VICTORIAN BUILDING AUTHORITY

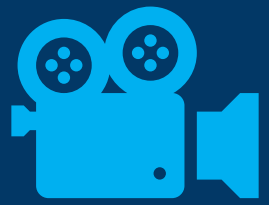
NCC 2022 ROADSHOW

The VBA acknowledges the traditional owners of the land on which we are gathered today.
We pay respects to their Elders, past and present.
We recognize and value, the ongoing contribution of aboriginal people and communities to Victorian life.

NCC 2022 Volume One and Two Building Code of Australia

Housekeeping

Today's session is **recorded** and will be available



Questions can be submitted and voted on via the Q&A function

Introduction

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NCC 2022 Roadshow

Volume One and Two

Building Code of Australia

Presentation Overview

- Timeline
- Common changes
- Volume One
- Volume Two
- Livable Housing
- Q&A

Timeline

1 October 2022

- NCC 2022 full version
- NatHERS load limits
- Whole-of-home efficiency factors
- Livable housing design standard
- Fire safety verification method

1 May 2023

- NCC 2022 Adoption with transition periods

1 October 2023

Transition period ends:

- Livable Housing
- Energy Efficiency
- Condensation Management

Future Education

- More webinars
- New and updated Practice Notes
- Focus:
    - Energy efficiency
    - Livable housing
    - Condensation management

Section 10(2) - Exemption

- Request exemption from relevant building surveyor
- Consider Minister's Guideline 13
- If approved needs to be given in writing

Regulation 233 – Existing Buildings

Bring up building to current NCC if:

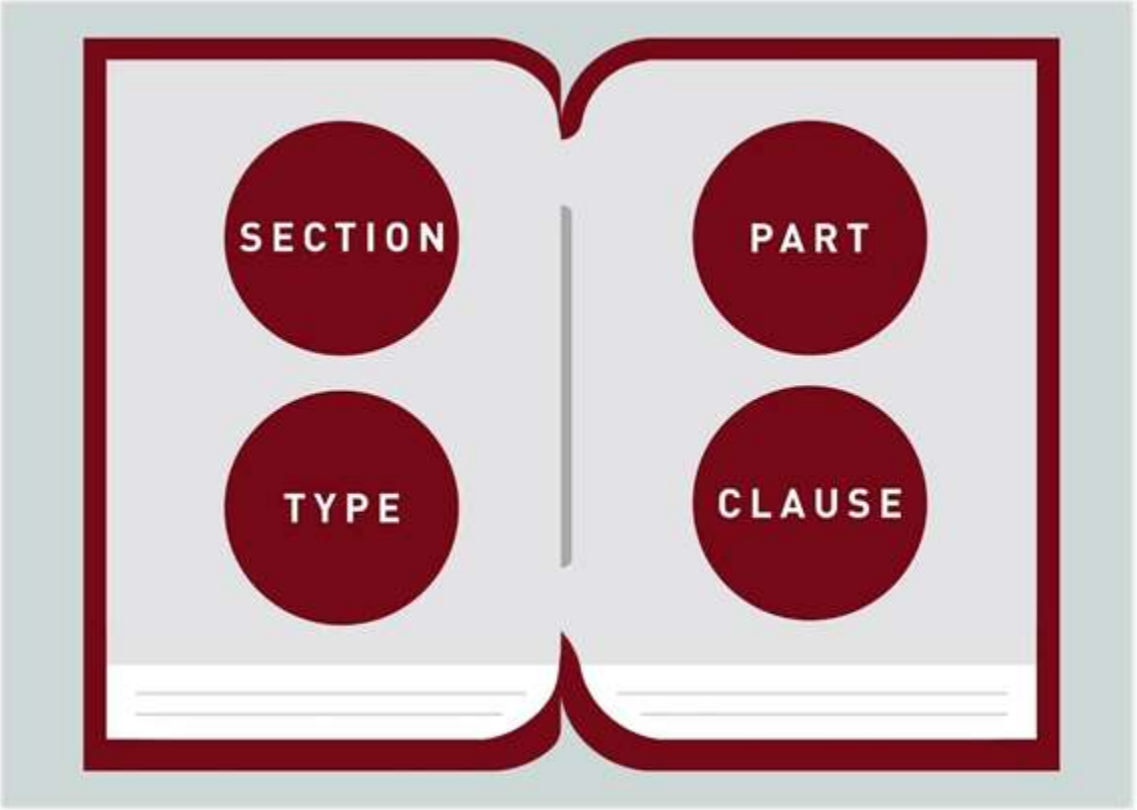
- **Alterations relates to more than 50% of existing building including work within the previous 3 years**
- **Partial compliance may be given by building surveyor**
- **Building Practice Note 12**

Common Changes

- Referencing System – SPTC
- Updated Referenced Standards
- Consolidation and Quantification
- Openings in Barriers
- Livable Housing
- Condensation Management
- Energy efficiency

New Referencing System

- Improved readability
- Solves differences Volume One & Two
- S-P-T-C
- Volume Two now Section H
- Volume One section H is now I



New Referencing System

Reference	Description
Section	B – Structure C – Fire resistance D – Access and Egress …. H – Class 1 and 10 buildings
Part	Refers to the part of the Section.
Type	**G**overning requirements **P**erformance requirement **O**bjectives **F**unctional statement **V**erification method **D**eemed-to-Satisfy Provision **S**pecification
Clause	Clause number within Type group

Example	
H	Class 1 and 10 buildings
4	The fourth part of Section H is titled ‘Health and amenity’.
D	We know it is a Deemed-to-Satisfy Provision.
4	Room heights
H4D4	’Compliance with Part 10.3 of the ABCB Housing Provisions satisfies Performance Requirement H4P2 for room heights.’’

New Referencing System

Reference	Description	Example	
Section	B – Structure C – Fire resistance D – Access and Egress …. H – Class 1 and 10 buildings	**E**	Services and equipment
Part	Refers to the part of the Section.	**2**	Smoke hazard management
Type	**G**overning requirements **P**erformance requirement **O**bjectives **F**unctional statement **V**erification method **D**eemed-to-Satisfy Provision **S**pecification	**P**	We know it is a Performance Requirement
Clause	Clause number within Type group	**1**	Automatic warning for sleeping occupants
		E2P1	‘’A building providing sleeping accommodation must have automatic warning on detection of smoke..’’

New Referencing System

Part 5.2 Masonry veneer

5.2.1 Application

[New for 2022]

(1) Part 5.2 is subject to the limitations set out in H1D5(1)(c).

(2) Part 5.2 need not be complied with if H1D5(1)(a) or (b) are complied with.

5.2.2 Height of wall limitation

[2019: 3.3.5.2]

Masonry veneer walls must not be greater than 8.5 m in height when measured above the adjacent finished ground level.

