

# Get to know C/AS2 Second edition

## INFORMATION ON THE AMENDMENT TO THE ACCEPTABLE SOLUTION

On 28 July 2025, MBIE published Acceptable Solution C/AS2 Second edition.

If you have used C/AS2 in the past, you may see some changes in the new version.



### **New layout**

Since 2021, MBIE has been publishing new editions of the acceptable solutions and verification methods in an updated document format. The new format has a consistent layout and structure and should be easier to use in an electronic format. Consequently, headings and paragraph numbers in C/AS2 have changed and some portions reorganised to fit in the new layout.



### **Building Product Specifications**

The acceptable solution now includes references to the Building Product Specifications. References to the Building Product Specifications replace all previous references to fire testing standards found in the document. Further information on the Building Product Specifications and what purposes it is used for are provided in the acceptable solution.



### **Minor amendments that do not affect the level of performance**

Other minor amendments have been made to the acceptable solution that do not affect the level of performance require but may assist in the interpretation and use of the document. This includes corrections for typos, grammar, formatting, cross-references, and punctuation. Portions have also been revised to reflect current practices for drafting the text.

We have provided the table on the follow pages to outline the differences between the First edition and Second edition including:

- A side-by-side index of the headings and paragraph numbers that have changed, and
- Comments on specific headings and paragraphs where the text has changed.

This table has been provided for information only. The wording and numbering in the acceptable solution itself takes precedence.

