

**AUSTRALIAN CAPITAL TERRITORY**

**BUILDING ACT 1972**

**ACT APPENDIX TO THE BUILDING CODE OF AUSTRALIA**

NO. 130 of 1994

Pursuant to Section 24 of the *Building Act 1972*, I hereby prepare and publish as the Schedule to this notice an Australian Capital Territory Appendix to the Building Code of Australia. This constitutes part of the Building Code which takes effect on the day on which it is published in the Gazette.

Dated this

27

Day of

June

1994



Bill Wood  
Minister for the Environment, Land and Planning

This is page 1 of the Schedule to the notice of the preparation and publication of an ACT Appendix to the Building Code of Australia made under the Building Act 1972 on the 27 day of June 1994.

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## Section A GENERAL PROVISIONS

### Part A1 INTERPRETATION

Insert in Specification A1.3 the following:

#### ACT Specification A1.3

#### ACT Table 1:

#### Standards Adopted by Reference.

No.	Date	Title	Clause(s)
AS 1141		Methods for sampling and testing aggregates.	
Part 41	1984	Laboratory polishing of aggregate using the horizontal bed machine.	ACT D2.13 ACT D2.103
AS 1200	1988	Boilers and pressure vessels. .. ..	ACT G2.101
AS 1375	1985	Industrial fuel-fired appliances. .. ..	ACT G2.2 ACT G2.102
AS 1670	1986	Automatic fire detection and alarm systems - System design, installation, and commissioning. Amdt 1, Jan 1987 Amdt 2, March 1988 Amdt 3, June 1988	ACT Table E5.101
AS 1691	1985	Rules for the installation of domestic oil-fired appliances (SAA Domestic Oil-fired Appliances Installation Code). Amdt 1, Sept 1985	ACT G2.3 ACT G2.102
AS 1692	1989	Tanks for flammable and combustible liquids.	ACT G2.2
AS 1735		Lifts, escalators and moving walks (SAA Lift Code)	ACT Table E5.101
Part 10	1986	Tests	
AS 1851		Maintenance of fire protection equipment.	ACT Table E5.101
Part 1	1989	Portable fire extinguishers.	
Part 2	1988	Fire hose reels.	
Part 3	1985	Automatic fire sprinkler systems.	
Part 4	1988	Fire hydrant installations.	
Part 5	1981	Automatic smoke/heat venting systems.	
Part 6	1983	Management procedures for maintaining the fire precaution features of air-handling systems.	
Part 6c	1983	Air-handling systems - Fire precaution features - Typical maintenance schedule.	
Part 8	1987	Automatic fire detection and alarm systems.	
Part 10	1989	Emergency warning and intercommunication systems.	
AS 1940	1988	The storage and handling of flammable and combustible liquids (SAA Flammable and Combustible Liquids Code). Amdt 1, Sept 1988 Amdt 2, July 1989 Amdt 3, Oct 1990	ACT G1.102
AS 2118	1982	Automatic fire sprinkler systems (SAA Code for Automatic Fire Sprinklers). Amdt 3, April 1989	ACT Table E5.101
AS 2220	1978	Emergency warning and intercommunication systems.	ACT Table E5.101

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ACT Table 1 continued

AS 2293	Emergency evacuation lighting in buildings.	
Part 2 1987	Inspection and maintenance.	ACT Table E5.101
AS 2665 1983	Smoke/heat venting systems - Design, installation and commissioning.	ACT Table E5.101
AS 2890	Off-street parking.	
Part 1 1986	Car parking facilities.. .. .	ACT D3.2
AS 3500	National Plumbing and Drainage Code	
Part 3 1990	Stormwater drainage	ACT F1.1
AS 3666 1989	Air-handling and water systems of buildings - Microbial control.	ACT Table E5.101
Work Safe Australia Asbestos Code of Practice and Guidance Notes.		ACT A2.101

## Part A2 ACCEPTANCE OF DESIGN AND CONSTRUCTION

Add ACT A2.101 as follows:

### ACT A2.101 Hazardous materials

**Asbestos-based materials:** The removal of asbestos-based materials in any form or in any mixture thereof, or any material containing loose asbestos including asbestos fluff insulation, asbestos sheeting, lagging, fire protection and the like, must be carried out in accordance with the Work Safe Australia Asbestos Code of Practice and Guidance Notes, August 1988 published by the National Occupational Health and Safety Commission.