Table of References

- Available at abcb.gov.au/resources

Volume One

NCC 2019 Reference	NCC 2022 Reference
Preface	
Copyright and Licence notice	Copyright and Licence Notice
Introduction to the National Construction Code (NCC)	Introduction to the National Construction Code (NCC)
Introduction to NCC Volume One	Introduction to NCC Volume One
	List of NCC Specifications
	History of adoption of NCC Volume One
Section A Governing requirements	
Part A1 Interpreting the NCC	Part A1 Interpreting the NCC
	A1G1 Scope of NCC Volume One
	A1G2 Scope of NCC Volume Two
	A1G3 Scope of NCC Volume Three
A1.0 Interpretation	A1G4 Interpretation
Part A2 Compliance with the NCC	Part A2 Compliance with the NCC
A2.0 Compliance	A2G1 Compliance
A2.1 Compliance with the Performance Requirements	
A2.2 Performance Solution	A2G2 Performance Solution
A2.3 Deemed-to-Satisfy Solution	A2G3 Deemed-to-Satisfy Solution
A2.4 A combination of solutions	A2G4 A combination of solutions
Part A3 Application of the NCC in States and Territories	Part A3 Application of the NCC in States and Territories
A3.0 State and Territory compliance	A3G1 State and Territory compliance
Part A4 NCC referenced documents	Part A4 Referenced documents
A4.0 Referenced documents	A4G1 Referenced documents
A4.1 Differences between referenced documents and the NCC	A4G2 Differences between referenced documents and the NCC
A4.2 Adoption of referenced documents	A4G3 Adoption of referenced documents
Part A5 Documentation of design and construction	Part A5 Documentation of design and construction
A5.0 Suitability	A5G1 Suitability
A5.1 Evidence of suitability-Volumes One, Two and Three	A5G2 Evidence of suitability-Volumes One, Two and Three
A5.2 Evidence of suitability-Volumes One and Two	A5G3 Evidence of suitability-Volumes One and Two (BCA)
A5.3 Evidence of suitability-Volume Three	A5G4 Evidence of suitability-Volume Three (PCA)
A5.4 Fire-resistance of building elements	A5G5 Fire-resistance of building elements
A5.5 Fire hazard properties	A5G6 Fire hazard properties
A5.6 Resistance to the incipient spread of fire	A5G7 Resistance to the incipient spread of fire
A5.7 Labelling of Aluminium Composite Panels	A5G8 Labelling of Aluminium Composite Panels
	A5G9 NatHERS
Part A6 Building classification	Part A6 Building classification
A6.0 Determining a building classification	A6G1 Determining a building classification
A6.1 Class 1 buildings	A6G2 Class 1 buildings
A6.2 Class 2 buildings	A6G3 Class 2 buildings

Volume Two & Housing Provisions

NCC 2019 Reference	NCC 2022 Reference	
	Vol 2	Housing Provisions
Preface		
Copyright and Licence Notice	Copyright and Licence Notice	Copyright and Licence Notice
		How to use the Housing Provisions
Introduction to the National Construction Code (NCC)	Introduction to the National Construction Code (NCC)	
Introduction to NCC Volume Two	Introduction to NCC Volume Two	
	List of NCC Specifications	
	History of Adoption – NCC Volume Two	
Section 1 Governing requirements		
Part A1 Interpreting the NCC	Part A1 Interpreting the NCC	
	A1G1 Scope of NCC Volume One	
	A1G2 Scope of NCC Volume Two	
	A1G3 Scope of NCC Volume Three	
A1.0 Interpretation	A1G4 Interpretation	
Part A2 Compliance with the NCC	Part A2 Compliance with the NCC	
A2.0 Compliance	A2G1 Compliance	
A2.1 Compliance with the Performance Requirements		
A2.2 Performance Solution	A2G2 Performance Solution	
A2.3 Deemed-to-Satisfy Solution	A2G3 Deemed-to-Satisfy Solution	
A2.4 A combination of solutions	A2G4 A combination of solutions	
Part A3 Application of the NCC in States and Territories	Part A3 Application of the NCC in States and Territories	
A3.0 State and Territory compliance	A3G1 State and Territory compliance	
Part A4 Referenced documents	Part A4 Referenced documents	
A4.0 Referenced documents	A4G1 Referenced documents	

Updated Referenced Standards

Referenced Standard	
AS 3740 – 2021	Waterproofing of domestic wet areas
AS 1684.2 – 2021	Residential timber framed construction
AS 4055 – 2021	Wind loads for housing
AS 1170.2 - 2021	Structural design actions - Wind actions
AS 2419.1 - 2021	Fire hydrant installations
AS 4100 – 2020	Steel structures
AS 1288 – 2021	Glass in buildings
AS 3500 – 2021	Plumbing and drainage
AS 1720.4 - 2018	Timber structures – Fire resistance for structural adequacy of timber members

AS 1530 Fire Test Reports

- ABCB NCC 2019 Corrigendum V2
- AS 1530 test reports
- NCC 2022:
  - AS 1530.4 – ~~1999~~ **2014**

NCC

NCC 2019 and NCC 2019 Amendment 1
Corrigendum

NCC 2019 and NCC 2019 Amendment 1 are corrected by this corrigendum as follows:

Schedule 4 Referenced documents

Delete *Note (2) to Table 1 and* ***insert*** *Note (2) as follows:*

(2) For AS 1530 Parts 1 to 4:

(a) Until 1 May 2023, subject to the note to AS 4072.1, reports relating to tests carried out under earlier editions of AS 1530 Parts 1 to 4 remain valid.

(b) Reports relating to tests carried out after the date of an amendment to a Standard must relate to the amended Standard.

Delete *Note (4) to Table 1 and* ***insert*** *Note (4) as follows:*

(4) For AS 1670.1, AS 1670.3 and AS 1670.4, notwithstanding A4.0(5), until the adoption of NCC 2025 the editions of the documents listed in Table 1.8 of AS 1670.1, AS 1670.3 and AS 1670.4 may be used to meet the requirements of AS 1670.1, AS 1670.3 and AS 1670.4 as applicable.

Delete *Note (9) to Table 1 and* ***insert*** *Note (9) as follows:*

(9) For AS 4072.1, until 1 May 2023, systems tested to AS 1530.4 prior to 1 January 1995 need not be retested to comply with the provisions of AS 4072.1.

List of amendments (NCC 2019 only)

Schedule 4—Documents adopted by reference

Delete *row for AS 1530 and* ***insert*** *row for AS 1530 as follows:*

Reference	Changes and Commentary
AS 1530	The note to AS 1530 permitting use of reports relating to tests carried out under earlier editions of AS 1530 Parts 1, 2 and 4 has been amended to include an expiry date of 1 May 2023.

Delete *row for AS 4072.1 and* ***insert*** *row for AS 4072.1 as follows:*

Reference	Changes and Commentary
AS 4072.1	The note to AS 4072.1 permitting use of reports relating to tests carried out under AS 1530.4 prior to 1 January 1995 has been amended to include an expiry date of 1 May 2023.

Quantification of Performance Requirements

- Sound transmission and insulation - F7P1 to P4 & H4P6
- Bushfire resistance – G5P1, H7P5 – P6.
- Rainwater management – F1P1 to P3 & H2P1
- Fire safety – H3P1
- Energy efficiency – H6P1, H6P2, J1P1 to P4

Quantification - Spread of fire

NCC 2019 Amdt 1:

P2.3.1 Spread of fire

(a) A Class 1 building must be protected from the spread of fire from—

(i) another building other than an associated Class 10 building; and

(ii) the allotment boundary, other than a boundary adjoining a road or public space.

(see Figure 2.3.1)

NCC 2022:

H3P1 Spread of fire

[2019: P2.3.1]

SA H3P1(1)

(1) A Class 1 building must be protected from the spread of fire such that the probability of a building not being able to withstand the design heat flux of 92.6 kW/m² for a period of 60 minutes shall not exceed 0.01, when located within 900 mm from the allotment boundary or within 1.8 m from another building on the same allotment from—

(a) another building other than an associated Class 10 building; and

(b) the allotment boundary, other than a boundary adjoining a road or public space (see Figure H3P1).

Openings in Barriers

- D3D19(6) & 11.3.4(5):
  - Where a required barrier is fixed to the vertical face… the opening formed between the barrier and the face must not exceed 40 mm.

Wet Areas

- Waterproof shower walls 1800 mm above floor substrate

- Floor wastes need to fall:
  - Min 1:80 (12.5mm over 1m)
  - Max 1:50 (20mm over 1m)

Falls to Floor Wastes

- AS 3740-2010 allowed 1:100 in showers with vertical separation

- AS 3740-2021 and housing provision requires min 1:80 fall

Falls to Floor Wastes

- ~~AS 3740-2010 allowed 1:100 in showers with vertical separation~~

- AS 3740-2021 and housing provision requires min 1:80 fall

Wet Areas

Handheld bidet sprays:

- Waterproof entire floor of room
- Waterproof 150mm up walls within 900mm
- Waterproof penetration
- Tile 1200mm up walls within 900mm

Condensation Management

- Class 4 vapour permeable – AS 4200.1

Exhaust systems:

- Kitchens, rangehoods, bathrooms, sanitary compartments, laundries
- Discharge to outdoor air
- If insufficient natural ventilation:
  - Provide make up air, and
  - run 24/7 or
  - interlocked with light switch + run 10mins after light switch off.

