

Appendix 1

AMENDMENTS OF 'SPECIFICATION OF BUILDING WORKS' REV. 26 TO UPDATE NOMINATION OF CONSTRUCTION TO COMPLY WITH REQUIREMENTS OF NCC 2022

References to NCC Vol. 2 2019 amendment 1 as noted should now be read as referencing to relevant and applicable sections and parts of NCC Vol.2 2022, including the ABCB Housing Provisions as follows;

NATIONAL CONSTRUCTION CODE: Where NCC is referenced that nomination refers to the National Construction Code of Australia BCA Vol.1 and/or Vol.2 and/or PCA Vol.3 as amended.

FLOOD HAZARD AREAS: NCC Vol. 2 Part H1D10

BUSHFIRE PRONE AREAS: NCC Vol. 2 Part H7D4, and as varied by; NSW H7D4, QLD H7D4 and SA H7D4

ALPINE AREAS: NCC Vol.2 Part H7D3 and Section 12.2 of the ABCB Housing Provisions

EARTHQUAKE: NCC Vol 2 H1D9 and Section 2 of the ABCB Housing Provisions

CLIMATE ZONES: NCC Vol. 2 Table 2, and Table 3

TERMITE MANAGEMENT SYSTEM: NCC Vol. 2 Part H1D3 and Part 3.4 of the ABCB Housing Provisions

EARTHWORKS AND EXCAVATIONS: NCC Vol. 2 Part H1D3 and Part 3.2 of the ABCB Housing Provisions

Piled footings: NCC Vol. 2 Part H1D12

CONCRETE: NCC Vol. 2 Part H1D4

MASONRY: NCC Vol. 2 Part H1D5 and Part 5 of the ABCB Housing Provisions

Weatherproofing of Masonry: H2D4 or Part 5.7 part 8.3 of the ABCB Housing Provisions

FRAMING: Generally: NCC Vol. 2 part H1D6(1)&(7) and Part 6 of the ABCB Housing Provisions

Timber: H1D6(4)

Steel: H1D6(3)

Structural Steel: H1D6(2),(5)&(6)

Attachment of framed decks and balconies to external walls of buildings using a waling plate: H1D11 and clause 12.3.2 & 12.3.4 of the ABCB Housing Provisions

Sub-Floor Ventilation: H2D5 and Part 6.2 of the ABCB Housing Provisions

ROOFING: Generally: NCC Vol. 2 part H1D7(1)

Sheet Roofing and Flashings: NCC Vol. 2 part H1D7(2) and part 7.2 of the ABCB Housing Provisions

Roof Tiles and Flashings: NCC Vol. 2 part H1D7(3)(a)&(b) and / or part 7.3 of the ABCB Housing Provisions

Sarkings: NCC Vol. 2 part H3D2 and part 7.3.4 of the ABCB Housing Provisions

Fibre-Cement, Timber Slates and Shingles: NCC Vol. 2 part H1D7(3)(a)

Gutters and Downpipes: NCC Vol. 2 part H2D6 and part 7.4 of the ABCB Housing Provisions

EXTERNAL WALL CLADDING: Generally: NCC Vol. 2 part H1D7(4) and Part 7.5 of the ABCB Housing Provisions

Metal Wall Cladding: NCC Vol. 2 part H1D7(5)

GLAZING, WINDOWS AND EXTERNAL GLAZED DOORS: Generally: NCC Vol. 2 part H1D8(1) and part 8.2 of the ABCB Housing Provisions as applicable

Glass and Framed / Glazed Assemblies: NCC Vol. 2 part H1D8(2)&(3), and / or part 8.3 & 8.4 of the ABCB Housing Provisions

Protection of openable windows: NCC Vol. 2 part H5D3 and clause 11.3.7 & 11.3.8 of the ABCB Housing Provisions

Glass Balustrades: NCC Vol. 2 part H1D8(2)(b) or part 8.3 of the ABCB Housing Provisions

SMOKE DETECTORS / ALARMS AND EVACUATION LIGHTING: NCC Vol. 2 H3D6 and Part 9.5 of the ABCB Housing Provisions

SLIP RESISTANCE: NCC BCA Vol.2 Part H5D2 and clause 11.2.4 of the ABCB Housing Provisions