## Section D ACCESS AND EGRESS

### Part D1 PROVISION FOR ESCAPE

Add ACT D1.101 as follows:

#### ACT D1.101 Notices in fire-isolated stairs

- (a) Every *fire-isolated stairway* must have a notice displayed in a conspicuous position at the landing on each storey level to the effect of the following:

#### OFFENCES RELATING TO FIRE STAIRS

Under the Fire Brigade Act it is an offence to:

1. Place anything in this stairway or any associated passageway leading to the exterior of the building which may impede the free passage of persons;
2. Interfere with or cause obstruction or impediment to the normal operation of fire doors providing access to this stairway; or
3. Remove, damage or otherwise interfere with this notice.

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- (b) In any notice displayed in accordance with (a)-
- (i) the words "OFFENCES RELATING TO FIRE STAIRS" must be in letters not less than 20 mm in height;
  - (ii) all other letters and figures in the remainder of the notice must be not less than 3 mm in height; and
  - (iii) the notice must be clearly legible with lettering of a colour contrasting with the background embossed or cast into a permanent plate securely and permanently fixed to the wall.

## Part D2 CONSTRUCTION OF EXITS

Delete D2.13(b)(v) and insert ACT D2.13(b)(v) as follows:

### **ACT D2.13 Treads and risers**

- (b) (v) treads which have a non-slip finish or a suitable non-slip strip near the edge of the nosings that meet the requirements of AS 1141.41, excluding clauses 10(g) to 10(k), and a minimum polished frictional value of not less than 45 or if the friction coefficient using the Tortus test is above 0.6;

Add ACT D2.103 as follows:

### **ACT D2.103 Paving surfaces in public areas**

Paving and floor surfaces in public areas, such as collonades, arcades and entrance lobbies, must have a non-slip finish which meets the requirements of AS 1141.41, excluding clauses 10(g) to 10(k), and has a minimum polished frictional value of not less than 40 or if the friction coefficient using the "wet" Tortus test is above 0.6.

## Part D3 ACCESS FOR PEOPLE WITH DISABILITIES

Add ACT D3.2(d) as follows:

### **ACT D3.2 Access to buildings**

- (d) a car parking space set aside for people with disabilities satisfies D3.4 if it complies with AS 2890.1.

## Section E SERVICES AND EQUIPMENT

### Part E1 FIRE-FIGHTING EQUIPMENT

Add ACT E1.3(b)(iv) and (v) as follows:

#### ACT E1.3 Fire hydrants

- (b) (iv) be located to suit Fire Brigade operation procedures and must not be more than 90 m from any part of a building; and
- (v) have a copper-alloy wheel operated valve designed to open by a counter-clockwise rotation and fitted with "Storz" type couplings suitable for connection to Fire Brigade equipment.

Delete E1.7(a), (b) and (c) and insert ACT E1.7(a) (b) and (c) as follows:

#### ACT E1.7 Fire and smoke alarms

- (a) An *automatic* fire detection and alarm system, designed to ensure the occupants are given adequate warning so they can evacuate the building in an emergency, must be installed in-
  - (i) a Class 1 building;
  - (ii) a *sole-occupancy* unit in a Class 2 building;
  - (iii) a Class 3 building-
    - (A) of more than 2 *storeys* and which provides sleeping accommodation for more than 12 persons in other than the ground *storey*;
    - (B) where the floor area of the building exceeds 1000 m<sup>2</sup> and where the entrance doorway of any *sole-occupancy unit* is more than 6 m from a road or *open space*; or
    - (C) provides accommodation for the aged, children or people with disabilities;
  - (iv) every Class 5 or 6 building and any Class 4 part therein-
    - (A) where the building is of more than 3 *storeys*; or
    - (B) where the *floor area* of the building exceeds 1000 m<sup>2</sup>;
  - (v) every Class 7 or 8 building and any Class 4 part therein-
    - (A) where the building is of more than 3 *storeys*; or
    - (B) where the *floor area* of the building exceeds 1500m<sup>2</sup>;
  - (vi) every Class 9a building; and
  - (vii) every Class 9b building-