The previous edition of C/AS2, unamended, can still be used to demonstrate compliance with the Building Code until 31 July 2026.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
C1-C6 Code clauses	Removed from document. <a href="http://legislative.govt.nz">Read clauses C1 to C6 on legislative.govt.nz</a>	
Part 1: General	Part 1. General	
1.1 Introduction and scope	1.1.3.1, 1.1.3.2, and Features of this document	Text relocated to front matter and Subsection 1.1.3 for consistency with other AS/VM documents.
1.1.1 Scope	1.1.1 Scope of this document	
1.1.1 [Paragraph text]	1.1.1.1	
Table 1.1 Risk groups: scope and limitations	Table 1.1.1.1 Scope and limitations of risk groups	
1.1.2 Outside the scope of this acceptable solution	1.1.2 Items outside the scope of this document	
1.1.2 [First paragraph]	1.1.2.1	
1.1.2 [Second paragraph]	1.1.2.2	
1.1.3	1.1.3.3	Relocated to compliance pathway.
1.1.4	1.1.2.3	
1.1.5	1.1.2.4	
1.1.6 The control of hazardous substances is not covered by this acceptable solution	1.1.2.5	Heading combined with paragraph text and heading removed.
1.2 Using this Acceptable Solution	1.2 Using this acceptable solution	
	1.2.1 Determining the classified use	New heading and paragraph added for completeness.
	1.2.1.1	New paragraph text based on text from other AS/VM documents including C/AS1.
1.2.1 Step 1: Determine which risk group applies	1.2.2 Determining the risk groups	New heading based on the contents of the Step 1
1.2.1 a)	1.2.2.1	Rewritten into paragraph format.
1.2.1 b)	1.2.2.2	Reference to 1.2.2 revised to align with drafting practices in the rest of the document.
1.2.1 c)	1.2.3.1	Combined with text from step 3.
1.2.1 d)	<Removed from document>	Redundant text with 1.2.1 c) and removed from document.
Step 2: Determine the parameters for the various risk groups	1.2.2.3	Rewritten into paragraph format.
	1.2.3 Determining the fire safety requirements	New heading based on the contents of the subsection.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Step 3: Satisfy the fire safety requirements	1.2.3.1	Combined with text from Step 1 c) and re-written to be more specific to the document.
1.2.2 Primary risk groups	1.2.3.2	
1.2.3	1.2.3.3	
1.3 Alterations and changes of use to buildings	1.2.5 Alterations and changes of use to buildings	Relocated to after occupant loads.
1.3.1	1.2.5.1	
1.4 Calculating occupant loads	1.2.4 Determining occupant loads	Heading revised for consistency within the section and to be more generic since some occupant loads are not calculated.
1.4.1 Occupant load	1.2.4.1	
1.4.2	1.2.4.2	“Occupant density” revised to “occupant load factor” since the values are no longer expressed as densities.  “housing” replaced with “containing”
Table 1.2 Occupant densities	Table 1.2.4.2 Occupant load factors	Table heading revised
1.4.3	1.2.4.3	Rewritten as a list.
1.4.4	1.2.4.4	Heading combined with paragraph text and rewritten to remove the term ‘assessment’ Cross reference to 3.7.4 revised to 3.7.6 [Subsection 3.4.7]
1.4.5	1.2.4.5	Heading combined with paragraph text and rewritten to reference the applicable risk groups at the start.
1.4.6	1.2.4.6	
1.4.7 Justification for exceptions	1.2.4.7	
1.4.8	1.2.4.8	
	1.2.6 Building Product Specifications	New heading to introduce the Building Product Specifications reference in the acceptable solution.
	1.2.6.1	New paragraph to state the scope of the Building Product Specifications.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
	1.2.6.2	New paragraph to outline the compliance pathway of building products.
Part 2: Firecells, fire safety systems, and fire resistance ratings	Part 2. Firecells, fire safety systems, and fire resistance ratings	
2.1 Provision of firecells	2.1 Provision of firecells	
2.1.1 Firecell floor area limits	2.1.1 Firecell floor area limits	
2.1.1 [Paragraph text]	2.1.1.1	
Table 2.1 Firecell floor area limits (m <sup>2</sup> )	Table 2.1.1.1	
2.2 Fire Safety Systems	2.2 Fire safety systems	
2.2.1	2.2.1.1	Sentences revised to balance the list with correct verbs. Theatre italicised.
Table 2.2 Minimum fire safety systems by type required for each risk group	Table 2.2.1.1 Fire safety systems by type required for each risk group	Heading revised as types are not listed in order of better to worse.
2.2.2 Connection to remote receiving centre	2.2.2 Connection to remote receiving centre	
2.2.2 [Paragraph text]	2.2.2.1	
2.2.3 Sprinkler requirements	2.2.3 Sprinkler requirements	
2.2.3 [Paragraph text]	2.2.3.1	
2.2.4 Additional requirements for early childhood centres	2.2.4 Additional requirements for early childhood centres	
2.2.4 [Paragraph text]	2.2.4.1	
2.2.5 Buildings containing more than one firecell	2.2.5 Buildings containing more than one firecell	
2.2.5 [Paragraph text]	2.2.5.1	
Table 2.3 Required types of fire safety systems for other firecells within the building	Table 2.2.5.1	
Figure 2.1 Design sequence for determining fire safety systems where there is more than one firecell in a building	Figure 2.2.5.1A	Flow chart re-drawn to show arrows in the sequence.
Figure 2.2 Fire safety systems throughout a building	Figure 2.2.5.1B	
2.2.6 More than one risk group on a floor	2.2.6 More than one risk group on a floor	
2.2.6 [Paragraph text]	2.2.6.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
2.2.7 Same risk group on different floors	2.2.7 Same risk group on different floors	
2.2.7 [Paragraph text]	2.2.7.1	
2.2.8 Activation of emergency warning systems	2.2.8 Activation of emergency warning systems	
2.2.8 [Paragraph text]	2.2.8.1	
2.2.9	2.2.8.2	
2.3 Fire resistance ratings	2.3 Fire resistance ratings	
2.3.1 FRR values	2.3.1 FRR values	
2.3.1 [Paragraph text]	2.3.1.1	
Table 2.4 Life and property ratings in minutes	Table 2.3.1.1	
2.3.2	2.3.1.2	
2.3.3	2.3.1.3	
2.3.4 General requirements for FRRs	2.3.2 General requirements for FRRs	
	2.3.2.1	New paragraph added to reference the Building Product Specification.
2.3.4 [Paragraph text]	2.3.2.2	
2.3.5	2.3.2.3	
2.3.6	2.3.2.4	
2.3.7	2.3.2.5	
2.3.8	2.3.2.6	
2.3.9	2.3.2.7	
2.3.10	2.3.2.8	
2.3.11	2.3.2.9	
2.3.12 Applying insulation component in FRR	2.3.3 Applying insulation component in FRR	
2.3.12 [Paragraph text]	2.3.3.1	
2.13.13	2.3.3.2	
<b>Part 3: Means of escape</b>	Part 3. Means of escape	
3.1 General principles	3.1 General principles	
	3.1.1 Overview	New heading
3.1.1	3.1.1.1	Reference to the figure removed as it is referenced in the next line.
3.1.2 [First paragraph]	3.1.1.2	b) rewritten in list format.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Figure 3.1 Escape routes	Figure 3.1.1.2 Escape route components	Figure title revised to be more specific
3.1.2 [Second paragraph]	3.1.1.3	
3.1.2 [Third paragraph]	3.1.1.4	
3.1.3	3.1.1.5	
3.1.4	3.1.1.6	
	3.1.1.8	New paragraph to introduce the Part and to replace the contents for the Part.
3.2 Number of escape routes	3.1.2 Number of escape routes	
	3.1.2.1	New paragraph to introduce the requirements and include the repeated parts of 3.1.2.2 and 3.1.2.3
3.2.1	3.1.2.2	Repeated portion of text related to single escape routes moved to 3.1.2.1
Figure 3.2 Minimum number of escape routes	Figure 3.1.2.2	
3.2.2	3.1.2.3	Repeated portion of text related to single escape routes moved to 3.1.2.1
Table 3.1 Minimum number of escape routes from a floor level or firecell	Table 3.1.2.3	
3.3 Height and Width of Escape Routes	3.2 Height and width of escape routes	
3.3.1 Height	3.2.1 Height	New heading
3.3.1 [Paragraph text]	3.2.1.1	
3.3.2 Width	3.2.2 Width	New heading
3.3.2 [Paragraph text]	3.2.2.1	Re-drafted into paragraph format and split into multiple paragraphs.
Table 3.1a Minimum clear width of escape routes, excluding ladders (mm)	Table 3.2.2.1 Minimum clear width of escape routes excluding ladders (mm)	Heading revised to remove comma
3.3.2 a) Width of all available escape routes	3.2.2.2	Rewritten into a list
3.3.2 b) Width of individual escape routes for risk group SI	3.2.2.3(b)	
3.3.2 c) Width of individual escape routes	3.2.2.3(a)	Re-ordered so that risk group SI is second.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.3.2 d) Provision for unusable escape routes	3.2.2.4(a)	Rewritten into a list with 3.3.2 e)
Figure 3.3 Exitway widths in unsprinklered firecells	Figure 3.2.2.4	
3.3.2 e) Sprinkler concession	3.2.2.4(b)	
3.3.2 f) Horizontal escape route with a single direction of escape	3.2.2.5	Rewritten into a paragraph in list format.
Figure 3.4 Increase in width for horizontal escape routes having a single direction of escape	Figure 3.2.2.5	
3.3.2 g) Horizontal escape route with two directions of escape	3.2.2.6	Rewritten into a paragraph. Cross reference to 3.7.14 e) revised to 3.7.2 e) [3.4.4.2(e)].
3.3.2 h) Intermediate floors	3.2.2.7	Rewritten into a paragraph
3.3.2 i) Vertical safe path widths	3.2.2.8	Rewritten into a paragraph
3.3.2 j) Marae buildings using traditional Maori construction materials in risk groups SM and CA	3.2.2.9	Rewritten into a paragraph and cross-reference to 3.3.2 removed.
3.3.2 k) Basements	3.2.2.10	Rewritten into a paragraph
Figure 3.5 Escape routes from lower and upper levels	Figure 3.2.2.10	
3.3.2 l) Ladders	3.2.2.11	Rewritten into a paragraph
3.3.2 m) Fixed or loose seating in risk group CA	3.2.2.12	Rewritten into a paragraph
3.3.3 Handrails and limitations to stairway widths	3.2.3 Handrails and limitations to stairway widths	
3.3.3 [Paragraph text]	3.2.3.1	
Figure 3.6 Limitations to stairway widths	Figure 3.2.3.1	
3.3.4	3.2.3.2	
3.3.5 Curved and spiral stairs	3.2.3.3	Heading removed
3.3.6 Obstructions	3.2.4 Obstructions	
3.3.6 [Paragraph text]	3.2.4.1	
3.3.7	3.2.4.2	Formatted into lists.
3.4 Length of escape routes	3.3 Length of escape routes	
	3.3.1 Travel distance on open paths	New heading based on content of the paragraph.
3.4.1	3.3.1.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Table 3.2 Travel distances on open paths (metres)	Table 3.3.1.1	Table notes revised based on changes to text and requirements in C/AS2 First Edition Amendment 3 in 2023.
3.4.2 Open paths	3.3.2 Open paths	3.4.2 f) references 3.7.13 and this is a mistake.
3.4.2 [First sentence]	3.3.2.1	Rewritten into paragraph format
3.4.2 a)	3.3.2.2	Rewritten into paragraph format
3.4.2 b)	3.3.2.3	Rewritten into paragraph format
3.4.2 c)	3.3.2.4	Rewritten into paragraph format
3.4.2 d)	3.3.2.5	Rewritten into paragraph format. Sentence re-ordered.
3.4.2 e)	3.3.2.6	Rewritten into paragraph format
3.4.2 f)	3.3.2.7	Rewritten into paragraph format
Figure 3.7 Length of open paths	Figure 3.3.2.4	Figure revised to align with C/AS1. Figure note revised to include cross-references.
3.4.3 Intermediate floors	3.3.3 Intermediate floors	
3.4.3 [First sentence]	3.3.3.1	
3.4.3 [Second sentence]	3.3.3.2	
Figure 3.8 Intermediate floor open path length	Figure 3.3.3.1	Figure note added to include cross-reference.
3.4.4 Stairs and ladders	3.3.4 Stairs and ladders	
3.4.4 [Paragraph text]	3.3.4.1	
Figure 3.9 Stairs and ladders	Figure 3.3.4.1	
3.4.5 Sloping floors and ceilings	3.3.5 Sloping floors and ceilings	
3.4.5 [Paragraph text]	3.3.5.1	
3.4.6 Escape through adjoining building	3.3.6 Escape through adjoining building	
3.4.6 [Paragraph text]	3.3.6.1	
Figure 3.10 Escape through adjoining building	Figure 3.3.6.1	
3.5 Escape from Basements	<Heading removed>	Section relocated under Section 3.5 and heading removed
3.5.1	3.5.2.3	Paragraph text relocated to Section 3.5 as it is associated with exitways and smoke lobbies

