Date: 24 October 2023
Our Ref: P230133

NSW Land and Housing Corporation
C/- Brewster Murray Architecture
Level 6, 99 York Street Sydney NSW 2000
Att: Mr Anthony Geck

Dear Anthony,

RE: Dwellings 8 to 12, 64 -70 Stapleton Ave, Casino
BCA COMPLIANCE ASSESSMENT

Please find enclosed our BCA Compliance Report prepared in respect of the proposed attached dwellings within the above listed property.

In reviewing the content of this Report, particular attention is drawn to the content of Part 3 as Part 3 details the compliance status of the proposed design in terms of each prescriptive provision of the BCA.
The inclusion of this summary enables an immediate understanding of the compliance status of the proposed design to be obtained.

Should you require any further information, please do not hesitate to contact me on the number provided.

Yours faithfully

Kieran Tobin
Director

BCA COMPLIANCE ASSESSMENT

PREPARED FOR

NSW Land and Housing Corporation

REGARDING

Dwellings 8 to 12, 64 -70 Stapleton Ave, Casino

Prepared By

BCAvision

REPORT REGISTER

The following report register documents the development and issue of this report and project as undertaken by this office, in accordance with the *Quality Assurance* policy of BCA Vision Pty Ltd.

Our Reference	Issue No.	Remarks	Issue Date
P230133	3	BCA COMPLIANCE ASSESSMENT	24 October 2023

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1.0 INTRODUCTION

1.1 GENERAL

This "BCA Compliance Assessment" report has been prepared at the request of NSW Land and Housing Corporation and relates to Dwellings 8 to 12, 64 -70 Stapleton Ave, Casino.

The project proposal is for 5 attached residential dwellings.

1.2 REPORT BASIS

The content of this report reflects –

(a) The principles and provisions of BCA 2022, Volume 2;

(b) Architectural documentation provided by Brewster Murray Architecture

Plan Reference	Plan Description	Dated
DA04	Site Plan	17/10/23
DA05	Ground Floor Plan	17/10/23
DA06	First Floor Plan	17/10/23
DA07	Roof Plan	17/10/23
DA08	Elevation	17/10/23
DA09	Elevation	17/10/23
DA10	Section	17/10/23

1.2 EXCLUSIONS

It is conveyed that this report should not construed to infer that an assessment for compliance with the following has been undertaken –

(a) Structural and services design documentation;

(b) General building services (i.e. passenger lifts);

(c) The individual requirements of service providers (i.e. Telstra, Water Supply, Energy Australia);

(d) The individual requirements of the Workcover Authority;

1.3 REPORT PURPOSE

The purpose of this report is to identify the extent to which the architectural design documentation complies with the relevant prescriptive provisions of the BCA 2022. The status of the design is summarised within Part 3 of this report.

2.0 BUILDING DESCRIPTION

2.1 GENERAL

In the context of the Building Code of Australia (BCA) 2022, the subject development is described within items 2.2 – 2.6 below.

2.2 RISE IN STOREYS (CLAUSE C1.2)

The Dwellings are proposed to have a rise in storeys of one (1)

2.3 BUILDING CLASSIFICATION (CLAUSE A3.2)

The buildings incorporate the following classifications: -

Class 1A	5 residential Dwellings

2.4 BUSHFIRE PRONE LAND

An RFS Search indicates that the property is NOT considered to be Bushfire Prone Land.

3.0 COMPLIANCE PATHWAY

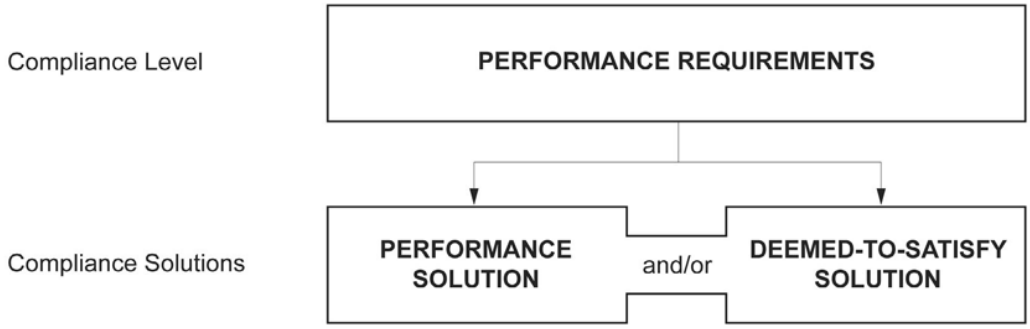
3.3. COMPLIANCE PATHWAYS WITHIN THE BCA

Compliance with the NCC is achieved by complying with—
(1) the Governing Requirements of the NCC; and
(2) the *Performance Requirements*.