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- (A) where the building provides accommodation for 500 persons or more, calculated in accordance with Table D1.13, in any storey, or
  - (B) where the building provides accommodation for 100 persons or more, calculated in accordance with Table D1.13, in other than the ground storey.
- (b) In a Class 1 or 2 building, (a) is satisfied by-
- (i) a smoke alarm system complying with Specification E1.7;  
or
  - (ii) smoke alarms-
    - (A) complying with AS 3786 or listed in the Scientific Services Laboratory Register of Accredited Products; and
    - (B) where the building is provided with mains electrical power, connected to the mains and having a standby power supply; and
  - (C) in any storey containing bedrooms, installed in suitable locations on or near the ceiling-
    - (i) in a Class 1a or 2 dwelling
      - between each part of the dwelling containing bedrooms and the remainder of the dwelling; or
      - where bedrooms are served by a hallway, in that hallway; or
      - in each bedroom; and
    - (ii) in a Class 1b building
      - in every bedroom and associated hallway; and
  - (D) in any storey not containing bedrooms, at least one installed in a suitable location on or near the ceiling.
- (c) In a Class 3, 5, 6, 7, 8 or 9 building or Class 4 part, (a) is satisfied by an *automatic* fire detection and alarm system complying with Specification E1.7.

## **ACT Specification E1.5 Fire sprinkler systems**

Substitute clause 2 with:

### **2. Adoption of AS 2118**

In addition to the requirements of AS 2118, all sprinkler valve rooms and enclosures containing boosters must be locked and keyed to the Fire Brigade Sprinkler Master Key System.

  
Initials



## Part E5 MAINTENANCE OF SAFETY INSTALLATIONS

Delete E5.2 and insert ACT E5.2 as follows:

### **ACT E5.2 Maintenance requirements**

Safety installations in buildings must be adequately maintained in good order by adequate inspections, testing procedures and maintenance work.

Add ACT E5.101 as follows:

### **ACT E5.101 Maintenance deemed-to-satisfy**

Maintenance inspections, testing, procedures and maintenance work carried out in accordance with ACT E5.102, ACT E5.103 and ACT Table E5.101 satisfies ACT E5.2.

Add ACT E5.102 as follows:

### **ACT E5.102 Maintained items**

The inspection, testing and maintenance in good working order must be carried out:

- (a) in accordance with ACT Table E5.101;
- (b) by a person who is competent to carry out the inspection, testing and maintenance;
- (c) recorded and accounted for in a log book in accordance with ACT E5.103; and
- (d) in the following cases:
  - (i) *required automatic* fire doors, fire windows and fire shutters;
  - (ii) *a required fire main or hydrant*;
  - (iii) *a lift installation*;
  - (iv) *a required emergency lighting system*;
  - (v) *a required automatic fire sprinkler system*;
  - (vi) parts of an air-handling system that are subject to E2.4, E2.5 and E2.7;
  - (vii) *a required smoke exhaust system*;
  - (viii) *a required automatic fire detection and alarm system*.
  - (ix) *a required emergency warning and intercommunication system*.

Add ACT Table E5.101 as follows:

**ACT Table E5.101  
SCHEDULE OF MAINTAINED ITEMS**

Item to be inspected or tested	Nature of inspection and/or test	Frequency of inspection and/or test
<b>Opening protection</b>		
A fire door, fire window and fire shutter where any such element is required to be installed in the particular opening concerned.	Operate and inspect for compliance with the provisions of Section C	AS 1851.7
<b>Egress</b>		
(a) Exits and paths of travel including doors and doorways, exit signs.	Inspect to ensure compliance Sections D and E.	Monthly
(b) Required handrails and balustrades.	Inspect for compliance with the requirements of D2.16 and D2.17.	Annually
(c) Arrangements for safe egress in buildings with special security provisions.	Inspect to ensure the requirements of D2.21 are being complied with.	Weekly
(d) Fail-safe release locking devices.	Inspection and testing to ensure the devices operate effectively.	Weekly
<b>Signs</b>		
(a) Signs concerning use of lifts in the event of fire and fire doors and stairs.	Inspect for legibility and installation in compliance with C3.6, D2.23, ACT D1.101 and Figure E3.3.	Annually
(b) Exit signs illumination		
Internally illuminated signs	Check that the lamp fitted matches the prescribed lamp rating marked on the sign fitting and in the logbook.	AS 2293.2
Externally illuminated signs	Check that illumination is not less than required by E4.8	AS 2293.2
<b>Emergency lighting systems</b>		
Required emergency lighting	Inspect and maintain in accordance with the requirements of AS 2293.2.	AS 2293.2
<b>Fire-fighting equipment</b>		
(a) Required fire mains with associated valves, pumps, booster connections and the like .	As prescribed in AS 1851.3 as though the maintained item is required by that Standard as a wet-pipe and booster system.	AS 1851.3 & 4 as required.
(b) Required portable fire extinguishers.	Required portable fire extinguishers as prescribed in AS 1851.1.	AS 1851.1
(c) Required fire hose reels.	Required fire hose reels as prescribed in AS 1851. 2.	AS 1851.2

