



STAATSKOERANT

VAN DIE REPUBLIEK VAN SUID-AFRIKA

REPUBLIC OF SOUTH AFRICA

GOVERNMENT GAZETTE

REGULASIEKOERANT No. 1734

As 'n Nuusblad by die Poskantoor Geregistreer

PRYS 20c PRICE
OORSEE 30c OVERSEAS
POSTVRY — POST FREE

REGULATION GAZETTE No. 1734

Registered at the Post Office as a Newspaper

VOL. 91]

PRETORIA, 26 JANUARIE 1973
26 JANUARY

[No. 3771

GOEWERMENSKENNISGEWINGS

DEPARTEMENT VAN ARBEID

No. R. 109 26 Januarie 1973
WET OP FABRIEKE, MASJINERIE EN BOUWERK,
1941.—WYSIGING VAN REGULASIES

Die Staatspresident het, kragtens artikel 51 van die Wet op Fabriek, Masjinerie en Bouwerk, 1941 (Wet 22 van 1941), die regulasies gepubliseer by Goewermentskennisgewings R. 929 van 28 Junie 1963, R. 1934 van 13 Desember 1963, R. 1497 van 25 September 1964 en R. 1237 van 16 Julie 1971, soos gewysig by Goewermentskennisgewings R. 1492 van 25 September 1964, R. 3475 van 9 Oktober 1969 en R. 1336 van 21 Augustus 1970, verder gewysig soos in die Bylae hiervan aangedui.

BYLAE

1. Voor die woord "In" aan die begin van die regulasies by Hoofstuk I voeg in "1." en in paragraaf (e) vervang die syfer "6027" deur die syfer "3908" en voeg "Hankey," in voor "Hanover".

2. Die woordomskrywings soos in Hoofstuk I van die regulasies vervat, word soos volg gewysig en aangevul:

(i) Voeg die volgende omskrywing in na die omskrywing van "bevoegde persoon":

"'boksteier', 'n werkplatform wat op bokke, traplere, driepote of iets soortgelyks ondersteun word;"

(ii) Voeg die volgende omskrywing in na die omskrywing van "boksteier":

"'bootmanstoel', 'n hangende platformsitplek wat bedoel is om een persoon op hoë plekke in verband met bouwerk te ondersteun;"

(iii) In die omskrywing van "draagbare gashouer" vervang die woorde "gewig" en "ses pond" en die uitdrukking "2,600 pond" deur, onderskeidelik, die woord "volume" en die uitdrukkings "3 l" en "1 200 l".

(iv) Vervang die omskrywing van "drukhouer" deur die volgende omskrywing:

"'drukhouer', enige houer waarvan die binneste of mantel onder 'n hoër druk as die van die atmosfeer verkeer, uitgesonderd—

(a) stoomketels;

(b) houters waarin die druk uitgeoefen word deur 'n skadelose vloeistof waarvan die temperatuur nie hoër

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GOVERNMENT NOTICES

DEPARTMENT OF LABOUR

No. R. 109 26 January 1973
FACTORIES, MACHINERY AND BUILDING
WORK ACT, 1941.—AMENDMENT OF REGULA-
TIONS

The State President has, in terms of section 51 of the Factories, Machinery and Building Work Act, 1941 (Act 22 of 1941), further amended the regulations published under Government Notices R. 929 of 28 June 1963, R. 1934 of 13 December 1963, R. 1497 of 25 September 1964 and R. 1237 of 16 July 1971, as amended, by Government Notices R. 1492 of 25 September 1964, R. 3475 of 9 October 1969 and R. 1336 of 21 August 1970, as shown in the Schedule hereto.

SCHEDULE

1. Before the word "In" at the beginning of the regulations under Chapter I, insert "1." and in paragraph (e) substitute the figure "3908" for the figure "6027" and insert "Hankey," before "Hanover".

2. The definitions contained in Chapter I of the regulations are amended and supplemented as follows:

(i) After the definition of "system" insert the following definition:

"'trestle scaffold' means a working platform supported on trestles, stepladders, tripods or the like;"

(ii) After the definition of "Annexure" insert the following definition:

"'boatswain's chair' means a suspended platform seat intended for supporting one person in elevated positions in connection with building work;"

(iii) In the definition of "portable gas container" substitute the word "volume" and the expressions "3 l" and "1 200 l" for the words "weight", "six pounds" and "two thousand six hundred pounds", respectively.

(iv) Substitute the following definition for the definition of "pressure vessel":

"'pressure vessel' means any vessel the interior or jacket of which is under pressure in excess of that of the atmosphere, but shall not include—

(a) boilers;

(b) vessels in which the pressure is exerted by a harmless liquid the temperature of which does not

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as die kookpunt van die vloeistof by atmosferiese druk is nie en waarin 'n kussing gas of damp nie bo die vloeistof kan vorm nie;

(c) die werksilinders of kamers van stoom-, hitte- of lugenjins;

(d) 'n houer onder druk wat 'n integrerende werkdeel van 'n voertuig is;

(e) pype en soortgelyke leidings, wat nie integrerende werkdele van 'n drukhouer of drukontwikkelaar is nie, vir die vervoer van stoom, damp, gas of ander vloeistof;

(f) draagbare gashouers;

(g) houters waarvan die produk van die maksimum toelaatbare werkdruk in pascals (meterdruk) en die inhoud in kubieke meter nie die syfer 10 000 te bowe gaan nie;

(h) houters waarvan die produk, soos in paragraaf (g) bereken, die syfer 10 000 te bowe gaan maar waarvan die maksimum werkdruk minder as 35 kPa is;

(i) silindriese houters met 'n binnedeursnee van minder as 150 mm;"

(v) Voeg die volgende omskrywing in na die omskrywing van "geleier":

"'gemagtigde werkdruk', die meterdruk wat deur 'n inspekteur gemagtig is as die druk waarteen 'n stoomketel gewerk mag word;"

(vi) Vervang die woord "regulasie" in die omskrywing van "inspeksie-owerheid" deur die uitdrukking "regulasies C.58 (9) en".

(vii) Voeg die volgende omskrywing in na die omskrywing van "inspeksie-owerheid":

"'kortelingsteier', 'n steier wat ondersteun word deur 'n enkele ry staanders en die struktuur in verband waarmee dit gebruik word;"

(viii) Voeg die volgende omskrywing in na die omskrywing van "leweransier":

"'ligte hangsteier', 'n werkplatform wat van bo aan vrydraerbalk hang by wyse van meer as een afsonderlike suspensie vanaf elke vrydraerbalk;"

(ix) Voeg die volgende omskrywing na die omskrywing van "luikgang" in:

"'maksimum toelaatbare werkdruk', die maksimum meterdruk waarteen 'n drukhouer of deel van 'n drukhouer gewerk mag word en welke druk nie die ontwerpdruk te bowe mag gaan nie;"

(x) Voeg die volgende omskrywing na die omskrywing van "meterdruk" in:

"'normale werkdruk', die meterdruk waarby 'n drukhouer normaalweg gewerk word;"

(xi) Voeg die volgende omskrywing na die omskrywing van "ondergrondse kamer" in:

"'ontwerpdruk', die meterdruk wat in die ontwerpformules gebruik is om die normafmetings van die samestellende dele van 'n drukhouer of stoomketel te bepaal;"

(xii) In paragraaf (2) (a) van die omskrywing van "stoomketel" vervang die woorde "twaalf voet" deur die uitdrukking "4 000 mm" en vervang paragraaf (2) (b) deur die volgende paragraaf:

"(b) toestelle waarin die produk van die gemagtigde werkdruk in pascals en die volume in kubieke meter nie die syfer 10 000 te bowe gaan nie;"

(xiii) Voeg die volgende omskrywing in na die omskrywing van "stoomketel":

"'swaar hangsteier', 'n werkplatform wat aan oorhoofse vrydraerbalks by wyse van meer as een afsonderlike suspensie vanaf elke vrydraerbalk hang;"

exceed the boiling point of the liquid at atmospheric pressure and in which a cushion of gas or vapour cannot form above the liquid;

(c) the working cylinders or chambers of steam, heat or air engines;

(d) a vessel under pressure which forms an integral operating part of a vehicle;

(e) pipes and similar ducts, not being integral operating parts of a pressure vessel or pressure generator, for the conveyance of steam, vapour, gas or other fluid;

(f) portable gas containers;

(g) vessels of which the product of the maximum permissible working pressure in pascals (gauge pressure) and the capacity in cubic metres does not exceed the figure 10 000;

(h) vessels of which the product, as calculated in paragraph (g), exceeds the figure 10 000, but of which the maximum working gauge pressure is less than 35 kPa;

(i) cylindrical vessels with an internal diameter of less than 150 mm;"

(v) Between the definitions of "Annexure" and "boat-swain's chair" insert the following definition:

"'authorised working gauge pressure' means the gauge pressure authorised by an inspector as the pressure at which a boiler may be worked;"

(vi) In the definition of "inspection authority" substitute the expression "Regulations C.58 (9) and" for the word "regulation".

(vii) After the definition of "proclaimed road" insert the following definition:

"'putlog scaffold' means a scaffold supported by a single row of standards and the structure in connection with which it is being used;"

(viii) After the definition of "lifting tackle" insert the following definition:

"'light suspended scaffold' means a working platform suspended from overhead cantilevered supports by means of more than one separate suspension from each cantilever support;"

(ix) After the definition of "locomotive engine-driver's certificate" insert the following definition:

"'maximum permissible working pressure' means the maximum gauge pressure at which a pressure vessel or part of a pressure vessel may be worked and which pressure shall not exceed the design pressure;"

(x) After the definition of "maximum permissible working pressure" insert the following definition:

"'normal working pressure' means the gauge pressure at which a pressure vessel is normally worked;"

(xi) After the definition of "dead" insert the following definition:

"'design pressure' means the gauge pressure inserted in the design formulae to determine the scantlings of the component parts of a pressure vessel or boiler;"

(xii) In paragraph (2) (a) of the definition of "boiler" substitute the expression "4 000 mm" for the words "twelve feet" and substitute the following paragraph for paragraph (2) (b):

"(b) apparatus in which the product of the authorised working gauge pressure in pascals and the volume in cubic metres does not exceed the figure 10 000;"

(xiii) After the definition of "heating surface" insert the following definition:

"'heavy suspended scaffold' means a working platform suspended from overhead cantilevered supports by means of more than one separate suspension from each cantilever support;"

(xiv) Voeg die volgende omskrywing in na die omskrywing van "verplaasbare elektriese gereedskap":

"'vervoerinstallasie', apparaat wat gebruik word vir die vervoer van persone of materiaal deur middel van enige vorm van 'n verheve vervoermiddel wat hang van en beweeg langs 'n kettinglyntou of -ketting waar persone onder die pad van die vervoermiddel mag verbygaan of werk en waar die laagste gedeelte van die vervoermiddel 2 m of meer bokant die grondvlak beweeg;"

(xv) Voeg die volgende omskrywing in na die omskrywing van "vlamdigte toestelle":

"'vrydraer- of kraanbalksteier', 'n werkplatform wat op vrydraer- of verspande kraanbalke ondersteun word;"

3. Voeg die volgende paragraaf in na die woordomskeywings in Hoofstuk I van die regulasies:

"2. Vir die doel van hierdie regulasies word die volgende uitdrukkings aangedui deur die simbole wat daarteenoor verskyn:

kilogram.....	kg
kilowatt.....	kW
kilometer.....	km
liter.....	l
lux.....	lx
meter.....	m
millimeter.....	mm
kubieke meter.....	m ³
vierkante meter.....	m ²
kilometer per uur.....	km/h
meter per sekonde.....	m/s
newton per vierkante meter.....	N/m ²
kilogram per vierkante meter.....	kg/m ²
volt.....	V
kilovolt.....	kV
pascal.....	Pa
kilopascal.....	kPa
megapascal.....	MPa

Opmerking.—1 bar = 100 kPa

1 Pa = 1 N/m²."

4. Regulasie A.1 word gewysig deur—

(i) in subregulasie (1) die woorde "in duplikaat" te skrap;

(ii) in subregulasie (2) die uitdrukkings "een duim vir twintig voet", "een duim vir agt voet" en "vierkante voet" deur onderskeidelik die uitdrukkings "1:500", "1:100" en "vierkante meter" te vervang;

(iii) in subregulasie (4) die uitdrukkings "een duim vir twintig voet" en "een duim vir agt voet" deur onderskeidelik die uitdrukkings "1:500" en "1:100" te vervang;

(iv) Subregulasie (5) deur die volgende te vervang:

"(5) Die volgende gelde moet deur enige persoon wat ingevolge artikel 12 van die Wet planne voorlê by die voorlegging van sodanige planne aan die Afdelingsinspekteur betaal word:

(i) Vier rand by die aanvanklike voorlegging van planne vir die oprigting van nuwe geboue;

(ii) vier rand by die aanvanklike voorlegging van planne ten opsigte van bouveranderings of aanbousels aan bestaande geboue;

(iii) agt rand by die aanvanklike voorlegging van planne wat vir die oprigting van nuwe geboue, sowel as vir bouveranderings of aanbousels aan bestaande geboue, voorsiening maak; plus

(iv) twee rand ten opsigte van elke 100 m² vloeroppervlakte, of gedeelte daarvan, van die nuwe geboue of die bouveranderings of aanbousels wat op die planne aangetoon word: Met dien verstande dat hierdie geld nie betaalbaar is ten opsigte van bouveranderings indien geen bykomende vloeroppervlakte daarby betrokke is nie;

Voorts met dien verstande dat indien enige sodanige planne wat voorgelê is nie deur 'n inspekteur goedgekeur word nie en daarna weer voorgelê word, die gelde wat hierbo voorgeskryf is ten opsigte van elke sodanige her-voorlegging betaalbaar is."

(xiv) Between the definitions of "system" and "trestle scaffold", insert the following definition:

"'transportation plant' means apparatus used for the transportation of persons or material by means of any form of elevated conveyance suspended from and travelling along a catenary rope or chain where persons may pass or work below the path of the conveyance and where the lowest portion of the conveyance moves 2 m or more above ground level;"

(xv) After the definition of "boiler" insert the following definition:

"'cantilever of jib scaffold' means a working platform supported on cantilevered or braced outrigger beams;"

3. After the definitions in Chapter I of the regulations insert the following paragraph:

"2. For the purpose of these regulations, the following expressions are denoted by the symbols appearing opposite thereto:

kilogram.....	kg
kilowatt.....	kW
kilometre.....	km
litre.....	l
lux.....	lx
metre.....	m
millimetre.....	mm
cubic metre.....	m ³
square metre.....	m ²
kilometre per hour.....	km/h
metre per second.....	m/s
newton per square metre.....	N/m ²
kilogram per square metre.....	kg/m ²
volt.....	V
kilovolt.....	kV
pascal.....	Pa
kilopascal.....	kPa
megapascal.....	MPa

Note.—1 bar = 100 kPa

1 Pa = 1 N/m²."

4. Regulation A.1 is amended by—

(i) the deletion in subregulation (1) of the words "in duplicate";

(ii) the substitution in subregulation (2) of the expressions "1:500", "1:100" and "square metres" for the expressions "one inch to 20 feet", "one inch to eight feet" and "square feet", respectively;

(iii) the substitution in subregulation (4) of the expressions "1:500" and "1:100" for the words "one inch to 20 feet" and "one inch to eight feet", respectively;

(iv) the substitution of the following for subregulation (5):

"(5) The following fees shall be paid to the Divisional Inspector by any person who submits plans in terms of section 12 of the Act upon submission of such plans:

(i) Four rand upon the initial submission of plans for the erection of new buildings;

(ii) four rand upon the initial submission of plans in respect of structural alterations or additions to existing buildings;

(iii) eight rand upon the initial submission of plans providing for the erection of new buildings as well as for structural alterations or additions to existing buildings; plus

(iv) two rand in respect of each 100 m² floor space, or part thereof, of the new buildings or the structural alterations or additions to existing buildings shown on the plans: Provided that this fee shall not be payable in respect of structural alterations if no additional floor space is involved;

Provided further that if any such plans submitted are not approved by an inspector and are subsequently resubmitted, the fees prescribed above shall be payable upon each such resubmission."

5. (1) Regulasie A.7 word gewysig deur—

(i) in subregulasie (1) die woorde “in duplikaat” te skrap;

(ii) in subregulasie (8) (b) van die Engelse teks die woord “of” na die woord “Secretary” deur die woord “for” te vervang.

6. Regulasie B.1 word gewysig deur—

(i) in subregulasie (1) die woorde “vyf-en-twintig vierkante voet” en “tien voet” deur onderskeidelik die uitdrukkings “2,25 m” en “3 m” te vervang;

(ii) in subregulasie (5) die woord “voet” deur die woord “meter” en die woorde “een duim” deur die uitdrukking “25 mm” te vervang.

7. Regulasie B.3 word gewysig deur—

(i) in subregulasie (8) die woorde “tien voet” deur die uitdrukking “3 m”; en

(ii) in subregulasie (9) die woorde “twee duim” deur die uitdrukking “50 mm”;

te vervang.

8. Regulasie B.5 word gewysig deur—

(i) in subregulasie (4) (b) (iii) die woorde “tien voet” deur die uitdrukking “3 m”;

(ii) in subregulasie (5) (a) die woorde “ses voet” deur die uitdrukking “2 m”; en

(iii) in subregulasie (5) (b) die woorde “twintig lb.” deur die uitdrukking “10 kg”;

te vervang.

9. Regulasies B.7 (1) en B.8 (2) word gewysig deur in die betrokke subregulasies die woorde “ses vierkante voet”, “twee-en-sewentig vierkante voet” en “nege voet” deur onderskeidelik die uitdrukkings “0,6 m²”, “6,7 m²” en “2,7 m²” te vervang.

10. Regulasie C.1 word gewysig deur—

(i) subregulasie (1) (b) deur die volgende te vervang:

“(b) Waar die gesamentlike ekwivalente kraglewering van die masjinerie waarna in subparagrafe (i), (ii), (iii) en (iv) van subregulasie (1) (a) verwys word, die subparagrafe afsonderlik of in enige kombinasie daarvan geneem—

(i) hoogstens 800 kW is, moet die verantwoordelike persoon ’n bevoegde persoon wees;

(ii) meer as 800 kW maar hoogstens 1 200 kW beloop, moet die verantwoordelike persoon ’n gediplomeerde ingenieur wees, tensy die Hoofinspekteur, onderworpe aan sodanige voorwaardes as wat hy nodig ag, toestemming verleen vir die aanstelling van ’n bevoegde persoon;

(iii) meer as 1 200 kW is, moet die verantwoordelike persoon ’n gediplomeerde ingenieur wees.”

(ii) subregulasie (2) deur die volgende subregulasie te vervang:

“(2) Vir die toepassing van hierdie regulasie moet die kraglewering van die klasse masjinerie wat in subregulasie (1) genoem word, soos volg wees:

(a) Masjinerie wat in die primêre ontwikkeling van krag gebruik word: die kilowatt-ekwivalent van die vervaardiger se aanslag van alle masjinerie wat gelyktydig kan werk;

(b) masjinerie wat vir die verspreiding van elektrisiteit gebruik word: die kilowatt-ekwivalent van die maksimum vraag oor enige opeenvolgende 30 minute;

(c) masjinerie wat slegs met elektrisiteit werk: die vervaardiger se gesamentlike aanslag;

(d) stoomketels: die vervaardiger se aangeslane ekwivalente normale verdampbare vermoë van die stoomketel in kilogram water per uur vanaf en by 100° C, gedeel deur 21, of by ontstentenis daarvan, die verhitingsvlak van die stoomketel in vierkante meter vermenigvuldig met 0,8”.

5. (1) Regulation A.7 is amended by—

(i) the deletion in subregulation (1) of the words “in duplicate”;

(ii) the substitution in the English version of subregulation (8) (b) of the word “for” for the word “of” after the word “Secretary”.

6. Regulation B.1 is amended by—

(i) the substitution in subregulation (1) of the expressions “2,25 m” and “3 m”, for the words “twenty-five square feet” and “ten feet”, respectively;

(ii) the substitution in subregulation (5) of the word “metres” for the word “feet” and the expression “25 mm” for the words “one inch”.

7. Regulation B.3 is amended by the substitution—

(i) in subregulation (8) of the expression “3 m” for the words “ten feet”; and

(ii) in subregulation (9) of the expression “50 mm” for the words “two inches”.

8. Regulation B.5 is amended by the substitution—

(i) in subregulation (4) (b) (iii) of the expression “3 m” for the words “ten feet”;

(ii) in subregulation (5) (a) of the expression “2 m” for the words “six feet”; and

(iii) in subregulation (5) (b) of the expression “10 kg” for the words “twenty lbs. in weight”.

9. Regulations B.7 (1) and B.8 (2) are amended by the substitution in the relevant subregulations of the expressions “0,6 m²” and “6,7 m²” and “2,7 m²” for the words “six square feet”, “seventy-two square feet” and “nine feet”, respectively.