A2.1 Compliance with the Performance Requirements

Performance Requirements are satisfied by one of the following, as shown in Figure 1:
(1)A *Performance Solution*.
(2)A *Deemed-to-Satisfy Solution*.
(3)A combination of (1) and (2)**.**

Figure 1: NCC compliance option structure



2.3 ADDITIONAL PRE CONSTRUCTION DOCUMENTATION

The following table provides a list of additional items which may be required by the PCA:-

Seq	Requirement
1.	Architectural Requirements Provide - A Window Schedule is required to determine compliance with the Light and Ventilation requirements of BCA Part F6 not correspond - Provide wall sections and methods for the fire separating walls Generally the wall is capable of complying however greater detail is required to show- • The wall extending to the underside of the roof covering without penetrations • A Non combustible material to the roof ridge • The Treatment at each end of the separating wall here there is a junction and cavity with the external wall – a non combustible material is required - Identify the method of Acoustic Separation - Condensation and water vapour management methods - Provide balustrade sections - Identify the Slip resistance achieved by the flooring systems (other than carpets), R10 required inside R11 required outside (provide test

	certificates)
2.	Copy of Final Structural Engineers Design Compliance Certificate and Services Plans Structural Engineers Design Compliance Certificate Confirm compliance with:- AS 3600 Concrete Structures AS 3700 Masonry Structures AS 1684 Timber Framed Construction
3.	Copy of Final Mechanical Services Engineers Design Compliance Certificate confirming compliance with AS 1668 and Services Plans
4.	Copy of Final Civil Stormwater Services Engineers Design Compliance Certificate and Services Plans Confirm compliance with Councils DCP and AS 3500
5.	Copy of Final Electrical Services Engineers Design Compliance Certificate Confirm compliance with AS 3786-2014 AS/NZS 1680
6.	Identify the proposed AS 3660 Termite Protection Method

ASSESSMENT – SUMMARY

3.1 PART H1 - STRUCTURE

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H1D1	Deemed to Satisfy Provisions		✓	
H1D2	Structural Provisions		✓	
H1D3	Site Preparation		✓	
H1D4	Footings and Slabs		✓	
H1D5	Masonry		✓	
H1D6	Framing		✓	
H1D7	Roof and Wall Cladding		✓	
H1D8	Glazing		✓	
H1D9	Earthquake Areas			✓
H1D10	Flood Areas		✓	
H1D11	Attachment of framed decks and balconies to external walls of buildings using a waling plate			✓
H1D12	Piled Footings			✓

3.2 PART H2 – DAMP AND WEATHERPROOFING

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H2D1	Deemed to Satisfy Provisions		✓	
H2D2	Drainage		✓	
H2D3	Footings and slabs		✓	
H2D4	Masonry		✓	
H2D5	Subfloor Ventilation			✓
H2D6	Roof and Wall Cladding		✓	
H2D7	Glazing		✓	
H2D8	External Waterproofing		✓	

3.3 PART H3 – FIRE SAFETY

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H3D1	Deemed to Satisfy Provisions		✓	
H3D2	Fire Hazard Properties and Non Combustible Building elements		✓	
H3D3	Fire Separation of External Walls		✓	
H3D4	Fire Protection of Separating Walls and Floors		✓	
H3D5	Fire Separation of garage top dwellings			✓
H3D6	Smoke Alarms and Evacuation Lighting		✓	

3.4 PART H4 – HEALTH AND AMENITY

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H4D1	Deemed to Satisfy Provisions		✓	
H4D2	Wet Areas		✓	
H4D3	Materials and Installation of Wet Area Components and Systems		✓	
H4D4	Room Heights		✓	
H4D5	Facilities	✓		
H4D6	Light		✓	
H4D7	Ventilation		✓	
H4D8	Sound Insulations		✓	
H4D9	Condensation Management		✓	