Continued ...

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ACT TABLE E5.101 continued:

Item to be inspected or tested	Nature of inspection and/or test	Frequency of inspection
<b>Fire-fighting equipment continued</b>		
(d) <i>Required hydrants.</i>	As prescribed in AS 1851.4 as though they are required by the Standard, to the extent that the provisions of that rule can be applied.	AS 1851.4
<b>Sprinkler systems</b>		
(a) <i>Required sprinkler systems.</i>	As prescribed in AS 1851.3	AS 1851.3
(b) <i>Plans of risk and emergency instructions.</i>	Inspect for presence and legibility to comply with AS 2118.	AS 1851.3
<b>Air-handling systems</b>		
(a) <i>Fans, dampers, filter controls and other air-handling equipment.</i>	As prescribed in AS 1851.6 and AS 1851.6C	AS 1851.6 and AS 1851.6C
(b) <i>Cooling towers, evaporative condensers, warm water storage and spa pools.</i>	Inspect and check for bacterial concentrations associated with Legionnaires disease.	Quarterly - AS 3666
<b>Smoke exhaust systems</b>		
(a) <i>Fan capacities and operation.</i>	As prescribed in AS 1851.5	AS 1851.5 AS 1851.6 and AS 1851.6C
(b) <i>Compartmentation.</i>	As prescribed in AS 2665.	Quarterly
(c) <i>Location of fans and discharge.</i>	As prescribed in Specification E2.6	Quarterly
<b>Automatic fire detection and alarm systems</b>		
(a) <i>Required automatic fire detectors and alarms.</i>	As required in AS 1670.	AS 1851.8
(b) <i>Special situations and precautions and outdoor applications.</i>	Inspect for compliance with AS 1670.	AS 1851.8
(c) <i>Tubular and pressure wave systems.</i>	Inspect for compliance with AS 1670.	AS 1851.8
(d) <i>Protection of lines of wire with melting elements.</i>	Inspect for compliance with AS 1670.	AS 1851.8
(e) <i>Compartmentation of roofs and ceilings.</i>	Ascertain for compliance with AS 1670.	AS 1851.8
(f) <i>Loss of power to master alarm-actuating device.</i>	Test for (simulated) loss of power and compliance with AS 1670.	AS 1851.8
(g) <i>Self-resetting current-limiting device for storage batteries.</i>	Operate and inspect for proper operation and compliance with AS 1670.	AS 1851.8
(h) <i>Clearances</i>	Inspect for compliance with AS 1670.	AS 1851.8

Continued .....

ACT TABLE E5.101 continued:

Item to be inspected or tested	Nature of inspection and/or test	Frequency of inspection and/or test
<b>Lifts</b> Lifts and associated equipment for operation in event of emergency.	Operate under simulated emergency conditions and check for compliance with the provisions of E3.4.	AS 1735
<b>Emergency warning and intercommunication systems</b> Operation in the event of an emergency	Operate under simulated emergency conditions and check for compliance with AS 2220.	AS 1851.10
<b>Fire protection - structure</b> Compartmentation and fire protection of structural members.	Ascertain that any work performed or any occurrence, accidental or otherwise, has not resulted in any reduction in the fire-resistance rating or other fire protection provision of any part of the building installed as required by the BCA and ACT Appendix.	Annually

Add ACT E5.103 as follows:

**ACT E5.103 Logbooks**

A logbook *required* by ACT E5.102 must:

- (a) be kept in a suitable fire-resistant location when not in actual use and be accessible for inspection at all reasonable times; and
- (b) record for each of the maintained items, whether or not other records are required by any applicable Australian Standard;
  - (i) the date of the inspection or test;
  - (ii) the identity of the person making the inspection or test;
  - (iii) the identity of the maintained item inspected or tested;
  - (iv) whether the maintained item was in good working order; and
  - (v) if the maintained item was not in good working order, any remedial work carried out, completed and inspected or tested; and
  - (vi) the result of the inspection or test.
- (c) be retained by the owner for checking for such a period so that for any maintained item the record of the two previous inspections will be available at any time; and

- (d) contain all relevant documents pertaining to the approval granted pursuant to the provisions of the Building Act.