10. Regulation C.1 is amended by—

(i) the substitution of the following for subregulation (1) (b):

“(b) Where the combined equivalent power output of the machinery referred to in subparagraphs (i), (ii), (iii) and (iv) of subregulation (1) (a), the subparagraphs taken singularly or in any combination thereof—

(i) does not exceed 800 kW, the responsible person shall be a competent person;

(ii) exceeds 800 kW but does not exceed 1 200 kW, the responsible person shall be a certificated engineer, unless the Chief Inspector grants permission for the appointment of a competent person subject to such conditions as he deems fit;

(iii) exceeds 1 200 kW, the responsible person shall be a certificated engineer.”;

(ii) the substitution of the following subregulation for subregulation (2):

“(2) For the purpose of this regulation the power output of the classes of machinery enumerated in subregulation (1) shall be as follows:

(a) Machinery used in the primary generation of power: the kilowatt equivalent of the manufacturer’s rating of all machinery which can be worked simultaneously;

(b) machinery used for the distribution of electricity: the kilowatt equivalent of the maximum demand over any consecutive thirty minutes;

(c) machinery operated by electricity only: the collective manufacturer’s rating;

(d) boilers: the manufacturer’s rated equivalent boilers: or—normal evaporative capacity of the boiler in kilograms of water per hour from and at 100° C, divided by 21, or in the absence thereof, the heating surface of the boiler in square metres multiplied by 0,8”.

11. Regulاسie C.5 word gewysig deur in die Afrikaanse teks die woord "opplak" deur die woorde "opgeplak word" te vervang.

12. Regulاسie C.13 word gewysig deur—

(i) in subregulasie (3) die uitdrukking "30 voet" deur die uitdrukking "9 m" te vervang;

(ii) subregulasie (6) deur die volgende subregulasie te vervang:

"(6) Vaste lere wat aan vertikale strukture geheg is of vaste lere met 'n helling van 75° of meer onder die horisontale en waarvan die vertikale hoogte meer as 5 m is, moet voorsien wees van 'n hok wat strek van 'n punt hoogstens 2,5 m vanaf die onderste vlak tot 'n hoogte van minstens 900 mm bo die boonste vlak wat deur die lere bedien word. Die hok moet stewige ondersteuning langs sy hele lengte bied vir die rug van 'n persoon en geen deel van die hok mag meer as 700 mm weg van die vlak van die sporte wees nie. Die sporte moet minstens 150 mm weg wees van die struktuur waaraan die leer vas is.";

(iii) die volgende regulاسie na subregulasie (6) in te voeg:

"C.13A. Werk op Hoë Plekke

Geen gebruiker mag van enige persoon vereis of hom toelaat om enige werk op 'n hoë plek te verrig nie, tensy sodanige werk veilig vanaf 'n leer of steier verrig kan word of vanaf 'n posisie wat net so veilig as op 'n steier is.

C.13B. Steierraamwerk

(1) Die gebruiker moet—

(a) steierstaanders stewig laat stut en vassit teen verskuiwing en loodreg laat hou, behalwe in die geval van kortelingsteiers wat effens moet oorhel na die voorwerp waaraan gewerk word;

(b) (i) staanders wat van staal gemaak is, hoogstens 1,8 m, 2,4 m en 3 m in die geval van, onderskeidelik, hoë, middelmatige en lae massalaste van mekaar af laat spasieer en hoogstens 3m van mekaar af indien hulle van hout gemaak is;

(ii) steierbalke hoogstens 2,1 m vertikaal van mekaar af laat spasieer;

(iii) kortelings of dwarsbalke hoogstens 1,5 m, 1,8 m, 2,4 m en 3 m in die geval van onderskeidelik hoë, middelmatige en lae massalaste van mekaar af laat spasieer.

Vir die doeleindes van hierdie subregulasie beteken "hoë", "middelmatige" en "lae" massalaste, massalaste van onderskeidelik hoogstens 375, 250 en 125 kg/m²;

(c) toesien dat elke deel van 'n steierraam wat van hout gemaak is 'n diameter van minstens 75 mm of 'n deursnee van gelyke sterkte het.

(2) Geen gebruiker mag 'n steier gebruik of laat gebruik nie, tensy dit—

(a) stewig en doeltreffend verspan is om stewigheid in alle rigtings te verseker;

(b) op geskikte vertikale en horisontale afstande vasgesit is aan die voorwerp waaraan gewerk word tensy die steier ontwerp is om heeltemal selfondersteunend te wees;

(c) so gebou is dat dit 'n veiligheidsfaktor van minstens vier het;

(d) minstens een keer per week en na slegte weer deur 'n bevoegde persoon nagesien word.

(3) Geen gebruiker mag vereis of toelaat dat—

(a) steierwerk, waarvan die ondersteunende raam van hout gemaak is, hoër as 25 m is nie;

(b) steierwerk anders as deur of onder die persoonlike toesig van 'n bevoegde persoon opgerig, verander of afgetakel word nie.

11. Regulation C.5 is amended by the substitution in the Afrikaans version of the words "opgeplak word" for the word "opplak".

12. Regulation C.13 is amended by—

(i) the substitution in subregulation (3) of the expression "9 m" for the expression "thirty feet";

(ii) the substitution of the following subregulation for subregulation (6):

"(6) Fixed ladders which are attached to vertical structures or fixed ladders which have an inclination to the horizontal of 75° or more and the vertical height of which exceeds 5 m shall be provided with a cage extending from a point not more than 2,5 m from the lower level to a height of at least 900 mm above the top level served by the ladders. The cage shall provide firm support along its whole length for the back of a person and no part of the cage shall be more than 700 mm distant from the plane of the rungs. The rungs shall be at least 150 mm distant from the structure to which the ladder is secured.";

(iii) the insertion after subregulation (6) of the following regulations:

"C.13A. Work in Elevated Positions

No user shall require or permit any person to perform any work in an elevated position unless such work can be performed safely from a ladder or a scaffold or from a position which is as safe as on a scaffold.

C.13B. Scaffold Frame Work

(1) The user shall cause—

(a) scaffold standards to be firmly supported and secured against displacement and to be kept vertical, except in the case of putlog scaffolds which shall incline slightly towards the object on which work is performed;

(b) (i) standards to be spaced not more than 1,8 m, 2,4 m and 3 m apart in the case of high, medium and low mass loads, respectively, if constructed of steel and not more than 3 m apart if constructed of timber;

(ii) ledgers to be spaced not more than 2,1 m apart vertically;

(iii) putlogs or transoms to be spaced not more than 1,5 m, 1,8 m and 2,4 m apart in the case of high, medium and low mass loads, respectively.

For the purpose of this regulation "high", "medium" and "low" mass loads shall mean mass loads of not more than 375, 250 and 125 kg/m², respectively;

(c) every member of a scaffold frame which is constructed of timber to have a diameter of not less than 75 mm or to have a section of equivalent strength.

(2) No user shall use, or cause to be used, any scaffold unless it is—

(a) securely and effectively braced to ensure stability in all directions;

(b) secured at suitable vertical and horizontal distances to the object on which work is being performed unless the scaffold is designed to be completely self-supporting;

(c) so constructed that it has a factor of safety of not less than four;

(d) inspected by a competent person at least once a week and after inclement weather.

(3) No user shall require or permit—

(a) scaffolding, the supporting frame of which is constructed of timber, to exceed a height of 25 m;

(b) scaffolding to be erected, altered or taken down other than by or under the personal supervision of a competent person.

C.13C. Steierplatforms

(1) Die gebruiker moet toesien dat—

(a) elke steierplatform wat van hout gemaak is, bestaan uit planke wat minstens 228 mm wyd en 38 mm dik is;

(b) elke plank wat deel van die steierplatform uitmaak, op ten minste drie stutte rus, behalwe in die geval van boksteiers, en dat minstens 150 mm by tussenkomende stutte en hoogstens 230 mm by die entstutte uitsteek;

(c) elke plank van 'n steierplatform stewig vasgesit is om verskuiwing daarvan te voorkom;

(d) elke platform só beplank is dat materiaal en gereedskap verhoed word om deur te val.

(2) Die gebruiker moet toesien dat elke werkplatform van 'n steier—

(a) minstens 456 mm wyd is;

(b) wat meer as 2 m bokant die vloer of grond is aan alle kante van die platform, behalwe aan die kant teenoor die werkvlak, voorsien is van—

(i) stewige skutrelings van minstens 900 mm en hoogstens 1 100 mm hoog;

(ii) toonborde wat vanaf die vlak van die platform minstens 150 mm hoog en in die geval van toonborde van hout minstens 25 mm dik is en wat so vasgesit is dat daar geen oop ruimte tussen die toonbord en die platform bestaan nie;

(c) so opgestel is dat die gaping tussen die platform en die werkvlak hoogstens 75 mm is: Met dien verstande dat waar daar van die werkers vereis word om te sit terwyl hulle werk, hierdie afstand tot hoogstens 300 mm vergroot kan word; voorts met dien verstande dat waar werk aan onreëlmatige werkvlakke gedoen word die werkplatform so naby doenlik aan die werkvlak moet wees;

(d) vry van afval, spykers wat uitsteek of enige ander hindernis en in 'n gelykryke toestand gehou word.

(3) Geen gebruiker mag vereis of toelaat dat 'n werkplatform wat hoër as 600 mm is op 'n steierplatform ondersteun word nie.

(4) Die gebruiker moet toesien dat 'n bykomende skutreling voorsien word op 'n hoogte van 900 mm bokant elke werkplatform wat op 'n steierplatform ondersteun word.

(5) Die gebruiker moet toesien dat gerieflike en veilige toegang tot elke steierplatform verskaf word. Waar sodanige toegang deur middel van lere geskied, moet die lere aan die onderent stewig gestut word, minstens 900 mm verby die bokant van die platform steek en stewig vasgemaak word.

C.13D Hangsteiers

Geen gebruiker mag vereis of toelaat dat 'n hangsteier gebruik word nie tensy—

(1) die kraanbalke—

(a) van staal is en 'n veiligheidsfaktor van minstens vier het;

(b) se binne-ente behoorlik gestut, gepas, gespaseer en stewig geanker is: Met dien verstande dat, waar kraanbalke deur gewigte geanker is, die inrigting daarvan deur 'n inspekteur goedgekeur moet word;

(c) se buite-ente voorsien is van 'n stop of ander middels wat verskuiwing van die tou sal voorkom;

(2) die werkplatform aan minstens twee onafhanklike staaldraadtoue hang waarvan die veiligheidsfaktor minstens 10 is, gebaseer op die maksimum las wat van elke tou vereis word om te dra;

C.13C. Scaffold Platforms

(1) The user shall ensure that—

(a) every scaffold platform which is constructed of timber consists of boards at least 228 mm wide by 38 mm thick;

(b) every board which forms part of a scaffold platform rests on at least three supports, except in the case of trestle scaffolds, and projects at least 150 mm at intermediate supports and not more than 230 mm at the end supports;

(c) every board of a scaffold platform is securely fastened to prevent its displacement;

(d) every platform is boarded in such a manner that materials and tools are prevented from falling through.

(2) The user shall ensure that every working platform of a scaffold—

(a) is not less than 456 mm wide;

(b) which is more than 2 m above the floor or ground is provided on all sides of the platform, except on the side facing the working plane, with—

(i) substantial guard rails at least 900 mm and not more than 1 100 mm high;

(ii) toe-boards which shall be at least 150 mm high from the level of the platform and in the case of timber toe-boards at least 25 mm thick, and which shall be so affixed that there is no open space between the toe-boards and the platform;

(c) is so arranged that the gap between the platform and the working plane does not exceed 75 mm: Provided that where workmen are required to sit whilst working, this distance may be increased to not more than 300 mm: Provided further that where work is performed on irregular working planes, the working platform shall be as close as practicable to the working plane;

(d) is kept free from waste, projecting nails or any other obstruction and is maintained in a non-slippery state.

(3) No user shall require or permit a working platform which is higher than 600 mm to be supported on a scaffold platform.

(4) The user shall ensure that an additional guard rail is provided at a height of 900 mm above every working platform which is supported on a scaffold platform.

(5) The user shall ensure that convenient and safe access is provided to every scaffold platform. Where such access is by means of ladders, the ladders shall be firmly supported at the base, shall extend at least 900 mm beyond the top of the platform and shall be firmly secured.

C.13D. Suspended Scaffolds

No user shall require or permit a suspended scaffold to be used unless—

(1) the outriggers are—

(a) of steel and have a factor of safety of not less than four;

(b) properly supported, suitably spaced and securely anchored at the inner end: Provided that in the case of outriggers anchored by weights the arrangement thereof shall be approved by an inspector;

(c) provided with a stop or other means at the outer ends to prevent displacement of the rope;

(2) the working platform is suspended from at least two independent steel wire ropes, the factor of safety of which is not less than 10 based on the maximum load which each rope is required to support;

(3) hystoestelle of hystakel so opgerig en in stand gehou word dat dit onopsetlike beweging van die werkplatform verhoed en só geleë is dat hulle maklik vir inspeksie toeganklik is en dat die touverbindinge aan die kraanbalke loodreg bokant die werkplatformaanhengings is;

(4) die werkplatform—

(a) minstens 456 mm en hoogstens 912 mm wyd is in die geval van ligte hangsteiers en minstens 912 mm wyd is in die geval van swaar hangsteiers;

(b) so hang dat hy so naby doenlik is aan die werkvlak waaraan gewerk word en by elke werkposisie vasgemaak is om relatiewe horisontale beweging tussen die platform en werkvlak te voorkom;

(c) bo en aan alle kante daarvan, behalwe aan die kant teenoor die werkvlak, van sterk skutrelings van minstens 900 mm en hoogstens 1 100 mm voorsien is: Met dien verstande dat in die geval van 'n ligte hangsteier skutrelings van minstens 750 mm hoog aan alle kante van die platform voorsien moet word;

(d) aan alle kante van toonborde voorsien is wat minstens 150 mm hoog vanaf die vlak van die platform en in die geval van toonborde van hout minstens 25 mm dik is en wat so geïnstalleer is dat daar geen oop ruimte tussen die toonbord en die platform bestaan nie: Met dien verstande dat in die geval van swaar hangsteiers die toonbord aan die kant teenoor die werkvlak minstens 50 mm hoog vanaf die vlak van die platform moet wees.

C.13E *Bootmanstoel*

Die gebruiker moet toesien dat elke bootmanstoel of soortgelyke toestel stewig hang en van sodanige konstruksie is dat dit sal verhoed dat enige insittende daaruit val.

C.13F *Boksteiers*

Die gebruiker moet toesien dat 'n boksteier van goeie en stabiele konstruksie is en dat alle redelike maatreëls getref word teen die onopsetlike uitspreiding van sy ondersteunende bene terwyl hy in gebruik is en niemand mag sodanige maatreëls ondoeltreffend maak of toelaat dat hulle ondoeltreffend gemaak word nie.”.

13. (i) Regulasie C.20 word gewysig deur in die Afrikaanse teks van subregulasie (6) die woord “in” waar hy vir die eerste keer voorkom deur die woord “aan” te vervang.

(ii) Regulasie C.22 (1) (c) word gewysig deur die woorde “drie voet ses duim” deur die uitdrukking “1 100 mm” te vervang.

14. Regulasie C.29 word gewysig deur—

(i) subregulasie (1) (a) deur die volgende te vervang—

“(a) teen 'n snelheid hoër as die vervaardiger se aangeslane maksimum snelheid vir die saagblad of by ontstentenis van sodanige aanslag, teen 'n omtreksnelheid van meer as 50 m/s;”;

(ii) in subregulasie (2) (a) die woorde “een-agste duim”, “halfduim”, “vier-en-twintig duim”, “een duim” en “nege duim” oral waar hulle voorkom deur onderskeidelik die uitdrukkinge “3 mm”, “12 mm”, “600 mm”, “25 mm” en “225 mm” te vervang.

15. Regulasie C.31 word gewysig deur in subregulasie (2) die woorde “twaalf duim” deur die uitdrukking “300 mm” te vervang.

16. Regulasie C.35 word gewysig deur—

(i) die woord “fabrikant” oral waar dit in die Afrikaanse teks van subregulasie (2) voorkom deur die woord “vervaardiger” te vervang;

(3) lifting machines or lifting tackle are so constructed and maintained as to prevent accidental movement of the working platform and are so situated that they are readily accessible for inspection and that the rope connections to the outriggers are vertically above the working platform attachments;

(4) the working platform is—

(a) not less than 456 mm and not more than 912 mm wide in the case of light suspended scaffolds and not less than 912 mm wide in the case of heavy suspended scaffolds;

(b) suspended in such a manner that it is as close as practicable to the working plane on which work is being performed and secured at every working position to prevent relative horizontal movement between the platform and the working plane;

(c) provided with substantial guard rails of not less than 900 mm and not more than 1 100 mm above and on all sides of the platform except the side facing the working plane: Provided that, in the case of a light suspended scaffold, guard rails at least 750 mm high shall be provided on all sides of the platform;

(d) provided on all sides with toe-boards which shall be at least 150 mm high from the level of the platform and in the case of timber toe-boards at least 25 mm thick and which shall be so installed that there are no open spaces between the toe-boards and the platform: Provided that in the case of heavy suspended scaffolds the toe-board facing the working plane shall be at least 50 mm high from the level of the platform.

C.13E. *Boatswain's Chair*

The user shall cause every boatswain's chair or similar appliance to be securely suspended and to be of such construction as to prevent any occupant from falling therefrom.

C.13F. *Trestle Scaffolds*

The user shall ensure that trestle scaffolds are of sound and stable construction and that all reasonable measures are taken against the accidental spreading of their supporting legs when in use, and no person shall render such measures ineffective or cause them to be rendered ineffective.”.

13. (i) Regulation C.20 is amended by the substitution in the Afrikaans version of subregulation (6) of the word “aan” for the word “in” where it occurs for the first time.

(ii) Regulation C.22 (1) (c) is amended by the substitution of the expression “1 100 mm” for the words “three feet six inches”.

14. Regulation C.29 is amended by—

(i) the substitution of the following for subregulation (1) (a):

“(a) at a speed in excess of the manufacturer's rated maximum speed for the saw blade or in the absence of such rating at a peripheral speed of more than 50 m/s;”;

(ii) the substitution in subregulation (2) (a) of the expressions “3 mm”, “12 mm”, “600 mm”, “25 mm” and “225 mm”, for the words “one-eighth of an inch”, “half an inch”, “twenty-four inches”, “one inch” and “nine inches”, respectively, wherever they occur.

15. Regulation C.31 is amended by the substitution in subregulation (2) of the expression “300 mm” for the words “twelve inches”.

16. Regulation C.35 is amended by—

(i) the substitution of the word “vervaardiger” for the word “fabrikant” wherever it occurs in the Afrikaans version of subregulation (2);

(ii) in subregulasie (2) die woorde "vier duim" en die uitdrukking "5,500 voet per minuut" deur onderskeidelik die uitdrukkings "100 mm" en "30 m/s" te vervang;

(iii) in subregulasie (5) die woorde "een-agste van 'n duim" deur die uitdrukking "3 mm" te vervang;

(iv) die invoeging van die woord "unbreakable" na die woord "transparent" in die Engelse teks en die vervanging van die woord "deursigtige" deur die woord "deursigtige" in die Afrikaanse teks van subregulasie (6).

17. Regulasie C.38 word gewysig deur die woorde "drie agstes van 'n duim" deur die uitdrukking "10 mm" te vervang.

18. Regulasie C.40 word gewysig deur—

(i) in die eerste paragraaf die woorde "drie duim" deur die uitdrukking "75 mm" te vervang;

(ii) in die paragraaf genoem "4" die woorde "twaalf duim" deur die uitdrukking "300 mm" te vervang.

19. Regulasie C.42 (2) word gewysig deur die uitdrukking "240 kubieke voet" deur die uitdrukking "8,5 m³" en die woorde "smeltbare proppe" deur die woord "smeltproppe" te vervang.

20. Regulasie C.43 word gewysig deur—

(i) die woord "fabrikant" oral waar dit in subregulasie (1) van die Afrikaanse teks voorkom deur die woord "vervaardiger" te vervang;

(ii) na die woord "as" waar dit vir die eerste keer in subregulasie (1) voorkom, die woorde "drie verkoelings-tonne" deur die uitdrukking "12 kW" te vervang;

(iii) in subregulasie (1) (b) (iii) die woord "verkoelings-tonne" deur die uitdrukking "kW" te vervang;

(iv) in subregulasie (1) (b) (xii) die woord "perdekrag" deur die uitdrukking "vermoë in kW" te vervang;

(v) subregulasie (5) te skrap.

21. Regulasie C.44 word gewysig deur subregulasie (1), (2), (3), (5) en (6) deur onderskeidelik die volgende subregulasies te vervang:

"(1) Geen persoon mag 'n vervoerinstallasie oprig nie, tensy dit deur die Hoofinspekteur, onderworpe aan sodanige voorwaardes as wat hy bepaal, goedgekeur is.

(2) Enige persoon wat 'n vervoerinstallasie wil oprig of gebruik, moet skriftelik by die Afdelingsinspekteur aansoek doen en aan hom planne en spesifikasies voorlê wat die regte afmetings van die vervoerinstallasie aantoon en dit volledig beskryf en niemand mag die vervoerinstallasie sonder die skriftelike toestemming van 'n inspekteur oprig of gebruik nie.

(3) 'n Inspekteur mag, nadat hy deur middel van 'n werklike toets homself oortuig het dat aan die vereistes van hierdie regulasie voldoen is en dat die vervoerinstallasie veilig gebruik kan word, 'n registrasiesertifikaat vir die gebruik daarvan uitreik, onderworpe aan sodanige voorwaardes as wat hy bepaal en wat op die registrasiesertifikaat aangeteken moet word.

