

Version No. 001
Plumbing Regulations 2008
S.R. No. 136/2008
Version as at 24 November 2008

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PART 1—PRELIMINARY

Division 1—Introduction

1 Objectives

The main objectives of these Regulations are—

- (a) to define the meaning of plumbing work, and to specify classes of plumbing work and specialised plumbing work, for the purposes of Part 12A of the **Building Act 1993**; and
- (b) to specify the qualifications and experience required for a person to be eligible to be registered or licensed to carry out plumbing work; and
- (c) to incorporate the Plumbing Code of Australia and to prescribe other standards that relate to plumbing work; and
- (d) to specify fees for the purposes of Part 12A of the **Building Act 1993**;
- (e) and to provide for any other matters authorised to be prescribed for the purposes of Part 12A of the **Building Act 1993**.

2 Authorising provisions

These Regulations are made under sections 221ZZZV and 262 of the **Building Act 1993**.

3 Commencement

These Regulations come into operation on 24 November 2008.

4 Revocations

The Regulations listed in Schedule 1 are **revoked**.

5 Definitions

In these Regulations—

apprenticeship means a training contract between a person and an employer entered into under Part 5.5 of the **Education and Training Reform Act 2006**;

approved competency units means competency units that are approved by the Commission under regulation 42;

AS 4234 means AS 4234—1994 Solar water heaters—Domestic and heat pump—Calculation of energy consumption, as issued from time to time;

AS/NZS 3500.2 means AS/NZS 3500.2 Plumbing and drainage Part 2: Sanitary plumbing and drainage, as issued, published or remade from time to time;

AS/NZS 3500.4 means AS/NZS 3500.4 Plumbing and drainage Part 4: Heated water services, as issued, published or remade from time to time;

backflow prevention work has the same meaning as set out in regulation 36;

blackwater means wastewater from a toilet or urinal;

caravan means a structure, other than a vessel, designed or adapted to be moved from place to place, intended for human habitation or use as a workplace including a self-propelled recreational vehicle or mobile home and any attached or adjoining annex or the like;

Certificate II course means a Certificate II course accredited under Part 4.4 of the **Education and Training Reform Act 2006**;

Certificate III course means a Certificate III course accredited under Part 4.4 of the **Education and Training Reform Act 2006**;

Certificate IV course means a Certificate IV course accredited under Part 4.4 of the **Education and Training Reform Act 2006**;

Commission means the Plumbing Industry Commission established under Part 12A of the Act;

cooling tower means a device for lowering—

- (a) the temperature of recirculated water by bringing the water into contact with fan-forced, or fan-induced, atmospheric air; or
- (b) the temperature of water, a refrigerant or other fluid in a pipe or other container by bringing recirculated water and fan-forced, or fan-induced, atmospheric air into contact with the pipe or container;

cooling tower drift eliminator is a device used to control water loss from a cooling tower through the exhaust air;

disconnect/reconnect licence means a licence issued under Part 3 of the **Electricity Safety Act 1998** to carry out the class of electrical work described in regulation 301(b) of the Electricity Safety (Installations) Regulations 1999¹;

drain means a pipe or conduit laid above or below the ground surface, including all associated fittings and equipment, for the conveyance of sewage, trade waste, greywater or stormwater;

drainage work has the meaning set out in regulation 15;

drinking water has the same meaning as in the **Safe Drinking Water Act 2003**;

evaporative cooler means a non-refrigerated water filtered airflow ducted cooling system installed above and through a roof or outside and through a wall;

fire protection work has the meaning set out in regulation 17;

gas except in regulation 26, has the same meaning as it has under the **Gas Safety Act 1997**;

gas company has the same meaning as it has under the **Gas Safety Act 1997**;

gas isolating valve means a valve for the purpose of isolating part of a gas installation from the remainder of the gas installation;

gas storage container means a tank, cylinder or similar container from which gas is supplied;

gasfitting work has the meaning set out in regulation 20;

greywater means all household wastewater excluding blackwater;

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- irrigation (non-agricultural) work*** has the meaning set out in regulation 25;
- mechanical services work*** has the meaning set out in regulation 26;
- PCA*** means the Plumbing Code of Australia;
- rainwater*** means water collected directly from roof run-off;
- rainwater tank*** means a tank or a number of connecting tanks designed to collect rainwater from roof catchments;
- refrigerated air-conditioning work*** has the meaning set out in regulation 28;
- refrigerated package appliance*** means a refrigerated air-conditioning appliance that does not require pipework to be installed for its operation;
- retention tank*** means any storage receptacle used for the storage and detainment of stormwater;
- roofing (stormwater) work*** has the meaning set out in regulation 30;
- sanitary work*** has the meaning set out in regulation 32;
- sewage*** has the same meaning that it has under the **Water Act 1989**;
- specialised gasfitting work*** means any of the following classes of specialised plumbing work—
- (a) type A appliance conversion work;
 - (b) type A appliance servicing work;
 - (c) type B gasfitting work;
 - (d) type B gasfitting advanced work;
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split system means a refrigerated air-conditioning appliance with separate indoor and outdoor components that requires pipework to be installed for its operation in a building;

subsoil drain means a trench filled with filter material or enhanced by using slotted pipes for the purpose of conveying subsoil water;

surface water drainage system means any stormwater drains, retention tanks, pump installations and rising mains for the collection and conveyance of surface water, from paved and unpaved areas and discharges from downpipes, but does not include subsoil drains;

the Act means the **Building Act 1993**;

trade waste has the same meaning that it has under the **Water Act 1989**;

trade waste agreement has the same meaning that it has under Part 9 of the **Water Act 1989**;

type A appliance has the same meaning as *Type A appliance* has in section 3(1) of the **Gas Safety Act 1997**;

type A appliance conversion work has the meaning set out in regulation 22;

type A appliance servicing work has the meaning set out in regulation 21;

type B gasfitting advanced work has the meaning set out in regulation 24;

type B gasfitting work has the meaning set out in regulation 23;

vessel means any houseboat, yacht or marine craft used for recreation and includes a vessel that is used—

- (a) for hire and reward; or
- (b) as a restaurant or for public entertainment;

wastewater means spent or used water, including greywater and blackwater, which contains dissolved or suspended matter;

water supply work has the meaning set out in regulation 34.

6 Interpretation

- (1) If a provision of any document applied, adopted or incorporated by, or referred to in, these Regulations is inconsistent with any provision in these Regulations, the provision of these Regulations prevails.
- (2) Subject to the Act and to these Regulations, words and expressions used in these Regulations have the same meaning as they have in the PCA.
- (3) A reference to plumbing work in these Regulations, except in Part 12, includes a reference to specialised plumbing work unless a contrary intention expressly appears or the context otherwise requires.
- (4) Any reference in a document incorporated by these Regulations to a requirement to comply with a direction, instruction, specification or requirement of a manufacturer when carrying out plumbing work is to be read as if the reference were to a requirement to comply with relevant best practice when carrying out that plumbing work.

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- (5) In these Regulations—
- (a) a reference to the installation, replacement, repair or alteration of a thing; or
 - (b) a reference to any one or more of the activities referred to in paragraph (a) in relation to a thing—
- includes the extension, renewal, relocation, connection, disconnection or removal of the thing.
- (6) In these Regulations a reference to the commissioning of a thing, unless a contrary intention expressly appears or the context otherwise requires, includes the recommissioning or decommissioning of the thing.
- (7) In these Regulations a reference to the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a thing includes any work that is incidental to, or associated with—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of that thing; or
 - (b) any extended meaning of an activity described in paragraph (a) referred to in subregulation (5) or (6) in relation to that thing.

Division 2—Plumbing Code of Australia

7 Plumbing Code of Australia forms part of these Regulations

Subject to regulation 8, the PCA is adopted by and forms part of these Regulations, as modified by these Regulations.

8 Provisions of the PCA not adopted

The following Parts of the PCA are not adopted by, and do not form part of, these Regulations—

- (a) Part D2, to the extent that it relates to the following work—
 - (i) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a subsoil drain;
 - (ii) the construction or replacement of stormwater pits, below-ground storage or retention tanks;
 - (iii) any design work that is incidental to or associated with any work described in subparagraph (i) or (ii);
- (b) Parts F1 and F2.

9 Modifications to PCA

- (1) The PCA is to be read as if—
 - (a) a reference to "product" were a reference to "material or product";
 - (b) a reference to "plumbing or drainage installation" were a reference to "plumbing or drainage system";
 - (c) a reference to "plumbing and drainage installation" were a reference to "plumbing and drainage system";
 - (d) a reference to "Plumbing Solution" were a reference to "Plumbing or Drainage Solution";
 - (e) a reference to "plumbing installation" were a reference to "plumbing or drainage system".

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- (2) The PCA is to be read as if in Clause A1.3, "the relevant document listed in Table A1.3 as that document is issued, published or remade from time to time" were substituted for "edition or issue, together with any amendment listed in Table A1.3".

Note

Additional modifications to the PCA are set out in Schedule 2.

