting the expression "6 ft", and substituting the expression "1.8 m".

FIRST SCHEDULE—*continued*METRIC CONVERSIONS—*continued*

Regulation Amended	Amendment
Regulation 53 (3) ..	By omitting the expressions "7 ft" and "10 ft", and substituting respectively the expressions "2.1 m" and "3 m".
Regulation 54 (2) ..	By omitting the expression "5 cwt", and substituting the expression "250 kg (2450N)".
Regulation 60 (a) ..	By omitting the expression "10 ft", and substituting the expression "3 m".
Regulation 60 (b) ..	By omitting the expressions "350 lb" and "9 in.", and substituting respectively the expressions "160 kg (1570N)" and "225 mm".
Regulation 61 (1) (a) ..	By omitting the expressions "10 ft" and "1½", and substituting respectively the expressions "3 m" and "1.5".
Regulation 61 (1) (b) ..	By omitting the expressions "10 ft" and "1½", and substituting respectively the expressions "3 m" and "1.5".
Regulation 62 (c) ..	By omitting the expression "1½", and substituting the expression "1.5".
Regulation 64 (b) (i) ..	By omitting the words "2¼ in. in circumference" and "4 in.", and substituting respectively the words "18 mm in diameter" and "100 mm".
Regulation 65 (a) (i) ..	By omitting the expression "250 lb", and substituting the expression "115 kg (1130N)".
Regulation 65 (a) (iii) ..	By omitting the expression "10 in.", and substituting the expression "250 mm".
Regulation 65 (a) (v) ..	By omitting the words "1½ in. in circumference", and substituting the words "12 mm in diameter".
Regulation 66 (a) ..	By omitting the expressions "18 in." and "350 lb", and substituting respectively the expressions "450 mm" and "160 k (1570N)". By omitting the words "2 in. per foot of platform width", and substituting the words "a ratio of 1 vertical to 6 horizontal".
Regulation 66 (b) ..	By omitting the expression "350 lb", and substituting the expression "160 kg (1570N)".
Regulation 66 (d) ..	By omitting the expression "750 lb", and substituting the expression "340 kg (3330N)".
Regulation 67 (d) ..	By omitting the expression "24 in.", and substituting the expression "600 mm".

FIRST SCHEDULE—*continued*
METRIC CONVERSIONS—*continued*

Regulation Amended	Amendment
Regulation 68 (a) ..	By omitting the expression “4½”, and substituting the expression “4.5”.
Regulation 71 ..	By omitting the expression “5 ft”, and substituting the expression “1.5 m”.
Regulation 73 (a) ..	By omitting the expression “2 ft”, and substituting the expression “600 mm”.
Regulation 78 ..	By omitting the expression “5 ft”, and substituting the expression “1.5 m”.
Regulation 78 (a) ..	By omitting the expressions “6 in. × 2 in.”, “4 ft”, and “8 ft”, and substituting respectively the expressions “150 mm × 50 mm”, “1.2 m”, and “2.4 m”.
Regulation 78 (b) ..	By omitting the expression “6 in. × 4 in.”, and substituting the expression “150 mm × 100 mm”.
Regulation 78 (c) ..	By revoking this paragraph, and substituting the following paragraph: “(c) Struts and jacks shall not be less in strength than the equivalent of 100 mm × 75 mm timber for a width of trench of not more than 900 m, of 125 mm × 100 mm for not more than 1.4 m, of 150 mm × 100 mm for not more than 1.8 m, and of 150 mm × 150 mm for not more than 2.4 m.”.
Regulation 106 (1) (a) (as added by regulation 7 of the Construction Regulations 1961, Amendment No. 6)	By omitting the expressions “24 ft” and “44 ft”, and substituting respectively the expressions “7.4 m” and “13.5 m”.
Regulation 106 (1) (b) (as so added)	By omitting the expressions “11½ in.”, “12 ft”, “½ in.”, “4 ft”, and “12 ft”, and substituting respectively the expressions “290 mm”, “3.7 m”, “10 mm”, “1 m”, and “3.7 m”.
Regulation 106 (1) (c) (as so added)	By omitting the expression “10 in.”, and substituting the expression “255 mm”.
Regulation 106 (1) (d) (as so added)	By omitting the expression “12 in.” in both places where it occurs, and substituting in each case the expression “305 mm”.
Regulation 107 (3) (d) (as so added)	By omitting the expression “10 ft”, and substituting the expression “3 m”.
Regulation 108 (1) (a) (as so added)	By omitting the expression “10 ft”, and substituting the expression “3 m”.