(5) 'n Inspekteur mag enige registrasiesertifikaat intrek indien hy dit in belang van veiligheid nodig ag of vanweë die nie-nakoming van enige regulasie of enige voorwaarde wat op die registrasiesertifikaat aangeteken is.

(6) Die gebruiker van sodanige vervoerinstallasie moet—

(a) aan die Afdelingsinspekteur 'n bedrag van tien rand betaal ten opsigte van elke registrasiesertifikaat wat kragtens subregulasie (3) aan hom uitgereik word;

(ii) the substitution in subregulation (2) of the expressions "100 mm" and "30 m/s" for the words "four inches" and the expression "5,500 feet per minute", respectively;

(iii) the substitution in subregulation (5) of the expression "3 mm" for the words "one-eighth of an inch";

(iv) the insertion of the word "unbreakable" after the word "transparent" in the English version and the substitution of the word "deursigtige" for the word "deurskynende" in the Afrikaans version of subregulation (6).

17. Regulation C.38 is amended by the substitution of the expression "10 mm" for the words "three-eighths of an inch".

18. Regulation C.40 is amended by—

(i) the substitution in the first paragraph of the expression "75 mm" for the words "three inches";

(ii) the substitution in the paragraph numbered "(4)" of the expression "300 mm" for the words "twelve inches".

19. Regulation C.42 (2) is amended by the substitution of the expression "8,5 m³" for the expression "240 cubic feet" and by the substitution in the Afrikaans version of the word "smeltproppe" for the words "smeltbare proppe".

20. Regulation C.43 is amended by—

(i) the substitution in the Afrikaans version of subregulation (1) of the word "vervaardiger" for the word "fabrikant" wherever it occurs;

(ii) the substitution after the word "than", where it occurs for the first time in subregulation (1), of the expression "12 kW" for the words "three tons refrigeration";

(iii) the substitution in subregulation 1 (b) (iii) of the expression "kW" for the words "tons of refrigeration";

(iv) the substitution in subregulation (1) (b) (xii) of the expression "power output in kW" for the words "horse power";

(v) the deletion of subregulation (5).

21. Regulation C.44 is amended by the substitution of the following subregulations for subregulations (1), (2), (3), (5) and (6), respectively:

"(1) No person shall erect a transportation plant unless it has been approved by the Chief Inspector subject to such conditions as he may determine.

(2) Any person who wishes to erect or use a transportation plant shall make written application to the Divisional Inspector and shall submit to him plans and specifications showing the correct measurements of and fully describing the transportation plant, and no person shall erect or use such transportation plant without the written permission of an inspector.

(3) An inspector, may after he has satisfied himself by means of an actual test that the provisions of this regulation have been complied with and that the transportation plant can be safely used, grant a certificate of registration for the use thereof, subject to such conditions as he may determine and which shall be endorsed on the certificate of registration.

(5) An inspector may withdraw any certificate of registration if he deems it necessary in the interests of safety or on account of non-compliance with any regulation or with any condition endorsed on the certificate of registration.

(6) The user of such transportation plant shall—

(a) pay to the Divisional Inspector a fee of R10 in respect of each certificate of registration issued to him in terms of subregulation (3);

(b) aan die Afdelingsinspekteur 'n bedrag van vier rand betaal ten opsigte van elke algemene inspeksie van die vervoerinstallasie wat deur 'n inspekteur uitgevoer word na die uitreiking van die registrasiesertifikaat vir die gebruik van die vervoerinstallasie;

(c) aan die Afdelingsinspekteur 'n bedrag van een rand betaal vir die vervanging van 'n verlore, beskadigde of vernietigde registrasiesertifikaat.”

22. Regulasie C.45 (1) word gewysig deur—

(i) in paragraaf (b) die woorde “sewe voet” en “een en 'n half duim” deur onderskeidelik die uitdrukkings “2 100 mm” en “38 mm” te vervang;

(ii) in paragraaf (e) die woorde “twaalf duim” oral waar hulle voorkom deur die uitdrukking “300 mm” te vervang;

(iii) in paragraaf (g) die woorde “vier voet ses duim” oral waar hulle voorkom deur die uitdrukking “1 350 mm” te vervang.

23. Regulasie C.45 word gewysig deur die invoeging van die volgende sinsnede voor die punt aan die einde van subregulasie (3):

“en toesien dat minstens drie volle wikkels van die tou altyd op die trom bly”.

24. Regulasie C.46 word gewysig deur die invoeging van die volgende sinsnede voor die punt aan die einde van subregulasie (3):

“en tensy sodanige tou vry van laste is en altyd minstens drie volle wikkels op die trom het”.

25. Regulasie C.46 (4) word gewysig deur na die woord “haak” die woorde “of ander aanhegtingstoestel” in te voeg en in die Afrikaanse teks die woord “die” voor die woord “laste” te skrap.

26. Regulasie C.47 (3) word gewysig deur die woorde “tien myl per uur”, die uitdrukking “40” en die woord “perdekrag” deur onderskeidelik die uitdrukkings “20 km/h”, “30 kW” en die woord “vermoe” te vervang.

27. Regulasie C.48 word gewysig deur—

(i) in die Afrikaanse tekste van subregulasies (1) en (2) die woord “treinkoekepanne” deur die woord “koekepantrein” te vervang;

(ii) in subregulasie (2) die woorde “vier myl per uur” deur die uitdrukking “10 km/h” te vervang.

28. Regulasie C.49 (3) (b) word gewysig deur die woorde “vier duim” deur die uitdrukking “100 mm” te vervang.

29. Regulasie C.51 word gewysig deur—

(i) aan die einde van subregulasie (1) die punt deur 'n dubbelpunt te vervang en die volgende voorbehoud daarna in te voeg:

“Met dien verstande dat die gebruiker, met die skriftelike toestemming van 'n inspekteur, 'n persoon wat spesiaal vir die doel opgelei is, mag toelaat om straatlig- en distribusiepale te verf en paalsekerings en gloei- of ontladingstipe straatlampe van distribusielyste te vervang waarvan die spanning hoogstens 500 V is.”;

(ii) aan die einde van subregulasie (2) die punt deur 'n dubbelpunt te vervang en die volgende voorbehoud daarna in te voeg:

“Met dien verstande dat die spesiaal opgeleide persone waarna in die voorbehoud by subregulasie (1) verwys word, straatlig- en distribusiepale mag verf en paalsekerings en gloei- of ontladingstipe straatlampe van distribusielyste mag vervang waarvan die spanning hoogstens 500 V is.”

30. Regulasie C.52 word gewysig deur die volgende paragraaf na subregulasie (4) in te voeg:

“Daar sal geag word dat die vereistes van hierdie regulasie nagekom is indien—

(b) pay to the Divisional Inspector a fee of R4 in respect of each general inspection of the transportation plant conducted by an inspector subsequent to the issue of the certificate of registration to use the transportation plant;

(c) pay to the Divisional Inspector a fee of R1 for the replacement of a lost, defaced or destroyed certificate of registration.”

22. Regulation C.45 (1) is amended by the substitution—

(i) in paragraph (b) of the expressions “2 100 mm” and “38 mm” for the words “seven feet” and “one and one-half inches”, respectively;

(ii) in paragraph (e) of the expression “300 mm” for the words “twelve inches” wherever they occur;

(iii) in paragraph (g) of the expression “1 350 mm” for the words “four feet six inches” wherever they occur.

23. Regulation C.45 is amended by the insertion of the following phrase before the full stop at the end of subregulation (3):

“and shall ensure that at least three full turns of the rope remain on the drum at all times.”

24. Regulation C.46 is amended by the insertion of the following phrase before the full stop at the end of subregulation (3):

“and unless such rope is free of joints and has at least three full turns on the drum at all times.”

25. Regulation C.46 (4) is amended by the insertion of the words “or other attaching device” after the word “hook” and the deletion in the Afrikaans version of the word “die” before the word “vragte”.

26. Regulation C.47 (3) is amended by the substitution of the expressions “20 km/h”, “30 kW” and the words “power output” for the words “ten miles per hour”, the expression “40” and the word “horsepower”, respectively.

27. Regulation C.48 is amended by the substitution—

(i) in the Afrikaans version of subregulation (1) and (2) of the word “koekepantrein” for the word “treinkoekepanne”;

(ii) in subregulation (2) of the expression “10 km/h” for the words “four miles an hour”.

28. Regulation C.49 (3) (b) is amended by the substitution of the expression “100 mm” for the words “four inches”.

29. Regulation C.51 is amended by—

(i) the substitution of a colon for the full stop at the end of subregulation (1) and the insertion of the following proviso thereafter:

“Provided that, with the written permission of an inspector, the user may permit a person specially trained for the purpose to paint street lighting and distribution poles and replace pole fuses and incandescent or discharge type street lamps on distribution lines, the tension of which does not exceed 500 V.”

(ii) the substitution of a colon for the full stop at the end of subregulation (2) and the insertion of the following proviso thereafter:

“Provided that the specially trained persons referred to in the proviso to subregulation (1) may paint street lighting and distribution poles and replace pole fuses and incandescent or discharge type street lamps on distribution lines, the tension of which does not exceed 500 V.”

30. Regulation C.52 is amended by the insertion of the following paragraph after subregulation (4):

“It shall be deemed that the requirements of this regulation have been complied with if—

(a) in the case of a miniature substation, at least one skull and cross bones notice with the words ‘Gevaar—

(a) in die geval van 'n miniatuursubstasie, minstens een doodskopteken met die woorde 'Gevaar—Danger' daarop buite aan die voorkant van die miniatuursubstasie aangebring is en die deure wat toegang tot die hoog- en laagspanningskante van die miniatuursubstasie verleen, aan die binnekante duidelik en onuitwisbaar onderskeidelik H_2 en L_2 gemerk is; en

(b) in die geval van 'n hoog- of laagspanningsdistribusiekas, minstens een doodskopteken met die woorde 'Gevaar—Danger' daarop buite aan die voorkant van die hoog- of laagspanningsverspreidingskas aangebring is en die deure wat toegang tot die hoog- of laagspanningsdistribusiekas verleen, aan die binnekante duidelik en onuitwisbaar onderskeidelik H_2 en L_2 gemerk is."

31. Regulasie C.53 (2) word gewysig deur in die Engelse teks die woord "protected" deur die woord "guarded" te vervang.

32. Regulasie C.55 word gewysig deur subregulasie (1) (f) deur die volgende paragraaf te vervang:

"(f) voorsien is van doelmatige brandblustoestelle wat vir gebruik op elektriese toerusting geskik is en hy moet toesien dat hulle in goeie werkende toestand gehou word. Met dien verstande dat in die geval van onbemande transformator- en skakelgeboue geskikte brandblustoestelle by sodanige geboue beskikbaar gestel moet word slegs wanneer werk daaraan of daarin aan die gang is."

33. Regulasie C.57 word gewysig deur die woorde "vier voet" deur die uitdrukking "1 200 mm" te vervang.

34. Regulasie C.58 word gewysig deur—

(i) die opskrif deur die volgende opskrif te vervang:

"Elektriese Installasies in Gevaarlike Plekke";

(ii) subregulasies (1), (2) en (8) deur onderskeidelik die volgende subregulasies te vervang:

"(1) Die gebruiker moet toesien dat alle elektriese apparaat wat gebruik word of gebruik sal word in plekke waar daar die gevaar van brand of ontploffing bestaan weens die aanwezigheid, voorkoms of ontwikkeling van ontplofbare of vlambare artikels, of waar ontplofbare artikels vervaardig, gehanteer of gebêre word, met betrekking tot hul konstruksie gekies word ooreenkomstig 'n deur die Hoofinspekteur goedgekeurde kode betreffende die klassifikasie van gevaarlike plekke en die keuse van elektriese apparaat vir gebruik in sodanige plekke.

(2) (a) Die gebruiker moet toesien dat alle elektriese apparaat wat ingevolge subregulasie (1) gekies is, vervaardig is ooreenkomstig 'n praktykkode wat deur die Hoofinspekteur goedgekeur is.

(b) Die gebruiker moet in besit wees van 'n sertifikaat wat deur 'n inspeksie-owerheid uitgereik is waarin—

(i) die kode waarvolgens die apparaat vervaardig is; en

(ii) die groepe gevaarlike artikels waarvoor die apparaat getoets is; gesertifiseer word en die sertifisering moet in 'n vorm wees wat vir die Hoofinspekteur aanvaarbaar is.

(8) Die gebruiker moet toesien dat alle elektriese apparaat waarop hierdie regulasie betrekking het met tussenposes van hoogstens 12 maande deur 'n bevoegde persoon ondersoek word. Daardie persoon moet die resultate van sodanige ondersoek aantekene in 'n verslagboek wat vir die doel deur die gebruiker gehou moet word en hy moet elke sodanige verslag onderteken."

(iii) die volgende subregulasie na subregulasie (8) in te voeg:

"(9) (a) Die Hoofinspekteur kan enige organisasie wat die voorgeskrewe funksie ten opsigte van die vervaardiging en toetsing van elektriese apparaat uitvoer as 'n inspeksie-owerheid goedkeur.

Danger' thereon is mounted outside on the front of the miniature substation and the doors providing access to the high- and low-voltage sides of the miniature substation are clearly and indelibly marked on the insides H_2 and L_2 , respectively; and

(b) in the case of a high- or low-voltage distribution box, at least one skull and cross bones notice with the words 'Gevaar—Danger' thereon is mounted outside on the front of the high- or low-voltage distribution box and the doors providing access to the high- or low-voltage distribution box are clearly and indelibly marked on the insides H_2 and L_2 , respectively."

31. Regulation C.53 (2) is amended by the substitution in the English version of the word "guarded" for the word "protected".

32. Regulation C.55 is amended by the substitution of the following paragraph for subregulation (1) (f):

"(f) to be provided with adequate fire extinguishing appliances suitable for use on electrical equipment and cause them to be maintained in good working order: Provided that, in the case of unattended transformer and switch houses, suitable fire extinguishing appliances shall only be made available at such houses when work is in progress thereon or therein."

33. Regulation C.57 is amended by the substitution of the expression "1 200 mm" for the words "four feet".

34. Regulation C.58 is amended by—

(i) the substitution of the following heading for the existing heading:

"Electrical Installations in Hazardous Locations.";

(ii) the substitution of the following subregulations for subregulations (1), (2) and (8), respectively:

"(1) The user shall cause all electrical apparatus used or to be used in locations where there is danger of fire or explosion due to the presence, occurrence or development of explosive or flammable articles, or where explosive articles are manufactured, handled or stored, to be selected, with regard to their construction according to a code approved by the Chief Inspector, relating to the classification of hazardous locations and the selection of electrical apparatus for use in such locations.

(2) (a) The user shall ensure that all electrical apparatus selected in terms of subregulation (1) is constructed in accordance with a code of practice approved by the Chief Inspector.

(b) The user shall be in possession of a certificate issued by an inspection authority in which—

(i) the code according to which the apparatus was constructed; and

(ii) the groups of hazardous articles for which the apparatus has been tested, shall be certified and such certification shall be in a form acceptable to the Chief Inspector.

(8) The user shall cause all electrical apparatus to which this regulation applies to be examined by a competent person at intervals not exceeding 12 months. Such person shall enter the results of such examination in a record book which shall be kept by the user for this purpose, and he shall sign each such entry."

(iii) the insertion of the following subregulation after subregulation (8):

"(9) (a) The Chief Inspector may approve of any organisation which performs the prescribed functions in regard to the manufacture and testing of electrical apparatus as an inspection authority.

(b) Die Hoofinspekteur kan vereis dat 'n organisasie aan hom sodanige besonderhede voorlê van sy tegniese uitrusting en middels, die omvang van die kwalifikasies en ondervinding van sy personeel en sodanige ander sake as wat hy nodig ag.

(c) Enige goedkeuring van 'n inspeksie-oowerheid deur die Hoofinspekteur kan te eniger tyd deur hom ingetrek word."

35. Regulasie C.60 word gewysig deur—

(i) in die Afrikaanse teks subregulasie (1) tot en met paragraaf (a) deur die volgende te vervang:

"(1) Geen gebruiker mag vereis of toelaat dat 'n persoon 'n draagbare elektriese lig gebruik nie en geen persoon mag so 'n lig gebruik nie tensy—

(a) dit toegerus is met 'n handvatstel wat sterk is en wat van nie-higroskopiese, nie-geleidende materiaal gemaak is;"

(ii) subregulasie (2) deur die volgende subregulasie te vervang:

"(2) Geen gebruiker mag vereis of toelaat dat enige persoon en geen persoon mag in nat of klam plekke, of in beperkte ruimtes binne-in metaalhouers, of oor die algemeen in aanraking met groot massas metaal, 'n draagbare elektriese lig gebruik nie tensy, benewens die vereistes van subregulasie (1), die lamp gekoppel is aan 'n bron van elektrisiteit wat toegerus is met 'n aardlek-beveiligingstoestel van 'n soort en konstruksie deur die Hoofinspekteur goedgekeur, of die werkspanning van die lamp hoogstens 42 V is, en waar die kragtoevoer van 'n transformator verkry word, moet sodanige transformator aparte wikkelings hê."

36. Regulasie C.61 word gewysig deur—

(i) in subregulasie (1) (b) (iv) die uitdrukking "agt (8) voet" deur die uitdrukking "2 400 mm" te vervang;

(ii) subregulasies (2) (a) en (b) deur onderskeidelik die volgende paragrawe te vervang:

"(a) Geen leweransier mag 'n elektriese toevoer met 'n gebou aansluit, of mag so 'n gebou wat vir die doel van aanbouings of herstelwerk gediskonnekteer is aan die elektriese installasie heraansluit voordat hy homself oortuig het dat alle metaaldakke, -geute, -geutpype en -vuilwaterpype van die gebou en alle ontblote metaaldele van die elektriese installasie geaard is nie: Met dien verstande dat hierdie vereistes nie van toepassing is nie ten opsigte van geboue op persele waar masjinerie gebruik word en waar 'n verantwoordelike persoon kragtens regulasie C.1 aangestel is of aangestel moet word om in algemene beheer van sodanige masjinerie te wees, of enige gebou wat aan die Staat of enige provinsiale administrasie behoort.

(b) Indien die leweransier van enige elektriese installasie in 'n gebou in paragraaf (a) vermeld deur middel van 'n toets vind dat die metaaldakke, -geute, -geutpype en vuilwaterpype van die gebou of ontblote metaaldele van die elektriese installasie nie geaard is nie, moet die leweransier vereis dat die houer of eienaar van sodanige gebou die nodige aarding binne 'n vasgestelde tyd van hoogstens dertig dae moet aanbring. Indien die houer of eienaar versuim om aan die vereistes te voldoen, moet die leweransier die toevoer na sodanige gebou diskonnekteer en die toevoer nie heraansluit voordat die aarding tot sy bevrediging uitgevoer is nie."

37. Regulasies C.63 en C.66 word gewysig deur die uitdrukking "22° F." en die woorde "vyftien pond per vierkante voet" oral waar hulle voorkom, deur onderskeidelik die uitdrukking "5,5° C" en "700 Pa" te vervang.

38. Regulasie C.68 word gewysig deur dit deur die volgende regulasie te vervang:

"C.68. Vry ruimtes.

(b) The Chief Inspector may require an organisation to submit to him such particulars of its technical equipment and resources, the extent of the qualifications and experience of its personnel and such other matters as he may deem necessary.

(c) Any approval of an inspection authority by the Chief Inspector may be withdrawn by him at any time."

35. Regulation C.60 is amended by—

(i) the substitution in the Afrikaans version of the following for subregulation (1) up to and including paragraph (a):

"(1) Geen gebruiker mag vereis of toelaat dat 'n persoon 'n draagbare elektriese lig gebruik nie en geen persoon mag so 'n lig gebruik nie tensy—

(a) dit toegerus is met 'n handvatstel wat sterk is en wat van nie-higroskopiese, nie-geleidende materiaal gemaak is;"

(ii) the substitution of the following subregulation for subregulation (2):

"(2) No user shall require or permit any person to and no person shall use a portable electric light in wet or damp situations, or in closely confined spaces inside metal vessels, or in general in contact with large masses of metal unless, in addition to the requirements contained in subregulation (1), the lamp is connected to a source of electricity supply incorporating an earth leakage protection device of a type and construction approved by the Chief Inspector, or the operating voltage of the lamp does not exceed 42 V, and where the power supply is derived from a transformer such transformer shall have separate windings."

36. Regulation C.61 is amended by—

(i) the substitution in subregulation (1) (b) (iv) of the expression "2 400 mm" for the expression "eight (8) feet";

(ii) the substitution of the following paragraphs for subregulation (2) (a) and (b), respectively:

"(a) No supplier shall connect an electric supply to a building, or reconnect such a building which was disconnected for the purpose of extensions or repairs to the electrical installation, before he has satisfied himself that all metal roofs, gutters, downpipes and waste pipes of the building and all exposed metallic parts of the electric installation are earthed: Provided that these requirements shall not apply to buildings on premises where machinery is used and where a responsible person has been or is required to be appointed under regulation C.1 to be in general charge of such machinery, or any building owned by the State or any Provincial Administration.