PART 2—PLUMBING WORK

Division 1—Plumbing work regulated by Part 12A of the Act

10 Meaning of plumbing work

- (1) For the purposes of section 221C of the Act the following plumbing work is plumbing work to which Part 12A of the Act applies—
- (a) backflow prevention work;
 - (b) drainage work;
 - (c) fire protection work;
 - (d) gasfitting work;
 - (e) irrigation (non-agricultural) work;
 - (f) mechanical services work;
 - (g) refrigerated air-conditioning work;
 - (h) roofing (stormwater) work;
 - (i) sanitary work;
 - (j) type A appliance conversion work;
 - (k) type A appliance servicing work;
 - (l) type B gasfitting work;
 - (m) type B gasfitting advanced work; and
 - (n) water supply work.
- (2) For the purpose of section 221C of the Act, the following work is not plumbing work to which Part 12A of the Act applies—
- (a) any work carried out in relation to a supply or discharge reticulation system or a treatment plant or any equipment, appliance, fixture or system associated with that system or plant (other than any equipment,

appliance, fixture or system used mainly for administrative or ablution purposes) owned by, or exclusively vested in—

- (i) a gas company; or
 - (ii) the holder of a water licence or a water and sewerage licence under the **Water Industry Act 1994**; or
 - (iii) an Authority that has a water district or a sewerage district under the **Water Act 1989**; or
 - (iv) a council when the work is for stormwater drainage system purposes;
- (b) the internal design, construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any integral part of an on-site wastewater management system device or an on-site liquid trade waste management system device;
 - (c) the opening or closing of inspection opening caps and covers in sewage, stormwater and waste pipes;
 - (d) the clearing of blockages, or closed circuit television inspection of sewage, stormwater and waste pipes, using existing inspection openings or removable grates;
 - (e) the connection for water use of hoses from appliances such as dishwashers and clothes washing machines to taps;
 - (f) the connection of hoses to taps for the purposes of activities that use water including cleaning or watering a garden;
 - (g) the connection of irrigation systems or devices to hose taps for the purposes of watering a garden or irrigation;

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- (h) the installation of a refrigerated package appliance;
 - (i) design work where that design work is carried out by a person in their capacity as—
 - (i) a building practitioner; or
 - (ii) an architect; or
 - (iii) a draftsman; or
 - (iv) an engineer; or
 - (v) a landscape architect; or
 - (vi) a designer—unless the design work is incidental to, or associated with, plumbing work (that is not design work) that is or will be carried out by that person.

11 Plumbing work that may be carried out by unlicensed or unregistered persons

- (1) For the purposes of section 221D(2)(b) of the Act, the change over of a 3 star shower head in a dwelling is plumbing work that may be carried out by a person who is not a licensed or registered plumber.
- (2) For the purposes of section 221D(2)(b) of the Act, the repair or replacement of tap washers and other minor tap repairs in a dwelling is plumbing work that may be carried out by a person who is not a licensed or registered plumber.

Note

Under section 221D(2)(a) of the Act, a person is excepted from having to be licensed or registered as a plumber when repairing a tap in a dwelling that the person owns and occupies. The above regulation extends this exception to non-owners or non-occupiers of a dwelling.

(3) In this regulation—

3 star shower head means a shower head with a water efficiency rating of 3 stars determined in accordance with AS/NZS 6400 Water efficient products—Rating and labelling as issued, published or remade from time to time;

minor tap repairs do not include the repair of any thermostatic mixing valve, tempering valve or backflow prevention device.

Division 2—Classes of plumbing work

12 Classes of plumbing work other than specialised plumbing work

For the purposes of the definition of **class of plumbing work** in section 221B(1) of the Act, the following classes of plumbing work are specified—

- (a) drainage work;
- (b) fire protection work;
- (c) gasfitting work;
- (d) irrigation (non-agricultural) work;
- (e) mechanical services work;
- (f) roofing (stormwater) work;
- (g) sanitary work; and
- (h) water supply work.

13 Classes of specialised plumbing work

For the purposes of the definition of *class of specialised plumbing work* in section 221B(1) of the Act, the following classes of specialised plumbing work are specified—

- (a) backflow prevention work;
 - (b) refrigerated air-conditioning work;
 - (c) type A appliance conversion work;
 - (d) type A appliance servicing work;
 - (e) type B gasfitting advanced work; and
 - (f) type B gasfitting work.
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PART 3—STANDARD OF PLUMBING WORK

14 Standard of plumbing work

Any registered plumber, licensed plumber or other person authorised to carry out plumbing work under the Act must carry out plumbing work in a good and workmanlike manner.

PART 4—DRAINAGE

15 Drainage work defined

- (1) Drainage work is—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any part of a below-ground sanitary drainage system or a below-ground stormwater drainage system from the above-ground sewage, stormwater or waste pipes to the connection with the disposal system; and
 - (b) any design work that is incidental to, or associated with, any work described in paragraph (a).
- (2) Drainage work does not include—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of—
 - (i) a subsoil drain for the sole purpose of subsoil water collection; or
 - (ii) stormwater pits, channels that are grated or below-ground storage or retention tanks; or
 - (b) any design work that is incidental to, or associated with, the work described in paragraph (a).

16 Requirements for drainage work

In addition to any other requirements of these Regulations, drainage work must comply with the requirements set out in Part 1 of Schedule 2.

Note

The requirements set out in Part 1 of Schedule 2 include requirements for on-site liquid trade waste management systems.

PART 5—FIRE PROTECTION

17 Fire protection work defined

- (1) Fire protection work is—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any part of a water service used for fire fighting, from the point of connection of the service to the water supply to any firefighting device or equipment forming part of that service, including the following equipment—
 - (i) a fire hydrant or hose reel;
 - (ii) a residential or domestic fire sprinkler system;
 - (iii) a commercial or industrial fire sprinkler system;
 - (iv) a fire system pump set other than the commissioning of a fire system pump set; and
 - (b) any design work that is incidental to, or associated with, any work described in paragraph (a).
- (2) In this regulation *water service* includes a service that is connected to a reticulated water supply, a rainwater supply or any other water supply.

18 Requirements for fire protection work

In addition to any other requirements of these Regulations, fire protection work must comply with the requirements set out in Part 2 of Schedule 2.

PART 6—GASFITTING

19 Terms used in this Part

Words and expressions used in this Part that are not defined in these Regulations or the PCA have the same meaning that they have in the following standards—

- (a) AS 4575 Gas appliances—Quality of servicing, as issued, published or remade from time to time;
- (b) AS 3814 Industrial and commercial gas-fired appliances, as issued, published or remade from time to time;
- (c) AS 5601 Gas installations, as issued, published or remade from time to time.

20 Gasfitting work defined

(1) Gasfitting work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any pipe, appliance, flue, fitting, apparatus, control or other item that is involved with the supply or use of gas and that is fitted downstream of the outlet of a customer billing meter or a consumer's gas storage container and includes—

- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of—
 - (i) any gas appliance in, or on, a caravan or a vessel; and
 - (ii) any roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and

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- (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Gasfitting work does not include—
- (a) any specialised gasfitting work; or
 - (b) any cleaning, painting or preparation work in relation to gas pipes or gas pipe joints that does not involve the connection, disconnection or alteration of those pipes or joints; or
 - (c) the connection or disconnection of a gas storage container for the purpose of filling or refilling the container; or
 - (d) any work in relation to an item that is involved with the supply or use of gas that relates to the propulsion system, or any system that is powered by the propulsion system, of any motor vehicle or vessel.

21 Type A appliance servicing work

Type A appliance servicing work is the internal cleaning, maintenance and adjusting of a type A appliance and includes the adjustment, repair or replacement of components.

22 Type A appliance conversion work

Type A appliance conversion work is the adjusting or altering of a type A appliance to operate on a different gas from—

- (a) the gas that the appliance was originally manufactured to use; or
- (b) the gas that the appliance had been previously converted to use.

23 Type B gasfitting work

- (1) Type B gasfitting work is the construction, installation, servicing and maintenance of a type B appliance between the gas isolating valve adjacent to the appliance and any flue connection and includes—
 - (a) repair and replacement of gas components; and
 - (b) the commissioning of gas components; and
 - (c) the commissioning of the gas burner system.
 - (2) For the purposes of subregulation (1), **type B appliance** means any of the following single appliances of input greater than 10 MJ/h and less than 5000 MJ/h that forms part of an integrated industrial process—
 - (a) a water heater;
 - (b) a space heater;
 - (c) a vat or tank heater;
 - (d) a dryer or oven not associated with volatile solvents or hazardous atmospheres;
 - (e) a batch kiln with flame supervision and safeguards;
 - (f) any catering equipment.
 - (3) In addition to the work described under subregulation (1), type B gasfitting work also includes the construction, installation, servicing and maintenance of a steam boiler or thermal fluid heater of input less than 10 000 GJ/h that forms part of an integrated industrial process between the gas isolating valve adjacent to the appliance and any flue connection, including the repair and replacement of gas components in that appliance.
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(4) In this regulation—

batch kiln means a single industrial appliance for firing or drying a product in one discrete campaign or operating cycle that is not part of a continuous operation;

thermal fluid heater means an appliance that uses an oil or hydrocarbon based heat transfer medium in the liquid phase.

24 Type B gasfitting advanced work

(1) Type B gasfitting advanced work is the construction, installation, servicing and maintenance of a type B appliance, including the gas supply componentry of the appliance, between the gas isolating valve adjacent to the appliance and any flue connection and includes—

- (a) the repair, replacement, alteration or modification of the burner and associated safety system; and
- (b) the commissioning of a new, existing or modified gas burner system; and
- (c) any design work that is incidental to, or associated with, any work described in this subregulation.