Roof Space Ventilation

- Minimum 20mm air gap
- Located immediately under an unsarked tiled roof, or
- Ventilated to outdoor air in evenly distributed openings
- Does not apply to:
  - Concrete roof
  - Building in BAL flame zone

Figure 10.8.3 (explanatory): Example of roof space with low level ventilation

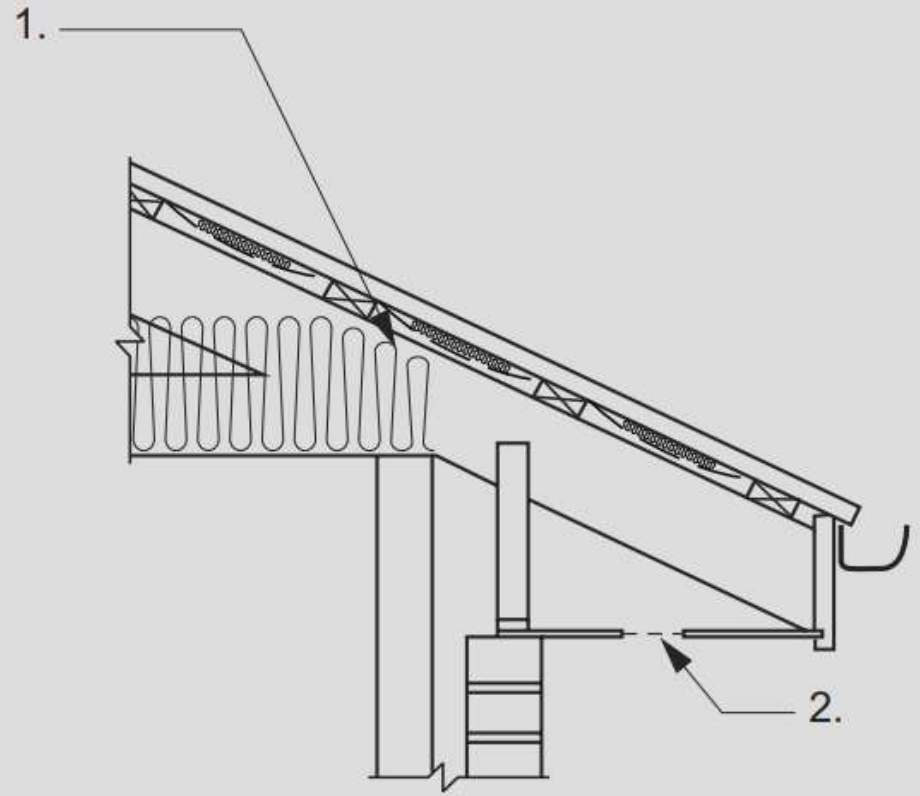


Figure Notes

(1) Minimum 20 mm gap maintained between insulation and sarking.

(2) Eave ventilation opening in accordance with Table 10.8.3.

Energy Efficiency

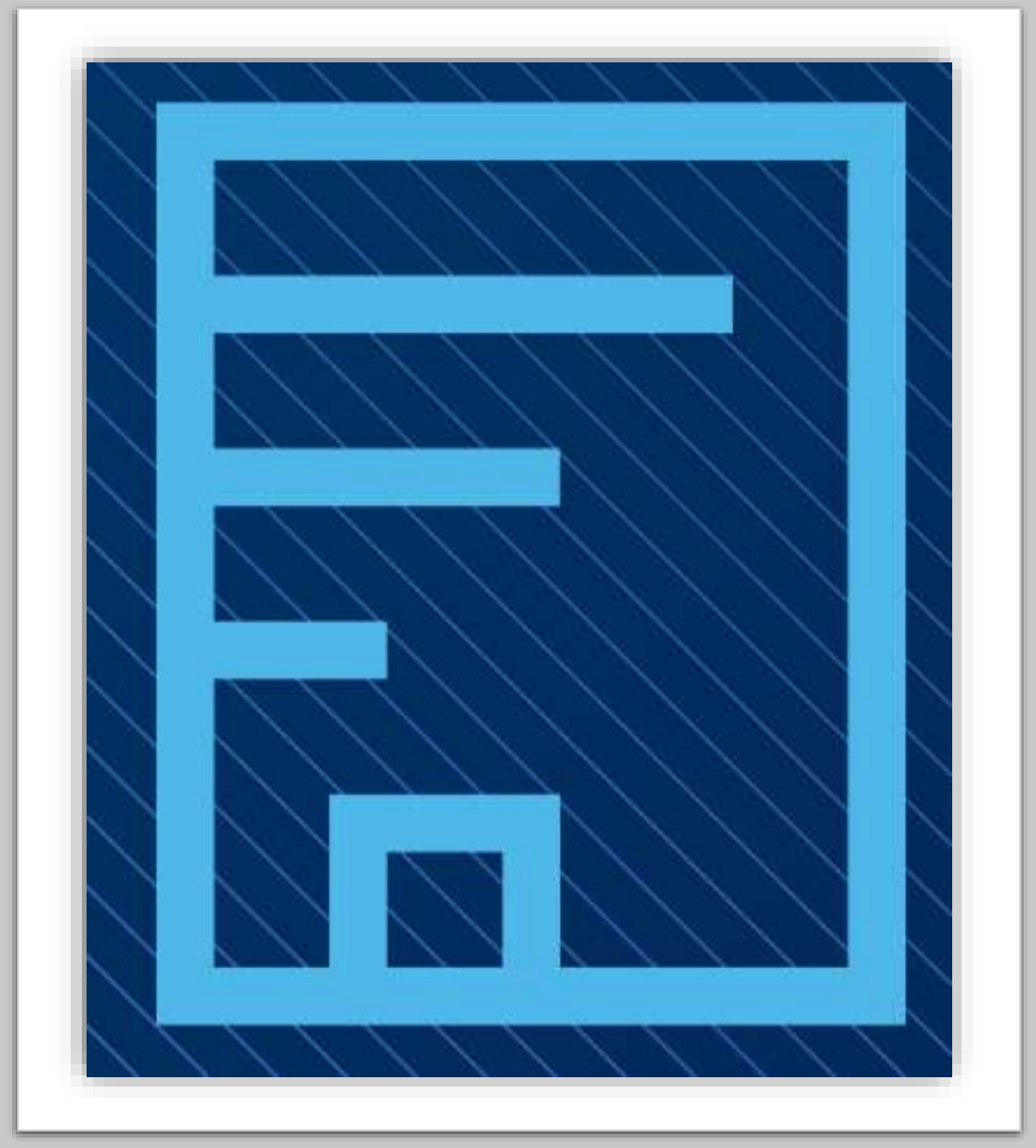
- Transition period – 1 October 2023
- Education resources and training to come
- 7 star buildings
- Whole of home approach:
  - Air conditioning
  - Water heater
  - Swimming pool pump
  - Solar panels

Livable Housing

- Class 1a building (houses and town houses)
  Class 2 sole-occupancy units (individual apartments)
- Based on the Livable Housing Design Guidelines – Silver Standard
- Key Principles:
  - Step free entry
  - Comfortable and unimpeded movement between rooms
  - Toilet at ground or entry level with circulation space
  - At least 1 shower needs to be hobless and step-free.

Volume One

- Numbering of Specifications
- Non-combustible Materials
- Multi-storey Primary Schools
- Early Childhood Centers
- Weatherproofing
- Class 9 in Bushfire Prone Areas



Numbering of Specifications

NCC 2019 Vol One – Section D	NCC 2022 Vol One – Section D
Part D1 – Provision for escape	Part D1 – Provision for escape
Part D2 – Construction of exists	Part D2 – Construction of exists
Part D3 – Access for people with a Disability	Part D3 – Access for people with a Disability
Specification D1.12 - Non-required stairways, ramps and escalators	Specification 14 - Non-required stairways, ramps and escalators
Specification D3.6 - Braille and tactile signs	Specification 15 - Braille and tactile signs
Specification D3.10 – Accessible water entry/exist for swimming pools	Specification 16 – Accessible water entry/exist for swimming pools

Tables converted to text

NCC 2019 Tables:	
D2.16a	Barriers to prevent falls
E1.5	Requirement for sprinklers
E2.2 a & b	Smoke hazard management
E3.6 a & b	Passenger lifts
F1.7	Waterproofing requirements

E1D11 Where sprinklers are required: Class 9b buildings

[2019: Table E1.5]

(1) In a Class 9b building, other than an *early childhood centre*, see Part I1.