FIRST SCHEDULE—*continued*METRIC CONVERSIONS—*continued*

Regulation Amended	Amendment
Regulation 108 (1) (b) (as so added)	By omitting the expression "10½ in.," and substituting the expression "265 mm".
Regulation 108 (1) (c) (as so added)	By omitting the expressions "10½ in.," "1½ in.," and "foot", and substituting respectively the expressions "265 mm", "40 mm", and "300 mm".
Regulation 108 (1) (d) (as so added)	By omitting the expressions "8 in." and "10½ in.," and substituting in each case the expressions "200 mm" and "270 mm".
Regulation 110 (b) (as so added)	By omitting the expressions "7 in." and "2 ft × 2 ft", and substituting respectively the expressions "200 mm" and "600 mm × 600 mm".
Regulation 114 (1) (as added by regulation 8 (1) of the Construction Regulations 1961, Amendment No. 6)	By omitting the expression "3 in.," and substituting the expression "75 mm".
Regulation 114 (2) (as so added)	By omitting the expression "3 in.," and substituting the expression "75 mm".
Regulation 115 (3) (as so added)	By omitting the expression "3 in.," and substituting the expression "75 mm".
Part I of First Schedule (as substituted by regulation 4 of the Construction Regulations 1961, Amendment No. 3)	By omitting from clause 4 the words "Two inch", and substituting the expression "48.3 mm".
	By omitting from clause 5 the words "Two inch", and substituting the expression "48.3 mm".
	By omitting from clause 6 the expression "2 in.," and substituting the expression "48.3 mm".

SECOND SCHEDULE

Reg. 2 (2)

NEW PART II OF FIRST SCHEDULE TO PRINCIPAL REGULATIONS

"PART II

Reg. 41 (1)

Requirements in Respect of Construction of Scaffolding

TABLE A

Maximum Spans for Timber Scaffold Planks of Standard and Special Class

<u>Class of Plank</u> (in accordance with N.Z.S.S. 1426: 1965)	Thickness*	Maximum Span for <u>Light-duty</u> Working Platform	Maximum Span for <u>Heavy-duty</u> Working Platform
Standard Plank ..	40 mm	1.4 m	1.2 m
Standard Plank ..	50 mm	2 m	1.5 m
Special Plank (A1)	50 mm	2.7 m	2 m

*Equivalent sizes may be used if not less in strength to size prescribed in table.

TABLE B

Reg. 41 (1)

*Maximum Spans for Ledgers
(Longitudinal spacing of standards or frames)*

Material Used and Size of Ledger*	Maximum Span for <u>Light-duty</u> Working Platform	Maximum Span for <u>Heavy-duty</u> Working Platform
Timber: 125 mm × 50 mm (on edge)	2.3 m	1.8 m
Timber: 150 mm × 50 mm (on edge)	2.7 m	2.4 m
Steel tube: 48.3 mm (4 mm) ..	2.7 m	2.4 m
Aluminium tube: 48.3 mm (4.5 mm)	2.6 m	2.1 m

*Equivalent sizes may be used if not less in strength to size prescribed in table.