STAIRS, HANDRAILS AND BALUSTRADES: NCC Vol. 2 parts H5D2, H5D3 and parts 11.2 and 11.3 of the ABCB Housing Provisions

HEATING APPLIANCES: NCC Vol.2 H7D5 and / or part 12.4 of the ABCB Housing Provisions

OPEN AND INSERT FIREPLACES, CHIMNEYS AND FLUES: NCC Vol. 2 part H1D5 and part 12.4 clauses 2 to 5 of the ABCB Housing Provisions

SWIMMING POOLS: NCC Vol 2 H7D2, and as varied by; NSW H7D2, QLD H7D2, SA H7D2 and NT H7D2

SOUND INSULATION: NCC Vol. 2 Part H4D8 and part 10.7 of the ABCB Housing Provisions

**INCLUSION OF THESE AMENDMENTS IN 'SPECIFICATION OF BUILDING WORKS' REV. 26
WILL UPDATE NOMINATION OF CONSTRUCTION TO COMPLY WITH REQUIREMENTS OF
NCC 2022 Vol 2; AS FROM 1 MAY 2023**

WATERPROOFING OF WET AREAS: NCC Vol. 2 part H4D2 and either Part 10.2 of the ABCB Housing Provisions, or, AS3740 and Clauses 10.2.1 to 10.2.6 and 10.2.12 of the ABCB Housing Provisions. Building elements in wet areas must be protected with a waterproofing system that is either water resistant and/or waterproof in accordance with Clauses 10.2.1 to 10.2.6 and 10.2.12 of the ABCB Housing Provisions, and, constructed in accordance with Section 10.2 of the ABCB Housing Provisions or AS3740. Waterproof Membranes to comply with AS/NZS 4858.

CONDENSATION MANAGEMENT: NCC Vol.2 Part H4D9 and Section 10.8 of the ABCB Housing Provisions. Mitigation of condensation within buildings is achieved by;

- Installation of pliable building membrane on the exterior side of primary insulation layer of the external wall in accordance with the requirements of clause 10.8.1 of the ABCB Housing Provisions, and the inclusion of a drained cavity where a pliable building membrane is not installed in accordance with requirements of clause 10.8.1(c) of the ABCB Housing Provisions.
- Provision of an exhaust system installed in a kitchen, bathroom, sanitary compartment or laundry must discharge directly to outside air in accordance with the requirements of clause 10.8.2 of the ABCB Housing Provisions
- Ventilation of Roof spaces in climate zones 6,7 and 8 in accordance with the requirements of clause 10.8.3 of the ABCB Housing Provisions

Pliable building membrane in exterior walls must comply with and be installed in accordance with AS/NZS 4200 clauses 1 and 2. In Climate Zones 4 and 5 the membrane must be vapour permeable minimum Class 4. In Climate Zones 6, 7 and 8 the membrane must be vapour permeable minimum Class 4.

Note: Adoption of **NCC 2022 Condensation Management** is subject to transitional periods and differing adoption dates between states and territories. Refer to ABCB [NCC 2022 State and Territory Adoption Dates](#) for current transition and adoption dates. NCC 2019 Amendment 1 requirements apply in the interim.

ENERGY EFFICIENCY: NCC Vol.2 Parts H6D1 and H6D2, and;

- **Thermal Performance:** Complying with NCC Vol. 2 Specification 42 - S42C2 – A building in climate zones 3 to 8 must achieve an energy rating, including separate heating and cooling load limits, of equal to or greater than 7 stars using accredited house energy rating software and NCC Vol. 2 Part S42C4(1); **or**, complying with Parts 13.2 to 13.5 of the ABCB Housing Provisions.
- **Energy Usage:** Complying with NCC Vol. 2 Specification 42 - S42C3 - A building must achieve a whole-of-home rating of not less than 60 using an accredited house energy rating software and comply with Part 13.7 of the ABCB Housing Provisions; **or**, complying with Parts 13.6 and 13.7 of the ABCB Housing Provisions for a building with a total area no greater than 500m².