(2) In a building containing a Class 9b *early childhood centre*, sprinklers are *required* throughout the whole building, including any part of another class.

Non-combustible Elements

Part C2

- Expansion on non-combustible materials
- Clarification of ancillary elements

(5) Tl
co
(a
(b
(c
(d
(e
(f)
(g
(h

(l) Waterproofing material installed in accordance with AS 4654.2 and applied to an adjacent floor surface, including vertical upturn, or a roof surface.

(m) Collars, sleeves and insulation associated with service installations.

(n) Screens applied to vents, weepholes and gaps complying with AS 3959.

(o) Wiper and brush seals associated with doors, windows or other openings.

(p) A gasket, caulking, sealant or adhesive directly associated with (a) to (o).

Limitations

C2D14 does not apply to *ancillary elements* fixed, installed or attached to the internal face or lining of an *external wall*.

Non-combustible Elements

C2D15 Fixing of bonded laminated cladding panels

[New for 2022]

(1) In a building *required* to be of Type A or B construction, externally located bonded laminated cladding panels must have all layers of cladding mechanically supported or restrained to the supporting frame.

(2) An externally located bonded laminated cladding panel need not comply with (1) if it is one of the following:

- (a) A laminated glass system.
- (b) Layered plasterboard product.
- (c) Perforated gypsum lath with a normal paper finish.
- (d) Fibrous-plaster sheet.
- (e) Fibre-reinforced cement sheeting.
- (f) A component of a garage door.

Notes

For (1), mechanical support or restraint means fixing that does not solely rely on chemical adhesive and includes concealed fixing systems such as cassette fixing, channel-type fixing and face fixing.

Explanatory Information

For structural requirements relating to the fixing of cladding, refer to Section B. For most cladding systems, the requirements of Section B will necessitate mechanical fixing of the cladding panel to the supporting frame.

Multi-storey Primary Schools

- D2D23 changed from ‘early childhood centre’ to ‘primary school’.

- Primary schools with a rise in storeys more than 4 or building mixed use:
  - Every storey provide direct egress road or open space

- Includes canteens, staffrooms, offices, halls and the like.

Early Childhood Centres

Section A Governing

- **A6G1:** 10% rule can't be used

Section C Fire resistance

- **C3D6(2):**
  - Must be separated from rest of building by fire rated construction
  - Each storey must contain at least 2 fire compartments
  - Unless exemption applies:
    - the storey provides direct egress to road or open space, or
    - rise in storeys not more than 2 and only use in the building.

Example of exemption not applicable:

Early Childhood Centres

D2 Provision for escape

- **D2D3** - Minimum 2 exits each storey or fire compartment unless exempt

- **D2D4** - Stairways and ramps serving as required exits must be fire-isolated unless exempt

- **D2D16** – Horizontal exits not counted as required exit

Early Childhood Centres

D3 Construction of exits

- **D3D19** – <125 mm openings in barrier of fire-isolated stairways
- **D3D22** – additional lower handrail height 450-700mm
- **D3D27** – Fire isolated exit doors must not be locked from inside unless fail-safe device.

Early Childhood Centres

E1 Fire fighting equipment

- **E1D11** – Sprinklers to be provided unless exempt

- **S17C14** – Quick response sprinklers

- **E2D20** – Smoke detection and alarm system throughout including part of another class unless:
  - Wholly within a storey with direct egress to a road or open space

Weatherproofing DtS Provisions

- **F3D5:**
  - Masonry - AS 3700
  - Autoclaved aerated concrete – AS 5146.3
  - Metal wall cladding – AS 1562.1

Exposed Joints

- New F1D4 – Exposed joints on roofs, balconies, podiums and the like
- Protected as per section 2.9 AS 4654.2
- Not be under or run through planter box, water feature or the like

Bushfire Provisions – Certain Class 9

- New Performance Requirement G5P2

- New DtS Provisions:
  - Limited to BAL 12.5
  - Specification 43 – Detailed requirements
  - Build to BAL 19

- > BAL 12.5 require a Performance Solution + possibly r 129 report and consent

Why BAL 12.5?

- BAL 12.5 - expected exposure not greater than 12.5 kW/m2
- G5P2 (Class 9) has requirements relating to fire fighting activities
- Fire Brigade Intervention Model
- >10kW/m2 – Considered life threatening

Victorian Variations & Additions

New:

- Section A limitation – High risk cladding ban

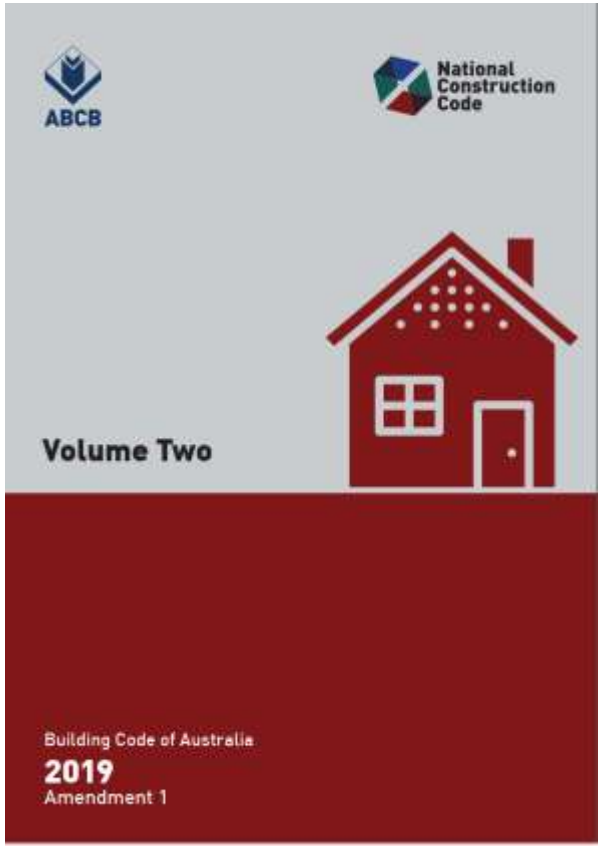
Deletions:

- VIC F3.101 Children's services – size of rooms
- VIC F3.102 Class 3 buildings – size of rooms
- VIC F4.1 Provision of natural light
- VIC F4.2 Methods and extent of natural lighting
- VIC HP101 & H101.5 – Heated water temperature
- VIC H103.1 – Fire safety in Class 2 & 3 buildings

Volume Two

- New Structure – Section H
- Housing Provisions Standard
- Waterproofing
- Rainwater tanks

Volume Two + Housing Provisions



New Structure

2019 Volume Two:	
Part 2.1 - Structure	Part 3.0 – Structural provisions
Part 2.2 – Damp and weatherproofing	Part 3.1 – Site preparation
Part 2.3 – Fire Safety	Part 3.2 – Footings and slabs
Part 2.4 – Health and amenity	Part 3.3 – Masonry
Part 2.5 - Safe movement and access	Part 3.4 – Framing
Part 2.6 – Energy Efficiency	Part 3.5 – Roof and wall Cladding
Part 2.7 Ancillary provisions	Part 3.6 – Glazing
	Part 3.7 – Fire safety
	Part 3.8 – Health and amenity
	Part 3.9 Safe Movement and access

2022 Volume Two Section H	2022 Housing Provisions
Part H1 – Structure	Part 1 – How to use
Part H2 – Damp and weatherproofing	Part 2 – Structure
Part H3 – Fire Safety	Part 3 – Site preparation
Part H4 – Health and amenity	Part 4 – Footings and slabs
Part H5 – Safe movement and access	Part 5 – Masonry
Part H6 – Energy Efficiency	Part 6- Framing
Part H7 – Ancillary provisions	Part 7 – Roof and wall cladding
Part H8 – Livable housing design	Part 8 – Glazing
	Part 9 – Fire Safety
	Part 10 – Health and amenity
	Part 11 – Safe movement and access
	Part 12 – Ancillary provisions

ABCB Housing Provisions

H1D7 Roof and wall cladding

(3) *Performance Requirement* H1P1 is satisfied for roof cladding if it complies with one or a combination of the following:

(a) Terracotta, fibre-cement and timber slates and shingles: AS 4597.