(b) If, through a test by the supplier of any electrical installation in a building referred to in paragraph (a) it is found that the metal roofs, gutters, downpipes and waste pipes of the building or exposed metallic parts of the electrical installation are not earthed, the supplier shall require the occupier or owner of such building to effect the necessary earthing within a fixed period of not more than 30 days. Should the occupier or owner fail to comply with such requirements, the supplier shall disconnect the supply to such building and shall not reconnect such supply until the earthing has been carried out to his satisfaction."

37. Regulations C.63 and C.66 are amended by the substitution of the expression "5,5° C" and "700 Pa" for the expression "22° F" and the words "fifteen pounds per square foot", respectively, wherever they occur.

38. Regulation C.68 is amended by the substitution of the following therefor:

"C.68 Clearances.

Die leweransier of gebruiker moet toesien dat—

(i) die minimum vry ruimtes van elektriese geleiers en ander drade van kraglyne, behalwe in die geval van lugverbruiksleidings en lyngeleiers met 'n spanning van hoogstens 650 V en wat bestaan uit geïsoleerde draad van 'n soort wat deur die Hoofinspekteur goedgekeur is, nie minder is as die ruimtes wat in die volgende tabel aangedui word nie:

The supplier or user shall cause—

(i) the minimum clearances of electric conductors and other wires of power lines, except in the case of overhead service mains and line conductors having a tension not exceeding 650 V and consisting of insulated wire of a type approved by the Chief Inspector, to be not less than the clearances indicated in the following table:

Nominale spanning kV fase tot fase	Minimum buitens-huise aardvry-ruimte in meter	Minimum vertikale vry ruimte in meter				Vry ruimte in meter	
		Bokant grond buite dorpsgebiede	Bokant grond binne dorpsgebiede	Bokant paaie in dorpsgebiede, ge-proklameerde paaie buite dorpsgebiede, spoorweë en koekepanweë	Na kommunikasie-lyne, ander kraglyne of tussen kraglyne en vangnette	Na geboue en strukture waarop 'n persoon vry kan staan	Na pale en soortgelyke strukture waarop 'n persoon nie vry kan staan nie
Gearde en tot 0,65.....	—	4,9	5,5	6,1	0,6	3,0	2,4
0,65 tot 6,6.....	0,15	5,0	5,6	6,2	0,7	3,1	2,5
11.....	0,20	5,1	5,7	6,3	0,8	3,2	2,6
22.....	0,32	5,2	5,8	6,4	0,9	3,3	2,7
33.....	0,43	5,3	5,9	6,5	1,0	3,4	2,8
44.....	0,54	5,4	6,0	6,6	1,1	3,5	2,9
66.....	0,77	5,7	6,3	6,9	1,4	3,8	3,2
88.....	1,00	5,9	6,5	7,1	1,6	4,0	3,4
132.....	1,45	6,3	6,9	7,5	2,0	4,4	3,8
220.....	1,85	6,7	7,3	7,9	2,4	4,8	4,2
275.....	2,35	7,2	7,8	8,4	2,9	5,3	4,7
330.....	2,90	7,8	8,4	9,0	3,5	5,9	5,3
400.....	3,20	8,1	8,7	9,3	3,8	6,2	5,6

Nominal tension kV phase to phase	Minimum outdoor earth clearance in metres	Minimum vertical clearances in metres				Clearances in metres	
		Above ground outside townships	Above ground in townships	Above roads in townships, proclaimed roads outside townships, railways and tramways	To communication lines, other power lines or between power lines and cradles	To buildings and structures on which a person can stand unsupported	To poles and similar structures on which a person cannot stand unsupported
Earthed and up to 0,65.....	—	4,9	5,5	6,1	0,6	3,0	2,4
0,65 to 6,6.....	0,15	5,0	5,6	6,2	0,7	3,1	2,5
11.....	0,20	5,1	5,7	6,3	0,8	3,2	2,6
22.....	0,32	5,2	5,8	6,4	0,9	3,3	2,7
33.....	0,43	5,3	5,9	6,5	1,0	3,4	2,8
44.....	0,54	5,4	6,0	6,6	1,1	3,5	2,9
66.....	0,77	5,7	6,3	6,9	1,4	3,8	3,2
88.....	1,00	5,9	6,5	7,1	1,6	4,0	3,4
132.....	1,45	6,3	6,9	7,5	2,0	4,4	3,8
220.....	1,85	6,7	7,3	7,9	2,4	4,8	4,2
275.....	2,35	7,2	7,8	8,4	2,9	5,3	4,7
330.....	2,90	7,8	8,4	9,0	3,5	5,9	5,3
400.....	3,20	8,1	8,7	9,3	3,8	6,2	5,6

Vertikale vry ruimtes moet bepaal word vir 'n minimum geleiertemperatuur van 50° C in stil lug. Waar 'n kraglyn voortdurend by 'n hoër temperatuur as 50° C werk, moet die vry ruimtes, by watter hoër temperatuur die lyn ook mag werk, in ooreenstemming wees met die vry ruimtes soos in bostaande tabel aangedui.

Horisontale vry ruimtes moet vir 'n geleiertemperatuur van 20° C met 'n winddruk van 700 Pa bepaal word;

(ii) die afstand van enige kraglyn vanaf 'n springstofmagasyn minstens 15 m is: Met dien verstande dat 'n inspekteur kan vereis dat dié afstand vergroot word waar die span tussen die stutte van 'n kraglyn meer as 30 m is."

Vertical clearances shall be determined for a minimum conductor temperature of 50° C in still air. Where a transmission line operates continuously at a higher temperature than 50° C, the clearances, at whatever higher temperature the line operates, shall be in accordance with the clearances indicated in the above table.

Horizontal clearances shall be determined for a conductor temperature of 20° C with a wind pressure of 700 Pa;

(ii) the distance of any power line from an explosive magazine to be not less than 15 m: Provided that an inspector may require such distance to be increased where the span between the supports of a power line exceeds 30 m."

39. Regulasie C.69 word gewysig deur subregulasies (1) en (2) deur die volgende subregulasies te vervang:

“(1) Waar ’n kraglyn ’n geproklameerde pad, spoorweg, koekepanweg of kommunikasielyn kruis, moet die leweransier of gebruiker toesien dat die vry ruimtes, behalwe in die geval van onbelangrike kommunikasielyne wat deur die Posmeester-generaal bepaal is, aan die vereistes van regulasie C.68 voldoen en die leweransier of gebruiker moet toesien dat die volgende verdere vereistes nagekom word:

(a) Strukture wat ’n kruisspan stut, moet so ontwerp wees dat hulle die belastinge kan weerstaan wat daarop geplaas mag word as enige geleier of aardgeleier sou breek;

(b) vir sover dit redelik uitvoerbaar is, moet strukture wat kruisspanne stut so geplaas word dat hulle nie aan die diens wat hulle oorkruis, sal raak ingeval hulle sou omval nie;

(c) onderworpe aan die beperking in paragraaf (b), moet een van die strukture wat ’n kruisspan stut so naby as wat redelik uitvoerbaar is aan die kruispunt geplaas word;

(d) geen lasse mag in ’n kruisspan gebruik word nie;

(e) waar ’n kraglyn vir ’n spanning van 40 kV en meer ontwerp is, moet pantserstange of vonkhorings of ringe aan die lewendige ente van die suspensie-isolatorstringe aan minstens die eerste drie strukture aan elke kant van die kruising aangebring word;

(f) waar ’n kraglyn vir ’n spanning van minder as 40 kV maar vir meer as 0,65 kV ontwerp is, moet duplikaatgeleiers aangebring word wat deur duplikaatisolators gestut en met tussenruimtes van minstens 1,5 m aan mekaar verbind is. Vir pen-geïsoleerde lyne moet die duplikaatgeleiers minstens 1,5 m verby die stutte aan elke kant van die kruising strek;

(g) die afwyking van ’n reghoekige kruising oor ’n kommunikasielyn van die Departement van Pos- en Telegraafwese of van die Suid-Afrikaanse Spoorweë- en Hawensadministrasie moet vir lyne met ’n nominale spanning van 40 kV en meer hoogstens 30° en vir lyne van minder as 40 kV hoogstens 45° wees;

(h) waar ’n kraglyn ’n ander kraglyn kruis, moet die vry ruimte voldoen aan die vereistes van regulasie C.68 en moet die bykomende vereistes van paragrafe (b), (c) en (d) van hierdie regulasie nagekom word: Met dien verstande dat die Hoofinspekteur enige afwyking van hierdie vereistes mag goedkeur op sodanige voorwaardes as wat hy bepaal.

(2) Waar lugverbruiksleidings bokant kaal kommunikasielyne van die Departement van Pos- en Telegraafwese kruis, moet die minimum vry ruimte tussen die lugverbruiksleidings en die kommunikasielyne by die kruispunte 0,5 m wees en lugverbruiksleidings mag nie onderkant kaal kommunikasielyne kruis nie. Die leweransier of gebruiker moet toesien dat aan hierdie bepalings voldoen word.”

40. Regulasie C.72 word gewysig deur die laaste sin van subregulasie (2) deur die volgende sin te vervang:

“Waar die produk van die maksimum toelaatbare werkdruk in pascal en die inhoud in kubieke meter van die drukhouer—

(a) die syfer 500 000 nie te bowe gaan nie, is ’n gesamentlike sertifikaat aanvaarbaar;

(b) die syfer 500 000 te bowe gaan, is ’n individuele sertifikaat nodig.”

41. Regulasie C.73 word gewysig deur paragrafe (e) en (f) deur onderskeidelik die volgende paragrafe te vervang:

“(e) maksimum toelaatbare werkdruk in pascals;

(f) inhoud in kubieke meter; en”.

39. Regulation C.69 is amended by the substitution of the following subregulations for subregulations (1) and (2):

“(1) Where a power line crosses a proclaimed road, railway, tramway or communication line, the supplier or user shall cause the clearances, except in the case of unimportant communication lines as defined by the Postmaster General to comply with the requirements of regulation C.68 and the supplier or user shall cause the following further requirements to be observed:

(a) Structures supporting a crossing span shall be designed in such a manner that they will be able to withstand the loads that may be imposed upon them should a breakage of any conductor or earth conductor occur;

(b) as far as it is reasonably practicable, structures supporting crossing spans shall be located in such a manner that they will not touch the service crossed should they topple over;

(c) subject to the restriction in paragraph (b), one of the structures supporting a crossing span shall be located as close to the point of crossing as is reasonably practicable;

(d) no joints shall be used in a crossing span;

(e) where a power line is designed for a tension of 40 kV and above, armour rods or arcing horns or rings shall be fitted to the live ends of the suspension insulator strings on at least the first three structures on each side of the crossing;

(f) where a power line is designed for a tension below 40 kV but above 0,65 kV, duplicate conductors supported on duplicate insulators and tied together at intervals of not less than 1,5 m shall be installed. For pin insulated lines the duplicate conductors shall extend at least 1,5 m beyond the supports on each side of the crossing;

(g) the deviation from a right angle crossing over a communication line of the Department of Posts and Telegraphs, or of the South African Railways and Harbours Administration, shall not be greater than 30° for lines with a nominal tension of 40 kV and above and not greater than 45° for lines below 40 kV;

(h) where a power line crosses another power line, the clearances shall comply with the requirements of Regulation C.68 and the additional requirements of paragraphs (b), (c) and (d) of this regulation shall be observed: Provided that the Chief Inspector may approve of any variation of these requirements on such conditions as he may determine.

(2) Where overhead service mains cross over bare communication lines of the Department of Posts and Telegraphs, the minimum clearances between the overhead service mains and the communication lines at the points of crossing shall be 0,5 m and overhead service mains shall not cross below bare communication lines. The supplier or user shall cause these provisions to be observed.”

40. Regulation C.72 is amended by the substitution of the following sentence for the last sentence of subregulation (2):

“Where the product of the maximum permissible working pressure in pascals and the volume in cubic metres of the pressure vessel—

(a) does not exceed the figure 500 000, a batch certificate is acceptable;

(b) exceeds the figure 500 000, an individual certificate is required.”

41. Regulation C.73 is amended by the substitution of the following paragraphs for paragraphs (e) and (f), respectively:

“(e) maximum permissible working pressure in pascals;

(f) capacity in cubic metres; and”.

42. Regulasie C.77 word gewysig deur in subregulasie (2) die woorde "vyftien duim" en "elf duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "400 mm" en "300 mm" te vervang.

43. Regulasie C.78 word gewysig deur—

(i) die woord "veilige" oral waar dit voorkom deur die woord "toelaatbare" te vervang;

(ii) in subregulasie (1) die woorde "ponde per vierkante duim" deur die woord "pascals" te vervang.

44. Regulasie C.79 word gewysig deur—

(i) die woord "veilige" oral waar dit in subregulasies (2), (3), (4), (5) en (6) voorkom deur die woord "toelaatbare" te vervang;

(ii) in subregulasie (5) die uitdrukking "150 pond per vierkante duim" deur die uitdrukking "1 MPa" te vervang;

(iii) in subregulasie (6) (b) die woord "stoomontvangers" deur die woorde "n drukhouer" en die woord "ontvanger" deur die woord "drukhouer" te vervang.

45. Regulasie C.80 word gewysig deur in subregulasie (2) die uitdrukking "veilige werkdruk van oor 150 pond per vierkante duim" deur die uitdrukking "toelaatbare werkdruk van oor 1 MPa" te vervang.

46. Regulasie C.83 word gewysig deur dit deur die volgende regulasie te vervang:

"C.83 Drukreduksieklep

Die gebruiker moet toesien dat elke drukhouer wat gevoer word vanaf 'n bron waarvan die druk hoër is as die normale werkdruk van sodanige houer, voorsien is van—

(i) 'n drukreduksieklep om die toevoerdruk tot die normale werkdruk van die houer te verminder; en

(ii) 'n veiligheidsklep wat langs aan die laagdruksy van die drukreduksieklep aangebring is en gestel is om by die maksimum toelaatbare werkdruk van die houer oop te gaan en wat van 'n grootte is wat sal voorkom dat die druk oor tien persent bo die maksimum toelaatbare werkdruk styg.

Waar twee of meer drukhouders van dieselfde normale werkdruk aan dieselfde toevoerbron verbind is, is een veiligheidsklep, gestel om die drukhouer met die laagste maksimum toelaatbare werkdruk te ontlast en een drukreduksieklep voldoende."

47. Regulasie C.85 word gewysig deur—

(i) paragraaf (1) (a) deur die volgende paragraaf te vervang:

"(1) (a) Drukhouders waarin die produk van die ontwerpdruk in pascals en die inhoud in kubieke meter die syfer 10 000 te bowe gaan maar nie die syfer 30 000 nie, moet geïnspekteer en getoets word voordat hulle die eerste keer gebruik word."

(ii) daardie gedeelte van paragraaf (1) (b) wat met die syfer "150" eindig deur die volgende sinsnede te vervang:

"Drukhouders waarin die produk van die ontwerpdruk in pascals en die inhoud in kubieke meter die syfer 30 000";

(iii) in paragraaf (2) (b) die woorde "neutrale" en "veilige" en die syfers "1.3" en "1.1" oral waar hulle voorkom deur onderskeidelik die woorde "skadelose" en "toelaatbare" en die syfers "1.3" en "1.1" te vervang.

48. Regulasie C.86 word gewysig deur na die woord "maksimum" oral waar dit voorkom die woord "toelaatbare" in te voeg en die woord "fabrikant" deur die woord "vervaardiger" te vervang.

42. Regulation C.77 is amended by the substitution in subregulation (2) of the expressions "400 mm" and "300 mm" for the words "fifteen inches" and "eleven inches", respectively.

43. Regulation C.78 is amended by—

(i) the substitution of the word "permissible" for the word "safe", wherever it occurs;

(ii) the substitution in subregulation (1) of the word "pascals" for the words "pounds per square inch".

44. Regulation C.79 is amended by—

(i) the substitution of the word "permissible" for the word "safe" wherever it occurs in subregulations (2), (3), (4), (5) and (6);

(ii) the substitution in subregulation (5) of the expression "1 MPa" for the expression "150 pounds per square inch";

(iii) the substitution in subregulation (6) (b) of the words "a pressure vessel" for the words "steam receivers" and the words "pressure vessel" for the word "receiver".

45. Regulation C.80 is amended by the substitution in subregulation (2) of the expression "permissible working pressure exceeding 1 MPa" for the expression "safe working pressure exceeding 150 pounds per square inch".

46. Regulation C.83 is amended by the substitution of the following regulation therefor:

C.83, Reducing Valve

The user shall cause every pressure vessel which is worked from a supply, the pressure of which is higher than the normal working pressure of such vessel, to be provided with—

(i) a pressure reducing valve to reduce the supply pressure to the normal working pressure of the vessel; and

(ii) a safety valve fitted adjacent to the low pressure side of the reducing valve and set to release at the maximum permissible working pressure of the vessel and of such size as to prevent the pressure rising in excess of ten per cent above the maximum permissible working pressure.

Where two or more pressure vessels with the same normal working pressure are connected to the same source of supply, one safety valve set to release the vessel with the lowest maximum permissible working pressure and one reducing valve shall be sufficient."

47. Regulation C.85 is amended by—

(i) the substitution of the following paragraph for paragraph (1) (a):

"(1) (a) Pressure vessels in which the product of the design pressure in pascals and the capacity in cubic metres exceeds the figure 10 000 but does not exceed the figure 30 000, shall be inspected and tested before being used for the first time."

(ii) the substitution of the following phrase for that portion of paragraph (1) (b) ending with the figure "150":

"Pressure vessels in which the product of the design pressure in pascals and the capacity in cubic metres exceeds the figure 30 000";

(iii) the substitution in paragraph (2) (b) of the words "harmless" and "permissible" and the figures "1.3" and "1.1" for the words "neutral" and "safe" and the figures "1.3" and "1.1", respectively, wherever they occur.

48. Regulation C.86 is amended by the insertion of the word "permissible" after the word "maximum", wherever it occurs, and the substitution in the Afrikaans version, of the word "vervaardiger" for the word "fabrikant".

49. Regulاسie C.92 word gewysig deur in die Afrikaanse teks in subregulasie (1) die woord "aansoekgelde" deur die woord "gelde" en in subregulasie (2) (a) die woord "fabrikant" deur die woord "vervaardiger" te vervang.

50. Regulاسie C.95 word gewysig deur—

(i) subregulasie (1) deur die volgende subregulasie te vervang:

"(1) Die naam van die vervaardiger, die fabrieksnommer, die jaar van vervaardiging en die ontwerpdruck in pascals moet op die wand van elke nuwe stoomketel gestempel word. Dié besonderhede moet só geplaas wees dat hulle te alle tye maklik gesien kan word."

(ii) in subregulasie (2) die woorde "vier by twee en 'n half by een agste duim" en "drie agste duim" deur onderskeidelik die uitdrukkings "100 mm by 60 mm by 3,1 mm" en "10 mm" te vervang.

51. Regulاسie C.96 word gewysig deur die woorde "drie voet" en "ses duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "900 mm" en "150 mm" te vervang.

52. Regulاسie C.97 (7) word gewysig deur paragrawe (a) en (b) deur onderskeidelik die volgende paragrawe te vervang:

"(a) met 'n gemagtigde werkdruck van hoogstens 500 kPa moet twee maal die gemagtigde werkdruck wees;

(b) met 'n gemagtigde werkdruck van oor 500 kPa moet 1,2 maal die gemagtigde werkdruck wees plus 400 kPa."

53. Regulاسie C.99 word gewysig deur die volgende subregulasie aan die einde daarvan in te voeg:

"(6) Geen gebruiker mag sonder die voorafgaande skriftelike goedkeuring van 'n inspekteur enige wysiging aan 'n stoomketel aanbring nie en die gebruiker moet die inspekteur voorsien van volledige besonderhede van enige voorgestelde wysigings en van sodanige tekenings as wat nodig mag wees."

54. Regulاسie C.100 word gewysig deur subregulasie (1) (a) deur die volgende paragraaf te vervang:

"(a) Vir elke voorwaardelike permit of elke registrasiesertifikaat aan hom uitgereik ten opsigte van 'n stoomketel met 'n roosteroppervlak van—

tot en met 0,15 m ²	R 2
oor 0,15 m ² en tot en met 0,75 m ²	4
oor 0,75 m ² en tot en met 2,5 m ²	8
oor 2,5 m ² en tot en met 5 m ²	12
oor 5 m ² en tot en met 20 m ²	16
oor 20 m ²	20:

Met dien verstande dat in die geval van 'n stoomketel wat geen standaardroosteroppervlak het nie, behalwe 'n elektriese verhitte stoomketel, gelde op ondergenoemde grondslag betaalbaar is:

Vir 'n stoomketel met 'n verhittingsvlak van—

tot en met 5 m ²	R 2
oor 5 m ² en tot en met 25 m ²	4
oor 25 m ² en tot en met 75 m ²	8
oor 75 m ² en tot en met 150 m ²	12
oor 150 m ² en tot en met 600 m ²	16
oor 600 m ²	20:

Voorts met dien verstande dat in die geval van 'n elektriese verhitte stoomketel 'n bedrag van R2 betaalbaar is. Waar 'n voorwaardelike permit uitgereik is vir die gebruik van 'n stoomketel, is verdere gelde nie betaalbaar vir die latere uitreiking van 'n registrasiesertifikaat nie;"

49. Regulation C.92 is amended by the substitution, in the Afrikaans version, in subregulation (1) of the word "gelde" for the word "aansoekgelde" and in subregulation (2) (a) of the word "vervaardiger" for the word "fabrikant".