3.5 PART H5 – SAFE MOVEMENT AND ACCESS

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H5D1	Deemed to Satisfy Provisions			✓
H5D2	Stairway and Ramp Construction			✓
H5D3	Barriers and Handrails			✓

3.6 PART H6 – ENERGY EFFICIENCY

Clause	Requirement	Complies	Capable of Complying	Not Applicable
H6D1	Deemed to Satisfy Provisions		✓	
H6D2	Application of Part D6		✓	

3.7 PART H7 – ANCILLARY PROVISIONS

Clause	Requirement	Complies	Detail Req'd	Not Applicable
H7D1	Deemed to Satisfy Provisions			✓
H7D2	Swimming Pools			✓
H7D3	Construction In Alpine Areas			✓
H7D4	Construction in Bushfire Prone Areas			✓
H7D5	Heating Appliances			✓

4.0 BCA ASSESSMENT – STATEMENT

4.1 SUMMARY

We have reviewed the referenced plans and Certificates and in our opinion the subject unauthorised works comply with the Building Code of Australia 2022 Volume 2.

3.1 PART H1 - STRUCTURE

CLAUSE	CLAUSE REQUIREMENT	ACTION/RECOMENDATION
H1D1	**Deemed-to-Satisfy Provisions** (1)Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements H1P1 and H1P2 are satisfied by complying with H1D2 to H1D11. (2)Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.	For Reference
H1D2	**Structural provisions** A Class 1 or Class 10 building must be constructed in accordance with— (a)Section 2 of the ABCB Housing Provisions; or (b)the relevant provisions of H1D3 to H1D12; or any combination thereof.	Structural Engineers Advice is required. Provide Structural Engineers Details & Structural Design Certificate prior to Crown compliance Certificate A Compliance Certificate will be required on completion of works on site
H1D3	**Site preparation** (1)Performance Requirement H1P1 is satisfied for earthworks associated with the construction of a building or structure if they are in accordance with Part 3.2 of the ABCB Housing Provisions, provided that the site is classified as A, S, M, H or E in accordance with 4.2.2 of the ABCB Housing Provisions and the work is undertaken in normal site conditions. (2)Performance Requirement H1P1 is satisfied for an earth retaining structure associated with the construction of a building or structure if it is designed and	Provide construction method in Project plans prior to Crown compliance Certificate

	constructed in accordance with AS 4678. QLD H1D3(3) (3)Compliance with Part 3.4 of the ABCB Housing Provisions satisfies Performance Requirement H1P1 for termite risk management.	
H1D4	**Footings and slabs** (1)Performance Requirement H1P1 is satisfied for footings and slabs if they are installed in accordance with either (a) or (b): (a)One of the following: (i)AS 2870 except that for the purposes of Clause 5.3.3.1 of AS 2870 a damp-proofing membrane is required to be provided. (ii)AS 3600 except that barriers installed beneath slab on ground construction must have a high resistance to damage during construction. Subject to (2), Section 4 of the ABCB Housing Provisions. (2)Section 4 of the ABCB Housing Provisions may only be used where— (a)the footing is on a Class A, S or M site (classified in accordance with AS 2870) with a uniform bearing capacity; and (b)any slab— (i)is not more than 18 m long or wide; and (ii)does not contain permanent joints excluding construction joints; and (iii)is of a geometric shape containing only external right angles, other than a slab in (c); and (c)any footing and slab in (b) has not more than one re-entrant corner; and (d)the footing and slab are not constructed on soil classified as an aggressive soil type; and (e)the structure supported by the footing does not contain— (i)more than two trafficable floors; or (ii)a wall height exceeding 8 m, excluding any gable; and (f)the footing does not support more than one concrete slab; and (g)the building does not include wing walls or masonry arches unless they are detailed for movement in accordance with Cement Concrete and Aggregates Australia TN 61; and (h)single leaf earth or stone masonry walls do not exceed 3 m in height; and (i)the site is considered to be normal as defined in Part 3.2 of the ABCB Housing Provisions; and (j)the site is not located in an alpine area; and the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements.	Structural Engineers Advice is required. Provide Structural Engineers Details & Structural Design Certificate prior to Crown compliance Certificate A Compliance Certificate will be required on completion of works on site