(2) In this regulation **type B appliance** means—

- (a) any appliance referred to in regulation 23(2) or 23(3); and
- (b) any of the following appliances of input greater than 10MJ/h—
 - (i) a furnace;
 - (ii) an appliance that is part of, or integrated with, a process for industrial manufacturing;

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- (iii) a dryer or oven associated with volatile solvents or hazardous atmospheres;
 - (iv) a kiln.
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PART 7—IRRIGATION (NON-AGRICULTURAL)

25 Irrigation (non-agricultural) work defined

- (1) Irrigation (non-agricultural) work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any part of an irrigation system on a property from the connection point to any water supply in the system to the last valve or control to any pressurised zone in the system and includes any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Irrigation (non-agricultural) work does not include the design, construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of an irrigation system used for the purposes of agriculture.
- (3) In this regulation *connection point* means—
 - (a) the outlet side of the meter assembly in the system; or
 - (b) if no meter assembly is installed on the property, the principal control valve nearest to the property boundary.

PART 8—MECHANICAL SERVICES

26 Mechanical services work defined

- (1) Mechanical services work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a mechanical heating, cooling or ventilation system in a building, which is associated with the heating, cooling or ventilation of that building and includes—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of—
 - (i) any valve, regulator, register, pipe, duct, flue, tank, heating or cooling pipe or surface, boiler, burner, solid fuel heater, coil or other item that is used in the system; and
 - (ii) any single head split system; and
 - (iii) in relation to a cooling tower, any water pipe, valve, pump, automated dosing device or automated bleeding device or any other mechanical component that affects the cooling tower's cooling water flow rate or wastewater disposal; and
 - (iv) any fixed component used in a reticulation system for the supply or removal of medical gases from the gas source to a wall outlet; and
 - (v) roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and

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- (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Mechanical services work does not include—
- (a) gasfitting work; or
 - (b) any work on a cooling tower drift eliminator; or
 - (c) any treatment of cooling water; or
 - (d) the connection or disconnection of a system referred to in subregulation (1) from a water supply other than disconnection of the system from a water supply at an isolating valve adjacent to a mechanical component of that system.
- (3) In this regulation—

automated bleeding device means an automatic device used for the purposes of draining or bleeding or removing a fluid or gas;

medical gase means any gas or mixture of gases or other substance or process used for hospital or medical use that is supplied to, removed from or conducted at, a hospital or other place where medical procedures are carried out, by way of a pipeline reticulation system and includes oxygen, helium, nitrous oxide, nitrogen, medical air, surgical tool gas, carbon dioxide and common mixtures of those gases as well as anaesthesia waste.

27 Requirements for mechanical services work

In addition to any other requirements of these Regulations, mechanical services work must comply with Part 3 of Schedule 2.

28 Refrigerated air-conditioning work defined

- (1) Refrigerated air-conditioning work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of refrigerated air-conditioning equipment, including—
 - (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of—
 - (i) flexible ductwork, associated with the heating and cooling of a building; and
 - (ii) roof sheeting and flashing that is necessary for the purpose of any work described in this subregulation; and
 - (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Refrigerated air-conditioning work does not include—
 - (a) the connection or disconnection of refrigerated air-conditioning equipment from a water supply other than the disconnection of that equipment from a water supply at an isolating valve adjacent to a mechanical component of that equipment; or
 - (b) the treatment of cooling water; or
 - (c) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of a single head split system.

29 Requirements for refrigerated air-conditioning work

In addition to any other requirements of these Regulations, refrigerated air-conditioning work must comply with Part 4 of Schedule 2.

PART 9—ROOFING (STORMWATER)

30 Roofing (stormwater) work defined

- (1) Roofing (stormwater) work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any roof covering or roof flashing and any part of a roof drainage system involved in the collection or disposal of stormwater, which connects to ground level and includes—
- (a) the connection of any stormwater piping to—
 - (i) a below-ground stormwater drain; or
 - (ii) an on-site retention or storage tank; and
 - (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Roofing (stormwater) work does not include—
- (a) any cleaning, painting or preparation work in relation to any item, device or equipment involved in the collection or disposal of stormwater other than the connection, disconnection or alteration of that item, device or equipment; or
 - (b) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any roof covering consisting of non-metallic tiles, slate or flat membrane sheeting or any design work that is incidental to, or associated with, that work.

31 Requirements for roofing (stormwater) work

In addition to any other requirements of these Regulations, roofing (stormwater) work must comply with Part 5 of Schedule 2.

PART 10—SANITARY

32 Sanitary work defined

- (1) Sanitary work is the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of any part of an above-ground sanitary plumbing system to connect sanitary fixtures and appliances to a disposal system or below-ground sanitary drainage system and includes—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of—
 - (i) any fixture in, or on, a caravan or vessel that is connected to a disposal system or below-ground sanitary drainage system; and
 - (ii) any roof sheeting and flashing that is necessary for the purpose of any work described in this sub-regulation; and
 - (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Sanitary work does not include—
- (a) water supply work; or
 - (b) drainage work.

33 Requirements for sanitary work

In addition to any other requirements of these Regulations, sanitary work must comply with Part 6 of Schedule 2.

PART 11—WATER SUPPLY

34 Water supply work defined

- (1) Water supply work is—
- (a) the construction, installation, replacement, repair, alteration, maintenance, testing or commissioning of the following—
 - (i) any part of a heated or cold water service that is connected to a drinking water supply from the point of connection to the water supply to the points of discharge of the service;
 - (ii) any part of a non-drinking heated or cold water service or rainwater service, from the point of connection to the water supply to the points of discharge of the service;
 - (iii) any heated water service in or on a caravan or vessel; and
 - (b) any design work that is incidental to, or associated with, any work described in this subregulation.
- (2) Water supply work does not include work described in subregulation (1) carried out in connection with the supply of piped non-drinking water for agricultural purposes unless the water is supplied by a network utility operator or other water provider.

35 Requirements for water supply work

In addition to any other requirements of these Regulations, water supply work must comply with Part 7 of Schedule 2.

36 Backflow prevention work defined

Backflow prevention work is the repair, alteration, maintenance, testing or commissioning of a backflow prevention device, which is capable of being tested and is listed in Column 1 of Table 4.1 of AS/NZS 3500.1 Plumbing and drainage Part 1—Water services, as issued, published or remade from time to time.

37 Requirements for backflow prevention work

In addition to any other requirements of these Regulations, backflow prevention work must comply with Part 8 of Schedule 2.

**PART 12—QUALIFICATIONS AND EXPERIENCE
REQUIREMENTS FOR LICENCE OR REGISTRATION**

**38 Qualifications and experience required for classes of
plumbing work other than specialised plumbing
work**

- (1) The qualifications and experience required for a person to be able to be registered under section 221O of the Act to carry out a class of plumbing work set out in Column 2 of the Table in Part 1 of Schedule 3 are the qualifications and experience set out in Column 3 of that Table corresponding to that class of plumbing work.
- (2) The qualifications and experience required for a person to be able to be licensed under section 221M of the Act to carry out a class of plumbing work set out in Column 2 of the Table in Part 1 of Schedule 3 are the qualifications and experience set out in Column 4 of the Table corresponding to that class of plumbing work.

**39 Qualifications and experience required for classes of
specialised plumbing work**

- (1) The qualifications and experience required for a person to be able to be registered under section 221OA of the Act to carry out a class of specialised plumbing work set out in Column 2 of the Table in Part 2 of Schedule 3 are the qualifications and experience set out in Column 3 of that Table corresponding to that class of specialised plumbing work.
 - (2) The qualifications and experience required for a person to be able to be licensed under section 221N of the Act to carry out a class of specialised plumbing work set out in Column 2 of the Table in Part 2 of Schedule 3 are the qualifications and experience set out in Column 4
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of that Table corresponding to that class of specialised plumbing work.

40 Experience requirements

Despite regulation 38, in the case of a person licensed or registered to carry out a particular class of plumbing work who applies to be licensed or registered to carry out another class of plumbing work, employment for not less than 1 year in work of that other class is sufficient for that person to meet the experience requirements to be licensed or registered to carry out that other class of plumbing work.

41 Experience may be obtained over separate periods and with different employers

For the purposes of this Part, the experience required for a person to be eligible to be registered or licensed as a plumber under the Act with respect to a class of plumbing work or specialised plumbing work may be obtained over more than one period and with more than one employer.

42 Commission may approve competency units

- (1) For the purposes of this Part, the Commission may from time to time approve one or more competency units to be contained in a Certificate II course or a higher course relating to a class of plumbing work or specialised plumbing work.
- (2) The Commission may from time to time amend the competency units approved under subregulation (1) with respect to a class of plumbing work or specialised plumbing work.
- (3) The Commission must publish in the Government Gazette an up-to-date list of the competency units approved under this regulation with respect to a class of plumbing work or specialised plumbing

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work and the date that those units or amendments
to those units come into effect.