(b) For roof tiles—

(i) AS 2050 or

(ii) Part 7.3 of the ABCB Housing Provisions, provided—

(A) the building is located in an area with a wind class of not more than N3; and

(B) the roof tiles comply with AS 2049; and

(C) the roof has a pitch of not less than 15 degrees and not more than 35 degrees.

Windows

- H1D8 Glazing:

(b) installed such that they comply with—

(i) AS 2047; and

(ii) Part 8.2 of the ABCB Housing Provisions, provided that they are—

(A) in buildings that are within the geometric limits set out in clause 1.2 of AS 4055; and

(B) located in an area with a wind class of not more than N3.

8.2.2 Installation of windows

A4G2 Differences between referenced documents and the NCC

[2019: A4.1]

The NCC overrules any difference between the NCC (including the ABCB Housing Provisions) and a primary referenced document, including any secondary referenced document.

Applications

A4G2 applies to documents referenced in the ABCB Housing Provisions in the same way as for other documents referenced by Volumes One, Two or Three of the NCC.

Waterproofing

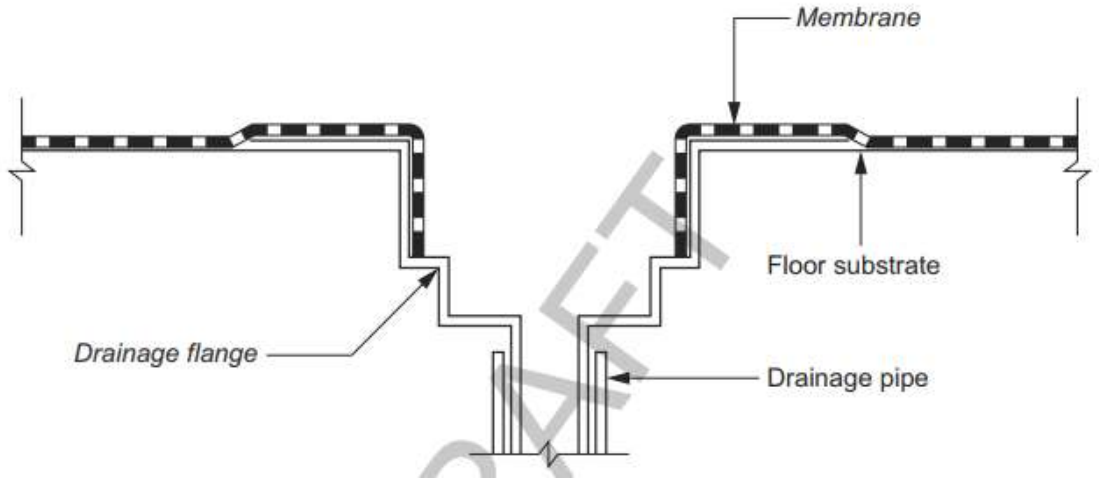
- New waterproofing construction details in Housing Provisions – similar to AS 3740

- Areas to be waterproofed are still found in Housing Provisions Standard.

Leak Control Flange

- Class 1 buildings:
  - Concrete - may sit on top of concrete or tile bed
  - Other floors – recessed into floor substrate or tile bed
- Class 2-9 buildings – must be recessed into substrate

Figure 10.2.29: Typical membrane termination at drainage outlet



Rainwater Tanks

Until 30 September 2023:

- Apply current NCC 2019 requirements
- Rainwater tank or Solar water heater system

From 1 October 2023:

- Variation no longer in NCC.
- Requirement for rainwater tank may be in the Building Regulations in future

Heat Pump Water Heaters

From 1 October 2023:

- Heat pumps can be mains powered
- Energy usage of appliance considered under new Whole of Home Approach
- Consider placement of heat pump due to fan – EPA Victoria

Livable Housing Design Standard

- Dwelling Access
- Dwelling Entrance
- Internal Doors and Corridors
- Sanitary Compartment
- Shower Entry
- Reinforcement of Bathroom and Sanitary Compartment Walls

National Dialogue for Universal Housing Design

Universal Design:

- Be easy to enter, move in and around
- Capable of easy and cost-effective adaptation
- Anticipate and respond to changing needs

Reasons:

- Aging population
- Desire to age in place
- Savings for Australians

Livable Housing Australia

- Not-for-profit organisation
- Voluntary assessment & accreditation
- Was not voluntarily taken up by industry
- Will be in NCC 2022 as mandatory
- Accreditation remains voluntary

Assessor Livable Housing Design

Volume Two

H8P1 Livable housing design

[New for 2022]

A Class 1a building must be provided with—

(a) a continuous and step-free path to a dwelling entrance door from either—

(i) the pedestrian entry at the allotment boundary; or

(ii) an appurtenant Class 10a garage or carport; or

(iii) a car parking space provided for the exclusive use of the occupants of the dwelling; and

(b) at least one level and step-free entrance door into the dwelling from the access path *required* by (a); and

Exemptions

H8P1(a) need not be complied with if—

(a) step-free access cannot be provided from an appurtenant Class 10a garage or carport or a car parking space provided for the exclusive use of the occupants of the dwelling; and

(b) due to *site* conditions, there is no other suitable location on which to construct the access path.

Part 1 - Dwelling access – Class 1a only

1) Continuous path to dwelling entrance door must be provided from an:
   - allotment boundary; or
   - garage or carport; or
   - exclusive car parking space on same allotment

2) Access path must have:
   - no steps
   - max gradient 1:14 in direction of travel
   - minimum 1000 mm wide

Part 1 - Dwelling access – Class 1a only

3) Path may be of any suitable material
4) Exclusive car parking space minimum 3.2m wide x 5.4m long
5) Car parking regulations (reg 78) still applies

Volume Two – Part 1 Exemption

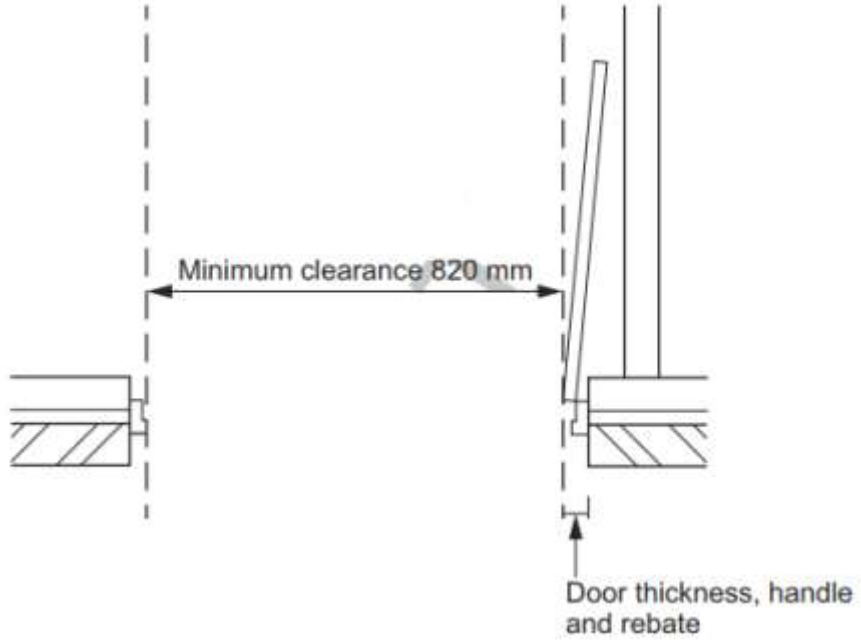
Conditions for exemption:

1. Step-free access from an appurtenant garage, carport or parking space cannot be provided; and

2. One of the following conditions exists:
   - Access path would be steeper than 1:14
   - To provide external step-free access would require a ramp that exceeds max gradients
   - Insufficient space to construct path
   - Difference between boundary and entrance door would require ramp exceeding max gradients

Part 2 - Dwelling entrance

1) At least one entrance door to the dwelling must have a minimum clear opening width of 820 mm; and
2) Threshold that is:
   - level; or
   - sill with rounded lip max 5 mm high; or
   - ramp requirements; or
   - max 15 mm sill lip if the above cannot be used to comply with the damp and weatherproofing requirements.