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Figure 3.11 Single escape from basement levels	Figure 3.5.2.3	Added the word “vertical” before safe path. Revised figure notes and added new note regarding smoke lobbies above ground which is shown but not labelled in the figure.
3.6 Open Paths	3.4 Open paths	
3.6.1 Number and size	<Removed from document>	Heading removed as contains no specific requirements.
3.6.1 [Paragraph text]	<Removed from document>	Paragraph removed as it contains no specific requirements.
3.6.2 Open path separation	3.4.1 Open path separations	
3.6.2 [First sentence]]	3.4.1.1	
3.6.2 [Second sentence]	3.4.1.2	Sentence re-ordered to remove brackets
Figure 3.12 Alternative open path separation	Figure 3.4.1.1	Figure captions revised to state the “maximum distance”. Figure note added to include cross-reference.
3.6.3 Exception for education buildings	3.4.2 Education buildings	
3.6.3 [First sentence]	3.4.2.1	Formatted into a list. Change the word ‘housing’ to ‘contains’.
3.6.3 [Second sentence]	3.4.2.2	
3.7 Special Cases of Open Paths	<Heading removed>	Heading removed as the text still applies to open paths as per the section heading.
3.7.1 Passing into an adjacent firecell	3.4.3 Passing into an adjacent firecell	
3.7.1 [Paragraph text]	3.4.3.1	‘It’ changed to ‘the escape route’
3.7.2	3.4.3.2	Reference to 4.6.2 replaced with reference to 4.6.4 [4.5.1.4] for SI
Figure 3.15 Open path passing into adjacent firecells	Figure 3.4.3.2	Added the word “separate” to the firecell label.
3.7.3 Separate tenancy	3.4.4 Separate tenancy	Re-drafted into a list.
3.7.3 [Paragraph text]	3.4.4.1	
3.7.4 Escape via an intermediate floor	3.4.5 Escape via an intermediate floor	
3.7.4 [Paragraph text]	3.4.5.1	Verbs updated to align with drafting of the opening statement.
3.7.5 Open paths via unenclosed stairs	3.4.6 Open paths via unenclosed stairs	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.7.5 [First sentence]	3.4.6.1	Paragraph re-written and split into two paragraphs due to the number of conditions applied and number of commas and brackets.
3.7.5 [Second sentence]	3.4.6.2	
3.7.6 Fixed seating	3.4.7 Fixed seating	
3.7.6 [Paragraph text]	3.4.7.1	
Figure 3.13 Fixed seating – with backs	Figure 3.4.7.1	Added figure note to include cross-reference.
Table 3.3 Walkways in fixed seating	Table 3.4.7.1	Column headings revised to remove merged cells.
3.7.7 Loose seating	3.4.8 Loose seating	
3.7.7 [Paragraph text]	3.4.8.1	
3.7.8	3.4.8.2	
3.7.9 Aisles	3.4.9 Aisles	
3.7.9 [Paragraph text]	3.4.9.1	
Figure 3.14 Aisles serving fixed seating	Figure 3.4.9.1	Revised caption in figure.
3.7.10 [First paragraph]	3.4.9.2	
3.7.10 [Second paragraph]	3.4.9.3	
3.7.10 [Third paragraph]	3.4.9.4	
3.7.11	3.4.9.5	
3.7.12	3.4.9.6	
3.7.13	3.4.9.7	
3.7.14	3.4.9.8	
3.8 Dead Ends	3.4.10 Dead ends	Relocated under open paths as dead ends only exist in open paths (by definition).
3.8.1	3.4.10.1	Formatted into a list.
3.8.2 No more than 50 occupants	3.4.10.2	Heading removed
3.8.3 Ladders	3.4.10.3	Heading removed Formatted into a list.
3.8.3 [Second paragraph]	3.4.10.4	
3.9 Exitways	3.5 Exitways	
	3.5.1 Components of exitways	New heading
3.9.1	3.5.1	Rewritten into list format with additional information.
3.9.2 Smoke lobbies – floor area	3.5.2 Smoke lobbies	Heading revised to be more general