## Section F HEALTH AND AMENITY

### Objectives

Add The objectives to Part F6 as follows:

#### ACT Part F6 Thermal Insulation

A reasonable level of thermal insulation must be provided to conserve energy used for internal heating and cooling of residential buildings.

### Part F1 DAMP AND WATERPROOFING

Delete F1.1 and insert ACT F1.1 as follows:

#### ACT F1.1 Drainage

- (a) The construction of a drainage system and the position and manner of discharge of a stormwater drain must not-
- (i) result in the entry of water into a building;
  - (ii) affect the stability of a building; or
  - (iii) create any unhealthy or dangerous condition on the *site* or within a building.
- (b) Stormwater drainage satisfies (a) if it complies with AS 3500.3.

### Part F3 ROOM SIZES

Add ACT F3.101 as follows:

#### ACT F3.101 Car parking facilities

The design and layout of car parking facilities in buildings and surface car parks including parking spaces and aisle dimensions, parking arrangements, vehicle turning paths and ramp gradients, access driveways and approaches, queuing areas and headroom clearances must comply with AS 2890.1.

Add Part F6 as follows:

#### ACT Part F6 THERMAL INSULATION

##### F6.1 Application of Part

This part applies to Class 1, 2 and 3 buildings.

## F6.2 Provision of thermal insulation

- (a) **R values** - In this Part "R" or "R value" means the thermal resistance of an element if the building measured in  $m^2.K/W$ .
- (b) **Performance requirements** - Residential buildings must have a reasonable level of thermal insulation to conserve energy used for internal heating and cooling.
- (c) **Deemed-to-comply provisions** - Compliance with Table F6 satisfies (b).

**Table F6**

### MINIMUM OVERALL R VALUE

ELEMENT	MINIMUM R VALUE
Roof or Ceiling	R3.4
External walls	R1.7
Ground floor	R1.0

- (d) **Exemptions** - The requirements of this Part do not apply to the following types of construction:
  - (i) a ceiling space or underfloor space where unrestricted access for the installation of insulation will be available after the completion of construction;
  - (ii) cavity brick, earthwall construction, ashlar stone or other masonry walls which have a thickness (excluding any cavity) of not less than 180 mm;
  - (iii) windows, vents and other similar openings in walls, roofs and ceilings; or
  - (iv) a garage forming part of a Class 1, 2 or 3 building which is separated from the habitable rooms of the building by a wall complying with the requirements for an *external wall* in Table F6.
- (e) **Fire Resistance** - When tested in accordance with AS 1530.3 a thermal insulation material must have a Spread-of-Flame Index of 0 and a Smoke-Developed Index not greater than 4.

## Section G ANCILLARY PROVISIONS

### Part G1 MINOR STRUCTURES AND COMPONENTS

Add ACT G1.1(c), (d) and (e) as follows:

#### ACT G1.1 Swimming Pools

(c) Indoor or outdoor permanent bathing, wading and swimming pools must-

(i) where the capacity of the pool exceeds 10 m<sup>3</sup>-

(A) be of the recirculation type in which the water circulation is maintained through the pool by pumps, the water drawn from the pool being clarified and disinfected before being returned to the pool;

(B) have an outlet sump with antivortex cover or grating and have a skimming weir or overflow gutter or channel at high water level; and

(C) have means of egress provided in the form of ladders, steps in the floor of the pool or a ramp;

(ii) pools must be capable of being completely emptied and any discharge or overflow and pool backwash filter must be connected to the sewer drainage system;

(iii) pools must be watertight with smooth surfaces of non-absorbent, non-slip material, light in colour and with rounded corners to facilitate cleaning;

(iv) any surrounding concourses must be graded away from the pool;

(v) diving boards must-

(A) have a non-slip surface;

(B) up to 1 m above water level, be only installed where the depth for diving is not less than 2600 mm; and

(C) over 1 m and up to 3 m above water level, be only installed where the depth for diving is not less than 3000 mm.