PART 13—FEES AND OTHER AMOUNTS

43 Fees

For the purposes of Part 12A of the Act, the fee for a matter set out in Column 2 of the Table in Schedule 4 is the amount set out in Column 3 of that Table corresponding to that matter.

44 Value of plumbing work

For the purposes of section 221ZH(1)(a) of the Act, the amount fixed is \$750.

45 Price of compliance certificate form

For the purposes of section 221ZN(5) of the Act, the maximum amount that may be charged for the sale of a compliance certificate form is \$28.50.

46 Exemption from fees

The Commission may wholly or partially exempt a person from having to pay a fee prescribed in this Part if, in its opinion, there are special circumstances.

PART 14—TRANSITIONAL PROVISIONS

47 Definitions

In this Part—

commencement date means the date that these Regulations come into operation;

former class of plumbing work means a class of plumbing work prescribed under the old Regulations;

old Regulations means the Plumbing Regulations 1998².

48 Former classes of plumbing work taken to be classes and types of plumbing work under these Regulations

A former class of plumbing work that is set out in Column 2 of the Table in Schedule 5, is taken to be the class or classes of plumbing work, and, if applicable, the type or types of plumbing work falling within a class of plumbing work, prescribed under these Regulations set out in Column 3 of that Table corresponding to that former class of plumbing work.

49 Persons licensed or registered to carry out former class of plumbing work may continue to carry out that work

- (1) A person who immediately before the commencement date was licensed under section 221M or 221N of the Act to carry out a former class of plumbing work set out in Column 2 of the Table in Schedule 5—
 - (a) is taken to be licensed under section 221M or 221N of the Act (as the case requires) to carry out the class or classes of plumbing work prescribed under these Regulations set

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- out in Column 3 of the Table corresponding to that former class of plumbing work; and
- (b) if applicable, is taken to be licensed under section 221Q of the Act to carry out the type or types of plumbing work falling within a class of plumbing work prescribed under these Regulations set out in Column 3 of the Table corresponding to that former class of plumbing work.
- (2) A person who immediately before the commencement date was registered under section 221O or 221OA of the Act to carry out a former class of plumbing work set out in Column 2 of the Table in Schedule 5—
- (a) is taken to be registered under section 221O or 221OA of the Act (as the case requires) to carry out the class or classes of plumbing work prescribed under these Regulations set out in Column 3 of the Table corresponding to that former class of plumbing work; and
- (b) if applicable, is taken to be registered under section 221R of the Act to carry out the type or types of plumbing work falling within a class of plumbing work prescribed under these Regulations set out in Column 3 of the Table corresponding to that former class of plumbing work.
- (3) A person who is taken to be licensed or registered to carry out a class or classes and, if applicable, a type or types of plumbing work under subregulation (1) or (2) is taken to be so licensed or registered until the date the person's licence or registration to carry out the former class of plumbing work would have expired had the old Regulations not been revoked.
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- (4) Subregulation (3) ceases to apply if a person's licence or registration is suspended or cancelled under the Act.
 - (5) As soon as is practicable after the commencement date, the Registrar must—
 - (a) seek the return of each licence or certificate of registration issued under Part 12A of the Act to carry out each former class of plumbing work set out in Column 2 of the Table in Schedule 5; and
 - (b) issue a replacement licence or certificate of registration under the relevant section of Part 12A of the Act in respect of the class or classes of plumbing work, and if applicable, the type or types of plumbing work, set out in Column 3 of the Table in Schedule 5 corresponding to that former class of plumbing work set out in Column 2 of that Table.
 - (6) No fee is payable for the issue of a replacement licence or certificate of registration under subregulation (5).

50 Persons eligible to be licensed or registered to carry out former class of plumbing work still eligible

- (1) A person who immediately before the commencement date was eligible to be licensed under section 221M or 221N of the Act to carry out a former class of plumbing work set out in Column 2 of the Table in Schedule 5 is taken to be eligible to be licensed under section 221M or 221N of the Act (as the case requires) to carry out the class or classes of plumbing work prescribed under these Regulations set out in Column 3 of the Table corresponding to that former class of plumbing work.

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- (2) A person who immediately before the commencement date was eligible to be registered under section 221O or 221OA of the Act to carry out a former class of plumbing work set out in Column 2 of the Table in Schedule 5 is taken to be eligible to be registered under section 221O or 221OA of the Act (as the case requires) to carry out the class or classes of plumbing work prescribed under these Regulations set out in Column 3 of the Table corresponding to that former class of plumbing work.

51 Exemption from section 221D(1) of the Act for certain persons carrying out fire protection work

A person, who immediately before the commencement date carried out any type of work described in regulation 17 that was not plumbing work under the old Regulations but is a type of fire protection work under these Regulations, is exempted from section 221D of the Act in relation to the carrying out of work of that type for the period ending one year after the commencement date.

SCHEDULES

SCHEDULE 1

Regulation 4

REVOCATIONS

<i>S.R. No.</i>	<i>Title</i>
148/1998	Plumbing Regulations 1998
16/1999	Plumbing (Amendment) Regulations 1999
15/2001	Plumbing (Cooling Towers) Regulations 2001
66/2001	Plumbing (Amendment) Regulations 2001
140/2003	Plumbing (Fees Amendment) Regulations 2003
79/2004	Plumbing (Water and Energy Savings) Regulations 2004
174/2004	Plumbing (Fees Amendment) Regulations 2004
57/2005	Plumbing (Fees Amendment) Regulations 2005
41/2006	Plumbing (Certification Marks) Regulations 2006
79/2006	Plumbing (Fees) Regulations 2006
154/2006	Plumbing (Shower Head) Regulations 2006
2/2007	Plumbing (Heat Pumps Amendment) Regulations 2007
85/2007	Plumbing (Fees Amendment) Regulations 2007

SCHEDULE 2

Regulations 16, 18, 27, 29,
31, 33, 35 and 37

REQUIREMENTS IN RELATION TO PLUMBING WORK

PART 1—REQUIREMENTS FOR DRAINAGE WORK

1 Requirements for below ground sanitary drainage systems

- (1) If an inspection shaft or boundary trap riser in a below ground sanitary drainage system is located clear of a building and is not likely to be damaged by vehicular traffic, a light cover must be installed at surface level in accordance with Clause 4.4.2.1 of AS/NZS 3500.2.
- (2) Discharge pipes measuring DN50 or smaller must not be installed in a below ground sanitary drainage system, except for discharge pipes connected to floor waste gullies.
- (3) The PCA is modified to the extent that AS/NZS 3500.2, as incorporated by the PCA, is to be read as if—
 - (a) there were substituted for Clause 13.2.1—

"13.2.1 Testing of sanitary drainage installations

Testing of a sanitary drainage installation—

- (a) if installed at a property provided with non-drinking water by the network utility operator, may be carried out by way of a water test in accordance with Clause 13.3.1 or an air test in accordance with Clause 13.3.2;

- (b) in any other case, must be carried out by way of an air test in accordance with Clause 13.3.2.";
- (b) Clause 13.2.2 were omitted;
- (c) there were substituted for Clause 13.3.2—

"13.3.2 Air test

An air test must be applied to every new below-ground drain and to any section of an existing below-ground drain that has been repaired or replaced.

The test must be applied by—

- (a) sealing all openings of the below-ground drain to be tested;
- (b) applying a pressure of 15 kPa to the drain and holding this pressure for 3 minutes to allow the air temperature to stabilise;
- (c) shutting off the air supply and measuring the period of time taken for the pressure in the pipe to drop from 15 kPa to 10 kPa.

The drain is considered to have passed the test if the time taken is greater than 90 seconds for pipes of a size not greater than DN 225."

2 Requirements for low risk on-site liquid trade waste management appliances

- (1) A low risk liquid trade waste appliance must—
 - (a) be located as close as practicable to the fixtures that it serves and if of the portable type must be installed above ground; and

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- (b) be fitted with a cover which is able to withstand vehicular or pedestrian traffic or other loads likely to be imposed on it and is readily removable by one person; and
 - (c) be constructed of materials suitable for the nature of the wastes likely to be discharged through the appliance.
- (2) A low risk liquid trade waste appliance must—
- (a) if fitted with an airtight cover, be provided with a DN32, DN50 or DN80 sized vent as nominated by the relevant network utility operator; and
 - (b) be provided with the following outlet ventilation—
 - (i) if installed outside a building, a DN100 sized riser off a disconnector gully in accordance with Clause 4.6.2 of AS/NZS 3500.2;
 - (ii) if not of the portable type and installed inside a building, a DN50 sized vent off a disconnector gully in accordance with Clause 4.6.5 of AS/NZS 3500.2; and
 - (iii) if of the portable type installed inside a building, a DN50 sized vent off a DN80 sized trap riser in accordance with Clause 4.6.5 of AS/NZS 3500.2.
- (3) If a low risk liquid trade waste appliance and outlet vent are interconnected, the interconnection must be in accordance with Clause 6.8.3 of AS/NZS 3500.2.
- (4) The outlet from a low risk liquid trade waste appliance must—
- (i) if of the portable type receiving a hydraulic loading of up to 5 fixture units, be a minimum size of DN50;
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- (ii) if of the portable type receiving a hydraulic loading of more than 5 fixture units, be a minimum size of DN80;
 - (iii) in any other case, be a minimum size of DN100; and
 - (iv) have a separate trap, of the same size as the outlet pipe, installed at its outlet.
- (5) In this clause—

hydraulic loading means the rate of discharge imposed on a sanitary plumbing installation and is measured in fixture units;

low risk liquid trade waste means water-borne discharges other than sewage that are classified by an Authority within the meaning of the **Water Act 1989** as being of low risk from causing harm to the environment and the assets of that Authority;

low risk liquid trade waste appliance means an appliance that traps and partially treats low risk liquid trade waste and prevents it from entering the sewerage system.