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.9.2 [Paragraph text]	3.5.2.1	Occupant density changed to 'occupant load factor' as the value given is not expressed as a density.
Figure 3.16 Sizing of smoke lobbies	Figure 3.5.2.1	Added brackets in figure caption to clarify the calculation.
3.9.3 Smoke lobbies – exitways from upper and intermediate floors	3.5.2.2	Heading combined into paragraph text and heading removed
3.9.4 Safe paths	3.5.3 Safe paths	Reference to 3.7.13 and 3.7.14 revised to 3.7.1 and 3.7.2 for passing into an adjacent firecell [Subsection 3.4.3].
3.9.4 [Paragraph text]	3.5.3.1	
3.9.5	3.5.3.2	
3.9.6	3.5.3.3	Sleeping area firecells expanded to include 'risk groups SI and SM' and bold removed from 'sleeping area firecells'
3.9.7 Safe path length restrictions	3.5.3.4	
Table 3.4 Travel distances on horizontal safe paths (metres)	Table 3.5.3.4	Table notes also revised to reflect changes to requirements in C/AS2 First Edition Amendment 3 in 2023.
3.9.8 Safe path termination	3.5.3.5	Heading removed
3.9.9 Safe path separation, glazing and smoke separation	3.5.3.6	
3.9.10	3.5.3.7	
3.9.11	3.5.3.8	
3.10 Control of exitway activities	3.5.4 Control of exitway activities	
3.10.1	3.5.4.1	
3.10.2	3.5.4.2	
3.10.3 Lifts	3.5.5 Lifts	Heading moved up one level outside of exitway activities as it these requirements are largely unrelated to the other requirements for exitway activities.
	3.5.5.1	d) re-drafted into a list
3.10.4	3.5.5.2	Re-drafted into a list. Combined with 3.10.5.
3.10.4 [Last sentence]	3.5.5.3	Repeated text from 3.10.4 and 3.10.5 combined into 3.5.5.3.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.10.5	<Removed from document>	Repeated text from 3.10.4 and 3.10.5 combined into 3.5.5.2 and 3.5.5.3.
Figure 3.17 Lifts and smoke lobby on open path	Figure 3.5.5.2A Lifts and smoke lobby on an open path	Figure title revised to include ‘an’
Figure 3.18 Lifts and smoke separations when landing on an unsprinklered horizontal safe path	Figure 3.5.5.2B	Revised to remove escape route arrows as these are not necessary to interpret the figure.
3.11 External Escape Routes	3.6 External escape routes	
	3.6.1 Escape routes entering open air	New heading
3.11.1 [First sentence]	3.6.1.1	
3.11.1 [Second sentence]	3.6.1.2	Formatted into a list. Italics removed from ‘adjacent’.
3.11.2 Separation by distance	3.6.2 Separation by distance	
3.11.2 [Paragraph text]	3.6.2.1	
Figure 3.19 Single external escape routes, unsprinklered building	Figure 3.6.2.1 Single external escape routes in unsprinklered buildings	Figure name revised to remove comma. Egress direction revised to “direction of escape” to use the same term as other figures. Figure note added to include cross-reference.
3.11.3	3.6.2.2	
3.11.4 Separation by fire rated construction	3.6.3 Separation by fire rated construction	
3.11.4 [Paragraph text]	3.6.3.1	Rewritten to introduce the subsection and following paragraphs.
3.11.4 a)	3.6.3.2	
3.11.4 b)	3.6.3.3	Figure notes revised to consolidate cross-references and remove self-referential cross references.
3.11.4 c)	3.6.3.4	Rewritten into a list
3.11.4 d)	3.6.3.5	
Figure 3.20 Single escape routes – direct access to balcony and stairway	Figure 3.6.3.3	Figure notes added to include cross-references. Cross-references revised to refer to the correct paragraphs. Figure caption revised to apply to all risk groups.
3.11.5 Ventilation openings	3.6.4 Ventilation openings	
3.11.5 [First sentence]	3.6.4.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.11.5 [Second sentence]	3.6.4.2	
3.11.5 [Third sentence]	3.6.4.3	
Figure 3.21 Open balconies	Figure 3.6.4.1	“Flame barrier” revised to “balcony barrier” to use the same term as other parts of the document.
3.11.6 Open air auditoriums	3.6.5 Open air auditoriums	Reference to 3.7.4 revised to 3.7.6 [3.4.7] for seating.
3.11.6 [Paragraph text]	3.6.5.1	
3.11.7 – DOES NOT EXIST	<No paragraph included>	Paragraphs 3.11.7 does not exist in the document and not included in the second edition.
3.11.8	3.6.5.2	
3.12 Final exits	3.7 Final exits	
3.12.1 Final exit separation	3.7.1 Final exit separation	
3.12.1 [Paragraph text]	3.7.1.1	
3.13 Single escape routes	3.8 Single escape routes	
	3.8.1 Single escape routes in all risk groups	New heading for all risk groups
3.13.1	3.8.1.1	
3.13.2 Risk group CA	3.8.2 Additional provisions for single escape routes in Risk group CA	Heading revised to be more specific.
3.13.2 [Paragraph text]	3.8.2.1	
3.13.3 Risk group WS	3.8.3 Additional provisions for single escape routes in Risk group WS	Heading revised to be more specific.
3.13.3 [Paragraph text]	3.8.3.1	
3.13.4 Risk group SM	3.8.4 Additional provisions for single escape routes in Risk group SM	Heading revised to be more specific. Reference to 3.7.3 revised to 3.7.5 [Subsection 3.4.6] for unenclosed stairs.
3.13.4 [Paragraph text]	3.8.4.1	
3.13.5	3.8.4.2	
3.13.6	3.8.4.3	
Figure 3.22 Single escape routes – split level exits	Figure 3.8.4.3	
3.13.7	3.8.4.4	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.14 Special conditions for safe paths	<Heading removed>	Section combined with 3.5 as it relates to safe paths and heading removed.
3.14.1 [First sentence]	3.5.3.9	Rewritten in paragraph format and relocated to 3.5.3.9 as it relates to safe paths.
3.14.1 [Second sentence]	3.5.3.10	
3.15 Doors subdividing escape routes	3.9 Doors subdividing escape routes	
3.15.1 Door closers and latching	3.9.1	
3.15.1 [Paragraph text]	3.9.1.1	Rewritten into paragraph format
3.15.1 a) [First sentence]	3.9.1.2	
3.15.1 b) [Second and third sentences]	3.9.1.3	
3.15.1 b)	3.9.1.4	
3.15.1 c)	3.9.1.5(a)	Rewritten into paragraph format
3.15.1 d)	3.9.1.5(b)	
3.15.1 e)	3.9.1.6	
3.15.1 f)	3.9.1.7	
3.15.2 Locking devices	3.9.2	
3.15.2 [Paragraph text]	3.9.2.1	Rewritten into paragraph format.
3.15.2 a)	3.9.2.2	Rewritten into paragraph format and re-formatted into a list.
3.15.2 b)	3.9.2.3	Rewritten into paragraph format.
3.15.2 c)	3.9.2.4	Rewritten into paragraph format.
3.15.2 d)	3.9.2.5	Rewritten into paragraph format.
3.15.3 Direction of opening	3.9.3 Direction of opening	
3.15.3 [First paragraph]	3.9.3.1	
3.15.3 [Second paragraph]	3.9.3.2	
3.15.3 [Third paragraph]	3.9.3.3	
3.15.4	3.9.3.4	