(d) Pools in or forming part of buildings other than Class 1 buildings-

(i) where in any part of the pool the depth is less than 1500 mm, the floor grade must not exceed a slope of 1 in 20;

- (ii) permanent signs must be displayed on the side of the pool showing the depth in 300 mm intervals at the deep and shallow ends.
- (e) Luminaires and fixed electrical appliances such as filter pumps located in the pool area must be permanently connected except where it is necessary to remove such equipment for servicing, connection may be made with a water resistant plug socket located-
  - (i) at a height of not less than 450 mm above the maximum water level or above the coping of the pool; or
  - (ii) for an above-ground pool, at a height of not less than 450 mm above ground level, at a distance not less than 1 m from the water's edge.

Add ACT G1.101 as follows:

**ACT G1.101 Dividing fences**

A dividing fence erected on or near the boundary between two adjoining parcels of land, means, for the purposes of the *Dividing Fences Act*-

- (a) a basic urban fence if a timber paling fence of a height of 1.5 m above finished ground level and consisting of-
  - (i) reinforced spade-end precast concrete posts spaced at 2.4 m; and
  - (ii) 75 x 50 mm hardwood rail located at top and bottom of fence and bolt fixed to posts; and
  - (iii) 100 x 12 mm hardwood palings nailed to rails.
- (b) a basic rural fence if a wire fence of a height of 1.2 m above finished ground level and consisting of:
  - (i) Intermediate post - steel line posts spaced at 4 m intervals.  
Strainer post - hardwood post spaced at 40 m intervals with hardwood bracing at corners.
  - (ii) 3 mm galvanised steel wire at top and bottom and at intermediate of fence; and
  - (iii) 1060 mm wide x 40 mm mesh size galvanised wire netting.

Add ACT G1.102 as follows:

**ACT G1.102 Flammable liquids stores**

The construction of storage facilities for the keeping of flammable liquids and dangerous goods as defined under the provisions of the Dangerous Goods Act must comply with-

- (a) all other relevant provisions of the BCA and ACT Appendix; and



- (b) the relevant rules of AS 1940, except that if the separation distance prescribed in Tables 3.1, 3.2 and 4.4 cannot be met, a screen wall with an FRL of at least 120/120/120 and having the prescribed distance should be provided so as to prevent the spread of fire.

Add G1.103 as follows:

### **ACT G1.103 Awnings and projections**

Every awning, projection or the like, attached to, or supported from a building other than a Class 1 or 10 building must-

- (a) comply with B1.1;
- (b) have all supporting members constructed of *non-combustible* material or be lined on the underside with *non-combustible* material;
- (c) if it has a roof, be covered with *non-combustible* or fire-retardant material which is impervious to moisture;
- (d) if projecting over a boundary onto or over unleased land-
  - (i) in no part be less than 2.7 m above finished pavement or finished ground level; and
  - (ii) be set back not less than 750 mm from any kerb or the edge of any place accessible to vehicles; and
  - (iii) where the height to the underside of the awning is at least 3.8 m above finished pavement or ground level, the awning may align with, but not project beyond, the kerb or the edge of any place accessible to vehicles; and
- (e) not have any signs or other attachments projecting lower than 2.3 m above the finished pavement or ground surface.

Add ACT G1.104 as follows:

### **ACT G1.104 Garbage facilities**

- (a) An allotment with up to seven Class 1 buildings must be provided with individual domestic garbage bin storage spaces, or one or more bin enclosures-
  - (i) with at least one garbage bin space with minimum dimension of 600 mm wide x 600 mm deep x 700 mm high for each building or each *sole-occupancy unit* within the building;
  - (ii) located in a position accessible at all times by waste collectors and immediately adjacent to a suitable vehicular roadway.
- (b) An allotment with more than seven Class 1 buildings and every Class 2 to 9 building must be provided with one or more enclosed storage areas to accommodate one or more commercial waste containers-

- (i) with a hard-paved floor area graded to a sump connected to the sewer and with a water tap to facilitate cleaning and with an apron graded 1:20 to the access road; and
- (ii) located in a position accessible at all times to motorised waste compaction vehicles from a suitable roadway; and
- (iii) with minimum dimensions to suit any of the following waste containers as necessary:

No. of Containers	Container size	Enclosure dimension (internal)
1	1.5 m <sup>3</sup>	3 m x 2.3 m x 1.8 m high
2	1.5 m <sup>3</sup>	5 m x 2.3 m x 1.8 m high
1	2.3 m <sup>3</sup>	3 m x 3 m x 1.8 m high
2	2.3 m <sup>3</sup>	5 m x 3 m x 1.8 m high
1	3 m <sup>3</sup>	3 m x 4 m x 1.8 m high

Note: The selection of the size of waste container will depend on the anticipated amount of waste generated from the building and may be determined in accordance with guidelines prepared by Waste Policy and Recycling Section, Department of Urban Services.

- (c) Where storage space for a motorised waste compaction vehicle is provided in a building, that space must have-
  - (i) dimensions of at least 3.6 m wide x 9.0 m length x 3.8 m minimum height clearance;
  - (ii) a floor surface-
    - (A) with gradient in any direction not exceeding 1 in 20;
    - (B) capable of withstanding the loads imposed during the operation of a motorised waste compaction vehicle; and
  - (iii) suitable access roadways, ramps and turning areas providing access to the storage area.
- (d) A roadway in the form of a through laneway or cul-de-sac with turning area satisfies ACT G5.101(a)(b) and (c) if it-
  - (i) withstands the loads imposed during the operation of a motorised waste compaction vehicle; and
  - (ii) provides-
    - (A) a minimum width of 4.5 m for a one-way straight road or 5 m for a cul-de-sac;
    - (B) a minimum internal radius of 8.5 m;
    - (C) a minimum inside radius on all curves of 10 m; and
    - (D) a maximum gradient of 1 in 8.

## **Part G2 HEATING APPLIANCES, FIREPLACES, CHIMNEYS AND FLUES**

Add ACT G2.2(d) and (e) as follows:

### **ACT G2.2 Installation of appliances**

- (d) An industrial fuel-fired appliance: AS 1375;
- (e) storage tanks and other associated fittings: AS 1692, as applicable for tanks in category 1 only.

Add ACT G2.3(e) as follows:

### **ACT G2.3 Open fireplaces deemed to comply**

- (e) in the case of a solid-fuel burning appliance in which the fuel burning compartment is not enclosed-
  - (i) a flue constructed of cast iron, cellulose fibre reinforced cement not less than 9.5 mm thick, galvanised steel not less than 1.2 mm thick or such other material of at least equivalent strength and durability, installed in accordance with Section 6 of AS 1691, as though it is a flue connected to an oil heating appliance;
  - (ii) the heat producing appliance installed to allow ample air circulation and ventilation;
  - (iii) footings and floor structures strengthened as necessary for the imposed load of the fireplace so as to maintain structural adequacy; and
  - (iv) roof penetrations for flues treated in such a manner so as to not impair the structural adequacy of the roof and to be weatherproof.

Add ACT G2.101 as follows:

### **ACT G2.101 Boilers**

- (a) A boiler to which AS 1200 applies, must be provided with a flue and both must be installed in accordance with the relevant rules of the appropriate Standard.
- (b) In relation to any boiler or furnace installed within or forming part of a building:
  - (i) every part of a floor under or within a distance of 1800 mm from a boiler or furnace must be constructed of materials having an FRL of 120/120/120;
  - (ii) every part of a wall within a distance of 1800 mm and every part of a ceiling or roof above and within a distance of 1800 mm from any boiler or furnace must be of *non-combustible* material; and
  - (iii) where the heating unit is self-insulated the provisions of clause G2.101(b)(ii) need not apply.

This is page 19 of the Schedule to the notice of the preparation and publication of an ACT Appendix to the Building Code of Australia made under the Building Act 1972 on the 27 day of June 1994.

Add ACT G2.102 as follows:

**ACT G2.102 Chimneys and flues**

- (a) A flue must not be used to convey the hot products of combustion from more than one appliance or fireplace except in the case of-
- (i) boilers referred to in ACT G2.101 where AS 1200 permits otherwise;
  - (ii) oil-fired appliances referred to in ACT G2.2, where AS 1691, AS 1375, or AS 1940 permits otherwise; or
  - (iii) open fireplaces and solid-fuel burning appliances referred to in G2.2 where AS 2918 permits otherwise.