50. Regulation C.95 is amended by—

(i) the substitution of the following subregulation for subregulation (1):

"(1) The name of the maker, the factory number, the year of construction and the design pressure in pascals shall be stamped on the shell of every new boiler. These particulars shall be so placed that they can be easily seen at all times."

(ii) the substitution in subregulation (2) of the expressions "100 mm by 60 mm by 3,1 mm" and "10 mm" for the words "four by two and a half by one-eighth inches" and "three-eighths of an inch", respectively.

51. Regulation C.96 is amended by the substitution of the expressions "900 mm" and "150 mm" for the words "three feet" and "six inches", respectively, wherever they occur.

52. Regulation C.97 (7) is amended by the substitution of the following paragraphs for paragraphs (a) and (b), respectively:

"(a) having an authorised working gauge pressure not exceeding 500 kPa shall be double the authorised working gauge pressure;

(b) having an authorised working gauge pressure exceeding 500 kPa shall be 1,2 times the authorised working gauge pressure plus 400 kPa."

53. Regulation C.99 is amended by the insertion of the following subregulation at the end thereof:

"(6) No user shall effect any modification to a boiler without the prior written approval of an inspector and the user shall provide such inspector with full details of any proposed modifications and with such drawings as may be required."

54. Regulation C.100 is amended by the substitution of the following paragraph for subregulation (1) (a):

"(a) For each provisional permit or each registration certificate issued to him in respect of a boiler with a grate area of—

up to and including 0,15 m ²	R 2
over 0,15 m ² and up to and including 0,75 m ²	4
over 0,75 m ² and up to and including 2,5 m ²	8
over 2,5 m ² and up to and including 5 m ²	12
over 5 m ² and up to and including 20 m ²	16
over 20 m ²	20:

Provided that in the case of a boiler which has no standard grate area, other than an electrically heated boiler, fees shall be payable on the following basis:

For a boiler with a heating surface of—

up to and including 5 m ²	R 2
over 5 m ² and up to and including 25 m ²	4
over 25 m ² and up to and including 75 m ²	8
over 75 m ² and up to and including 150 m ²	12
over 150 m ² and up to and including 600 m ²	16
over 600 m ²	20:

Provided further that, in the case of an electrically heated boiler, a fee of R2 shall be payable. Where a provisional permit has been issued to permit a boiler to be used, further fees shall not be payable for the subsequent issue of the registration certificate."

55. Regulasie C.101 word gewysig deur—

(i) in subregulasie (1) die woorde “drie duim” deur die uitdrukking “75 mm” te vervang;

(ii) in subregulasie (3) (a) die woorde “twee duim” en “drie voet” deur onderskeidelik die uitdrukking “50 mm” en “900 mm” en die punt aan die einde van die paragraaf deur ’n kommapunt te vervang en die volgende verdere voorbehoud daarna in te voeg:

“Met dien verstande voorts dat ketels van die elektrode tipe waarin water die geleidende medium is nie van waterpeilers voorsien hoef te wees nie.”;

(iii) in subregulasie (3) (b) die woorde “twee duim” en “drie voet” deur onderskeidelik die uitdrukking “50 mm” en “900 mm” te vervang;

(iv) in subregulasie (3) (e) die woorde “twintig gellings” deur die uitdrukking “0,1 m³” te vervang; en

(v) die punt aan die einde van subregulasie (3) (h) deur ’n kommapunt te vervang en die volgende voorbehoud daarna in te voeg:

“Met dien verstande dat ’n inspekteur ander betroubare middels kan goedkeur om die hoogte van die water van enige ander gerieflike plek af waar te neem.”.

56. Regulasie C.102 word gewysig deur—

(i) in subregulasies (1) en (4) (a) die woorde “twintig gellings” deur die uitdrukking “0,1 m³” te vervang;

(ii) in subregulasie (4) (c) die woorde “ponde per vierkante duim” en “ponde” deur onderskeidelik die woord “megapascal” en die uitdrukking “kilogram” en die uitdrukking “veertigduisend (40 000)” deur die syfer “125” te vervang.

57. Regulasie C.104 word gewysig deur die volgende subregulasie aan die einde in te voeg:

“(3) (a) Outomaties beheerde olie- of gasverhitte stoomketels moet voorsien wees van twee onafhanklike middels om in geval van ’n tekort aan water die hittebron te isoleer.

(b) Stoomketels van die elektrode tipe waarin water die geleidende medium is, hoef nie van laewaterstandalarms voorsien te wees nie.

(c) ’n Stoomketel wat met ’n outomatiese steenkoolstoker toegerus is, moet van minstens een betroubare middel voorsien wees om in geval van ’n tekort aan water die steenkooltoevoer en waaers outomaties te stop.”.

58. Regulasie C.105 word gewysig deur in subregulasie (4) (a) die woorde “twintig gellings” deur die uitdrukking “0,1 m³” te vervang.

59. Regulasies C.106 en C.107 word gewysig deur in subregulasie (3) van elk die uitdrukking “150 pond per vierkante duim” deur die uitdrukking “1 MPa” te vervang.

60. Regulasie C.108 word gewysig deur in subregulasie (3) die uitdrukking “450 pond per vierkante duim” deur die uitdrukking “3 MPa” te vervang.

61. Regulasie C.109 word gewysig deur die vervanging in subregulasie (1) van die woorde “ponde per vierkante duim” deur die woord “pascals”, die vervanging van die punt aan die einde van die paragraaf deur ’n dubbelpunt en die invoeging van die volgende voorbehoud daarna:

“Met dien verstande dat ’n inspekteur ander betroubare middels kan goedkeur om die druk in ’n stoomketel van enige ander gerieflike plek af waar te neem.”.

55. Regulation C.101 is amended by—

(i) the substitution in subregulation (1) of the expression “75 mm” for the words “three inches”;

(ii) the substitution in subregulation (3) (a) of the expressions “50 mm” and “900 mm” for the words “two inches” and “three feet”, respectively, the substitution of a semicolon for the full stop at the end of the paragraph and the insertion of the following further proviso thereafter:

“Provided further that electrode-type boilers in which water is the conducting medium need not be provided with water gauges.”;

(iii) the substitution in subregulation (3) (b) of the expressions “50 mm” and “900 mm” for the words “two inches” and “three feet”, respectively;

(iv) the substitution in subregulation (3) (e) of the expression “0,1 m³” for the words “twenty gallons”; and

(v) the substitution of a colon for the full stop at the end of subregulation (3) (h) and the insertion of the following proviso thereafter:

“Provided that an inspector may approve other reliable means for observing the water level from any other convenient position.”.

56. Regulation C.102 is amended by—

(i) the substitution in subregulations (1) and (4) (a) of the expression “0,1 m³” for the words “twenty gallons”; and

(ii) the substitution in subregulation (4) (c) of the expressions “megapascals” and “kilograms” for the words “pounds per square inch” and “pounds”, respectively, and of the expression “125” for the words “forty thousand (40 000)”.

57. Regulation C.104 is amended by the insertion of the following subregulation at the end thereof:

“(3) (a) Automatically controlled oil or gas heated boilers shall be provided with two independent means of isolating the source of heat in the case of a deficiency of water.

(b) Electrode type boilers in which water is the conducting medium need not be provided with low water alarms.

(c) A boiler provided with an automatic coal stoker shall be provided with at least one reliable means for automatically stopping the coal supply and fans in case of a deficiency of water.”.

58. Regulation C.105 is amended by the substitution in subregulation (4) (a) of the expression “0,1 m³” for the words “twenty gallons”.

59. Regulations C.106 and C.107 are amended by the substitution in subregulation (3) of each of the expression “1 MPa” for the words “150 pounds per square inch”.

60. Regulation C.108 is amended by the substitution in subregulation (3) of the expression “3 MPa” for the expression “450 pounds per square inch”.

61. Regulation C.109 is amended by the substitution in subregulation (1) of the word “pascals” for the words “pounds per square inch”, the substitution of a colon for the full stop at the end of the paragraph and the insertion of the following proviso thereafter:

“Provided that an inspector may approve other reliable means for observing the pressure in a boiler from any other convenient position.”.

62. Regulasie C.110 word gewysig deur in subregulasies (1) en (2) die woorde "vierhonderd pond per vierkante duim", "een en vyf-agste duim", "drie sestiendes van 'n duim" en "drie agstes van 'n duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "2,8 MPa", "40 mm", "5 mm" en "10 mm" te vervang.

63. Regulasie C.112 word gewysig deur in subregulasie (2) die woorde "vyftien duim" en "elf duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "400 mm" en "300 mm" te vervang.

64. Regulasie C.114 word gewysig deur in subregulasie (1) die woord "geldbedrag" deur die woord "geld" en in subregulasie (2) (a) die woorde "een duim op vier voet" deur die uitdrukking "1:50" te vervang.

65. Regulasie C.116 word gewysig deur in subregulasie (5) (e) die woord "voet" deur die uitdrukking "300 mm" te vervang en na die woord "onderteken" die woorde "en gedateer" in te voeg.

66. Regulasie C.117 word gewysig deur subregulasie (1) (b) deur die volgende paragraaf te vervang:

"(b) die maksimum massalas in kilogram;"

67. Regulasie C.119 word gewysig deur—

(i) in subregulasie (1) die woord "gewig" oral waar dit voorkom deur die woord "massa" en die uitdrukking "150 pond" deur die uitdrukking "70 kg" te vervang;

(ii) subregulasie (2) deur die volgende subregulasie te vervang:

"(2) die vloeroppervlakte van 'n hysbak (sitplekke buite rekening gelaat) mag nie meer wees as die oppervlakte wat teenoor die maksimum gemagtigde las in onderstaande tabel aangetoon word nie:

62. Regulation C.110 is amended by the substitution in subregulations (1) and (2) of the expressions "2,8 MPa", "40 mm", "5 mm" and "10 mm" for the words "four hundred pounds per square inch", "one and five-eighths inches", "three-sixteenths of an inch" and "three-eighths inch", respectively, wherever they occur.

63. Regulation C.112 is amended by the substitution in subregulation (2) of the expressions "400 mm" and "300 mm" for the words "fifteen inches" and "eleven inches", respectively, wherever they occur.

64. Regulation C.114 is amended by the substitution in the Afrikaans version of subregulation (1) of the word "geld" for the word "geldbedrag" and in the English version of subregulation (2) (a) of the expression "1:50" for the words "one inch to four feet".

65. Regulation C.116 is amended by the substitution in subregulation (5) (e) of the expression "300 mm" for the word "foot" and the insertion of the words "and dated" after the word "signed".

66. Regulation C.117 is amended by the substitution of the following paragraph for subregulation (1) (b):

"(b) the maximum mass load in kilograms;"

67. Regulation C.119 is amended by—

(i) the substitution in subregulation (1) of the word, "mass" for the word "weight", wherever it occurs, and the expression "70 kg" for the expression "150 pounds";

(ii) the substitution of the following subregulation for subregulation (2):

"(2) The car floor area of an elevator (disregarding any seat) shall be not greater than the area shown opposite the maximum authorised load in the following table:

Maksimum gemagtigde massalas		Maksimum oppervlakte van hysbak-vloer (m ²)	Maksimum gemagtigde massalas		Maksimum oppervlakte van hysbak-vloer (m ²)
kg	persone		kg	persone	
140	2	0,53	2 170	31	4,57
210	3	0,71	2 240	32	4,69
280	4	0,90	2 310	33	4,80
350	5	1,08	2 380	34	4,92
420	6	1,26	2 450	35	5,04
490	7	1,40	2 520	36	5,15
560	8	1,57	2 590	37	5,26
630	9	1,74	2 660	38	5,37
700	10	1,87	2 730	39	5,48
770	11	2,02	2 800	40	5,59
840	12	2,16	2 870	41	5,70
910	13	2,30	2 940	42	5,81
980	14	2,43	3 010	43	5,92
1 050	15	2,55	3 080	44	6,02
1 120	16	2,68	3 150	45	6,13
1 190	17	2,81	3 220	46	6,24
1 260	18	2,94	3 290	47	6,35
1 330	19	3,06	3 360	48	6,45
1 400	20	3,20	3 430	49	6,56
1 470	21	3,32	3 500	50	6,66
1 540	22	3,45	3 570	51	6,76
1 610	23	3,58	3 640	52	6,85
1 680	24	3,71	3 710	53	6,96
1 750	25	3,84	3 780	54	7,05
1 820	26	3,96	3 850	55	7,15
1 890	27	4,09	3 920	56	7,25
1 960	28	4,21	3 990	57	7,36
2 030	29	4,33	4 060	58	7,46
2 100	30	4,45	4 130	59	7,56
			4 200	60	7,66

Maximum authorised massload		Maximum car floor area (m ²)	Maximum authorised mass load		Maximum car floor area (m ²)
kg	persons		kg	persons	
140	2	0,53	2 170	31	4,57
210	3	0,71	2 240	32	4,69
280	4	0,90	2 310	33	4,80
350	5	1,08	2 380	34	4,92
420	6	1,26	2 450	35	5,04
490	7	1,40	2 520	36	5,15
560	8	1,57	2 590	37	5,26
630	9	1,74	2 660	38	5,37
700	10	1,87	2 730	39	5,48
770	11	2,02	2 800	40	5,59
840	12	2,16	2 870	41	5,70
910	13	2,30	2 940	42	5,81
980	14	2,43	3 010	43	5,92
1 050	15	2,55	3 080	44	6,02
1 120	16	2,68	3 150	45	6,13
1 190	17	2,81	3 220	46	6,24
1 260	18	2,94	3 290	47	6,35
1 330	19	3,06	3 360	48	6,45
1 400	20	3,20	3 430	49	6,56
1 470	21	3,32	3 500	50	6,66
1 540	22	3,45	3 570	51	6,76
1 610	23	3,58	3 640	52	6,85
1 680	24	3,71	3 710	53	6,96
1 750	25	3,84	3 780	54	7,05
1 820	26	3,96	3 850	55	7,15
1 890	27	4,09	3 920	56	7,25
1 960	28	4,21	3 990	57	7,36
2 030	29	4,33	4 060	58	7,46
2 100	30	4,45	4 130	59	7,56
			4 200	60	7,66

68. Regulasie C.123 word gewysig deur in subregulasies (1) en (2) die woord "aansoekgeld" deur die woord "gelde" te vervang.

69. Regulasie C.124 word gewysig deur die woorde "sewe voet" en "een en 'n half duim" deur onderskeidelik "2 100 mm" en "38 mm" te vervang.

70. Regulasie C.125 word gewysig deur die woorde "sewe voet" deur die uitdrukking "2 000 mm" te vervang.

71. Regulasie C.128 word gewysig deur—

(i) in subregulasie (5) die woorde "eenhonderd voet per minuut" deur die uitdrukking "0,5 m/s" te vervang; en

(ii) in subregulasie (7) die woorde "twaalf duim" en "sewe voet" deur onderskeidelik die uitdrukkings "300 mm" en "2 100 mm" te vervang.

72. Regulasie C.129 word gewysig deur die woorde "een en 'n half duim" deur die uitdrukking "38 mm" te vervang.

73. Regulasie C.130 word gewysig deur—

(i) voor die woord "Hysers" die syfer "(1)" in te voeg; en

(ii) die woorde "driehonderd-en-vyftig voet per minuut" oral waar hulle voorkom deur die uitdrukking "1,8 m/s" te vervang.

74. Regulasie C.131 word gewysig deur in subregulasie (2) die woorde "vyf voet" deur die uitdrukking "1 500 mm" te vervang.

75. Regulasie C.132 word gewysig deur die woorde "sewe voet" deur die uitdrukking "2 100 mm" te vervang.

76. Regulasie C.133 word gewysig deur—

(i) in subregulasie (1) die woorde "twee voet" deur die uitdrukking "600 mm";

(ii) in subregulasie (2) die woorde "twaalf duim" deur die uitdrukking "300 mm";

(iii) in subregulasie (3) die woorde "drie voet" deur die uitdrukking "900 mm";

(iv) in subregulasie (4) die woorde "een duim", "n half duim", "een en 'n kwart duim", "twee duim" en "driekwart duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "25 mm", "12 mm", "35 mm", "50 mm" en "20 mm"; en

68. Regulation C.123 is amended by the substitution in the Afrikaans version of subregulations (1) and (2) of the word "gelde" for the word "aansoekgeld".

69. Regulation C.124 is amended by the substitution of the expressions "2 100 mm" and "38 mm" for the words "seven feet" and "one and one-half inches", respectively.

70. Regulation C.125 is amended by the substitution of the expression "2 000 mm" for the words "seven feet".

71. Regulation C.128 is amended by—

(i) the substitution in subregulation (5) of the expression "0,5 m/s" for the words "one hundred feet per minute"; and

(ii) the substitution in subregulation (7) of the expressions "300 mm" and "2 100 mm" for the words "twelve inches" and "seven feet", respectively.

72. Regulation C.129 is amended by the substitution of the expression "38 mm" for the words "one and one-half inches".

73. Regulation C.130 is amended by—

(i) the insertion of the figure "1" before the word "Hysers" in the Afrikaans version; and

(ii) the substitution of the expression "1,8 m/s" for the expression "three hundred and fifty feet per minute" and "350 feet per minute".

74. Regulation C.131 is amended by the substitution in subregulation (2) of the expression "1 500 mm" for the words "five feet".

75. Regulation C.132 is amended by the substitution of the expression "2 100 mm" for the words "seven feet".

76. Regulation C.133 is amended by the substitution—

(i) in subregulation (1) of the expression "600 mm" for the words "two feet";

(ii) in subregulation (2) of the expression "300 mm" for the words "twelve inches";

(iii) in subregulation (3) of the expression "900 mm" for the words "three feet";

(iv) in subregulation (4) of the expressions "25 mm", "12 mm", "35 mm", "50 mm" and "20 mm" for the words "one inch", "one half inch", "one and one quarter inches", "two inches" and "three quarters of an inch", respectively, wherever they occur; and

(v) in subregulasie (5) die woorde "vier duim" deur die uitdrukking "100 mm",

te vervang.

77. Regulasie C.134 word gewysig deur—

(i) die woorde "een voet" deur die uitdrukking "300 mm"; en

(ii) die woorde "'n voet" deur die uitdrukking "300 mm" en die woord "hok" deur die woord "hysbak",

te vervang.

78. Regulasie C.138 word gewysig deur subregulasie (4) deur die volgende subregulasie te vervang:

"(4) Alle hysbakdeure of -hekke moet minstens 2 000 mm hoog wees en hysbakdeure van die tralietype moet boonop voorsien wees van vollengte-stange of -paaltjies wat so gespaseer is dat die opening tussen enige twee vertikale dele hoogstens 50 mm is."

79. Regulasie C.139 word gewysig deur die woord "vloere" deur die woord "uittreeplekke" te vervang.

80. Regulasie C.141 word gewysig deur—

(i) subregulasie (1) die woorde "eenhonderd-en-veertig pond gewig" deur die uitdrukking "70 kg" te vervang; en

(ii) in subregulasie (3) die woorde "tweehonderd vyf-en-twintig voet per minuut" deur die uitdrukking "1,1 m/s" te vervang.

81. Regulasie C.154 word gewysig deur—

(i) in paragraaf (1) die woorde "twee voet" deur die uitdrukking "600 mm";

(ii) in paragraaf (2) die woorde "sewe voet" deur die uitdrukking "2 100 mm";

(iii) in paragraaf (6) die woorde "agt voet" deur die uitdrukking "2 500 mm";

(iv) in paragraaf (8) die woorde "vier-en-twintig duim", "ses-en-dertig duim" en "twee-en-veertig duim" deur onderskeidelik die uitdrukkings "600 mm", "900 mm" en "1 100 mm";

(v) in paragraaf (10) die woorde "vyftien voetkerse" deur die uitdrukking "160 lx"; en

(vi) in paragraaf (12) die woorde "dertig lumens per vierkante voet" deur die uitdrukking "320 lx", te vervang.

82. Regulasie C.156 (3) (a) (ii) word gewysig deur die woord "gewig" deur die woord "massa" te vervang.

83. Regulasie C.166 word gewysig deur die woorde "eenhonderd vyf-en-twintig voet per minuut" deur die uitdrukking "0,64 m/s" te vervang.

84. Regulasie D.3 word gewysig deur dit deur die volgende te vervang:

"(1) 'n Boumeester moet toesien dat alle bouwerk verrig word onder die algemene toesig van 'n verantwoordelike persoon wat 'n bevoegde persoon moet wees en wat skriftelik deur hom aangestel moet word.

(2) Die Hoofinspekteur kan, met inagneming van die omvang van enige bouwerk en onderworpe aan sodanige voorwaardes as wat hy mag bepaal, die aanstelling deur 'n boumeester van meer as een verantwoordelike persoon goedkeur.

(v) in subregulasie (5) of the expression "100 mm" for the words "four inches".

77. Regulation C.134 is amended by the substitution—

(i) of the expression "300 mm" for the words "one foot", wherever they occur; and

(ii) in the Afrikaans version of the expression "300 mm" for the words "'n voet" and the word "hysbak" for the word "hok".

78. Regulation C.138 is amended by the substitution of the following subregulation for subregulation (4):

"(4) All elevator doors or gates shall be at least 2 000 mm in height and all lattice-type car gates shall, in addition, be provided with full-length midbars or pickets so spaced that the opening between any two vertical members does not exceed 50 mm."