SECOND SCHEDULE—continued

Reg. 41 (1)

TABLE C

*Maximum Spans of Bearers (Including Putlogs and Transoms)
(Transverse spacing of ledgers)*

Description and Size of Bearer*	Maximum Span for <u>Light-duty</u> Working Platform	Maximum Span for <u>Heavy-duty</u> Working Platform
Timber (on flat)—		
100 mm × 50 mm	900 mm	..
100 mm × 50 mm (double) ..	1.5 m	1.2 m
100 mm × 75 mm	1.6 m†	1.4 m
Hardwood (on flat)—		
75 mm × 50 mm	1.1 m	..
100 mm × 50 mm	1.3 m	1.1 m
Steel tube—		
48.3 mm (4 mm)	1.5 m†	1.3 m
Aluminium tube—		
48.3 mm (4.5 mm)	1.3 m	1.1 m

*Equivalent sizes may be used if not less in strength to size prescribed in table.

†This does not authorise a light-duty working platform to be wider than 1.5 m.

Reg. 41 (1)

TABLE D

Maximum Spans of Guardrails

Description and Size of Guardrail*	Maximum Span of Guardrail (Without Joints)
Timber (on edge)—	
75 mm × 50 mm	2.4 m
100 mm × 50 mm	2.7 m
Steel tube—	
48.3 mm (4 mm)	4.5 m
Aluminium tube—	
48.3 mm (4.5 mm)	3.6 m

*Equivalent sizes may be used if not less in strength to size prescribed in table.

SECOND SCHEDULE—continued

TABLE E

Reg. 41 (1)

Maximum Height of Scaffolding and Sizes of Timber Standards

Size of Standard (Solid or Laminated Timber)*	Maximum Height of Top Working Platform	
	Light-duty	Heavy-duty
100 mm × 50 mm	4.5 m	..
100 mm × 75 mm	12 m	7.5 m
125 mm × 75 mm	24 m	20 m
150 mm × 75 mm	33 m	24 m
150 mm × 100 mm	33 m	33 m

*Equivalent sizes may be used if not less in strength to size prescribed in table.

TABLE F

Reg. 41 (1)

Maximum Number of Working Platforms Which May be Decked and Used on Metal Tubular (including framed) Scaffolding

Description and Size of Standard	Vertical Spacing Ties—Not More Than	Maximum Number of Light-duty Working Platforms for Standard Spaced		Maximum Number of Heavy-duty Working Platforms for Standard Spaced	
		2.7 m Apart	2.4 m Apart	2.4 m Apart	1.8 m Apart
Steel tube (48.3 mm × 4 mm) or equivalent frame	6 m apart	2	3	1	2
	4.2 m apart	6	8	3	4
	2.1 m apart	18	22	10	14
Aluminium (48.3 mm × 4.5 mm) or equivalent frame	4.2 m apart	2	3	1	2
	2.1 m apart	10	12	5	7

SECOND SCHEDULE—*continued*

Reg. 41 (1)

TABLE G

Longitudinal Bracing on Timber or Metal Ledger Standing Scaffolding

Type of Bracing	Vertical Coverage of Bracing Measured Down From the Top Working Platform	Minimum Amount of Bracing
Diagonal longitudinally at 40°–50° slope on outer face only and equivalent in size to ledger used	20 m	1 diagonal for each 20 m of length of scaffolding or part of length
	20–33 m	2 diagonals for each 20 m of length of scaffolding or part length
Double cross braces in a bay between each lift and on both faces of the scaffolding	9 m	1 braced bay in every 4 bays
	9–21 m	1 braced bay in every 3 bays
	21–33 m	1 braced bay in every 2 bays''

A. C. McLEOD,
Acting for Clerk of the Executive Council.

EXPLANATORY NOTE

This note is not part of the regulations, but is intended to indicate their general effect.

These regulations provide for metrication of the Imperial measurements in the principal regulations.

Issued under the authority of the Regulations Act 1936.

Date of notification in Gazette: 14 August 1975.

These regulations are administered in the Department of Labour.