Note

The relevant Authority under the **Water Act 1989** or the holder of a licence under the **Water Industry Act 1994** may specify conditions of connection to a sewer for low risk liquid trade waste to enter that sewer and may also require that the waste passes through a low risk liquid trade waste appliance of a type nominated by the Authority or holder of a licence before it enters the sewer.

PART 2—REQUIREMENTS FOR FIRE PROTECTION WORK

3 Requirements for fire protection work

Fire protection work must comply with the following standards—

- (a) AS/NZS 1530.3 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, as issued, published or remade from time to time;
- (b) AS 4118.1.1 Fire sprinkler systems Part 1.1: Components—Sprinklers and sprayers, as issued, published or remade from time to time;
- (c) AS 4118.1.2 Fire sprinkler systems Part 1.2: Components—Alarm valves (wet), as issued, published or remade from time to time;
- (d) AS 4118.1.3 Fire sprinkler systems Part 1.3: Components—Water motor alarms, as issued, published or remade from time to time;
- (e) AS 4118.1.4 Fire sprinkler systems Part 1.4: Components—Valve monitors, as issued, published or remade from time to time;
- (f) AS 4118.1.5 Fire sprinkler systems Part 1.5: Components—Deluge and pre-action valves, as issued, published or remade from time to time;
- (g) AS 4118.1.6 Fire sprinkler systems Part 1.6: Components—Stop valves and non-return valves, as issued, published or remade from time to time;

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- (h) AS 4118.1.7 Fire sprinkler systems Part 1.7: Components—Alarm valves (dry), as issued, published or remade from time to time;
 - (i) AS 4118.1.8 Fire sprinkler systems Part 1.8: Components—Pressure-reducing valves, as issued, published or remade from time to time;
 - (j) AS 2941 Fixed fire protection installations— Pumpset systems, as issued, published or remade from time to time;
 - (k) AS 2118.2 Automatic fire sprinkler systems Part 2: Wall wetting sprinklers (Drenchers), as issued, published or remade from time to time;
 - (l) AS 2118.3 Automatic fire sprinkler systems Part 3: Deluge, as issued, published or remade from time to time;
 - (m) AS 2118.8 Automatic fire sprinkler systems Part 8: Minor modifications, as issued, published or remade from time to time;
 - (n) AS 2118.10 Automatic fire sprinkler systems Part 10: Approval documentation, as issued, published or remade from time to time;
 - (o) AS 1851 Maintenance of fire protection systems and equipment, as issued, published or remade from time to time;
 - (p) AS 1682.2 Fire dampers Part 2: Installation, as issued, published or remade from time to time.
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**PART 3—REQUIREMENTS FOR MECHANICAL SERVICES
WORK**

4 Requirements for mechanical services work

Mechanical services work must comply with the following standards—

- (a) AS/NZS 2918 Domestic solid fuel burning appliances—Installation, as issued, published or remade from time to time;
- (b) AS 2896 Medical gas systems—Installation and testing of non-flammable medical gas pipeline systems, as issued, published or remade from time to time;
- (c) AS 2473.3 Valves for compressed gas cylinders Part 3: Outlet connections for medical gases (including pin-indexed yoke connections), as issued, published or remade from time to time;
- (d) AS 2568 Medical gases—Purity of compressed medical breathing air, as issued, published or remade from time to time;
- (e) AS 2902 Medical gas systems—Low pressure flexible hose assemblies, as issued, published or remade from time to time;
- (f) AS/NZS 4859.1 Materials for the thermal installation of buildings Part 1: General criteria and technical provisions, as issued, published or remade from time to time.

5 Requirements for residential heating, cooling and air-conditioning equipment

Residential heating, cooling and air-conditioning equipment must be installed in accordance with HB 276—2004 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Commission and Standards Australia, as issued, published or remade from time to time.

6 Requirements for condensate and bleed down drains

- (1) Condensate drains and bleed down drains installed in heating, cooling and air-conditioning equipment (including evaporative coolers) other than cooling towers must discharge to any of the following—
- (a) an evaporative tray if specified by the manufacturer;
 - (b) a sanitary drainage system by way of a tundish or self-sealing device, which complies with either Clause 4.6.7.8 or Clause 11.22 of AS/NZS 3500.2;
 - (c) a surface water drainage system;
 - (d) an absorption pit, but only if a sanitary or surface water drainage system is not available and the discharge water will not cause damage to buildings or facilities by changing soil moisture conditions;
 - (e) a stormwater downpipe directly over the connection to the roof gutter; or
 - (f) directly to the stormwater downpipe below the connection to the roof gutter provided a means of overflow or reverse flow protection is incorporated.

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(2) Drains from a cooling tower must discharge to a sanitary drainage system in accordance with any applicable trade waste agreement.

(3) In this clause—

bleed down drain means a drain that collects fluid from a valve used for bleeding or purging;

evaporative tray means a tray used to gather excess moisture or condensation for the purpose of evaporation.

**PART 4—REQUIREMENTS FOR REFRIGERATED AIR-
CONDITIONING WORK**

**7 Requirements for refrigerated air-conditioning
work**

Refrigerated air-conditioning work must comply with the following—

- (a) AS/NZS 1677.1 Refrigerating systems Part 1: Refrigerant classification, as issued, published or remade from time to time;
- (b) AS/NZS 1677.2 Refrigerating systems Part 2: Safety requirements for fixed applications, as issued, published or remade from time to time;
- (c) HB 276—2004 A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by the Commission and Standards Australia, as issued, published or remade from time to time;
- (d) Australia and New Zealand refrigerant handling code of practice 2007 Part 1—Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, as issued, published or remade from time to time;

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- (e) Australia and New Zealand Refrigerant handling code of practice 2007 Part 2—
Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, as issued, published or remade from time to time.
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**PART 5—REQUIREMENTS FOR ROOFING
(STORMWATER) WORK**

8 Requirements for roofing (stormwater) work

Roofing (stormwater) work must comply with the following—

- (a) SAA HB 39—1997 Installation code for metal roof and wall cladding, published by Standards Australia, as issued, published or remade from time to time (except for Appendices B, C and D);
- (b) AS 1562.1 Design and installation of sheet roof and wall cladding Part 1: Metal, as issued, published or remade from time to time;
- (c) AS 1562.3 Design and installation of sheet roof and wall cladding Part 3: Plastic, as issued, published or remade from time to time;
- (d) AS/NZS 4200.1 Pliable building membranes and underlays Part 1: Materials, as issued, published or remade from time to time;
- (e) AS/NZS 4200.2 Pliable building membranes and underlays Part 2: Installation requirements as issued, published or remade from time to time;
- (f) SAA/SNZ HB 114:1998 Guidelines for the design of eaves and box gutters, published jointly by Standards Australia and Standards New Zealand, as issued, published or remade from time to time.

PART 6—REQUIREMENTS FOR SANITARY WORK

9 Requirements for sanitary work

The PCA is modified to the extent that AS/NZS 3500.2, as incorporated by the PCA, is to be read as if there were substituted for Clause 13.2(a)—

- "(a) When tested, the respective sections of any soil pipe, waste pipe, vent pipe or above-ground drain must be free of leaks when subjected to an air test to 15 kPa for a minimum period of 3 minutes."
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PART 7—REQUIREMENTS FOR WATER SUPPLY WORK

10 Definitions

In this Part—

automatic or manual interchange device means a device that by way of manual or automatic means can alternate between varying water sources;

Class 1 building has the same meaning as it has in the building regulations;

heat pump water heater means a water heater using vapour compression cycle and incorporating a compressor, an evaporator and a condenser, which delivers heat to the water either directly or indirectly;

solar pre-heater means a solar water heater without a booster heating unit;

solar water heater means a system for heating water consisting of—

- (a) a solar collector and a container which may be integral, close coupled or remote, and which heats water by means of radiant energy from the sun and may include—
 - (i) a single container solar water heater with electric or gas boosting; or
 - (ii) 2 or more solar pre-heat containers connected to each other and to an electric booster or a gas booster; or

(iii) a solar pre-heater coupled with a conventional storage water heater;
or

(iv) any other solar powered heater configuration that incorporates a heater referred to in subparagraph (i) and a component referred to in subparagraph (ii); or

(b) a heat pump water heater.

11 Drinking water

Drinking water that is not intentionally heated must be delivered at a temperature of less than 40 degrees Celsius.

12 Requirement of hose tap in men's public toilets

A hose tap must be provided in men's public toilets adjacent to the urinals.

13 Water meter must be installed in water supply to cooling tower

If required by the relevant network utility operator, a water meter must be installed in the water supply system supplying water to a cooling tower.