3.15.5 Degree and width of opening	3.9.4 Degree and width of opening	
3.15.5 [Paragraph text]	3.9.4.1	Rewritten into paragraph format
Figure 3.23 Degree and width of openings	Figure 3.9.4.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.15.5 a) [First sentence]	3.9.4.2	Re-drafted as a paragraph with a list. The requirement for multi-leaf applies to all doors as per pre-2019 C/ASx.
3.15.5 a) [Second sentence]	3.9.4.3	
3.15.5 b)	3.9.4.4	Re-drafted into a paragraph and rewritten to include the 'not' up front for clarity.
3.15.5 c)	3.9.4.5 a)	
3.15.5 d)	3.9.4.5 b)	
3.15.5 e)	3.9.4.5 c)	
Figure 3.24 Door opening	Figure 3.9.4.5 Door swing into an escape route	Figure name revised to be more specific. "Egress direction" revised to "direction of escape" to use the same terms as other figures.
3.15.5 f)	3.9.4.6	
3.15.6 Vision panels	3.9.5 Vision panels	
3.15.6 [Paragraph text]	3.9.5.1	
3.15.7 Revolving doors, automatic doors, and access control systems	3.9.6 Revolving doors, automatic doors, and access control systems	
3.15.7 [Paragraph text]	3.9.6.1	b) Re-formatted into a list
Figure 3.25 Revolving and automatic sliding doors	Figure 3.9.6.1	
3.15.8	3.9.6.2	
3.15.9 Hold-open devices	3.9.7 Hold-open devices	
3.15.9 [Paragraph text]	3.9.7.1	Reference to 3.7.13 replaced with reference to 3.7.1 [3.4.3]
3.15.10	3.9.7.2	Reference to Appendix C replaced with reference to paragraph 3.9.7.3 as a consequential amendment from referencing the Building Product Specifications.
Appendix C6.1.6	3.9.7.3	Relocated to Part 3 as a consequential amendment from referencing the Building Product Specifications.
3.15.11 Delayed action unlocking devices	3.9.8 Fastenings devices	Heading revised to be more generic
3.15.11 [Paragraph text]	3.9.8.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
3.15.12 Panic fastenings	3.9.8.2	Heading removed
3.15.13	3.9.8.3	Re-formatted into a list
3.15.14 Simple fastenings	3.9.8.4	Heading removed
3.16 Signs	<Heading removed>	Heading removed
3.16.1	3.1.1.7	Relocated to Section 3.1 alongside other similar requirements. Revised to be more descriptive of the building features being referred to in F8/AS1.
Part 4: Control of internal fire and smoke spread	Part 4. Control of internal fire and smoke spread	
4.1 Firecells	4.1 Firecells	
	4.1.1 Adjoining firecells	New heading based on paragraph text
4.1.1 [First paragraph]	4.1.1.1	Formatted into a list
4.1.1 [Second paragraph]	4.1.1.2	
4.1.2 Firecells in vehicle parking	4.1.2 Firecells in vehicle parking	
4.1.2 [Paragraph text]	4.1.2.1	Formatted into a list
4.1.3 Natural cross ventilation in vehicle parking	4.1.2.2	
Figure 4.1 Vehicle parking	Figure 4.1.2.1	
4.1.4	4.1.2.3	
4.2 Glazing in Fire and Smoke Separations	4.4.3 Glazing	Relocated under Closures in fire separations and smoke separations
4.2.1	4.4.3.1	
4.2.2	4.4.3.2	
4.2.3	4.4.3.3	
4.2.4 Fire doors and smoke control doors	<Removed from document>	Glazing requirements in fire doors relocated to the Building Product Specifications.
4.2.5	4.4.3.4	
4.3 Structural stability during fire	4.2 Structural stability during fire	
4.3.1 Stability of building elements having an FRR	4.2.1 Stability of building elements having an FRR	
4.3.1 [First paragraph]	4.2.1.1	Formatted into a list
4.3.1 [Second paragraph]	4.2.1.2	
4.3.2	4.2.1.3	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.3.3 Unrated primary elements permitted	4.2.2 Unrated primary elements permitted	
4.3.3 [Paragraph text]	4.2.2.1	
Figure 4.2 Permissible positioning of unrated primary elements	Figure 4.2.2.1	
4.3.4 Providing vertical stability	4.2.3 Providing vertical stability	
	4.2.3.1	
4.3.5 Providing horizontal stability	4.2.4 Providing horizontal stability	
	4.2.4.1	
4.4 Fire Stopping	4.3.2 Fire stopping	Relocated under Firecells
4.4.1 Introduction	4.3.2.1	Heading removed
4.4.2 Fire stops	4.3.2.2	Heading removed Revised to include reference to the Building Product Specifications.
4.4.3	4.3.2.3	
4.4.4	4.3.2.4	
4.4.5	4.3.2.5	
4.5 Firecell Construction	4.3 Firecell construction	
	4.3.1 Overview	New heading
4.5.1	4.3.1.1	
4.5.2	4.3.1.2	
4.5.3	4.3.1.3	Re-ordered to match location in document
4.5.4	4.3.1.4	Re-ordered into a list.
4.5.5 Junctions of fire separations	4.3.3 Junctions of fire separations	
4.5.5 [Paragraph text]	4.3.3.1	
Figure 4.3 Junction of fire separations – 1	Figure 4.3.3.1A Junctions of fire separations	Figure title revised to remove the ‘-1’.
Figure 4.4 Junction of fire separations – 2	Figure 4.3.3.1B Junctions of fire separations with details of roofing from Section A-A	Figure title revised to be more descriptive
4.5.6	4.3.3.2	
4.5.7 Junctions with roof	4.3.4 Junctions with roof	
4.5.7 [Paragraph text]	4.3.4.1	
4.5.8 Ceiling space firecells	4.3.5 Ceiling space firecells	
4.5.8 [Paragraph text]	4.3.5.1	
4.5.9 Sealing of gaps	4.3.6 Sealing of gaps	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.5.9 [Paragraph text]	4.3.6.1	Revised to reference the Building Product Specifications.
4.5.10	4.3.6.2	
4.6 Specific requirements for sleeping areas	4.5 Sleeping areas	Heading revised
4.6.1 Group sleeping areas	4.5.1 Group sleeping areas	
4.6.1 [Paragraph text]	4.5.1.1	
4.6.2	4.5.1.2	
4.6.3	4.5.1.3	
4.6.4 [First paragraph]	4.5.1.4	
4.6.4 [Second paragraph]	4.5.1.5	Formatted into a list
4.6.5	4.5.1.6	
4.6.6	4.5.1.7	“Non-fire rated” revised to the more general “non-rated” partitions. This is consistent with Figure 4.5.1.3 (c) which does not show a fire or smoke separation for the partitions.
Figure 4.5 Group sleeping areas	Figure 4.5.1.3	
4.6.7 Direct support functions	4.5.1.8	Heading removed
4.6.8 Communal service functions for group sleeping areas	4.5.1.9	Heading removed
4.6.9 Suites	4.5.2 Suites	
4.6.9 [First paragraph]	4.5.2.1	
4.6.9 [Second paragraph]	4.5.2.2	
4.6.10	4.5.2.3	
4.6.11	4.5.2.4	
4.6.12 Household units	4.5.3 Household units	
4.6.12 [Paragraph text]	4.5.3.1	
4.6.13	4.5.3.2	
4.6.14 Vehicles	4.5.4 Vehicle parking	
4.6.14 [Paragraph text]	4.5.4.1	
4.6.15 [First paragraph]	4.5.4.2	
4.6.15 [Second paragraph]	4.5.1.3	
4.6.16 Special care facilities	4.5.5 Special care facilities	
4.6.16 [Paragraph text]	4.5.5.1	
4.7 Specific requirements for theatres, exhibition areas, and retail spaces	4.6 Theatres, exhibition areas and retail spaces, and tiered seating	Heading revised