H1D5	**Masonry** (1)Performance Requirement H1P1 is satisfied for masonry veneer if it is designed and constructed in accordance with— (a)AS 3700; or AS 4773.1 and AS 4773.2; or (c)Part 5.2 of the ABCB Housing Provisions provided— (i) the building is located in an area with a wind class of not more than N3; and (ii)masonry veneer walls— (A)are constructed on footings and/or slabs that comply with H1D4; and (B)comply with Part 5.6 using components that comply with Part 5.7 of the ABCB Housing Provisions; and (iii)the building site soil classification is A, S or M in accordance with AS 2870; and (iv)the framing that the masonry wall is tied to complies with H1D6; and (v)the building is not constructed in an alpine area; and (vi)the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements. (2)Performance Requirement H1P1 is satisfied for cavity brick unreinforced masonry if it is designed and constructed in accordance with: (a)AS 3700; or (b)AS 4773.1 and AS 4773.2; or (c)Part 5.3 of the ABCB Housing Provisions provided— (i)the building is located in an area with a design wind speed of not more than N3; and (ii)cavity masonry walls— (A)are constructed on footings and/or slabs that comply with H1D4; and (B)comply with Part 5.6 using components that comply with Part 5.7 of the ABCB Housing Provisions; and (iii)the building site soil classification is A, S or M in accordance with AS 2870; and (iv)the building is not constructed in an alpine area; and (v)the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements. (3)Performance Requirement H1P1 is satisfied for single leaf unreinforced masonry if it is designed and constructed in accordance with: (a)AS 3700; or (b)AS 4773.1 and AS 4773.2; or (c)Part 5.4 of the ABCB Housing Provisions provided— (i)the building is located in an area with a design wind speed of not more than N3; and	Structural Engineers Advice is required. Provide Structural Engineers Details & Structural Design Certificate prior to Crown compliance Certificate A Compliance Certificate will be required on completion of works on site

	(ii)single leaf unreinforced masonry walls— (A)are constructed on footings and/or slabs that comply with H1D4; and (B)comply with Part 5.6 using components that comply with Part 5.7 of the ABCB Housing Provisions; and (iii)the building site soil classification is A, S or M in accordance with AS 2870; and (iv)the building is not constructed in an alpine area; and (v)the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements. (4)Performance Requirement H1P1 is satisfied for reinforced masonry if it is designed and constructed in accordance with: (a)AS 3700, except— (i)'(for piers—isolated or engaged)' is removed from clause 8.5.1(d); and (ii)where clause 8.5.1 requires design as for unreinforced masonry in accordance with Section 7, the member must also be designed as unreinforced masonry in accordance with Table 10.3 and 4.1(a)(i)(C) of AS 3700; or (b)AS 4773.1 and AS 4773.2. (5)Performance Requirement H1P1 is satisfied for an isolated masonry pier system if it is designed and constructed in accordance with one of the following, as appropriate: (a)AS 3700, except— (i)'(for piers—isolated or engaged)' is removed from clause 8.5.1(d); and (ii)where clause 8.5.1 requires design as for unreinforced masonry in accordance with Section 7, the member must also be designed as unreinforced masonry in accordance with Table 10.3 and 4.1(a)(i)(C) of AS 3700. (b)AS 4773.1 and AS 4773.2. (c)Part 5.5 of the ABCB Housing Provisions provided— (i)the building is located in an area with a wind class of not more than N3; and (ii)isolated piers are constructed on footings and/or slabs that comply with H1D4; and (iii)masonry units comply with 5.6.2(4) of the ABCB Housing Provisions and have a minimum compressive strength of— (A)6.2 MPa for solid or cored units; or (B)15 MPa for hollow units; and (iv)the roof structure and any walls provide the required lateral bracing for the top of the isolated pier when determined in accordance with AS 3700, except—	