14 Requirements where rainwater used for sanitary flushing

(1) If a reticulated water supply from a network utility operator is connected, or proposed to be connected to a building where a rainwater tank is installed for the purpose of sanitary flushing, an automatic or manual interchange device that allows alternate use of water from the rainwater tank or the reticulated water supply must be installed to ensure that there is a continual supply of water for sanitary flushing.

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- (2) A rainwater tank installed in a new Class 1 building in order to comply with the requirements of the building regulations must—
- (a) be installed in such a way that it receives the rainfall from a minimum catchment area of 50 square metres; and
 - (b) have a minimum capacity of 2000 litres; and
 - (c) be connected to all toilets in the building for the purpose of sanitary flushing in accordance with subclause (1).

Note

The 5 star requirements as set out in the Victorian variation to the energy provisions of the Building Code of Australia provide that, in the case of a new Class 1 building, either a rainwater tank connected to all sanitary flushing systems or a solar water heater system is to be installed in accordance with the Plumbing Regulations.

15 Requirements relating to solar water heaters

- (1) A solar water heater installed in a new Class 1 building in order to comply with the requirements of the building regulations must comply with the following requirements—
- (a) the solar water heater must perform to a standard under which the energy savings, relative to a conventional water heater, are 60% or more when calculated in accordance with AS 4234;
 - (b) except in the case of a heat pump water heater, the solar water heater must have a legible label in the following form, which contains the relevant information set out in that label, permanently attached to the heater's water heater storage container—

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"This solar water heater installation complies with the Plumbing Regulations 2008 (Victoria) when installed with the following collectors

<i>No. of bedrooms in building</i>	<i>1-2</i>	<i>3 or more</i>
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Number of collectors installed in building

Manufacturing number of each collector installed in building

";

- (c) if a reticulated gas supply from a gas company is available for connection to the building, the solar water heater—
- (i) must be a gas boosted solar water heater if it incorporates booster heating and is not a heat pump water heater; and
 - (ii) if it is a heat pump water heater, no part of the heater that is capable of heating water must be capable of being connected to the mains electricity supply for that part of the heater to operate.

Note

The 5 star requirements as set out in the Victorian variation to the energy provisions of the Building Code of Australia provide that, in the case of a new Class 1 building, either a rainwater tank connected to all sanitary flushing systems or a solar water heater system is to be installed in accordance with the Plumbing Regulations.

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- (2) The solar radiant collectors contained in a solar water heater installed in a building must—
- (a) be oriented to face between 50 degrees east and 70 degrees west of magnetic north; and
 - (b) have an inclination of 30 degrees plus or minus 20 degrees to the horizontal.
- (3) The PCA is modified to the extent that AS 4234, as incorporated by AS/NZS 3500.4 (as incorporated by the PCA), is to be read as if—
- (a) there were substituted for Clause 1.4.11—

"1.4.11 Solar water heater—a system for heating water consisting of—

- (a) a solar collector and a container which may be integral, close coupled or remote, and which heats water by means of radiant energy from the sun and may include—
 - (i) a single container solar water heater with electric or gas boosting; or
 - (ii) 2 or more solar pre-heat containers connected to each other and to an electric booster or a gas booster; or
 - (iii) a solar pre-heater coupled with a conventional storage water heater; or
 - (iv) any other solar powered heater configuration that incorporates a heater referred to in subparagraph (i) and a component referred to in subparagraph (ii); or
- (b) a heat pump water heater."; and

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-
- (b) in Clause 1.4.13, "an evaporator" was **substituted** for "a flat plate evaporator"; and
- (c) there were inserted after Clause 3.1.2—

**"3.1A LOAD AND ENVIRONMENTAL
CONDITIONS FOR EVALUATING
HEATERS IN CLASS 1 BUILDINGS**

Despite Clause 3.1, the following load and environmental conditions must be adopted when using the modified TRNSYS simulation model to evaluate the annual task performance of a solar water heater installed in a Class 1 building—

- (a) all simulation inputs must be in accordance with the zone 4 climate zone set out in Tables A4, A5 and A6 in Appendix A;
- (b) if the building has less than 3 bedrooms, the peak daily thermal energy load must be 25.2 megajoules per day;
- (c) if the building has 3 or more bedrooms, the peak daily thermal energy load must be 42 megajoules per day;
- (d) any reference to a requirement to comply with a direction, instruction, specification, requirement or recommendation of a manufacturer in relation to a matter were a reference to a requirement or recommendation (as the case may be) to comply with the relevant best practice in relation to the matter."
-

16 Requirement regarding non-drinking water service

The PCA is modified to the extent that AS/NZS 3500.1, as incorporated by the PCA, is to be read as if there were substituted for Clause 9.5.2—

"9.5.2 Non-drinking water service—Hose tap outlets

The hose tap outlet must—

- (a) be clearly marked with a prohibition sign in accordance with the requirements of AS 1319; and
- (b) have a non-standard inlet connecting thread and a standard hose connection outlet; and
- (c) be of a type that has a removable handle; and
- (d) be coloured purple."

17 Requirements for heated water services

The PCA is modified to the extent that AS/NZS 3500.4, as incorporated by the PCA, is to be read as if—

- (a) there were inserted at the end of Clause 1.9.2—

"In this Clause "**heated water installation**" means either a heated water reticulation heater and a heated water reticulation system or a heated water reticulation system.";

- (b) there were inserted after Clause 4.3.2.4—

"4.3.2.4A Heated water service

The provisions of Clause 5.3.8 of AS/NZS 3500.1 apply to heated water reticulation."

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**PART 8—REQUIREMENTS FOR BACKFLOW PREVENTION
WORK**

18 Requirement for backflow prevention work

Backflow prevention work must comply with AS 2845.2 Water supply—Backflow prevention devices Part 2: Air gaps and break tanks, as issued, published or remade from time to time.

SCHEDULE 3

Regulations 38, 39

**QUALIFICATIONS AND EXPERIENCE REQUIREMENTS
FOR LICENCE OR REGISTRATION**

**PART 1—QUALIFICATIONS AND EXPERIENCE REQUIRED
IN RESPECT OF CLASSES OF PLUMBING WORK**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of plumbing work</i>	<i>Qualifications and experience required for registration under section 221O to carry out a class of plumbing work</i>	<i>Qualifications and experience required for licence under section 221M to carry out a class of plumbing work</i>
1	Drainage work	The following qualifications are required— (a) successful completion of a Certificate III course relating to plumbing work (except in the case of drainage work or irrigation (non-agricultural) work where a Certificate II course is sufficient) that includes the approved competency units for that class of plumbing work; and	Successful completion of the Commission's examination of licence competencies for that class of plumbing work.
2	Fire protection work		
3	Gasfitting work		
4	Irrigation (non-agricultural) work		Note Section 221M(1)(a) of the Act requires a person to be eligible for registration with respect to a class of plumbing work in order to be licensed to carry out that class of plumbing work.
5	Mechanical services work		
6	Roofing (stormwater) work		
7	Sanitary work		
8	Water supply work		

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of plumbing work</i>	<i>Qualifications and experience required for registration under section 221O to carry out a class of plumbing work</i>	<i>Qualifications and experience required for licence under section 221M to carry out a class of plumbing work</i>
		<p>(b) successful completion of the Commission's examination of competencies for that class of plumbing work.</p> <p>Either of the following types of experience are required—</p> <p>(a) completion of an apprenticeship under the supervision of a plumber qualified to carry out work of that class of plumbing work; or</p> <p>(b) employment for 4 years in that class of plumbing work except in the case of Drainage work or Irrigation (Non-agricultural) work where 2 years is sufficient.</p>	

**PART 2—QUALIFICATIONS AND EXPERIENCE REQUIRED
IN RESPECT OF CLASSES OF SPECIALISED PLUMBING
WORK**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of specialised plumbing work</i>	<i>Qualifications and experience required for registration under section 221OA to carry out a class of specialised plumbing work</i>	<i>Qualifications and experience required for licence under section 221N to carry out a class of specialised plumbing work</i>
1	Backflow prevention work	The following qualifications are required— (a) the holding of a registration to carry out water supply work; and (b) successful completion of the Commission's examination of competencies for backflow prevention work.	The following qualifications are required— (a) the holding of a licence to carry out water supply work; and (b) successful completion of the Commission's examination of competencies for backflow prevention work.
2	Refrigerated air-conditioning work	The following qualifications are required— (a) the holding of a registration to carry out mechanical services work; and (b) the holding of a disconnect/reconnect licence; and	The following qualifications are required— (a) the holding of a licence to carry out mechanical services work; and (b) the holding of a disconnect/reconnect licence; and

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of specialised plumbing work</i>	<i>Qualifications and experience required for registration under section 221OA to carry out a class of specialised plumbing work</i>	<i>Qualifications and experience required for licence under section 221N to carry out a class of specialised plumbing work</i>
		<p>(c) either of the following—</p> <p>(i) successful completion of a Certificate III course that includes the approved competency units for refrigerated air-conditioning work; or</p> <p>(ii) successful completion of the Commission's examination of competencies for refrigerated air-conditioning work.</p> <p>Either of the following types of experience are required—</p> <p>(a) completion of a refrigeration apprenticeship; or</p> <p>(b) employment for 4 years in refrigerated air-conditioning work.</p>	<p>(c) either of the following—</p> <p>(i) successful completion of a Certificate III course that includes the approved competency units for refrigerated air-conditioning work; or</p> <p>(ii) successful completion of the Commission's examination of competencies for refrigerated air-conditioning work.</p> <p>Either of the following types of experience are required—</p> <p>(a) completion of a refrigeration apprenticeship; or</p> <p>(b) employment for 4 years in refrigerated air-conditioning work.</p>

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of specialised plumbing work</i>	<i>Qualifications and experience required for registration under section 221OA to carry out a class of specialised plumbing work</i>	<i>Qualifications and experience required for licence under section 221N to carry out a class of specialised plumbing work</i>
3	Type A appliance conversion work	The following qualifications are required— (a) the holding of a registration to carry out gasfitting work; and (b) successful completion of the Commission's examination of competencies for type A appliance conversion work.	The following qualifications are required— (a) the holding of a licence to carry out gasfitting work; and (b) successful completion of the Commission's examination of competencies for type A appliance conversion work.
4	Type A appliance servicing work	The following qualifications are required— (a) the holding of a registration to carry out gasfitting work; and (b) successful completion of the Commission's examination of competencies for type A appliance servicing work.	The following qualifications are required— (a) the holding of a licence to carry out gasfitting work; and (b) successful completion of the Commission's examination of competencies for type A appliance servicing work.