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.7.1 Theatres	4.6.1 Theatres	
4.7.1 [First sentence]	4.6.1.1	
4.7.1 [Second sentence]	4.6.1.2	
4.7.2 Closures in theatre proscenium walls	4.6.1.3	Heading removed. Reference to the figure added to the paragraph
Figure 4.6 Theatre proscenium walls	Figure 4.6.1.3	
4.7.3	4.6.1.4	
4.7.4 Theatre stages	4.6.1.5	
4.7.5 Exhibition and retail areas	4.6.2 Exhibition and retail areas	
4.7.5 [Paragraph text]	4.6.2.1	Rewritten into a list.
4.8 Tiered seating in risk group CA	4.6.3 Tiered seating	Heading revised
4.8.1	4.6.3.1	
4.8.2	4.6.3.2	
4.8.3	4.6.3.3	
4.9 Exitways	4.7 Escape route separations	Heading revised to be more generic
	4.7.1 Exitways	New heading
4.9.1	4.7.1.1	
4.9.2 [First paragraph]	4.7.1.2	
4.9.2 [Second paragraph]	4.7.1.3	
4.9.3	4.7.1.4	Formatted into a list
4.9.4	4.7.1.5	
4.9.5	4.7.1.6	
4.9.6 Vertical safe path smoke separation	4.7.2 Vertical safe path smoke separation	
4.9.6 [Paragraph text]	4.7.2.1	
4.10 Intermittent Activities	4.8 Intermittent activities	
4.10.1 Support activities	4.8.1 Support activities	
4.10.1 [First sentence]	4.8.1.1	
4.10.1 [Second sentence]	4.8.1.2	
4.10.1 [Third sentence]	4.8.1.3	
4.10.2 [Second paragraph]	4.8.1.4	Reference to 4.6.3 replaced with 4.6.7 [4.5.1.8]
4.10.2 Solid waste storage	4.8.2 Solid waste storage	
4.10.2 [First paragraph]	4.8.2.1	
4.10.2 [Second paragraph]	4.8.2.2	Formatted into a list