	(A)'(for piers—isolated or engaged)' is removed from clause 8.5.1(d); and (B)where clause 8.5.1 requires design as for unreinforced masonry in accordance with Section 7, the member must also be designed as unreinforced masonry in accordance with Table 10.3 and 4.1(a)(i)(C) of AS 3700; and (v)the building site soil classification is A, S or M in accordance with AS 2870; and (vi)the building is not constructed in an alpine area; and (vii)the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements. (6)Performance Requirement H1P1 is satisfied for masonry accessories if they are constructed and installed in accordance with: (a)AS 3700; or (b)AS 4773.1 and AS 4773.2. (c)Part 5.6 of the ABCB Housing Provisions provided— (i)the building is located in an area with a wind class of not more than N3; and (ii)the building is not constructed in an alpine area; and the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements	
H1D6	**Framing** (1)Diagrams depicting framing members and associated terminology used to describe them are set out in Figures H1D6c, H1D6d and H1D6e, and in most cases are applicable for both steel and timber frame members. (2)Terminology and spacing for structural steel members are set out in Tables H1D6a and H1D6b, and Figures H1D6a, H1D6b and H1D6f. (3)Performance Requirement H1P1 is satisfied for steel framing if it is designed and constructed in accordance with one of the following: (a)Residential and low-rise steel framing: (i)Design: NASH Standard 'Residential and Low-Rise Steel Framing' Part 1. (ii)Design solutions: NASH Standard 'Residential and Low-Rise Steel Framing' Part 2. (b)Steel structures: AS 4100. (c)Cold-formed steel structures: AS/NZS 4600. (4)Performance Requirement H1P1 is satisfied for timber framing if it is designed and constructed in accordance with the following, as appropriate: (a)Design of timber structures: AS 1720.1.	Structural Engineers Advice is required. Provide Structural Engineers Details & Structural Design Certificate prior to Crown compliance Certificate A Compliance Certificate will be required on completion of works on site

	(b)Design of nailplated timber roof trusses: AS 1720.5. (c)Residential timber-framed construction – non-cyclonic areas: AS 1684.2 or AS 1684.4. (d)Residential timber-framed construction – cyclonic areas: AS 1684.3. (e)Installation of particleboard flooring: AS 1860.2. (5)Performance Requirement H1P1 is satisfied for structural steel sections if they are designed and constructed in accordance with one of the following: (a)Steel structures: AS 4100. (b)Cold-formed steel structures: AS/NZS 4600. (c)For structural stability, strength and deflection, and subject to (6), Part 6.3 of the ABCB Housing Provisions. (d)For corrosion protection, clause 6.3.4 of Part 6.3 of the ABCB Housing Provisions. (6)For the purposes of (5)(c), Part 6.3 of the ABCB Housing Provisions may only be used where— (a)the building is located in an area with a wind class of not more than N3; and (b)the first dimension of steel sections is installed vertically; and (c)all loads are evenly distributed (unless otherwise noted or allowed for); and (d)the building is one for which Appendix A of AS 1170.4 contains no specific earthquake design requirements; and (e)the structural steel members are not subject to snow loads; and (f)the structural steel members are in buildings within geometric limits set out in clause 1.2 of AS 4055. (7)The use of structural software is subject to the following: (a)Structural software used in computer aided design of a building or structure, that uses design criteria based on the Deemed-to-Satisfy Provisions of Section H, including its referenced documents, for the design of steel or timber trussed roof and floor systems and framed building systems, must comply with the ABCB Protocol for Structural Software. (b)Structural software referred to in (a) can only be used for buildings within the following geometric limits: (i)The distance from ground level to the underside of eaves must not exceed 6 m. (ii)The distance from ground level to the highest point of the roof, neglecting	

	chimneys, must not exceed 8.5 m. (iii)The building width including roofed verandahs, excluding eaves, must not exceed 16 m. (iv)The building length must not exceed five times the building width. (v)The roof pitch must not exceed 35 degrees. (c)The requirements of (a) do not apply to design software for individual frame members such as electronic tables similar to those provided in— (i)AS 1684; or NASH Standard – Residential and Low-Rise Steel Framing, Part 2.	
H1D7	**Roof and wall cladding** (1)Diagrams depicting relevant roofing and supporting members and associated terminology used to describe them are set out in Figure H1D7a and Figure H1D7b. (2)Performance Requirement H1P1 is satisfied for sheet roofing if it complies with one or a combination of the following: (a)Metal roofing: (i)AS 1562.1; and (ii)in wind regions C and D in accordance with Figure 2.2.3 in Section 2 of the ABCB Housing Provisions (cyclonic areas), metal roof assemblies, their connections and immediate supporting members must be capable of remaining in position notwithstanding any permanent distortion, fracture or damage that might occur in the sheet or fastenings under the pressure sequences A to G defined in Table H1D7. (b)Plastic sheet roofing: AS 1562.3. (c)Metal sheet roofing: Part 7.2 of the ABCB Housing Provisions, provided the building is located in an area with a wind class of not more than N3. (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. (4)Performance Requirement H1P1 is satisfied for timber and composite wall cladding if it is designed and constructed in accordance with— (a)for autoclaved aerated concrete wall cladding, AS 5146.1; or	Provide construction method in Project plans prior to Crown compliance Certificate.