Part 2 - Dwelling entrance

3) min 1200 mm x 1200 mm landing area
4) Weepholes are not required at dwelling entrance landing area
5) impervious entrances (concrete/tiles) require a grated drainage channel


Step free
Strip drain
Min 820mm
1.2m x 1.2m landing area
• Step free
• Min 1m wide
• <1:14
5.4m
x
3.2m

Part 3 - Internal doors and corridors

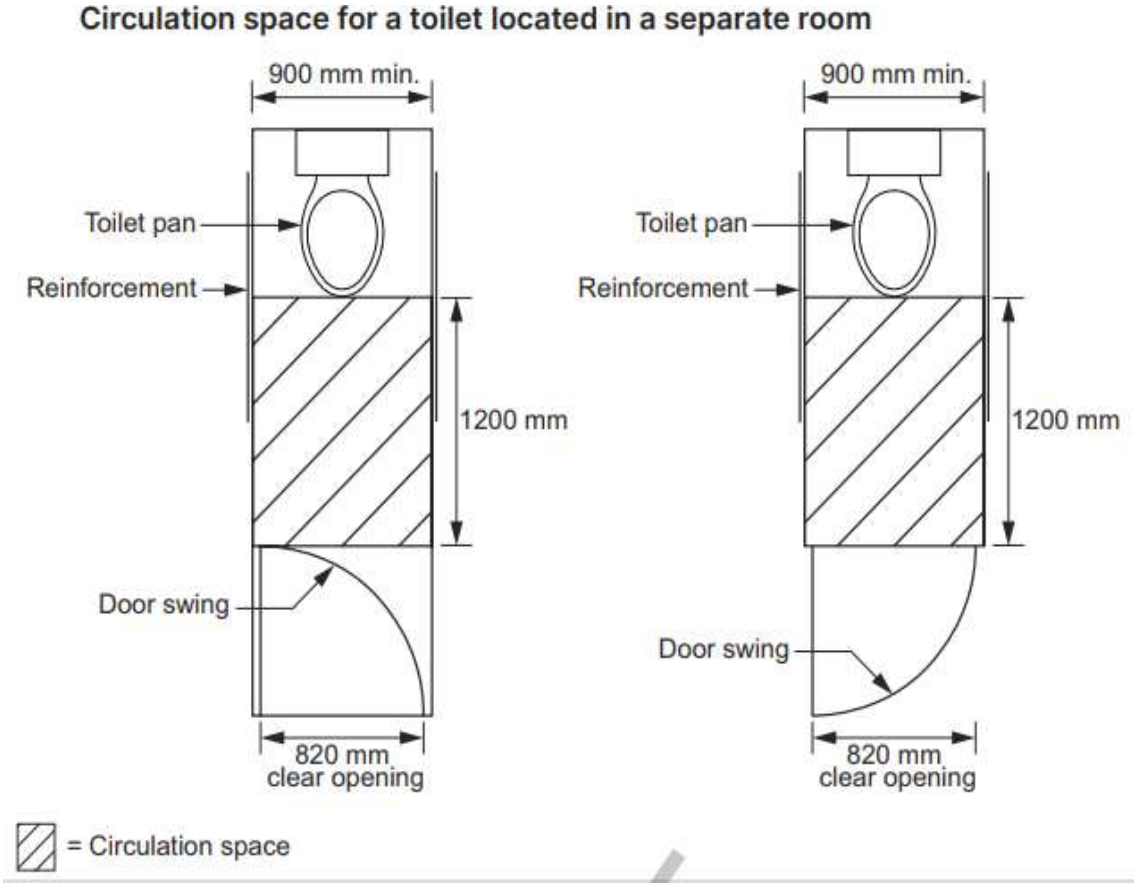
1) Min 820 mm internal door opening
2) Applies to doorways and path of travel to following:
    1) habitable rooms and laundry at ground/entry level
    2) sanitary compartment at ground/entry level
    3) Shower at any storey
3) Threshold:
    1) level; or
    2) max 5mm lip rounded or bevelled; or
    3) ≤ 1:8 gradient

Part 3 - Internal doors and corridors

4) Connected corridors and hallways must be minimum 1000 mm measured between finished surface of opposing walls.

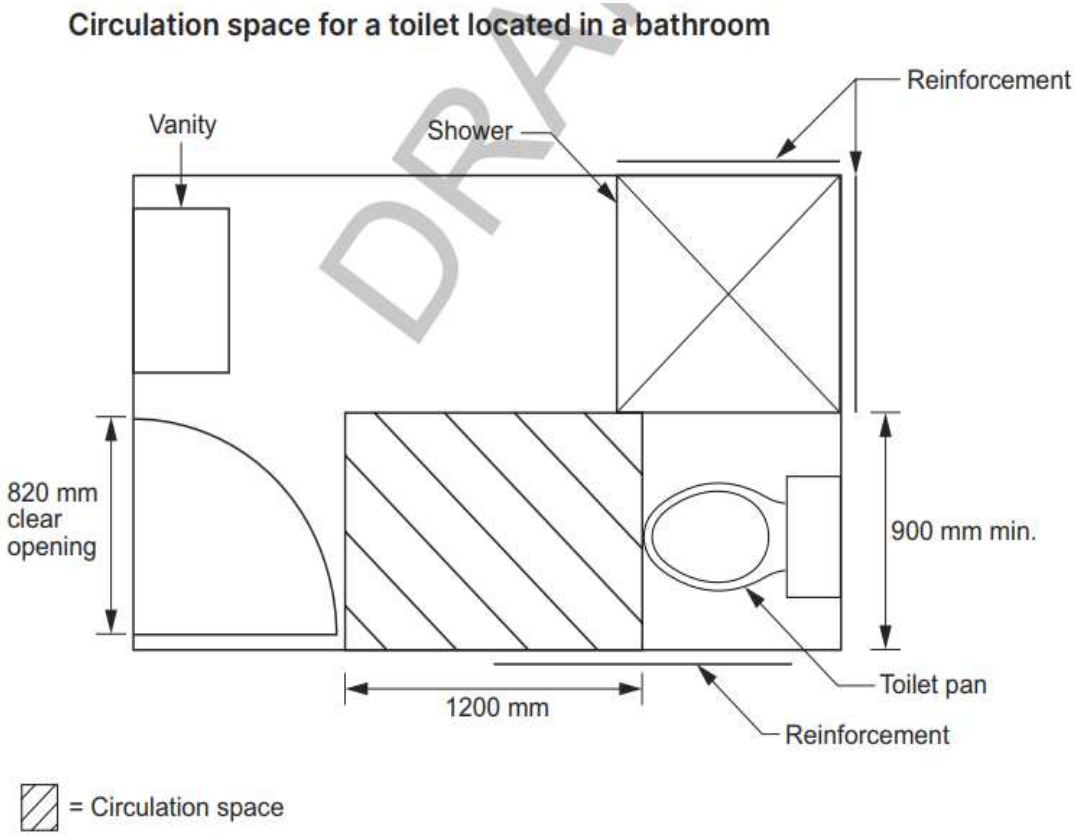
Part 4 - Sanitary compartment

1) One sanitary compartment must be on the ground or entry level.
2) Separate SC must have 900 mm clear width between the walls of the toilet
3) 1200 mm circulation space