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.10.3 [Last line]	4.8.2.3	
4.10.3 Plant, boiler and incinerator rooms	4.8.3 Plant, boiler, and incinerator rooms	
4.10.3 [First paragraph]	4.8.3.1	Formatted into a list
4.10.3 [Second paragraph]	4.8.3.2	4.8.3.2(b) formatted into a list
Figure 4.7	Figure 4.8.3.1	
4.10.4	4.8.3.3	
4.11 Protected Shafts	4.9 Protected shafts	
	4.9.1 Protected shaft firecells	New heading
4.11.1	4.9.1.1	
Figure 4.8	Figure 4.9.1.1	
4.11.2 Lifts, conveyors, and services	4.9.1.2	Heading removed
4.11.3 Fire separation	4.9.1.3	Heading removed
4.11.4 Openings in protected shafts	4.9.2 Openings in protected shafts	
4.11.4 [Paragraph text]	4.9.2.1	
4.11.5 Solid waste and linen chutes	4.9.3 Solid waste and linen chutes	
4.11.5 [First paragraph]	4.9.3.1	
4.11.5 [Second paragraph]	4.9.3.2	
4.11.6	4.9.3.3	
4.12 Long corridor subdivision	4.7.3 Long corridor subdivision	Relocated to 4.6 as it relates to the escape routes with provisions for safe paths and open paths
4.12.1 [First part]	4.7.3.1	Sentence split into two.
4.12.2 [Second part]	4.7.3.2	
Figure 4.9 Long corridor subdivision	Figure 4.7.3.1	
Table 4.1	Table 4.7.3.1	Table heading retitled. Columns switched around to reflect order in Part 3 for similar tables.
4.13 Floors	4.10 Floors	
	4.10.1 Fire resistance rating of floors	New heading
4.13.1	4.10.1.1	
4.13.2	4.10.1.2	
4.13.3 Intermediate floors	4.10.2 Intermediate floors	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.13.3 [Paragraph text]	4.10.2.1	
4.13.4	4.10.2.2	
4.13.5	4.10.2.3	
4.13.6	4.10.2.4	
4.13.7	4.10.2.5	
4.13.8	4.10.2.6	
4.13.9 Flytowers, walkways, and similar structures serving non-sleeping area firecells	4.10.3 Flytowers, walkways, and similar structures serving non-sleeping area firecells	
	4.10.3.1	
4.13.10 Basement floors	4.10.4 Basement floors	
	4.10.4.1	
4.14 Subfloor Spaces	4.10.5 Subfloor spaces	
4.14.1	4.10.5.1	
Figure 4.10 Subfloor spaces	Figure 4.10.5.1	
4.15 Concealed Spaces	4.11 Concealed spaces	
	4.11.1 Spread of fire in concealed spaces	New heading
4.15.1	4.11.1.1	Formatted into a list
4.15.2 Concealed spaces within firecells	4.11.1.2	Heading removed
Figure 4.11 Concealed spaces within firecells	Figure 4.11.1.2	
4.15.3 Cavity barriers in walls and floors	4.11.2 Cavity barriers	Heading revised to be more general
4.15.3 [Paragraph text]	4.11.2.1	
Figure 4.12 Curtain wall	Figure 4.3.3.1C Junctions of curtain walls	Figure relocated to 4.3.3 as it is not referenced within the text of 4.11.2.1.
4.15.4 Exceptions to cavity barrier requirements	4.11.2.2	Heading removed
4.15.5 Cavity barrier construction	4.11.2.3	Heading removed
4.15.6 Restriction of roof and ceiling space areas in unsprinklered firecells	4.11.3 Restriction of roof and ceiling space areas in unsprinklered firecells	
4.15.6 [First and second paragraph]	4.11.3.1	
4.15.6 [Third paragraph]	4.11.3.2	
4.15.7	4.11.3.3	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.15.8	4.11.3.4	
4.16 Closures in Fire and Smoke Separations	4.4 Closures in fire separations and smoke separations	Relocated to 4.4
	4.4.1 Fire and smoke rating of closures	New heading
4.16.1	4.4.1.1	Text revised for consistent use of 'smoke control capability'
Table 4.2 Insulation and smoke stop capability of closures in fire and smoke separations	Table 4.4.1.1 Insulation and smoke control capability of closures in fire and smoke separations	Heading revised for consistent use of 'smoke control capability'
	4.4.2 Fire doors and smoke control doors	
4.16.2	4.4.2.1	Revised to reference the Building Product Specifications for fire doors and smoke control doors.
4.16.3	4.4.2.2	
4.16.4 Fire door and smoke control door installation	4.4.2.3	
4.16.5 [First sentence]	<Removed from document>	Relocated to the Building Product Specifications.
4.16.5 [Second sentence]	4.4.2.4	Re-drafted to be more specific on reference to signage.
4.16.6	<Removed from document>	Relocated to the Building Product Specifications.
4.16.7 Glazing in doors	4.4.2.5	
4.16.8 Smoke control doors	4.4.2.7	Re-ordered with following paragraph on fire doors to be consistent with the order of paragraphs in this subsection. Cross reference to the subsection removed.
4.16.9 Fire doors	4.4.2.6	
Figure 4.13 Fire doors and smoke control doors	Figure 4.4.2.6A Fire doors and smoke control doors for smoke lobbies and safe paths	Figure renamed to be more specific to its contents
Figure 4.14 Fire doors	Figure 4.4.2.6B Fire doors between open paths and safe paths	Figure renamed to be more specific to its contents
Figure 4.15 Fire doors to separate floors above and below final exit level	Figure 4.4.2.6C	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.16.10 Protected shaft access panels	4.4.4 Access to protected shafts and lift doors	
4.16.10 [Paragraph text]	4.4.4.1	
4.16.11 Lift landing doors	4.4.4.2	Heading removed
4.16.12 Fire and smoke dampers	4.4.5 Fire dampers and smoke dampers	
4.16.12 [First paragraph]	4.4.5.1	
4.16.12 [Second paragraph]	4.4.5.2	Amended to reference the Building Product Specifications for fire dampers.
4.16.13	4.4.5.3	
4.16.14	4.4.5.4	Amended to reference the Building Product Specifications for smoke dampers.
4.16.15 Fire shutters	4.4.6 Fire shutters	
4.16.15 [Paragraph text]	4.4.6.1	
4.16.16	4.4.6.2	
4.16.17	4.4.6.3	
4.17 Interior surface finishes, floor coverings, and suspended flexible fabrics	4.12 Internal surface finishes, floor coverings, and suspended flexible fabrics	Interior changed to Internal to match paragraph and table text.
4.17.1 Surface finish requirements for walls and ceilings	4.12.1 Surface finish requirements for walls and ceilings	
4.17.1 [Paragraph text]	4.12.1.1	
Table 4.3 Internal surface finishes	Table 4.12.1.1	Table title and row headings revised to align with other tables in this section.
4.17.2 Foamed plastics and combustible insulating materials	4.12.2 Foamed plastics and combustible insulating materials	
	4.12.2.1	Amended to reference the Building Product Specifications for foamed plastics and combustible insulating materials.
4.17.3 Flooring	4.12.3 Flooring	
4.17.3 [Paragraph text]	4.12.3.1	Amended to reference the Building Product Specifications for floor coverings. Re-formatted into a list.
Table 4.5 Critical radiant flux requirements for flooring (kW/m <sup>2</sup> )	Table 4.12.3.1	Table row headings revised to simply the table