State and Territory Variations;

- **NSW Variation:** In NSW, Class 1 buildings and certain Class 10 buildings are subject to BASIX (the Building Sustainability Index). NSW Part H6 Energy Efficiency applies and is designed to complement requirements that arise under BASIX. Where BASIX is not applied to alterations and additions to these buildings, the provisions will also complement council development controls that require energy efficiency measures to be incorporated as part of the alterations and additions
- **NT Variation:** NT Part H6 Energy Efficiency applies
- **Tasmania Variation:** TAS Part H6 Energy Efficiency applies - BCA 2019 Amendment 1 Part 2.6

NOTE: Adoption of **NCC 2022 Energy Efficiency requirements** is subject to individual State and Territory adoption, and where adopted fully or partially, transitional periods and differing adoption dates. Refer to ABCB [NCC 2022 State and Territory Adoption Dates](#) for current transition and adoption dates. NCC 2019 Amendment 1 requirements apply in the interim.

NEW AND REVISED STANDARDS AND REFERENCED DOCUMENTS

Addition of this list of standards and referenced documents to 'Specification of Building Works' Rev. 26 will comply with the nomination of construction required by the National Construction Code 2022 Vols.1 and 2, building Classes 1 and 10 and the simpler types of building Classes 2 to 9.

REVISED STANDARDS AND DOCUMENTS REFERENCED by NCC 2022 Vol.2

STANDARD / DOCUMENT	PART	YEAR	AMD'T	TITLE
AS/NZS 1170	2	2021		Structural design actions — Wind actions
AS 1288		2021		Glass in buildings — Selection and installation
AS 1670	1	2018	1	Fire detection, warning, control and intercom systems — System design, installation and commissioning — Fire
AS 1684	2	2021		Residential timber framed const. - Non-cyclonic areas
"	3	2021		Residential timber framed const. - Cyclonic areas
AS 1720	4	2019		Timber structures - Fire resistance of timber elements
AS/NZS 2327		2017	1	Composite structures — Composite steel-concrete construction in buildings
AS/NZS 2699	1	2020		Built-in components for masonry construction - Wall ties
"	3	2020		Built-in components for masonry construction - Lintels & shelf angles
AS/NZS 3500	0	2021		Plumbing and drainage - Glossary of terms
"	3	2021		Plumbing and drainage - Stormwater drainage
AS 3600		2018	1,2	Concrete structures
AS 3740		2021		Waterproofing of domestic wet areas
AS 3959		2018	1,2	Construct of buildings in bushfire prone areas
AS 4055		2021		Wind loads for housing
AS 4100		2020		Steel structures
AS/NZS 4200	1	2017	1	Pliable building membranes and underlays — Materials
"	2	2017	1,2	Pliable building membranes and underlays — Installation requirements
AS 4254	1	2021		Ductwork for air-handling systems in buildings — Flexible duct
AS 4773	2	2015	1	Masonry in small buildings — Construction
AS 5216		2021		Design of post-installed and cast-in fastenings in concrete
ABCB		2022	Version 2022.1	Standard for NatHERS Heating and Cooling Load Limits
NASH STANDARD		2021		Steel Framed Construction in Bushfire Areas

REFERENCED STANDARDS AND DOCUMENTS ADDED by NCC 2022 Vol.2

STANDARD / DOCUMENT	PART	YEAR	AMDT	TITLE
AS 1397		2021		Continuous hot-dip metallic coated steel sheet and strip
AS/NZS 1546	1	2008		On-site domestic wastewater treatment units - Septic tanks
AS/NZS 1546	2	2008		On-site domestic wastewater treatment units - Waterless composting toilets
AS/NZS 1546	3	2017	1	On-site domestic wastewater treatment units - Secondary treatment systems
AS/NZS 1546	4	2016		On-site domestic wastewater treatment units - Domestic greywater treatment systems
AS/NZS 1547		2012		On-site domestic wastewater management
AS 2312	1	2014		Guide - Protection of structural steel - Paint coatings
AS/NZS 2312	2	2014		Guide - Protection of structural steel - Hot dip galv.
AS/NZS 4858		2004		Wet area membranes
AS 5146	3	2018		Reinforced autoclaved aerated concrete — Construction
AS/NZS 5601	1	2013		Gas installations — General installations
ABCB		2022		Housing Provisions Standard
ABCB		2022		Livable Housing Design
ABCB		2022		Standard for Whole-of-Home Efficiency Factors