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Item number</i>	<i>Class of specialised plumbing work</i>	<i>Qualifications and experience required for registration under section 221OA to carry out a class of specialised plumbing work</i>	<i>Qualifications and experience required for licence under section 221N to carry out a class of specialised plumbing work</i>
5	Type B gasfitting work	<p>The following qualifications are required—</p> <p>(a) the holding of a registration to carry out gasfitting work; and</p> <p>(b) the holding of a disconnect/reconnect licence; and</p> <p>(c) successful completion of the Commission's examination of competencies for type B gasfitting work.</p> <p>The experience required is employment for 2 years in type B gasfitting work.</p>	<p>The following qualifications are required—</p> <p>(a) the holding of a licence to carry out gasfitting work; and</p> <p>(b) the holding of registration to carry out type B gasfitting work; and</p> <p>(c) the holding of a disconnect/reconnect licence; and</p> <p>(d) successful completion of the Commission's examination of competencies for type B gasfitting work.</p>
6	Type B gasfitting advanced work	<p>The following qualifications are required—</p> <p>(a) the holding of a registration to carry out type B gasfitting work; and</p> <p>(b) successful completion of the Commission's examination of competencies for type B gasfitting advanced work.</p>	<p>The following qualifications are required—</p> <p>(a) the holding of a licence to carry out type B gasfitting work; and</p> <p>(b) successful completion of the Commission's examination of licence competencies for type B gasfitting advanced work.</p>

SCHEDULE 4

Regulation 43

FEEES

<i>Column 1</i> <i>Item</i> <i>number</i>	<i>Column 2</i> <i>Matter</i>	<i>Column 3</i> <i>Fee</i>
1	For an application under section 221M, 221N, 221O, 221OA, 221P, 221Q or 221R of the Act	\$45.00
2	For a licence under section 221M or 221Q of the Act or a renewal of that licence (if not endorsed) under section 221ZB of the Act	\$250.00
3	For registration under section 221O or 221R of the Act or a renewal of that registration (if not endorsed) under section 221ZB of the Act	\$282.00
4	For an endorsement under section 221N or 221OA of the Act	\$25.00
5	For a renewal of an endorsed licence or registration under section 221ZB of the Act	\$250.00 plus \$25.00 for each endorsement on the licence or registration
6	For provisional registration under section 221P of the Act or a renewal of provisional registration under section 221ZB of the Act	\$94.00
7	For a temporary licence under section 221W of the Act	\$62.00
8	For temporary registration under section 221W of the Act	\$25.00
9	For a late renewal under section 221ZE of the Act	\$62.00
10	For a duplicate licence or certificate of registration under section 221Y of the Act	\$25.00

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<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Matter</i>	<i>Fee</i>
11	For an application to modify the plumbing regulations under section 221ZZO of the Act	\$94.00
12	For an application for a practical examination conducted by, or on behalf of, the Commission	\$137.00
13	For an application for a theory examination conducted by, or on behalf of, the Commission	\$50.00

SCHEDULE 5

Regulations 48, 49 and 50

TRANSITIONAL

CLASSES AND TYPES OF PLUMBING WORK

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Class of plumbing work prescribed under the old Regulations</i>	<i>Class or classes of plumbing work, or types of a class of plumbing work, prescribed under these Regulations</i>
1	Plumbing (Backflow Prevention) work	Backflow prevention work
2	Plumbing (Draining) work	Drainage work
3	Plumbing (Gasfitting) work	Gasfitting work and Type A appliance servicing work
4	Plumbing (Mechanical Services) work	Mechanical services work and Refrigerated air-conditioning work
5	Plumbing (Residential and Domestic Fire Sprinkler Systems) work	Fire protection work relating only to a residential or domestic fire sprinkler system
6	Plumbing (Roofing (Stormwater)) work	Roofing (stormwater) work
7	Plumbing (Sanitary) work	Sanitary work
8	Plumbing (Type A Gas Appliance Conversion) work	Type A appliance conversion work
9	Plumbing (Type B Gasfitting) work	Type B gasfitting work and Type B gasfitting advanced work

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Sch. 5

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Item number</i>	<i>Class of plumbing work prescribed under the old Regulations</i>	<i>Class or classes of plumbing work, or types of a class of plumbing work, prescribed under these Regulations</i>
10	Plumbing (Water Supply) work	Water supply work and Irrigation (non-agricultural) work and Fire protection work relating only to a fire hydrant, hose reel or a residential or domestic fire sprinkler system in a residential building of more than 4 storeys

ENDNOTES

1. General Information

The Plumbing Regulations 2008, S.R. No. 136/2008 were made on 18 November 2008 by the Governor in Council under sections 221ZZZV and 262 of the **Building Act 1993**, No. 126/1993 and came into operation on 24 November 2008: regulation 3.

The Plumbing Regulations 2008 will sunset 10 years after the day of making on 18 November 2018 (see section 5 of the **Subordinate Legislation Act 1994**).

Endnotes

2. Table of Amendments

There are no amendments made to the Plumbing Regulations 2008 by statutory rules, subordinate instruments and Acts.

3. Explanatory Details

¹ Reg. 5: S.R. No. 49/1999. Reprint No. 1 as at 26 September 2007.
Reprinted to S.R. No. 58/2004.

² Reg. 47: S.R. No. 148/1998, revoked by regulation 4 (Schedule 1).

Table of Applied, Adopted or Incorporated Matter Required by the Subordinate Legislation Regulations 2004

Note that the following table of applied, adopted or incorporated matter is included in accordance with the requirements of regulation 5 of the Subordinate Legislation Regulations 2004.

In this table—

AS 4234—1994 means AS 4234—1994 Solar water heaters—Domestic and heat pump—Calculation of energy consumption, published by Standards Australia 22 August 1994;

AS/NZS 3500.1:2003 means AS/NZS 3500.1:2003 Plumbing and drainage Part 1: Water Services, published jointly by Standards Australia and Standards New Zealand 15 December 2003;

AS/NZS 3500.2:2003 means AS/NZS 3500.2:2003 Plumbing and drainage Part 2: Sanitary plumbing and drainage, published jointly by Standards Australia and Standards New Zealand 15 December 2003, reissued August 2006;

AS/NZS 3500.4:2003 means AS/NZS 3500.4:2003 Plumbing and Drainage Part 4: Heated water services, published jointly by Standards Australia and Standards New Zealand 15 December 2003, reissued November 2005;

HB 276—2004 means A Guide to Good Practice for Energy Efficient Installation of Residential Heating, Cooling and Air Conditioning Plant and Equipment, published jointly by Standards Australia and the Plumbing Industry Commission in 2004;

PCA means the Plumbing Code of Australia, produced by the National Plumbing Regulators Forum, published December 2004;

Principal Regulations means the Plumbing Regulations 2008.