Part 4- Sanitary compartment in bathroom

4) Toilet must be adjacent to wall that is reinforced
5) Centre line of toilet be within 450 – 460 mm of the reinforced wall, or fixed obstruction (e.g. basin or vanity)



Part 5 - Shower entry

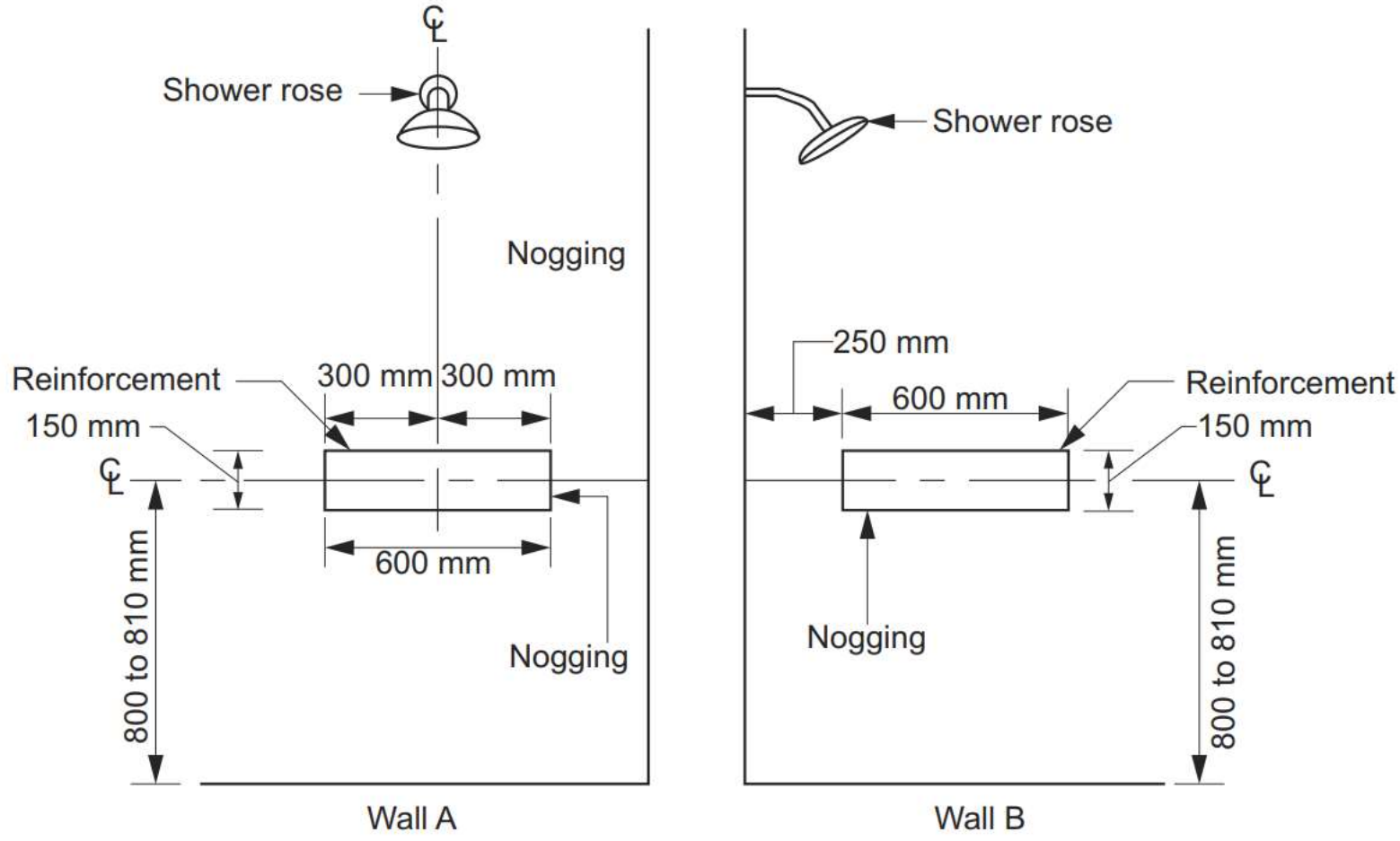
1) Does not have to be on the ground or entry level
2) One shower must be provided that is hobless and step-free
3) 5 mm lip is permitted to comply with waterproofing requirements.

Part 6- Reinforcement of walls

1) Allows for future installation of grabrails.
2) Reinforcement not required for masonry or concrete walls.
3) 12mm structural plywood, min 25mm thick timber or steel framing
4) May be installed in a wall required to be non-combustible