79. Regulation C.139 is amended by the substitution of the word "landings" for the word "floors".

80. Regulation C.141 is amended by—

(i) the substitution in subregulation (1) of the expression "70 kg" for the words "one hundred and fifty pounds weight"; and

(ii) the substitution in subregulation (3) of the expression "1,1 m/s" for the words "two hundred and twenty-five feet per minute".

81. Regulation C.154 is amended by the substitution—

(i) in paragraph (1) of the expression "600 mm" for the words "two feet";

(ii) in paragraph (2) of the expression "2 100 mm" for the words "seven feet";

(iii) in paragraph (6) of the expression "2 500 mm" for the words "eight feet";

(iv) in paragraph (8) of the expressions "600 mm", "900 mm" and "1 100 mm" for the words "twenty-four inches", "thirty-six inches" and "forty-two inches", respectively;

(v) in paragraph (10) of the expression "160 lx" for the words "fifteen foot-candles"; and

(vi) in paragraph (12) of the expression "320 lx" for the words "30 lumens per square foot".

82. Regulation C.156 (3) (a) (ii) is amended by the substitution of the word "mass" for the word "weight".

83. Regulation C.166 is amended by the substitution of the expression "0,64 m/s" for the words "one hundred and twenty-five feet per minute".

84. Regulation D.3 is amended by the substitution of the following subregulations therefor:

"(1) A builder shall cause all building work to be performed under the general supervision of a responsible person who shall be a competent person and who shall be appointed by him in writing.

(2) The Chief Inspector may, having regard to the extent of any building work and subject to such conditions as he may impose, approve of the appointment by a builder of more than one responsible person.

(3) (a) 'n Boumeester kan een of meer ondergeskikte bevoegde persone aanstel om die verantwoordelike persoon te help. Elke sodanige ondergeskikte bevoegde persoon beklee, in 'n mate wat deur die boumeester duidelik in sy aanstellingsbrief omskryf moet word, dieselfde verantwoordelikheid as die verantwoordelike persoon: Met dien verstande dat die aanstelling van so 'n ondergeskikte bevoegde persoon nie die verantwoordelike persoon van enige persoonlike verantwoordelikheid ingevolge hierdie regulasies onthef nie.

(b) Die Hoofinspekteur kan van enige boumeester vereis om een of meer ondergeskikte bevoegde persone aan te stel om die verantwoordelike persoon te help waar, na sy mening, met inagneming van die omvang van die bouwerk, dit wenslik is dat sodanige ondergeskikte bevoegde persone aangestel word, en die bepalings van paragraaf (a) is dan van toepassing.

(c) Die Hoofinspekteur kan, met inagneming van die aard en hoeveelheid van die masjinerie wat in verband met enige bouwerk gebruik word, van enige boumeester vereis dat hy kragtens regulasie C.1 'n verantwoordelike persoon aanstel wat algemeen verantwoordelik is vir sodanige masjinerie.

(4) 'n Persoon wat kragtens hierdie regulasie aangestel is, moet toesig uitoefen oor die bouwerk waarvoor hy verantwoordelik is en moet verseker dat—

(a) die bepalings van hierdie regulasies nagekom word;

(b) al die toerusting en masjinerie in goeie toestand gehou en behoorlik gebruik word; en

(c) die werk op 'n veilige wyse verrig word en ooreenkomstig die ontwerpe en spesifikasies wat deur die toepaslike owerheid goedgekeur is.”.

85. Regulasie D.4 word gewysig deur in subregulasie (1) (c) die woorde “drie voet” en “drie voet ses duim” deur die uitdrukkings “900 mm” en “1 100 mm” te vervang.

86. Regulasie D.6 word gewysig deur—

(i) die opskrif “STEIERS” deur die opskrif “STEIERRAAMWERK” te vervang;

(ii) subregulasie (1) (b) en (c) deur die volgende paragrawe te vervang:

“(b) (i) toesien dat staanders wat van staal gemaak is, nie meer as 1,8 m, 2,4 m en 3 m in die geval van onderskeidelik hoë, middelmatige en lae massalaste van mekaar af gespasieer word nie en, indien hulle van hout gemaak is, nie meer as 3 m nie;

(ii) toesien dat steierbalke nie meer as 2,1 m vertikaal van mekaar af gespasieer word nie;

(iii) toesien dat kortelings of dwarsbalke nie meer as 1,5 m, 1,8 m en 2,4 m in die geval van onderskeidelik hoë, middelmatige en lae massalaste van mekaar af gespasieer word nie.

Vir die doel van hierdie subregulasie beteken hoë, middelmatige en lae massalaste, massalaste van onderskeidelik hoogstens 375, 250 en 125 kg/m²;

(c) toesien dat elke deel van 'n steierraam wat van hout gemaak is 'n diameter van minstens 75 mm of 'n deursnee van gelyke sterkte het.”;

(iii) in subregulasie (3) (a) die uitdrukking “80 voet” deur die uitdrukking “25 m” te vervang.

(3) (a) A builder may appoint one or more subordinate competent persons to assist the responsible person. Each such subordinate competent person shall, to an extent which shall be clearly defined by the builder in his letter of appointment, have the same responsibility as the responsible person: Provided that the appointment of such subordinate competent person shall not relieve the responsible person of any personal responsibility under these regulations.

(b) The Chief Inspector may require any builder to appoint one or more subordinate competent persons to assist the responsible person where, in his opinion, having regard to the extent of the building work, it is desirable that such subordinate competent person be appointed, and the provisions of paragraph (a) shall then apply.

(c) The Chief Inspector may, having regard to the nature and amount of the machinery used in connection with any building work, require the builder to appoint a responsible person in terms of Regulation C.1 to be in general charge of such machinery.

(4) A person appointed in terms of this regulation, shall exercise supervision over the building work for which he is responsible and shall ensure that—

(a) the provisions of these regulations are complied with;

(b) all plant and machinery are maintained in good condition and are properly used; and

(c) the work is carried out in a safe manner and in accordance with the designs and specifications as approved by the appropriate authority.”.

85. Regulation D.4 is amended by the substitution in subregulation (1) (c) of the expressions “900 mm” and “1 100 mm” for the words “three feet” and “three feet six inches”.

86. Regulation D.6 is amended by—

(i) the substitution of the heading “SCAFFOLD FRAMEWORK” for the heading “SCAFFOLDS”;

(ii) the substitution of the following paragraphs for subregulation (1) (b) and (c):

“(b) (i) standards to be spaced not more than 1,8 m, 2,4 m and 3 m apart in the case of high, medium and low mass loads, respectively, if constructed of steel, and not more than 3 m apart if constructed of timber;

(ii) ledgers to be spaced not more than 2,1 m apart vertically;

(iii) putlogs or transoms to be spaced not more than 1,5 m, 1,8 m and 2,4 m apart in the case of high, medium and low mass loads, respectively.

For the purpose of this subregulation high, medium and low loads shall mean mass loads of not more than 375, 250 and 125 kg/m², respectively;

(c) every member of a scaffold frame which is constructed of timber to have a diameter of not less than 75 mm or to have a section of equivalent strength.”;

(iii) the substitution in subregulation (3) (a) of the expression “25 m” for the expression “80 feet”.

87. Regulasie D.7 word gewysig deur—

(i) die opskrif "PLATFORMS" deur die opskrif "STEIERPLATFORMS" te vervang;

(ii) in subregulasie (1) (a) die woorde "nege duim" en "een en 'n half duim" deur onderskeidelik die uitdrukkings "228 mm" en "38 mm" te vervang;

(iii) in subregulasie (1) (b) die woorde "ses duim" en "nege duim" deur onderskeidelik die uitdrukkings "150 mm" en "230 mm" te vervang;

(iv) in subregulasie (2) (a) die woorde "drie voet" en "agtien duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "912 mm" en "456 mm" te vervang en die sinsnede "of waar lae massalaste soos in regulasie D.6 (1) (b) omskryf, ondersteun word," na die woord "loopplank" in te voeg;

(v) in subregulasie (2) (b) die woorde "ses voet ses duim", "drie voet", "drie voet ses duim", "ses duim" en "een duim" deur onderskeidelik die uitdrukkings "2 m", "900 mm", "1 100 mm", "150 mm" en "25 mm" te vervang;

(vi) in subregulasie (2) (c) die woorde "drie duim" en "twaalf duim" deur onderskeidelik die uitdrukkings "75 mm" en "300 mm" te vervang; en

(vii) in subregulasies (3), (4) en (5) die woorde "twee voet" en "drie voet" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "600 mm" en "900 mm" te vervang.

88. Regulasie D.8 word gewysig deur in subregulasie (2) die woorde "nege duim" en "ses voet ses duim" deur onderskeidelik die uitdrukkings "230 mm" en "2 m" te vervang.

89. Regulasie D.9 word gewysig deur—

(i) die volgende voorbehoud aan die einde van subregulasie (1) (b) in te voeg:

"Met dien verstande dat in die geval van kraanbalke wat deur gewigte geanker is, die inrigting daarvan deur 'n inspekteur goedgekeur moet word;"

(ii) in subregulasie (4) (a) die uitdrukkings "18 duim" en "36 duim" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "456 mm" en "912 mm" te vervang;

(iii) in subregulasie (4) (c) die woorde "drie voet" en "drie voet ses duim" en die uitdrukking "2 voet 6 duim" deur onderskeidelik die uitdrukkings "900 mm", "1 100 mm" en "750 mm" te vervang; en

(iv) in subregulasie (4) (d) die woorde "ses duim", "een duim" en "twee duim" deur onderskeidelik die uitdrukkings "150 mm", "25 mm" en "50 mm" te vervang.

90. Regulasie D.12 word gewysig deur die woorde "tien voet" deur die uitdrukking "3 m" te vervang.

91. Regulasie D.15 word gewysig deur in subregulasie (1) die woorde "drie voet", "sewe voet" en "ses voet" deur onderskeidelik die uitdrukkings "900 mm", "2 100 mm" en "1 800 mm" te vervang.

92. Regulasie D.16 word gewysig deur—

(i) in subregulasies (1), (2), (6) en (9) die woorde "twee voet" en "vyf voet" en die uitdrukking "150 voet" oral waar hulle voorkom deur onderskeidelik die uitdrukkings "600 mm", "1,5 m" en "50 m" te vervang;

87. Regulation D.7 is amended by—

(i) the substitution of the heading "SCAFFOLD PLATFORMS" for the heading "PLATFORMS";

(ii) the substitution in subregulation (1) (a) of the expressions "228 mm" and "38 mm" for the words "nine inches" and "one and one half inches", respectively;

(iii) the substitution in subregulation (1) (b) of the expressions "150 mm" and "230 mm" for the words "six inches" and "nine inches", respectively;

(iv) the substitution in subregulation (2) (a) of the expressions "912 mm" and "456 mm" for the words "three feet" and "eighteen inches", respectively, wherever they occur, and the insertion after the word "gangway" of the phrase "or where low mass loads as defined in regulation D.6 (1) (b) are supported,";

(v) the substitution in subregulation (2) (b) of the expressions "2 m", "900 mm", "1 100 mm", "150 mm" and "25 mm" for the words "six feet six inches", "three feet", "three feet six inches", "six inches" and "one inch", respectively;

(vi) the substitution in subregulation (2) (c) of the expressions "75 mm" and "300 mm" for the words "three inches" and "twelve inches", respectively; and

(vii) the substitution in subregulations (3), (4) and (5) of the expressions "600 mm" and "900 mm" for the words "two feet" and "three feet", respectively, wherever they occur.

88. Regulation D.8 is amended by the substitution in subregulation (2) of the expressions "230 mm" and "2 m" for the words "nine inches" and "six feet six inches", respectively.

89. Regulation D.9 is amended by—

(i) the insertion of the following proviso at the end of subregulation (1) (b):

"Provided that in the case of outriggers anchored by means of weights, the arrangement thereof shall be approved by an inspector;"

(ii) the substitution in subregulation (4) (a) of the expressions "456 mm" and "912 mm" for the expressions "18 inches" and "36 inches", respectively, wherever they occur;

(iii) the substitution in subregulation (4) (c) of the expressions "900 mm", "1 100 mm" and "750 mm" for the words "three feet", "three feet six inches" and "two feet six inches", respectively;

(iv) the substitution in subregulation (4) (d) of the expressions "150 mm", "25 mm" and "50 mm" for the words "six inches", "one inch" and "two inches", respectively.

90. Regulation D. 12 is amended by the substitution of the expression "3 m" for the words "ten feet".

91. Regulation D.15 is amended by the substitution in subregulation (1) of the expressions "900 mm", "2 100 mm" and "1 800 mm" for the words "three feet", "seven feet" and "six feet", respectively.

92. Regulation D. 16 is amended by—

(i) the substitution in subregulations (1), (2), (6) and (9) of the expressions "600 mm", "1,5 m" and "50 m" for the words "two feet" and "five feet" and the expression "150 feet", respectively, wherever they occur;

(ii) aan die einde van subregulasie (2) die volgende paragraaf in te voeg:

“Vir die doel van hierdie subregulasie beteken ‘soliede rots’, homogene rots, vry van skotvlakke of breuke wat onder enige omstandighede bevorderlik is vir die instorting in die uitgrawing van oorhangende materiaal wat die sykante van die uitgrawing vorm.”;

(iii) na subregulasie (9) die volgende subregulasie in te voeg:

“(10) Die bouer of uitgrawer moet toesien dat alle uitgrawingswerk verrig word onder die toesig van ’n verantwoordelike persoon wat bevoegd is om sodanige toesig uit te oefen en wat skriftelik deur hom aangestel moet word.”.

93. Hernommer regulasies D.18 en D.19 as onderskeidelik D.21 en D.22 en voeg die volgende nuwe regulasies D.18, D.19 en D.20 in:

“D.18 Enigiemand, op persele waar bouwerk verrig word, moet enige bevel uitvoer wat aan hom gegee word of wat uitgereik is as ’n staande opdrag deur die boumeester of deur ’n persoon deur die boumeester daartoe gemagtig, in ooreenstemming met, of vir die behoorlike nakoming van, die bepalings van hierdie Hoofstuk of in belang van veiligheid.

D.19 Niemand, uitgesonderd ’n persoon wat deur die boumeester daartoe gemagtig is of ’n persoon wat by wet die reg daartoe het, mag ’n perseel waar bouwerk verrig word, binnegaan nie. ’n Kennisgewing met dié strekking moet deur die boumeester in albei amptelike tale op ’n opvallende plek op of by die aangewese toegange tot die perseel opgeplak word.

D.20 (1) Geen persoon mag bedwelmende drank gebruik of aan iemand anders aanbied of dit in sy besit hê terwyl hy bouwerk verrig nie.

(2) Geen persoon wat onder die invloed van drank is, mag ’n perseel waar bouwerk verrig word, binnegaan of daarin vertoef of deur die boumeester toegelaat word om dit binne te gaan of daarin te vertoef nie.”.

94. Regulasie D.21 word gewysig deur dit deur die volgende regulasie te vervang:

“D.21 Toepassing van ander regulasies.

Die bepalings van die regulasies in Deel I, in die mate waarvoor in Regulasie D.3 (3) (c) voorsiening gemaak word, en Dele II tot en met VI van Hoofstuk IV is *mutatis mutandis* van toepassing op alle installasies, uitrusting en masjinerie wat in verband met bou- of uitgrawingswerk gebruik word.”.

AANHANGSEL F. 1

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941
(Artikels 12 en 15)

AANSOEK OM GOEDKEURING VAN PLANNE

Die Afdelingsinspekteur,
Departement van Arbeid,

1. Ek/Ons* lê hierby planne, aansigte en deursnee voor vir*—

(a) die oprigting van ’n nuwe gebou;

(b) die aanbring van bouveranderinge en/of aanbouings* aan enige gebou,

wat in geheel of gedeeltelik as ’n fabriek gebruik word of sal word, op die volgende perseel.....

(Meld hier standplaasnommer en volledige adres)

(ii) the insertion at the end of subregulation (2) of the following paragraph:

“For the purpose of this subregulation ‘solid rock’ shall mean homogeneous rock, free from dividing planes or fractures which under any circumstances may promote overlying material forming the sides of the excavation to move into the excavation.”;

(iii) the insertion after subregulation (9) of the following subregulation:

“(10) The builder or excavator shall cause excavation work to be performed under the supervision of a responsible person who shall be competent to exercise such supervision and who shall be appointed by him in writing.”.

93. Renumber regulations D.18 and D. 19 to read D.21 and D.22, respectively, and insert the following new Regulations D.18, D.19 and D.20:

“D.18. Any person on premises where building work is performed, shall carry out any order given to him or which has been issued as a standing instruction by the builder, or by a person authorised by the builder, in accordance with, or for the proper observance of the provisions of this Chapter or in the interests of safety.

D.19. No person, other than a person authorised by the builder or a person entitled thereto by law, shall enter any premises where building work is performed. A notice to this effect shall be posted up by the builder in both official languages in a prominent place on or at the designated entrances to such premises.

D.20 (1) No person shall consume or offer to any other person or have in his possession intoxicating liquor whilst performing building work.

(2) No person under the influence of liquor shall enter or remain or shall be permitted by the builder to enter or remain on premises where building work is performed.”.

94. Regulation D.21 is amended by the substitution of the following regulation therefor:

“D.21. Application of other regulations.

The provisions of the regulations under Part I, to the extent provided for in Regulation D.3 (3) (c), and Parts II to VI, inclusive, of Chapter IV shall *mutatis mutandis* apply to all plant, equipment and machinery used in connection with building or excavation work.”.

ANNEXURE F. 1

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT, 1941
(Sections 12 and 15)

APPLICATION FOR APPROVAL OF PLANS

The Divisional Inspector
Department of Labour

1. I/We* hereby submit plans, cross-sections and elevations for*—

(a) the erection of a new building;

(b) the making of structural alterations and/or additions* to any building,

the whole or any portion of which is or will be used as a factory, on the following premises.....

(Here state stand number and full address)

2. Naam van fabriek.....
Mure word gebou van.....
Dak word gebou van.....
Plafonne word gebou van.....
Vloere word gebou van.....
Minimum hoogte van mure in enige kamer wat vir fabrieks-
doeleindes gebruik sal word.....
3. Wyse van waterverskaffing.....
Wyse van wegvoer van afvalwater.....
4. Soort gemakhuises (waterriool, pypriolering, emmer- of put-
gemakhuises).....
5. Maksimum getal persone wat in diens geneem sal word:

	Mans	Vroue	Totaal
Blankes.....			
Kleurlinge.....			
Asiate.....			
Bantoës.....			
6. Aard van nywerheid.....
7. Naam van argitek.....
8. Naam en adres van houer.....
9. Naam en adres van eienaar van eiendom.....

Plek.....

Datum.....

*Handtekening van houer/
eienaar van eiendom***VIR GEBRUIK VAN FABRIEKSINSPEKTEUR**

Datum planne ontvang.....

Datum planne teruggestuur.....

Planne goedgekeur/afgekeur*.....

Gelde betaal.....

Opmerking:

(1) Die volgende gelde is betaalbaar ten opsigte van planne wat ingevolge artikel 12 (1) van die Wet voorgelê word:

(i) R4 by aanvanklike voorlegging ten opsigte van nuwe geboue;

(ii) R4 by aanvanklike voorlegging ten opsigte van bouveranderings of aanbousels aan bestaande geboue;

(iii) R8 by aanvanklike voorlegging ten opsigte van nuwe geboue sowel as bouveranderings of aanbousels aan bestaande geboue; plus

(iv) R2 ten opsigte van elke 100 m² vloeroppervlakte of gedeelte daarvan, van nuwe geboue of bouveranderings of aanbousels op die planne aangetoon maar nie ten opsigte van bouveranderings wat geen bykomende vloeroppervlakte behels nie.

(2) Bovermelde gelde is ten opsigte van elke hervoorlegging betaalbaar.

* Skrap wat nie van toepassing is nie.

AANHANGSEL F. 2**DEPARTEMENT VAN ARBEID****WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941
(Artikel 13)****AANSOEK OM REGISTRASIE VAN 'N FABRIEK**Die Afdelingsinspekteur,
Departement van Arbeid,Hierby doen ek aansoek om die registrasie van perseel.....
in.....(straat)

van die Wet op Fabriek, Masjinerie en Bouwerk, 1941, en verklaar dat onderstaande inligting na my beste wete reg is.

Datum.....

*Handtekening van persoon wat die
perseel hou of van voorneme is om
dit te hou*

1. Naam of titel waaronder die besigheid van die fabriek voortge-
gesit word.....
2. Meld of "Persoonlik", "Vennootskap", "Beperkte Maatskappy"
of "Ko-operatiewe Vereniging", ens.....
3. Volle naam van houer (d.i. persoon wat die besigheid bestuur of
beheer).....
4. Posbusnommer..... Telefoonnommer.....
Telegramadres.....
5. Aard van goedere of artikels wat vervaardig of waarmee handel
word.....
6. Beskrywing van grondstowwe wat gebruik word.....
7. Besonderhede van motors en/of masjiene geïnstalleer:

Aard (stoom, elektrisiteit, olie, gas, ens.)	Kilowatt
.....	
.....	
.....	