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Regulation 7 of the Principal Regulations	PCA	The whole except as set out in Regulation 8
Regulation 9(1) of the Principal Regulations	PCA	The whole except as set out in Regulation 8
Regulation 9(2) of the Principal Regulations	PCA	Clause A1.3
Regulation 11(3) of the Principal Regulations	AS/NZS 6400:2005 Water efficient products—Rating and labelling, published jointly by Standards Australia and Standards New Zealand 1 June 2005, reissued December 2006.	The whole
Regulation 19(a) of the Principal Regulations	AS 4575—2005 Gas appliances—Quality of servicing, published by Standards Australia 25 February 2005.	The whole
Regulation 19(b) of the Principal Regulations	AS 3814—2005 Industrial and commercial gas-fired appliances, published by Standards Australia 3 August 2005.	The whole
Regulation 19(c) of the Principal Regulations	AS 5601—2004 Gas Installations, published by Standards Australia 4 November 2004.	The whole
Regulation 36 of the Principal Regulations	AS/NZS 3500.1:2003	Column 1 of Table 4.1

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 1 Clause 1(1) of the Principal Regulations	AS/NZS 3500.2:2003	Clause 4.4.2.1
Schedule 2 Part 1 Clause 1(3) of the Principal Regulations	AS/NZS 3500.2:2003 as incorporated by the PCA.	Clauses 13.2.1 and 13.3.2
Schedule 2, Part 1 Clause 2(2)(b) of the Principal Regulations	AS/NZS 3500.2:2003	Clauses 4.6.2 and 4.6.5
Schedule 2, Part 1 Clause 2(3) of the Principal Regulations	AS/NZS 3500.2:2003	Clause 6.8.3
Schedule 2 Part 2 Clause 3(a) of the Principal Regulations	AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, published jointly by Standards Australia and Standards New Zealand 5 November 1999.	The whole
Schedule 2 Part 2 Clause 3(b) of the Principal Regulations	AS 4118.1.1—1996 Fire sprinkler systems Part 1.1: Components—Sprinklers and sprayers, published by Standards Australia 5 June 1996.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 2 Clause 3(c) of the Principal Regulations	AS 4118.1.2—1996 Fire sprinkler systems Part 1.2: Components—Alarm valves (wet), published by Standards Australia 5 January 1996.	The whole
Schedule 2 Part 2 Clause 3(d) of the Principal Regulations	AS 4118.1.3—1995 Fire sprinkler systems Part 1.3: Components—Water motor alarms, published by Standards Australia 5 June 1995.	The whole
Schedule 2 Part 2 Clause 3(e) of the Principal Regulations	AS 4118.1.4—1994 Fire sprinkler systems Part 1.4: Components—Valve monitors, published by Standards Australia 17 January 1994.	The whole
Schedule 2 Part 2 Clause 3(f) of the Principal Regulations	AS 4118.1.5—1996 Fire sprinkler systems Part 1.5: Components—Deluge and pre-action valves, published by Standards Australia 5 January 1996.	The whole
Schedule 2 Part 2 Clause 3(g) of the Principal Regulations	AS 4118.1.6—1995 Fire sprinkler systems Part 1.6: Components—Stop valves and non-return valves, published by Standards Australia 5 April 1995.	The whole
Schedule 2 Part 2 Clause 3(h) of the Principal Regulations	AS 4118.1.7—1996 Fire sprinkler systems Part 1.7: Components—Alarm valves (dry), published by Standards Australia 5 January 1996.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 2 Clause 3(i) of the Principal Regulations	AS 4118.1.8—1999 Fire sprinkler systems Part 1.8: Components—Pressure- reducing valves, published by Standards Australia 5 May 1999.	The whole
Schedule 2 Part 2 Clause 3(j) of the Principal Regulations	AS 2941—2002 Fixed fire protection installations— Pumpset systems, published by Standards Australia 30 May 2008, reissued May 2008.	The whole
Schedule 2 Part 2 Clause 3(k) of the Principal Regulations	AS 2118.2—1995 Automatic fire sprinkler systems Part 2: Wall wetting sprinklers (Drenchers), published by Standards Australia 5 April 1995.	The whole
Schedule 2 Part 2 Clause 3(l) of the Principal Regulations	AS 2118.3—1997 Automatic fire sprinkler systems Part 3: Deluge, published by Standards Australia 5 December 1997.	The whole
Schedule 2 Part 2 Clause 3(m) of the Principal Regulations	AS 2118.8—1997 Automatic fire sprinkler systems Part 8: Minor modifications, published by Standards Australia 5 December 1997.	The whole
Schedule 2 Part 2 Clause 3(n) of the Principal Regulations	AS 2118.10—1995 Automatic fire sprinkler systems Part 10: Approval documentation, published by Standards Australia 5 June 1995.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 2 Clause 3(o) of the Principal Regulations	AS 1851—2005 Maintenance of Fire Protection Systems and Equipment, published by Standards Australia 5 September 2005, reissued May 2008.	The whole
Schedule 2 Part 2 Clause 3(p) of the Principal Regulations	AS 1682.2—1990 Fire dampers Part 2: Installation, published by Standards Australia 12 November 1990.	The whole
Schedule 2 Part 3 Clause 4(a) of the Principal Regulations	AS/NZS 2918:2001 Domestic solid fuel burning appliances— Installation, published jointly by Standards Australia and Standards New Zealand 21 November 2001.	The whole
Schedule 2 Part 3 Clause 4(b) of the Principal Regulations	AS 2896—1998 Medical gas systems—Installation and testing of non-flammable medical gas pipeline systems, published by Standards Australia 5 January 1998, reissued October 1999.	The whole
Schedule 2 Part 3 Clause 4(c) of the Principal Regulations	AS 2473.3—2007 Valves for compressed gas cylinders Part 3: Outlet connections for medical gases (including pin-indexed yoke connections), published by Standards Australia 4 December 2007.	The whole
Schedule 2 Part 3 Clause 4(d) of the Principal Regulations	AS 2568—1991 Medical gases—Purity of compressed medical breathing air, published by Standards Australia, 11 February 1991.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 3 Clause 4(e) of the Principal Regulations	AS 2902—2005 Medical gas systems—Low pressure flexible hose assemblies, published by Standards Australia 15 July 2005.	The whole
Schedule 2 Part 3 Clause 4(f) of the Principal Regulations	AS 4859.1:2002 Materials for the thermal insulation of buildings Part 1: General criteria and technical provisions, published by Standards Australia 15 October 2002, reissued December 2006.	The whole
Schedule 2 Part 3 Clause 5 of the Principal Regulations	HB 276—2004.	The whole
Schedule 2 Part 3 Clause 6(1)(b) of the Principal Regulations	AS/NZS 3500.2:2003.	Clauses 4.6.7.8 and 11.22
Schedule 2 Part 4 Clause 7(a) of the Principal Regulations	AS/NZS 1677.1:1998 Refrigerating Systems Part 1: Refrigerant classification, published jointly by Standards Australia and Standards New Zealand 5 January 1998, reissued July 2002.	The whole
Schedule 2 Part 4 Clause 7(b) of the Principal Regulations	AS/NZS 1677.2:1998 Refrigerating Systems Part 2: Safety requirements for fixed applications, published jointly by Standards Australia and Standards New Zealand 5 January 1998, reissued December 2000.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 4 Clause 7(c) of the Principal Regulations	HB 276—2004.	The whole
Schedule 2 Part 4 Clause 7(d) of the Principal Regulations	Australian and New Zealand Refrigerant handling code of practice 2007 Part 1: Self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007.	The whole
Schedule 2 Part 4 Clause 7(e) of the Principal Regulations	Australian and New Zealand Refrigerant handling code of practice 2007 Part 2: Systems other than self-contained low charge systems, prepared jointly by the Australian Institute of Refrigeration, Air Conditioning and Heating and the Institute of Refrigeration, Heating and Air Conditioning Engineers New Zealand, published September 2007.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 5 Clause 8(a) of the Principal Regulations	SAA HB 39—1997 Installation code for metal roof and wall cladding, published by Standards Australia 1997.	The whole except Appendices B, C and D
Schedule 2 Part 5 Clause 8(b) of the Principal Regulations	AS 1562.1—1992 Design and installation of sheet roof and wall cladding Part 1: Metal, published by Standards Australia 20 July 1992, reissued September 1995.	The whole
Schedule 2 Part 5 Clause 8(c) of the Principal Regulations	AS 1562.3—2006 Design and installation of sheet roof and wall cladding Part 3: Plastic, published by Standards Australia 30 June 2006.	The whole
Schedule 2 Part 5 Clause 8(d) of the Principal Regulations	AS/NZS 4200.1:1994 Pliable building membranes and underlays Part 1: Materials, published jointly by Standards Australia and Standards New Zealand 18 July 1994.	The whole
Schedule 2 Part 5 Clause 8(e) of the Principal Regulations	AS/NZS 4200.2:1994 Pliable building membranes and underlays Part 2: Installation requirements, published jointly by Standards Australia and Standards New Zealand 18 July 1994.	The whole
Schedule 2 Part 5 Clause 8(f) of the Principal Regulations	SAA/SNZ HB 114:1998 Guidelines for the design of eaves and box gutters, published jointly by Standards Australia and Standards New Zealand 1998.	The whole

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Statutory Rule Provision	Title of applied, adopted or incorporated document	Matter in applied, adopted or incorporated document
Schedule 2 Part 6 Clause 9 of the Principal Regulations	AS/NZS 3500.2:2003 as incorporated by the PCA.	Clause 13.2(a)
Schedule 2 Part 7 Clause 15(1)(a) of the Principal Regulations	AS 4234—1994.	The whole
Schedule 2 Part 7 Clause 15(3) of the Principal Regulations	AS 4234—1994 as incorporated by AS/NZS 3500.4:2004 as incorporated by PCA.	Clauses 1.4.11, 1.4.13 and 3.1A
Schedule 2 Part 7 Clause 16 of the Principal Regulations	AS/NZS 3500.1:2003 as incorporated by the PCA.	Clause 9.5.2;
Schedule 2 Part 7 Clause 17 of the Principal Regulations	AS 3500.4:2003 as incorporated by the PCA.	Clauses 1.9.2 and 4.3.2.4A
Schedule 2 Part 8 Clause 18 of the Principal Regulations	AS 2845.2—1996 Water supply—Backflow prevention devices Part 2; Air gaps and break tanks, published by Standards Australia 5 October 1996.	The whole