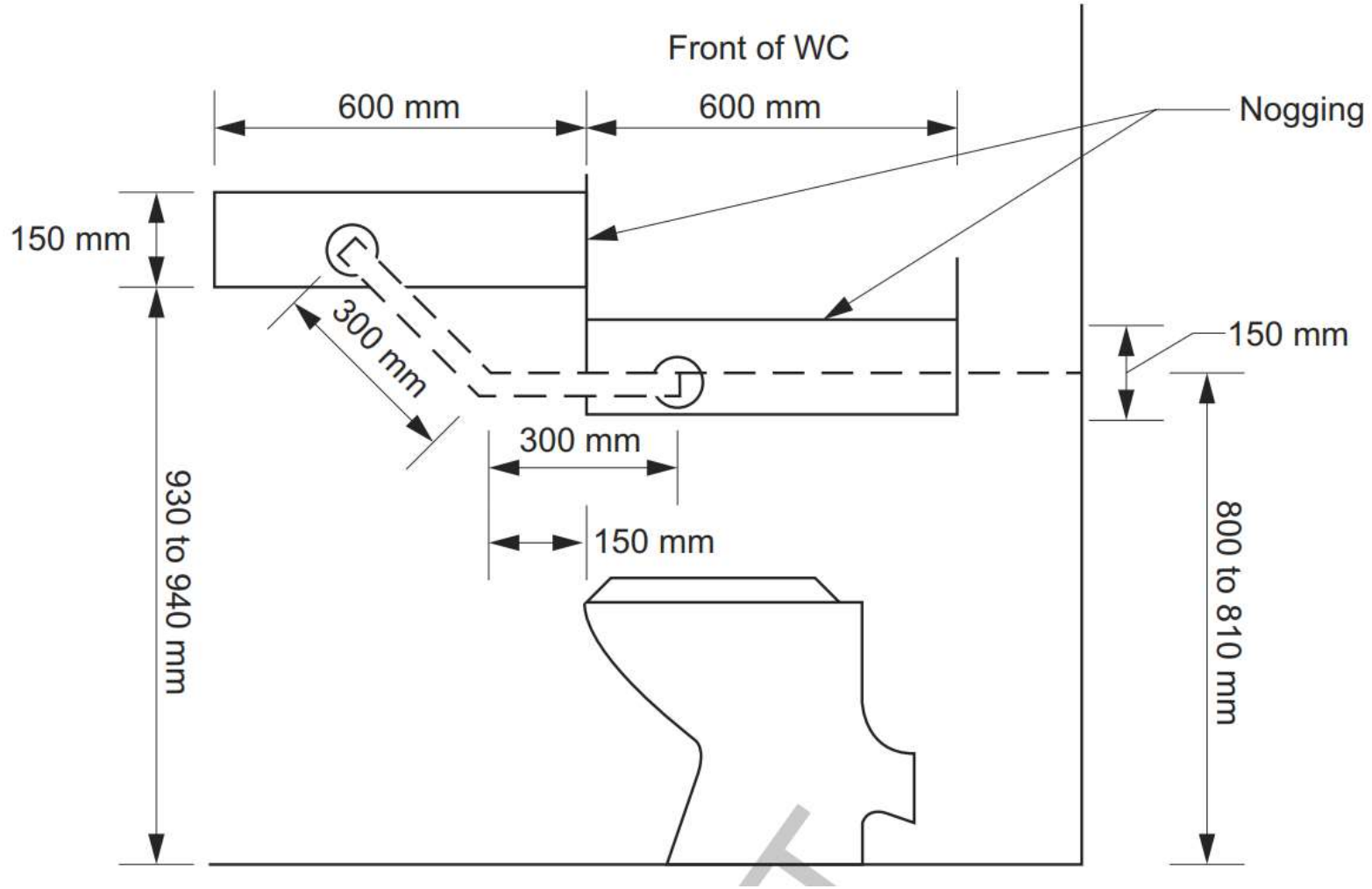
Part 6- Reinforcement of walls

Figure 6.2c: Location of noggings for shower walls



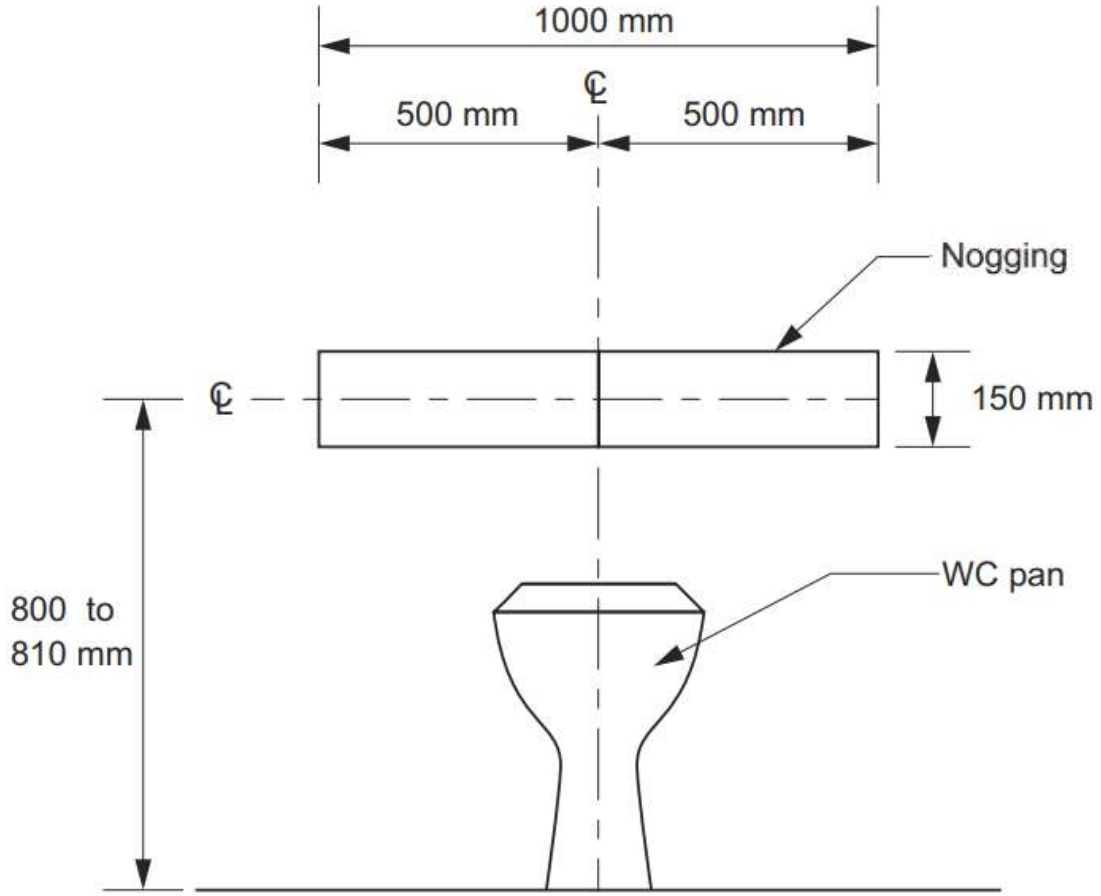
Part 6- Reinforcement of walls

Figure 6.2e: Location of noggings for wall adjacent to a toilet pan



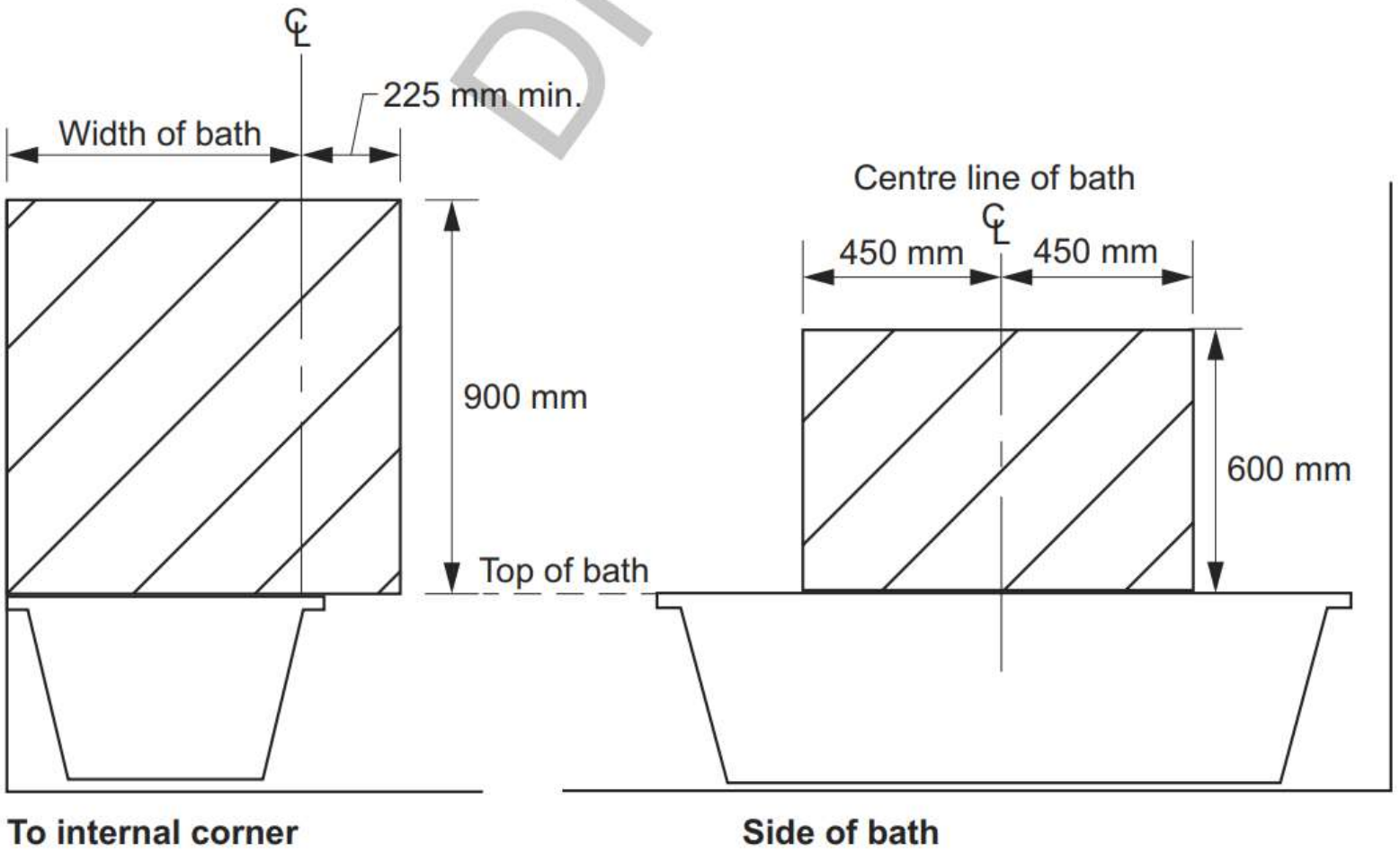
Part 6- Reinforcement of walls

Figure 6.2g: Location of noggings for a wall behind a toilet pan



Part 6- Reinforcement of walls

Figure 6.2b: Location of sheeting for walls surrounding a bath



Frequently Asked Questions

Will drawings need to include landscaping details due to the new livable housing requirements?

How do I apply the livable housing requirements to an existing building?

How can I voluntarily use NCC 2022 instead of NCC 2019?


Q&A

VICTORIAN BUILDING AUTHORITY

Thank you

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VICTORIA State Government