	(b)for wall cladding, Part 7.5 of the ABCB Housing Provisions. (5)Performance Requirement H1P1 is satisfied for a metal wall cladding if it is designed and constructed in accordance with AS 1562.1.	
H1D8	**Glazing** (1)Performance Requirement H1P1 is satisfied for glazing and windows if they are— (a)designed and constructed in accordance with AS 2047 for glazed assemblies in an external wall including— (i)windows, other than those listed in (2); and (ii)sliding and swinging glazed doors with a frame, including French and bi-fold doors with a frame; and (iii)adjustable louvres; and (iv)window walls with one-piece framing; and (b)installed such that they comply with— (i)AS 2047; and 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. (2)Performance Requirement H1P1 is satisfied for glazing in glazed assemblies if it— (a)complies with Part 8.3 of the ABCB Housing Provisions; or (b)is designed and constructed in accordance with AS 1288 for all glazed assemblies not covered by (1) and the following glazed assemblies: (i)All glazed assemblies not in an external wall. (ii)Revolving doors. (iii)Fixed louvres. (iv)Skylights, roof lights and windows other than in the vertical plane. (v)Sliding and swinging doors without a frame. (vi)Windows constructed on-site and architectural one-off windows, which are not design tested in accordance with AS 2047. (vii)Second-hand windows, re-used windows and recycled windows. (viii)Heritage windows. (ix)Glazing used in balustrades and overhead glazing. (3)Performance Requirement H1P1(4) is satisfied for glazed assemblies at risk of	Provide construction method in Project plans prior to Crown compliance Certificate.

	human impact if they— (a)are designed, constructed and installed in accordance with— (i)for glass, AS 1288; and (ii)for windows, AS 2047; or (b)comply with Part 8.4 of the ABCB Housing Provisions.	
H1D10	**Flood hazard areas** Performance Requirement H1P2 for a Class 1 building constructed in a flood hazard area is satisfied if the building is constructed in accordance with the ABCB Standard for Construction of Buildings in Flood Hazard Areas.	For reference

3.1 PART H2 – DAMP AND WEATHERPROOFING

CLAUSE	CLAUSE REQUIREMENT	ACTION/RECOMENDATION
H2D1	**Rainwater management** (1)Surface water, resulting from a storm having an annual exceedance probability of 5% and which is collected or concentrated by a building or sitework, must be disposed of in a way that avoids the likelihood of damage or nuisance to any other property. (2)Surface water, resulting from a storm having an annual exceedance probability of 1% must not enter the building. (3)A drainage system for the disposal of surface water resulting from a storm having an annual exceedance probability of— (a)5% must— (i)convey surface water to an appropriate outfall; and (ii)avoid surface water damaging the building; and 1% must avoid the entry of surface water into a building. **Weatherproofing** A roof and external wall (including openings around windows and doors) must prevent the penetration of water that could cause— (a) unhealthy or dangerous conditions, or loss of amenity for occupants; and undue dampness or deterioration of building elements. **Rising damp** Moisture from the ground must be prevented from causing— (a)unhealthy or dangerous conditions, or loss of amenity for occupants; and undue dampness or deterioration of building elements. **Drainage from swimming pools** A swimming pool must have adequate means of draining the pool in a manner which will not— (a)cause illness to people; or affect other property.	Hydraulic Engineers Details will be required prior to the Crown Certificate
H2D2	Drainage Performance Requirement H2P1 is satisfied for drainage if it is designed and constructed in accordance with — (a)AS/NZS 3500.3; or (b)provided the stormwater drainage system otherwise complies with (a), Part 3.3	Hydraulic Engineers Details will be required prior to the Crown Certificate