2. Name of factory.....
Walls to be constructed of.....
Roof to be constructed of.....
Ceilings to be constructed of.....
Floors to be constructed of.....
Minimum height of walls in any room to be used for factory
purposes.....
3. Means of water supply.....
Means of disposal of waste water.....
4. Type of closets (water-borne, sewer-borne sewerage, pail or pit
closets).....
5. Maximum number of persons to be employed:

	Males	Females	Total
Whites.....			
Coloureds.....			
Asiatics.....			
Bantu.....			
6. Nature of industry.....
7. Name of architect.....
8. Name and address of occupier.....
9. Name and address of owner of property.....

Place.....

Date.....

*Signature of occupier/
owner of property***FOR USE BY FACTORY INSPECTOR**

Date plans received.....

Date plans returned.....

Plans approved/rejected*.....

Fees paid.....

Note:

(1) The following fees are payable in respect of plans submitted in terms of section 12 (1) of the Act:

(i) R4 upon the initial submission in respect of new buildings;

(ii) R4 upon the initial submission in respect of structural alterations or additions to existing buildings;

(iii) R8 upon the initial submission in respect of new buildings as well as structural alterations or additions to existing buildings; plus

(iv) R2 in respect of each 100 m² floor space, or part thereof, of new buildings or structural alterations or additions shown on the plans, but not in respect of structural alterations where no additional floor space is involved.

(2) The above-mentioned fees are payable in respect of each resubmission.

*Delete whichever is not applicable

ANNEXURE F. 2**DEPARTMENT OF LABOUR****FACTORIES, MACHINERY AND BUILDING WORK
ACT, 1941 (Section 13)****APPLICATION FOR REGISTRATION OF A FACTORY**The Divisional Inspector
Department of Labour

I hereby apply for the registration of premises.....

in.....(street).....(town)
as a factory within the meaning of the Factories, Machinery and Building Work Act, 1941, and declare that the following information is to the best of my knowledge correct.

Date.....

*Signature of person occupying or
intending to occupy premises*

1. Name or style under which the business of the factory is carried on.....
2. State whether "Individual", "Partnership", "Limited Company", or "Co-operative Society", etc.....
3. Full name of occupier (i.e. person having management or control of business).....
4. Post box number..... Telephone number.....
Telegraphic address.....
5. Nature of goods or articles manufactured or dealt with.....
6. Description of raw materials used.....
7. Details of motors and/or engines installed:

Nature (steam, electricity, oil, gas, etc.)	Kilowatt
.....	
.....	
.....	

8. Maksimum getal persone (met inbegrip van werkende werkgevers) wat in diens geneem sal word:

	Blankes	Kleur- linge	Asiate	Bantoes	Totaal
Mans.....					
Vroue.....					

9. (a) Meld aard van sanitêre geriewe (water, grond of ander)
(b) Meld getal gemakhuisies vir elke ras en geslag.....
10. Was- en badgeriewe vir elke ras en geslag.....
11. (a) Kleed- en ruskamers vir elke ras en geslag.....
(b) Toesluitkassies vir elke ras en geslag.....
12. Eerstehulpkamer.....
13. Voorsiening van ontsnappingsmiddels in geval van brand.....
14. Getal kamers en vloeroppervlakte van elk in vierkante meter (vul besonderhede hieronder in.)

Kamer- nommer	Vloerop- pervlakte in vier- kante meter	Maksimum getal be- woners op enige tyd- stip	Kamer- nommer	Vloerop- pervlakte in vier- kante meter	Maksimum getal be- woners op enige tyd- stip

Opmerkings.—Hierdie vorm moet, tensy planne reeds deur 'n inspekteur goedgekeur is, vergesel gaan van planne wat noukeurig gedruk of in ink geteken is op skaal van—

- (a) 1 tot 500 in die geval van planne van die terrein; en
(b) 1 tot 100 in die geval van planne van die geboue.

Die planne van die geboue moet die posisie en afmetings van alle deure, vensters en ander openinge en enige ander ventilasie-middels, sanitêre- en ander geriewe, trappe en brandlere aantoon. Elke verdieping moet afsonderlik aangetoon word, tesame met die vloeroppervlakte van elke kamer en die doel waarvoor dit gebruik sal word.

AANHANGSEL F. 9

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

VERSLAG VAN ONGELUK

(Die aanmelding van ongelukke moet streng volgens die voorskrifte van regulasie A. 7 geskied.)

Dagboek No. Ongeluk No.
Die Afdelingsinspekteur
Departement van Arbeid

Naam en adres van onderneming.....

Telefoonnommer.....

Hoof- of vernaamste aktiwiteit van onderneming.....

Datum en tyd van ongeluk.....

Datum waarop ongeluk aangemeld is.....

Aantal persone in ongeluk beseer.....

Plek van ongeluk (op perseel).....

Masjien waarop ongeluk plaasgevind het.....

Aard van werk wat tydens ongeluk verrig is.....

Wat was die oorsaak van die ongeluk?.....

Kort beskrywing van ongeluk.....

8. Maximum number of persons (including working employers) to be employed:

	Whites	Col- oureds	Asiatics	Bantu	Total
Males.....					
Females.....					

9. (a) State nature of sanitary conveniences (water, earth or other)
(b) State number of closets for each race and sex.....
10. Washing and bathing conveniences for each race and sex.....
11. (a) Changing-rooms and rest-rooms for each race and sex.....
(b) Lockers for each race and sex.....
12. First-aid room.....
13. Means of escape provided in case of fire.....
14. Number of rooms and floor space of each in square metres (fill in details below):

Room number	Floor space in square metres	Maximum number of occupants at any one time	Room number	Floor space in square metres	Maximum number of occupants at any one time

Notes.—Unless plans have already been approved by an inspector, this form must be accompanied by plans accurately printed or drawn in ink to the scale of—

- (a) 1 to 500 in the case of the plan of the site; and

- (b) 1 to 100 in the case of the plan of the buildings.

The plans of the buildings must show the position and dimensions of all doors, windows and other openings and any other means of ventilation, sanitary and other conveniences, stairs and fire-escapes. Each floor must be shown separately, together with the floor space of each room and the purpose for which it is to be used.

ANNEXURE F. 9

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT, 1941

REPORT OF ACCIDENT

(The reporting of accidents must be done strictly in accordance with the provisions of regulation A. 7)

Diary No. Accident No.

The Divisional Inspector
Department of Labour

Name and address of concern.....

Telephone number.....

Main or principal activity of concern.....

Date and time of accident.....

Date accident reported.....

Number of persons injured in accident.....

Scene of accident (on premises).....

Machine on which accident occurred.....

Nature of work being performed at time of accident.....

What was the cause of the accident?.....

Short description of accident.....

L.W.—'N AFSONDERLIKE VORM MOET INGEVUL WORD TEN OPSIGTE VAN ELKE PERSOON WAT IN DIESELFDE ONGELUK BESEER OF GEDOOD IS.

Naam en nommer van beseerde persoon.....

Beroep.....

Aantwoord die vrae hieronder deur 'n kruisie in die toepaslike blokkies te maak:

Ras.....	Blanke 1	Kleurling 2	Asiaat 3	Bantoe 4	Geslag.....			Manlik 1	Vroulik 2
Beseerde liggaamsdeel.....	Kop 11	Oog 12	Nek 13	Lyf 14	Vinger 15				
	Hand 16	Arm 17	Toon 18	Voet 19	Been 20	Algemeen 21			
Aard van besering.....	Kneusplekke 11	Skaafplekke 11	Brandwonde 12	Skroeiwonde 12	Ligboog oë 13	Harsingskud- ding 14	Snywonde 15	Steekwonde 15	
	Amputasie 16	Verswikking 17	Verstuiging 17	Verrekking 17	Beenbreuk 18	Verstikking. Vergiftiging 19	Verdrinking 19	Elektriese skok 20	Ander 21
Gedood of beseer.....	Gedood 8	Beseer	Verwagte tydverlies (dae).....						

Datum.....

Handtekening van werkgewer, gebruiker, houer, bouer of uitgraver

N.B.—A SEPARATE FORM MUST BE COMPLETED IN RESPECT OF EACH PERSON INJURED OR KILLED IN THE SAME ACCIDENT.

Name and number of injured person.....

Occupation.....

Answer the questions below by making a cross in the appropriate squares:

Race.....	White 1	Coloured 2	Asiatic 3	Bantu 4	Sex.....			Male 1	Female 2
Injured part of body.....	Head 11	Eye 12	Neck 13	Trunk 14	Finger 15				
	Hand 16	Arm 17	Toe 18	Foot 19	Leg 20	General 21			
Nature of injury.....	Contusions 11	Abrasions 11	Burns 12	Scalds 12	Arc eye 13	Concussion 14	Lacerations 15	Punctures 15	
	Amputation 16	Dislocation 17	Sprains 17	Strains 17	Fractures 18	Asphyxiation poisoning 19	Drowning 19	Electric shock 20	Other 21
Killed or injured.....	Killed 8	Injured	Anticipated time lost (days).....						

Date.....

Signature of employer, user, occupier, builder, excavator

SLEGS VIR DEPARTEMENTELE GEBRUIK

Nywerheid.....		Beseerde liggaamsdeel.....	
Werktuiglike oorsaak.....		Aard van besering.....	
Persoonlike oorsaak.....		Tydverlies.....	
Onderzoek ingestel.....		Oortreding.....	
Ras.....			
Geslag.....			

SLEGS VIR KANTOORGEBRUIK

1. Datum van ondersoek.....
2. In die teenwoordigheid van.....
3. Omstandighede wat tot die ongeluk gelei het.....
4. Opmerkings van inspekteur.....
5. Stappe gedoen.....

Datum..... Inspekteur.....

FOR DEPARTMENTAL USE ONLY

Industry.....		Injured part of body.....	
Instrumental cause.....		Nature of injury.....	
Personal cause.....		Time lost.....	
Enquired into.....		Contravention.....	
Race.....			
Sex.....			

FOR OFFICE USE ONLY

1. Date of investigation.....
2. In the presence of.....
3. Circumstances surrounding the accident.....
4. Inspector's remarks.....
5. Action taken.....

Date..... Inspector.....

AANHANGSEL F. 14

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

AANSOEK OM VERGUNNING OM 'N STOOMKETEL OP TE
RIG EN TE GEBRUIK
(Regulasie C.92)Die Afdelingsinspekteur,
Departement van Arbeid,Ek/Ons.....
(Vul hier die amptelike naam van maatskappy, firma of persoon in
op wie se naam die stoomketel geregistreer moet word.)Posadres.....
doen hierby ingevolge regulasie C.92 van die regulasies kragtens die
Wet op Fabriek, Masjinerie en Bouwerk, 1941, aansoek om ver-
gunning om 'n stoomketel, waarvan die besonderhede as volg is,
op te rig en te gebruik:Naam van eienaar van stoomketel.....
Aard van nywerheid.....
Plek van oprigting.....
(Indien dit 'n afgeleë plek is, meld naam en nommer van die plaas
en naaste spoorwegstasie en die afstand van die stasie af.)
Soort stoomketel.....
Vervaardiger se naam en adres.....Fabrieksnummer.....
Jaar van vervaardiging.....
Ontwerpdruk van vervaardiger..... Pa
Is die ketel nuut?.....
So nie, meld—Goewermentsnommer (as daar een is).....
Plek waar stoomketel voorheen gebruik is.....

ANNEXURE F. 14

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941APPLICATION FOR PERMISSION TO ERECT AND USE A
BOILER
(Regulation C. 92)The Divisional Inspector
Department of LabourI/We.....
(Here insert official name of company, firm or person in whose
name boiler is to be registered.)Postal address.....
hereby, in terms of Regulation C. 92 of the Regulations under the
Factories, Machinery and Building Work Act, 1941, apply for per-
mission to erect and use a boiler of which the particulars are as
detailed below:Name of owner of boiler.....
Nature of industry.....
Place of erection.....(If position is isolated, give name and number of the farm and
nearest railway station and the distance from the station)Type of boiler.....
Maker's name and address.....Factory number.....
Year of construction.....Maker's design pressure..... Pa
Is boiler new?.....

If not, state—

Government number (if any).....
Place where boiler was previously used.....

Is die stoomketel van die volgende regulasietoebehore voorsien:

Waterpeilers (getal en soort)?
Voertoestelle (getal)?
Voorkeerklep?
Voerafsluitkraan of -klep?
Laewaterstandalarm (soort)?
Laagste waterhoogte wyser?
Veiligheidskleppe (getal en soort)?
Stoomafsluitklep?
Ablaastoestel?
Drukmeter?
Toetsdrukmeterverbinding?
Mangat?
Kopernommerplaat?
Middels om brandstof- of kragtvoevoer outomaties af te sluit?

Datum.....

Handtekening van applikant

SLEGS VIR DEPARTEMENTELE GEBRUIK

Datum waarop aansoek ontvang is.....
Nuwe amptelike nommer toegeken/Ou amptelike nommer bevestig

Datum van vergunning om stoomketel op te rig.....
Datum van buite-inspeksie.....
Datum van binne-inspeksie.....
Datum van hidrouliese toets.....
Gemaagtigde werkdruk..... Pa
Datum waarop voorwaardelike permit uitgereik is.....
Datum waarop registrasiesertifikaat uitgereik is.....
Datum waarop inspeksieregister gepos/afgelewer is.....
Opmerkings.....
Datum.....

Inspekteur

Kantoor

AANHANGSEL F. 15

DEPARTEMENT VAN ARBEID

AFMETINGSTAAT VAN NUWE STOOMKETEL (Regulasie C.92)

Kantoor van die Afdelingsinspekteur.....
Nommer van nuwe stoomketel.....
Naam van gebruiker.....
Adres.....
Plek van oprigting.....
Datum van oprigting.....
Vervaardiger se naam.....
Vervaardiger se nommer.....
Jaar van vervaardiging.....
Vervaardiger se ontwerpdruk..... Pa
Konstruksie:
Gesweis of geklink.....
Praktykkode.....
Inspeksie-owerheid.....

Soort:

Beskrywing van stoomketel.....

Wand:

Konstruksie..... Materiaal.....
Trekvasheid..... MPa
Lengte..... mm Diameter..... mm
Dikte van plate..... mm
Dikte van ente..... mm

Vuurkamers:

Beskrywing en getal..... Materiaal.....
Trekvasheid..... MPa Lengte..... mm
Diameter (voor)..... mm Diameter (agter)..... mm
Dikte van plate..... mm

Vuurkas:

Beskrywing..... Afmetings in mm.....
Materiaal..... Trekvasheid..... MPa
Dikte..... mm Diameter en steek van skroefstutte..... mm en..... mm
Wyse waarop kroon gestut is, met afmetings in mm.....

Klinkwerk:

Oorlans: Klas..... Vastheid van las.....
..... persent.
Steek..... mm Diameter van klinknaels..... mm
Omtrek: Klas..... Vastheid van las.....
..... persent.
Steek..... mm Diameter van klinknaels..... mm
Trekvasheid..... MPa Ander klinkwerk.....

Is boiler provided with the following regulation fittings:

Water gauges (number and type)?
Feed apparatus (number)?
Feed check valve?
Feed stop cock or valve?
Low water alarm (type)?
Lowest water level indicator?
Safety valves (number and type)?
Steam stop valve?
Blow-off apparatus?
Pressure gauge?
Test pressure gauge connection?
Manhole?
Copper number plate?
Means for automatically isolating fuel or power supply?

Date.....

Signature of applicant

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Date application received.....
New official number allotted/Old official number confirmed.....
Date of permission to erect boiler.....
Date of external inspection.....
Date of internal inspection.....
Date of hydraulic test.....
Authorised working gauge pressure..... Pa
Date provisional permit issued.....
Date certificate of registration issued.....
Date inspection register posted/delivered.....
Remarks.....

Date.....

Inspector

Office

ANNEXURE F. 15

DEPARTMENT OF LABOUR

DIMENSION SHEET OF NEW BOILER (Regulation C. 92)

Office of the Divisional Inspector.....
Number of new boiler.....
Name of user.....
Address.....
Place of erection.....
Date of erection.....
Maker's name.....
Maker's number.....
Year of manufacture.....
Maker's design pressure..... Pa
Construction:
Welded or riveted.....
Code of practice.....
Inspection authority.....

Type:

Description of boiler.....

Shell:

Construction..... Material.....
Tensile strength..... MPa
Length..... mm Diameter..... mm
Thickness of plates..... mm
Thickness of ends..... mm

Furnaces:

Description and number..... Material.....
Tensile strength..... MPa Length..... mm
Diameter (front)..... mm Diameter (back)..... mm
Thickness of plates..... mm

Firebox:

Description..... Dimensions in mm.....
Material..... Tensile strength..... MPa
Thickness..... mm Diameter and pitch of screwed stays..... mm
Manner in which crown is stayed with dimensions in mm.....

Riveting:

Longitudinal: Class..... Strength of joint.....
..... per cent.
Pitch..... mm Diameter of rivets..... mm
Circumferential: Class..... Strength of joint.....
..... per cent.
Pitch..... mm Diameter of rivets..... mm
Tensile strength..... MPa Other riveting.....

Stutte:

Deurloopboute: Beskrywing.....
 Trekvasheid..... MPa Getal.....
 Diameter..... mm Steek..... mm

Pypstutte:

Getal..... Gemoer..... Gekraal.....
 Buite-diameter..... mm Dikte..... mm

Hoekplate:

Getal..... Afmetings, hoeke, ens.....

Stutte van kopversameelaar—

Getal..... Hol of solied.....
 Buite-diameter..... mm
 Binne-diameter..... mm Steek..... mm

Vlamtype:

Beskrywing..... Materiaal..... Getal.....
 Lengte..... mm Buite-diameter..... mm
 Dikte..... mm Breekvasheid..... Pa

Moddertromme:

Beskrywing..... Materiaal.....

Veiligheidskleppe:

Vervaardiger se naam en land van oorsprong.....
 Getal en soort.....
 Vervaardiger se maksimum werkdruk..... Pa
 Maksimum afblaasvermoë teen werkdruk van stoomketel.....
 kg per uur.

Laewaterstandalarm:

Soort.....

Vuurroosters:

Getal roosters..... Vorm en afmetings in mm.....
 Totale roosteroppervlak..... m²
 Totale verhittingsoppervlak..... m²
 Verdamping vanaf en by 100° C..... kg
 per uur.

Automatiese beheertoestelle:

Besonderhede.....

Datum.....

Gebruiker

AANHANGSEL F. 16

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

VOORLOPIGE PERMIT OM 'N STOOMKETEL TE GEBRUIK
(Regulasie C. 93)

Amptelike nommer.....
 Plek van oprigting.....
 Soort.....
 Vervaardiger.....
 Fabrieksnommer.....
 Ontwerpdruk van vervaardiger.....
 Datum van oprigting.....
 Naam van gebruiker.....
 Adres van gebruiker.....

word hierby voorlopig gemagtig om, behoudens die bepalinge van
 Hoofstuk IV van die regulasies kragtens die Wet op Fabriek, Masji-
 nerie en Bouwerk, 1941, en onderstaande verdere voorwaardes, die
 stoomketel met bogenoemde amptelike nommer en beskrywing vir
 die tydperk..... tot..... Pa te gebruik:
 teen 'n maksimum druk van..... Pa te gebruik:

Datum.....

Inspekteur

Kantoor

AANHANGSEL F. 17

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

REGISTRASIESERTIFIKAAT VAN STOOMKETEL
(Regulasie C. 93)

Amptelike nommer.....
 Plek van oprigting.....
 Soort.....
 Vervaardiger.....

Stays:

Through bolts: Description.....
 Tensile strength..... MPa Pitch..... mm
 Number..... Diameter..... mm

Tube stays:

Number..... Nutted..... Beaded.....
 External diameter..... mm Thickness..... mm

Gussets:

Number..... Dimensions, angles, etc.....

Header stays:

Number..... Hollow or solid.....
 External diameter..... mm
 Internal diameter..... mm Pitch..... mm

Tubes:

Description..... Material..... Number.....
 Length..... mm External diameter..... mm
 Thickness..... mm Bursting pressure..... Pa

Mud drums:

Description..... Material.....

Safety valves:

Maker's name and country of origin.....
 Number and type.....
 Maker's maximum working pressure..... Pa
 Maximum discharge capacity at working pressure of boiler.....
 kg per hour.

Low water alarm:

Type.....

Fire grates:

Number of grates..... Shape and dimensions in
 mm..... Total grate area..... m²
 Total heating surface..... m²
 Evaporation from and at 100° C..... kg per hour.

Automatic control devices:

Particulars.....

Date.....

User

ANNEXURE F. 16

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941PROVISIONAL PERMIT TO USE A BOILER
(Regulation C. 93)

Official number.....
 Place of erection.....
 Type.....
 Maker.....
 Factory number.....
 Maker's design pressure..... Pa
 Date of erection.....
 Name of user.....
 Address of user.....

is hereby provisionally authorised, subject to the provisions of Chapter
 IV of the Regulations under the Factories, Machinery and Building
 Work Act, 1941, and the following further conditions, to use the
 boiler bearing the above official number and description for the period
 to..... at a maximum pressure of
 Pa:

Date.....

Inspector

Office

ANNEXURE F. 17

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941CERTIFICATE OF REGISTRATION OF BOILER
(Regulation C. 93)

Official number.....
 Place of erection.....
 Type.....
 Maker.....