	of the ABCB Housing Provisions for drainage of— (i)roofs in areas subject to 5 minute duration rainfall intensities of not more than 255 mm per hour over an annual exceedance probability of 5% (as per Table 7.4.3d to Table 7.4.3k of the ABCB Housing Provisions) where a drainage system is required; and (ii) sub-soil areas where excessive soil moisture problems may occur; and A(iii)land adjoining and under buildings.	
H2D3	**Footings and slabs** Performance Requirement H2P3 is satisfied for footings and slabs if they are installed in accordance with H1D4(1)(a) or (b).	Provide construction method in Project plans prior to Crown compliance Certificate.
H2D4	**Masonry** (1)H2D4(2)— (a)applies to every external wall (including the junction between the wall and any window or door) of a Class 1 building; and (b)does not apply to any Class 10 building except where its construction contributes to the weatherproofing of the Class 1 building. (2)Performance Requirements H2P2 and H2P3 are satisfied for weatherproofing of masonry if it is carried out in accordance with the appropriate provisions of one of the following: (a)AS 3700. (b)AS 4773.1 and AS 4773.2. (c)Part 5.7 of the ABCB Housing Provisions provided masonry walls are constructed in accordance with H1D5 and the requirements of Part 5.7.	Provide construction method in Project plans prior to Crown compliance Certificate.
H2D6	**Roof and wall cladding** (1)Performance Requirement H2P1 is satisfied for gutters and downpipes if they are designed and constructed in accordance with one of the following: (a)Subject to (2), AS/NZS 3500.3. (b)Subject to (2) and (3), Part 7.4 of the ABCB Housing Provisions. (2)The requirements of (1) do not apply to the removal of surface water from a storm having an annual exceedance probability of 1% for a Class 10 building where in the particular case there is no necessity for compliance. VIC H2D6(3) (3)Part 7.4 of the ABCB Housing Provisions— (a)may only be used provided the roof drainage system is connected to a stormwater drainage system that complies with H2D2; and (b)excludes box gutters.	Provide construction method in Project plans prior to Crown compliance Certificate.

	(4)Performance Requirement H2P2 is satisfied for roof and wall cladding if it is in accordance with H1D7(2), (3), (4) or (5) as appropriate.	
H2D7	**Glazing** [2019: 3.6] Performance Requirement H2P2 is satisfied for weatherproofing for glazing if it is in accordance with H1D8(1).	Provide construction method in Project plans prior to Crown compliance Certificate.
H2D8	**External waterproofing** (1)Performance Requirement H2P2 is satisfied for the design and construction of external waterproofing for roofing systems on flat roofs, roof terraces, balconies and terraces and other similar horizontal surfaces located above internal spaces of a building provided— (a)membranes used in the external waterproofing system comply with AS 4654.1; and (b)the design and installation of the external waterproofing system is in accordance with AS 4654.2. (2)The requirements of (1) apply to— (a)roofing systems other than those complying with H1D7(2) and (3); and (b)terraces, balconies and the like other than— (i)a concrete slab that has a minimum step-down of 50 mm below the internal floor level; or (ii)a suspended concrete slab— (A)where the subfloor space is not used for habitable or non-habitable purposes; and (B)that has a minimum step-down of 50 mm below the internal floor level; or (iii)spaced decking in conjunction with framing members that are suitable for external use.	Provide construction method in Project plans prior to Crown compliance Certificate.

3.1 PART H3 – FIRE SAFETY

CLAUSE	CLAUSE REQUIREMENT	ACTION/RECOMENDATION
H3D1	**Deemed-to-Satisfy Provisions** (1)Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements H3P1 and H3P2 are satisfied by complying with H3D2 to H3D6. (2)Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.	Provide construction method in Project plans prior to Crown compliance Certificate.
H3D2	**Fire hazard properties and non-combustible building elements** (1)The following materials, though combustible or containing combustible fibres, may be used wherever a non-combustible material is required: (a)Plasterboard. (b)Perforated gypsum lath with a normal paper finish. (c)Fibrous-plaster sheet. (d)Fibre-reinforced cement sheeting. of-Flame Index of the product is not more than 0. Pre-finished metal sheeting having a combustible surface finish not exceeding 1 mm thick and where the (e)Spread- (f)Sarking-type materials that do not exceed 1 mm in thickness and have a Flammability Index not greater than 5. (g)Bonded laminated materials where— (i)each lamina, including any core, is non-combustible; and (ii)each adhesive layer does not exceed 1 mm in thickness and the total thickness of the adhesive layers does not exceed 2 mm; and (iii)the Spread-of-Flame Index and the Smoke-Developed Index of the bonded laminated material as a whole do not exceed 0 and 3 respectively. (2)The fire hazard properties of materials used in a Class 1 building, including floor or ceiling spaces common with a Class 10 building, must comply with the following: (a)Sarking-type materials used in the roof must have a Flammability Index not greater than 5. (b)Flexible ductwork used for the transfer of products initiating from a heat source	Provide construction method in Project plans prior to Crown compliance Certificate.

	that contains a flame must comply with the fire hazard properties set out in AS 4254.1.	
H3D4	**Fire protection of separating walls and floors** [2019: 3.7.3] Compliance with Part 9.3 of the ABCB Housing Provisions satisfies Performance Requirement H3P1 for fire protection of separating walls and floors.	Provide construction method in Project plans prior to Crown compliance Certificate
H3D6	**Smoke alarms and evacuation lighting** [2019: 3.7.5] (1)Compliance with Part 9.5 of the ABCB Housing Provisions satisfies Performance Requirement H3P2 for smoke alarms and evacuation lighting. (2)For the purposes of (1), a Class 1 building includes a Class 10a private garage located above or below the Class 1 building.	Smoke alarm installation must comply with AS 3786. Provide construction method in Project Specification prior to Crown compliance Certificate

3.1 PART H4 – HEALTH AND AMENITY

CLAUSE	CLAUSE REQUIREMENT	ACTION/RECOMENDATION
H4D1	**Deemed-to-Satisfy Provisions** (1)Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements H4P1 to H4P7 are satisfied by complying with H4D2 to H4D9. (2)Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.	For Reference
H4D2	**Wet areas** Compliance with AS 3740 or Part 10.2 of the ABCB Housing Provisions satisfies Performance Requirement H4P1 for wet areas provided the wet areas are protected in accordance with the appropriate requirements of 10.2.1 to 10.2.6 and 10.2.12 of the ABCB Housing Provisions.	Provide construction method in Project Specification prior to Crown compliance Certificate.
H4D3	**Materials and installation of wet area components and systems** Performance Requirement H4P1 is satisfied for materials and the installation of wet area components and systems if— (a)building elements in wet areas are water resistant or waterproof in accordance with clauses 10.2.1 to 10.2.6 of the ABCB Housing Provisions; and (b)they comply with either— (i)AS 3740 and clause 10.2.12 of the ABCB Housing Provisions; or 10.2.7 to 10.2.32 of the ABCB Housing Provisions.	Provide construction method in Project Specification prior to Crown compliance Certificate.
H4D4	**Room heights** Compliance with Part 10.3 of the ABCB Housing Provisions satisfies Performance Requirement H4P2 for room heights.	Provide construction method in Project Specification prior to Crown compliance Certificate.
H4D6	**Light** Compliance with Part 10.5 of the ABCB Housing Provisions satisfies Performance Requirement H4P4 for lighting.	Provide construction method in Project Specification prior to Crown compliance Certificate.
H4D7	**Ventilation** (1)Except for an exhaust fan from a sanitary compartment, laundry, kitchen or bathroom, Performance Requirement H4P5 is satisfied for a mechanical ventilation system if it is installed in accordance with AS 1668.2.	Provide construction method in Project Specification prior to Crown compliance Certificate.

	(2)Compliance with Part 10.6 of the ABCB Housing Provisions satisfies Performance Requirement H4P5 for ventilation.	
H4D8	**Sound insulation** Compliance with Part 10.7 of the ABCB Housing Provisions satisfies Performance Requirement H4P6 for sound insulation	Provide construction method in Project Specification prior to Crown compliance Certificate.
H4D9	**Condensation management** Compliance with Part 10.8 of the ABCB Housing Provisions satisfies Performance Requirement H4P7 for condensation management.	Provide construction method in Project Specification prior to Crown compliance Certificate.

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