Fabrieksnommer..... Jaar van vervaardiging..... Pa
 Ontwerpdruk van vervaardiger.....
 Datum van oprigting.....
 Naam van gebruiker.....
 Adres van gebruiker.....

word hierby gemagtig om, behoudens die bepalinge van Hoofstuk IV van die regulasie kragtens die Wet op Fabriek, Masjinerie en Bouwerk, 1941, en onderstaande verdere voorwaardes, die stoomketel met bogenoemde amptelike nommer en beskrywing teen 'n maksimum druk van..... Pa te gebruik:

Datum.....
 Inspekteur.....
 Kantoor.....

AANHANGSEL F. 18
 (Voorste buiteblad van register)

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

STOOMKETELINSPEKSIEREGISTER

Stoomketel No.....

Eienaar/gebruiker.....
 Adres.....
 Plek waar opgerig.....
 Roosteroppervlakte.....m²
 Verhittingsvlak.....m²
 Inspeksiegeld.....

OPMERKING

(i) Hierdie register moet op 'n veilige plek bewaar word of op 'n plek wat 'n inspekteur mag aanwys.

(ii) As dit verlore raak, geskend of vernietig word, moet die gebruiker binne sewe dae by die Afdelingsinspekteur skriftelik aansoek doen om die uitreiking van 'n duplikaatregister en terselfdertyd aan hom die gelde stuur wat by regulasie C. 100 voorgeskryf word.

STOOMKETELINSPEKSIEVERSLAG (Blaai binne register)

Geregistreerde eienaar/gebruiker.....
 Stoomketel No..... Datum van inspeksie.....
 Verslag oor buite-inspeksie.....
 Verslag oor binne-inspeksie.....
 Verslag oor die hidrouliese toets.....
 Verslag oor toebehore, ens.....
 Vereistes.....
 Gelde.....

Inspekteur.....
 Kantoor.....

AANHANGSEL F. 19

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

AANSOEK OM 'N HYSER OP TE RIG OF TE GEBRUIK (Regulasie C. 114)

Die Afdelingsinspekteur,
 Departement van Arbeid

Ek/Ons.....
 (vul hier die amptelike naam en adres van maatskappy, firma of persoon in op wie se naam die hyser geregistreer moet word.)

doen hierby ingevolge regulasie C. 114 aansoek om vergunning om 'n hyser op te rig of te gebruik waarvan die konstruksie en wyse van bediening hieronder uiteengesit word en waarvan tekenings wat die plek en opstelling daarvan aantoon, asook 'n bedradingsdiagram, aangeheg is:

Naam van gebou.....
 Adres van gebou.....
 Eienaar van gebou.....
 Eienaar se posbusnommer.....
 Eienaar se telefoonnommer.....
 Soort hyser (passasiers of goedere).....
 Vervaardiger se naam.....
 Traksie- of tromaandrywing.....
 Diameter van katrolwiel of trom.....mm

Factory number.....
 Year of construction.....
 Maker's design pressure..... Pa
 Date of erection.....
 Name of user.....
 Address of user.....

is hereby authorised, subject to the provisions of Chapter IV of the Regulations under the Factories, Machinery and Building Work Act, 1941, and the following further conditions, to use the boiler bearing the above official number and description at a maximum pressure of..... Pa:

Date.....
 Inspector.....
 Office.....

ANNEXURE F. 18
 (Front cover of register)

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
 1941

BOILER INSPECTION REGISTER

Boiler No.....

Owner/user.....
 Address.....
 Place of erection.....
 Grate area.....m²
 Heating surface.....m²
 Inspection fee.....

NOTE

(i) This register must be kept in a safe place or in such place as an inspector may direct.

(ii) If it is lost, defaced or destroyed, the user must apply to the Divisional Inspector within seven days in writing for the issue of a duplicate register and at the same time forward to him the fee prescribed in terms of Regulation C. 100.

BOILER INSPECTION REPORT (Pages inside register)

Registered owner/user.....
 Boiler No..... Date of inspection.....
 Report on external inspection.....
 Report on internal inspection.....
 Report on hydraulic test.....
 Report on fittings, etc.....
 Requirements.....
 Fees.....

Inspector.....
 Office.....

ANNEXURE F. 19

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
 1941

APPLICATION TO ERECT OR USE AN ELEVATOR (Regulation C. 114)

The Divisional Inspector
 Department of Labour

I/We.....
 (Here insert official name and address of company, firm or person in whose name the elevator is to be registered.)

hereby, in terms of Regulation C. 114, apply for permission to erect or use an elevator, the construction and mode of operation of which are as detailed below and drawings of which, showing its position and arrangement, and also a wiring diagram are attached:

Name of building.....
 Address of building.....
 Owner of building.....
 Owner's post box number.....
 Owner's telephone number.....
 Type of elevator (passenger or goods).....
 Maker's name.....
 Traction or drum drive.....
 Diameter of sheave or drum.....mm

Maksimum getal persone..... Vloeroppervlakte van hysbak..... m².
 Massa van hysbak..... kg. Maksimum massa van goedere..... kg
 Massa van teengewig..... kg.
 Getal uittreeplekke..... Getal hysbakingange.....
 Totale loopafstand van hysbak..... m.
 Maksimum spoed van hysbak..... m/s. Krag (ws. of gs.).....
 Spanning..... V Kraglewering van motor..... kW
 Soort motor.....
 Hoe beheer.....
 Plek waar masjinerie is.....
 Omheining van luikgang.....
 Afmetings van motorkamer..... mm lank, mm wyd en mm hoog.
 Vloeroppervlakte..... m² Vensteroppervlakte..... m²
 Beskrywing van veiligheidsknippe.....
 Beskrywing van remme.....
 Beskrywing van spoedveiligheidstoestelle.....
 Beskrywing van oorhysweertostelle.....
 Soort stroombreker.....
 Soort deurslotte.....
 Hoe toue werk.....
 Getal toue.....

Datum.....
 Handtekening

SLEGS VIR KANTOORGEBRUIK

Datum waarop aansoek ontvang is.....
 Registrasienuommer toegeken.....
 Datum van vergunning om op te rig.....
 Datum van eerste inspeksie.....
 Datum waarop voorwaardelike permit uitgereik is.....
 Datum waarop registrasiesertifikaat uitgereik is.....
 Datum waarop inspeksieregister gepos is.....
 Opmerkings.....

Datum.....
 Inspekteur
 Kantoor

AANHANGSEL F. 20

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

VOORLOPIGE PERMIT OM 'N HYSER TE GEBRUIK (Regulasie C. 115)

Amptelike nommer.....
 Naam van vervaardiger.....
 Maksimum getal persone, met inbegrip van bediener, wat toegelaat word om op dieselfde tyd te ry.....
 of maksimum massavrag met inbegrip van bediener..... kg
 Naam van eienaar/gebruiker.....
 Adres.....
 word hierby voorlopig gemagtig om, behoudens die bepalings van Hoofstuk IV van die regulasies kragtens die Wet op Fabriek, Masjinerie en Bouwerk, 1941, en onderstaande verdere voorwaardes, bogenoemde hyser vir die tydperk..... tot.....
 te gebruik:

Datum.....
 Inspekteur
 Kantoor

AANHANGSEL F. 21

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

REGISTRASIESERTIFIKAAT VAN HYSER (Regulasie C. 115)

Amptelike nommer.....
 Naam van vervaardiger.....
 Datum van eerste inspeksie deur inspekteur.....
 Maksimum getal persone, met inbegrip van bediener, wat toegelaat word om op dieselfde tyd te ry..... of maksimum massavrag, met inbegrip van bediener, kg.
 Naam van eienaar/gebruiker.....
 Adres.....
 word hierby gemagtig om, behoudens die bepalings van Hoofstuk IV van die regulasies kragtens die Wet op Fabriek, Masjinerie en Bouwerk, 1941, en onderstaande verdere voorwaardes, bogenoemde hyser te gebruik:

Datum.....
 Inspekteur
 Kantoor

Maximum number of persons..... Car floor area..... m²
 Mass of car..... kg. Maximum mass of goods..... kg.
 Mass of counterweight..... kg.
 Number of landings..... Number of car entrances.....
 Total travel of car..... m.
 Maximum speed of car..... m/s.
 Power (AC. or DC.).....
 Voltage..... Power output of motor..... kW
 Type of motor.....
 How controlled.....
 Position of machinery.....
 Hatchway enclosure.....
 Dimensions of motor room..... mm long, mm wide and mm high.
 Floor area..... m² Window area..... m²
 Description of safety catches.....
 Description of brakes.....
 Description of speed safety devices.....
 Description of overwinding prevention devices.....
 Type of circuit breaker.....
 Type of door locks.....
 Method of roping.....
 Number of ropes.....
 Date.....
 Signature

FOR OFFICE USE ONLY

Date application received.....
 Registration number allotted.....
 Date of permission to erect.....
 Date of first inspection.....
 Date provisional permit issued.....
 Date registration certificate issued.....
 Date inspection register posted.....
 Remarks.....

Date.....
 Inspector
 Office

ANNEXURE F. 20

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT, 1941

PROVISIONAL PERMIT TO USE AN ELEVATOR (Regulation C. 115)

Official number.....
 Name of maker.....
 Maximum number of persons, including operator, allowed to travel at one time..... or maximum mass load, including operator, kg.
 Name of owner/user.....
 Address.....
 is hereby provisionally authorised, subject to the provisions of Chapter IV of the regulations under the Factories, Machinery and Building Work Act, 1941, and the following further conditions, to use the above-mentioned elevator for the period..... to.....

Date.....
 Inspector
 Office

ANNEXURE F. 21

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT, 1941

CERTIFICATE OF REGISTRATION OF ELEVATOR (Regulation C. 115)

Official number.....
 Name of maker.....
 Date of first examination by inspector.....
 Maximum number of persons, including operator, allowed to travel at one time..... or maximum mass load, including operator, kg.
 Name of owner/user.....
 Address.....
 is hereby authorised, subject to the provisions of Chapter IV of the regulations under the Factories, Machinery and Building Work Act, 1941, and the following further conditions, to use the above mentioned elevator:

Date.....
 Inspector
 Office

INSPEKSIEVERSLAE

Datum	Inspekteur se voorletters	Datum	Inspekteur se voorletters

AANHANGSEL F. 22

(Voorste buiteblad van register)

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941
HYSERINSPEKSIEREGISTER

Nommer van hyser.....
Eienaar/gebruiker.....
Gebou waarin opgerig.....
Opmerkings:

(i) Hierdie register moet op 'n veilige plek bewaar word of op 'n plek wat 'n inspekteur mag aanwys.

(ii) As dit verlore raak, geskend of vernietig word, moet die gebruiker binne sewe dae by die Afdelingsinspekteur skriftelik aansoek doen om die uitreiking van 'n duplikaatregister en terselfdertyd aan hom die gelde stuur wat by regulasie C. 123 voorgeskryf word.

(Aan binnekant van omslag)

Aan.....
(Naam van gebruiker)
van..... (gebou)..... (straat)
..... (dorp of stad).
Hyser No..... is geregistreer om.....
persone (met inbegrip van bediener) of.....
kilogram goedere (met inbegrip van bediener) te vervoer.
Datum.....

Inspekteur

Kantoor

(Daaropvolgende bladsye van register)

Hysernommer.....
Geregistreerde gebruiker.....
Datum van inspeksie.....
Opmerkings.....
Vereistes.....

Inspekteur

AANHANGSEL F. 23

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941
HYSERTOUSERTIFIKAAT

Besonderhede van toue wat aan hyser No..... gemonteer of hernuwe moet word.
Naam en adres van eienaar of gebruiker.....

Naam en adres van gebou.....

Naam en adres van vervaardiger van tou.....

Datum van vervaardiging van tou.....

Datum waarop tou aangesit is.....

Rolnommer van tou.....

Lengte van tou in meter.....

Massa van tou in kg/m.....

Diameter van tou in mm.....

Konstruksie van tou:

Soort en lengte van slag.....

Getal stringe.....

Tipe hart van tou.....

Smering.....

Konstruksie van stringe:

Getal drade.....

Diameter van drade in mm.....

Tipe kern.....

Trekvasheidsgehalte van staal MPa.....

Breekkrag van tou kN.....

Toetsertifikaatnommer van tou.....

Plek van toets.....

Getal toue.....

Veiligheidsfaktor van elke tou.....

Handtekening van gebruiker

Datum.....

RECORD OF INSPECTIONS

Date	Inspector's Initials	Date	Inspector's Initials

ANNEXURE F. 22

(Front cover of register)

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941

ELEVATOR INSPECTION REGISTER

Number of elevator.....
Owner/user.....
Building in which erected.....

Notes:

(i) This register must be kept in a safe place or in such place as an inspector may direct.

(ii) If it is lost, defaced or destroyed, the user must apply to the Divisional Inspector within seven days in writing for the issue of a duplicate register and at the same time forward to him the fee prescribed in terms of regulation C.123.

(on inside of cover)

To.....

(name of user)

at..... (building)

(street)

(town or city)

Elevator No..... is registered to carry.....

persons (including operator) or..... kilograms of goods

(including operator).

Date.....

Inspector

Office

(Subsequent pages of register)

Number of elevator.....

Registered user.....

Date of inspection.....

Remarks.....

Requirements.....

Inspector

ANNEXURE F. 23

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941

ELEVATOR ROPE CERTIFICATE

Details of ropes to be installed or renewed on elevator No.....

Name and address of owner or user.....

Name and address of building.....

Name and address of manufacturer of rope.....

Date of manufacture of rope.....

Date rope put on.....

Coil number of rope.....

Length of rope in metres.....

Mass of rope in kg/m.....

Diameter of rope in mm.....

Construction of rope:

Type and length of lay.....

Number of strands.....

Type of heart of rope.....

Lubrication.....

Construction of strands:

Number of wires.....

Diameter of wires in mm.....

Type of core.....

Tensile grade of steel MPa.....

Breaking force of rope kN.....

Rope test certificate number.....

Place of test.....

Number of ropes.....

Factor of safety of each rope.....

Date.....

Signature of user

AANHANGSEL F. 24

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

AANSOEK OM VERGUNNING OM 'N ROLTRAP OP TE
RIG OF TE GEBRUIK
(Regulasie C. 158)Die Afdelingsinspekteur,
Departement van Arbeid,

Ek/Ons.....
(Vul hier amptelike naam en adres van maatskappy, firma of persoon in op wie se naam die roltrap geregistreer moet word.)
doen hierby kragtens regulasie C. 158 van die regulasies kragtens die Wet op Fabriek, Masjinerie en Bouwerk, 1941, aansoek om vergunning om 'n roltrap op te rig of te gebruik waarvan die konstruksie en wyse van bediening hieronder uiteengesit word en waarvan tekenings aangeheg is wat die plek en opstelling daarvan in plan en hoogte aantoon:

Naam van gebou.....
Adres van gebou.....
Eienaar van gebou.....
Gebruik van gebou.....
Eienaar se posbusnommer.....
Eienaar se telefoonnommer.....
Vervaardiger se naam.....
Loopafstand.....m. Vertikale styging.....m
Hellingshoek..... Snelheid.....m/s
Wydte van balustrades.....mm. Wydte van trap.....mm
Krag (ws. of gs.)..... Spanning in volts.....
Kraglewering van motor.....kW
Soort aandrywing (slegs ratte of ratte en ketting).....
Soort en getal remme.....
Ander veiligheidstoestelle.....

Datum.....
Handtekening

SLEGS VIR DEPARTEMENTELE GEBRUIK

Datum waarop aansoek ontvang is.....
Registrasienommer toegeken.....
Datum van vergunning om op te rig.....
Datum van eerste inspeksie.....
Datum waarop registrasiesertifikaat uitgereik is.....
Datum waarop inspeksieregister gepos is.....
Opmerkings.....

Datum.....
Inspekteur

Kantoor

AANHANGSEL F. 25

DEPARTEMENT VAN ARBEID

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941

REGISTRASIESERTIFIKAAT VAN ROLTRAP
(Regulasie C. 159)

Amptelike nommer.....
Naam van vervaardiger.....
Datum van eerste inspeksie deur inspekteur.....
Plek waar opgerig.....
Naam van eienaar/gebruiker.....
Adres.....

word hierby gemagtig om, behoudens die bepalings van Hoofstuk IV van die regulasies kragtens die Wet op Fabriek, Masjinerie en Bouwerk, 1941, bogenoemde roltrap te gebruik.

Datum.....
Inspekteur

Kantoor

ANNEXURE F. 24

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941APPLICATION FOR PERMISSION TO ERECT OR USE AN
ESCALATOR
(Regulation C. 158)The Divisional Inspector
Department of Labour

I/We.....
(Here insert official name and address of company, firm or person in whose name the escalator is to be registered.)

hereby, in terms of Regulation C. 158 of the Regulations under the Factories, Machinery and Building Work Act, 1941, apply for permission to erect or use an escalator the construction and mode of operation of which are as detailed below and drawings of which, showing its position and arrangement in plan and elevation, are attached:

Name of building.....
Address of building.....
Owner of building.....
Use of building.....
Owner's post box number.....
Owner's telephone number.....
Maker's name.....
Length of flight.....m Vertical rise.....m
Angle of inclination..... Speed.....m/s
Width between balustrades.....mm Width of tread.....mm
Power (AC. or DC.)..... Voltage.....
Power output of motor.....kW
Type of drive (gear only or gear and chain).....
Type and number of brakes.....
Other safety devices.....

Date.....
Signature

FOR DEPARTMENTAL USE ONLY

Date application received.....
Registration number allotted.....
Date of permission to erect.....
Date of first inspection.....
Date registration certificate issued.....
Date inspection register posted.....
Remarks.....

Date.....
Inspector

Office

ANNEXURE F. 25

DEPARTMENT OF LABOUR

FACTORIES, MACHINERY AND BUILDING WORK ACT,
1941CERTIFICATE OF REGISTRATION OF ESCALATOR
(Regulation C. 159)

Official number.....
Name of maker.....
Date of first examination by inspector.....
Place where erected.....
Name of owner/user.....
Address.....

is hereby authorised, subject to the provisions of Chapter IV of the Regulations under the Factories, Machinery and Building Work Act, 1941, to use the above mentioned escalator.

Date.....
Inspector

Office

INSPEKSIEVERSLAE

Datum	Inspekteur se voorletters	Datum	Inspekteur se voorletters

No. R. 110

26 Januarie 1973

WET OP FABRIEKE, MASJINERIE EN BOUWERK, 1941.—WYSIGING VAN REGULASIES

Hierby word ingevolge artikel 51 (5) van die Wet op Fabriek, Masjinerie en Bouwerk, 1941 (Wet 22 van 1941), bekendgemaak dat die Minister van Arbeid bepaal het dat die gewysigde regulasies, gepubliseer by Goewermentskennisgewing R. 109 van 26 Januarie 1973 in die Republiek van Suid-Afrika van toepassing is en in werking tree op 'n datum drie maande vanaf die datum van publikasie van hierdie kennisgewing.

RECORD OF INSPECTIONS

Date	Inspector's Initials	Date	Inspector's Initials

No. R. 110

26 January 1973

FACTORIES, MACHINERY AND BUILDING WORK ACT, 1941.—AMENDMENT OF REGULATIONS

It is hereby notified, in terms of section 51 (5) of the Factories, Machinery and Building Work Act, 1941 (Act 22 of 1941), that the Minister of Labour has determined that the amended regulations, published under Government Notice R. 109 of 26 January 1973 shall apply in the Republic of South Africa and shall come into effect on a date three months from the date of publication of this notice.

Nuttige wenke—

1. Adresseer alle posstukke volledig, duidelik en sonder misleidende afkortings.
2. Plaas u eie adres agterop die koevert of omslag.
3. Moenie muntstukke of ander harde artikels in briewe insluit nie.
4. Gebruik posorders of poswissels wanneer geld deur die pos gestuur word.
5. Verpak pakkette behoorlik. Gebruik sterk houers en dik papier en bind dit stewig vas.
6. Maak seker dat die posgeld ten volle vooruitbetaal is.
7. Plak die posseëls in die boonste regterhoek van die koevert of omslag.
8. Verseker u pakkette en registreer waardevolle briewe. Dokumente wat slegs teen hoë koste vervang kan word, moet verkieslik verseker word.
9. Pos vroegtydig en dikwels gedurende die dag. Posstukke wat tot op die laaste oomblik teruggehou word kan vertraging veroorsaak.
10. Verstrek u volledige posadres aan u korrespondente asook u posbusnommer waar van toepassing.

Useful Hints—

1. Address all mail fully, clearly and without misleading abbreviations.
2. Place your own address on the back of the envelope or wrapper.
3. Do not enclose coins or other hard objects in letters.
4. Send remittances by Postal Order or Money Order.
5. Pack parcels properly, using strong containers and heavy paper. Tie securely.
6. Prepay postage fully.
7. Place postage stamps in the upper right hand corner of the envelope or wrapper.
8. Insure your parcels and register valuable letters. Documents which can only be replaced at considerable cost should preferably be insured.
9. Post early and often during the day. Mail held until the last moment may cause delay.
10. Give your correspondents your correct post office address including your box number where applicable.

Koop Nasionale Spaarsertifikate

Buy National Savings Certificates

Werk mooi daarmee.

Ons leef  daarvan

Use it.

Don't abuse  it.

water is for everybody

INHOUD

No.	Bladsy
Arbeid, Departement van	
Goewermentskennisgewings	
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