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
4.17.4	4.12.3.2	
4.17.5 Wood and wood products in floors	4.12.3.3	Heading removed
4.17.6 Exceptions to surface finish requirements	4.12.4 Exceptions to surface finish requirements	
4.17.6 [Paragraph text]	4.12.4.1	
4.17.7 Educational buildings	4.12.4.2	Heading removed
4.17.8 Suspended flexible fabrics	4.12.5 Suspended flexible fabrics and membranes	Heading revised
	4.12.5.1	New paragraph to reference the Building Product Specifications for suspended flexible fabrics and membrane structures.
4.17.8 [Paragraph text]	4.12.5.2	Re-drafted based on amendments to reference the Building Product Specifications.
4.17.9 Membrane structures	4.12.5.3	Re-drafted based on amendments to reference the Building Product Specifications. Heading removed.
4.17.10	4.12.5.3 [Second sentence]	Combined with Paragraph 4.17.9 and re-drafted.
4.17.11 Building services	4.12.6 Building services	
4.17.11 [Paragraph text]	4.12.6.2	Re-ordered with the following paragraph to place the exception after the requirement.
4.17.12	4.12.6.1	Revised to reference the Building Product Specification and formatted into a list.
Table 4.4 Surfaces of building services	Table 4.12.6.1	The word “faces” revised to “surfaces” to maintain consistency wording with the requirements in this subsection. Table note removed from document and relocated into the Building Product Specifications.
4.17.13 Trampers’ huts	4.12.7 Trampers’ huts	
4.17.13 [Paragraph text]	4.12.7.1	
4.18 Building services plant	4.13 Building services plant	
4.18.1	4.13.1 Smoke control in air handling systems	New heading
4.18.1 [Paragraph text]	4.13.1.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Part 5: Control of external fire spread	Part 5: Control of external fire spread	
5.1 Fire Separation for buildings with more than one title	5.1 Buildings with more than one title	Heading text split with 5.1.1
	5.1.1 Fire separations	New heading with text from 5.1
5.1.1	5.1.1.1	
5.1.2	5.1.1.2	
5.1.3	5.1.1.3	
5.2 Horizontal fire spread from external walls	5.2 Horizontal fire spread from external walls	
5.2.1 Separation	5.2.1 Protection for unprotected areas	Heading revised based on content in the section
5.2.1 [Paragraph text]	5.2.1.1	
5.2.2	5.2.1.2	List re-drafted to refer to the full description of the relevant subsections.
5.2.3	5.2.1.3	
5.2.4	5.2.1.4	
5.2.5	5.2.1.5	
5.2.6	5.2.1.6	
5.2.7 Analysis required for all external walls	5.2.1.7	Heading removed
5.2.8 Notional boundary – firecells on the same property	5.2.1.8	Heading removed
5.2.9	5.2.1.9	
5.3 FRRs of external walls	5.2.2 Fire rating of external walls	Subsection continued under Section 5.2 as it relates to horizontal fire spread. Heading rewritten to align with C/AS1
5.3.1 [First sentence]	5.2.2.1	
5.3.1 [Second sentence]	5.2.2.2	
5.3.2	5.2.2.3	
5.3.3	5.2.2.4	
5.4 Small openings and fire resisting glazing	5.2.3 Small openings and fire resisting glazing	Subsection continued under Section 5.2 as it relates to horizontal fire spread.
5.4.1	5.2.3.1	Text revised to remove reference to Type A and Type B areas as these terms are used in relation to cladding.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Figure 5.1 Method 1 – Permitted small unprotected areas of fire resisting glazing	Figure 5.2.3.1 Permitted small unprotected areas of fire resisting glazing	Figure heading revised to remove reference to “Method 1”. Text revised to remove reference to ‘types’.
5.4.2	5.2.3.2	
5.4.3 Size and spacing of Type A and Type B areas	5.2.3.3	Heading removed
Table 5.1 Maximum permitted areas of fire resisting glazing (m <sup>2</sup> )	Table E.1.1.1A and Table E.1.1.1B	Table relocated to Appendix E alongside other horizontal fire spread tables. Table split into two (unsprinklered and sprinklered).
5.4.4	5.2.3.4	Text revised to remove reference to Type A and Type B areas as these terms are used in relation to cladding.
5.5 Table method for external walls	5.2.4 Unprotected areas and separating by distance	Subsection continued under Section 5.2 as it relates to horizontal fire spread. Subsection heading revised to be more descriptive
5.5.1 [First paragraph]	5.2.4.1	Re-drafted to introduce the subsection and reference Appendix E for the applicable tables.
5.5.1 [Second paragraph]	<Removed from document>	Paragraph removed from document and replaced with paragraphs in Appendix E.2.1.
5.5.1 [Third paragraph]	E.2.1.3	Paragraph relocated to Appendix E.
Figure 5.2 Separation of unprotected areas	Figure E.2.1.3A	Figure relocated to Appendix E.
Figure 5.3 Measuring distance to relevant boundary for use in Table 5.2	Figure E.2.1.3B	Figure relocated to Appendix E.
Table 5.2a Maximum percentage of unprotected area for external walls for risk groups SM and SI	Table E.2.2.1A and Table E.2.2.1B	Table relocated to Appendix E and split into multiple tables.
Table 5.2b Maximum percentage of unprotected area for external walls for risk group CA	Table E.2.2.1C	Table relocated to Appendix E.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Table 5.2c Maximum percentage of unprotected area for external walls for risk group WB professional activities, industrial activities, and intermittently occupied buildings and risk group VP	Table E.2.2.1D	Table relocated to Appendix E.
Table 5.2d Maximum percentage of unprotected area for external walls for risk group WB storage activities	Table E.2.2.1E	Table relocated to Appendix E.
Table 5.2e Maximum percentage of unprotected area for external walls for risk group WS	Table E.2.2.1F	Table relocated to Appendix E.
5.5.2	E.2.1.1	Relocated to Appendix E and re-drafted to introduce the requirements in the Appendix.
5.5.3	E.2.1.2	Relocated to Appendix E and re-drafted
5.5.4	E.2.1.4	Relocated to Appendix E and re-drafted
5.5.5	E.2.3.1	Relocated to Appendix E
Table 5.3 Maximum size of largest permitted single unprotected area in external walls	Table E.2.3.1	Relocated to Appendix E Maximum distance changed from m <sup>2</sup> to m.
5.5.6	E.2.3.2	Relocated to Appendix E
5.5.7	5.2.4.9	
5.6 Horizontal fire spread from roofs and open sided buildings	5.3 Horizontal fire spread from roofs and open sided buildings	
	5.3.1 Roofs	New heading
5.6.1	5.3.1.1	
5.6.2 Parapets for unsprinklered firecells	5.3.2 Parapets for unsprinklered firecells	
5.6.2 [First sentence]	5.3.2.1	Drafted as a list with reference to the property rating re-drafted to align with other similar references.
5.6.2 [Second sentence]	5.3.2.2	
5.6.3 Roof projections	5.3.3 Roof projections	
5.6.3.1	5.3.3.1	
Figure 5.4 Eaves projection	Figure 5.3.3.1	
5.6.4	5.3.3.2	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
5.6.5 [First paragraph]	5.3.3.3	
5.6.5 [Second paragraph]	5.3.3.4	
5.6.6 Open sided buildings	5.3.4 Open sided buildings	
5.6.6 [Paragraph text]	5.3.4.1	
Figure 5.5 Open sided buildings – distance and FRR requirements	Figure 5.3.4.1 Single storey open sided buildings with non-fire rated construction	Figure heading revised based on the scope of the illustration. Figure notes revised.
5.6.7	5.3.4.2	
5.6.8	5.3.4.3	
5.6.9 Floor projections	5.3.5 Floor projections	
5.6.9 [Paragraph text]	5.3.5.1	
5.7 Vertical Fire Spread	5.4 Vertical fire spread	
5.7.1 Roofs	5.4.1 Roofs	
5.7.1 [Paragraph text]	5.4.1.1	
5.7.2	5.4.1.2	
5.7.3 External exitways over roofs	5.4.2	
5.7.3 [Paragraph text]	5.4.2.1	
5.7.4 Primary elements	5.4.3 Primary elements	
5.7.4 [Paragraph text]	5.4.3.1	
5.7.5	5.4.3.2	
5.7.6 Fire spread from an adjacent lower roof	5.4.4 Fire spread from an adjacent lower roof	
5.7.6 [Paragraph text]	5.4.4.1	
5.7.7	5.4.4.2	
5.7.8	5.4.4.3	
5.7.9	5.4.4.4	
Figure 5.6 Vertical fire spread for external walls and roofs	Figure 5.4.4.4	
5.7.10 External fire spread between different levels of the same building	5.4.5 External fire spread between different levels of the same building	
5.7.10 [Paragraph text]	5.4.5.1	
5.7.11	5.4.5.2	
Figure 5.7 Separation of unprotected areas	Figure 5.4.5.2	Figure re-drawn
5.7.12 Spandrels and apron projections	5.4.6 Spandrels and apron projections	
5.7.12 [Paragraph text]	5.4.6.1	Sentences re-ordered.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Table 5.4 Combinations of aprons and spandrels	Table 5.4.6.1	
5.7.13 [First sentence]	5.4.6.2	
5.7.13 [Second and third sentences]	5.4.6.3	
5.7.14 Roof storage	5.4.7 Roof storage	
5.7.14 [Paragraph text]	5.4.7.1	
5.7.15 Roof vehicle parking	5.4.8 Roof vehicle parking	
5.7.15 [Paragraph text]	5.4.8.1	Reference to Table 2.3 revised to Table 2.4 [Table 2.3.1.1].
5.7.16	5.4.8.2	
5.8 External cladding systems	5.5 External cladding systems	
5.8.1 External wall cladding materials	5.5.1 External wall cladding materials	
	5.5.1.1	New paragraph to reference the Building Product Specification for cladding materials.
5.8.1 [Paragraph text]	5.5.1.2	Paragraph revised as a consequence to referencing the Building Product Specification.
5.8.2	5.5.1.3	Paragraph revised as a consequence to referencing the Building Product Specification.
5.8.3	5.5.1.4	Paragraph revised as a consequence to referencing the Building Product Specification.
5.8.4 External wall cladding systems for multi-level buildings with a building height $\geq$ 25 m	5.5.2 External wall cladding systems for multi-level buildings with a building height $\geq$ 25 m	
5.8.4 [Paragraph text]	5.5.2.1	Paragraph revised to reference the Building Product Specification
5.8.5 Cavity barriers	5.5.3 Cavity barriers	
5.8.5 [Paragraph text]	5.5.3.1	
Part 6: Firefighting	Part 6 Firefighting	
6.1 Fire and Emergency New Zealand vehicular access	6.1 Fire and Emergency New Zealand vehicular access	
	6.1.1 Access to buildings	New heading
6.1.1	6.1.1.1	
6.1.2	6.1.1.2	
6.1.3	6.1.1.3	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
6.2 Information for firefighters	Information for firefighters	
	6.2.1 Fire safety systems	New heading
6.2.1	6.2.1.1	
	6.2.2 Hazardous substances	New heading
6.2.2	6.2.2.1	
6.3 Firefighting facilities	6.3 Firefighting facilities	
	6.3.1 Access to fire safety systems	New heading
6.3.1	6.3.1.1	
6.3.2 Fire hydrant system	6.3.2 Fire hydrant system	
6.3.2 [Paragraph text]	6.3.2.1	
6.3.3 Fire and Emergency New Zealand lift control	6.3.3 Fire and Emergency New Zealand lift control	
6.3.3 [Paragraph text]	6.3.3.1	
7. Prevention of Fire Occurring	7. Prevention of Fire Occurring	
Introduction with no number	<Text removed>	Wording of text does not match the scope of Part 7 and removed.
	7.1 Heating appliances	New heading
7.1 Solid fuel appliances	7.1.1 Solid fuel appliances	
7.1.1	7.1.1.1	
7.1.2 Modifications to AS/NZS 2918	7.1.1.3	Rewritten to match drafting of modifications in other documents
7.2 Gas-burning appliances	7.1.2 Gas burning appliances	
7.2.1	7.1.2.1	
7.3 Oil-fired appliances	7.1.3 Oil-fired appliances	
7.3.1	7.1.3.1	
7.3.2 Modifications to AS 1691	7.1.3.2	Re-written to match drafting of modifications in other documents.
7.3.3	7.1.3.3	
7.4 Electrical fire safety	7.2 Electrical fire safety	
	7.2.1 Electrical installations	New heading
7.4.1	7.2.1.1	Reference to G9 revised to match current drafting practices
7.5 Open fires	7.3 Open fires	
7.5.1 Chimneys	7.3.1 Chimneys	
7.5.1 [Paragraph text]	7.3.1.1	

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Table 7.1 Minimum acceptable dimensions of chimneys	Table 7.3.1.1	
Figure 7.1 Chimney terms and dimensions	Figure 7.3.1.1	
7.5.2	7.3.1.2	
Figure 7.2 Brick chimney flues – sections	Figure 7.3.1.2	
7.5.3 [First paragraph]	7.3.1.3	
7.5.3 [Second paragraph]	7.3.1.4	
7.5.4	7.3.1.5	
7.5.5	7.3.1.6	
7.5.6	7.3.1.7	
7.5.7	7.3.1.8	
7.5.8	7.3.1.9	
7.5.9	7.3.1.10	
Figure 7.3 Clearance between a chimney and hearth, and combustible materials	Figure 7.3.1.10	
7.5.10	7.3.1.11	
7.5.11	7.3.1.12	
7.5.12	7.3.1.13	
References	Appendix A. Reference	References to standards removed where they are no longer cited in the document and are now cited in the Building Product Specification. This includes: NZS/BS 476, AS/NZS 3837, NZS 4232, NZS 4520, AS 1366, AS 1530, AS 1682, AS 4072, AS 4254, AS 5113, AS ISO 9705, ISO 5660, ISO 9239, ISO 9705, BS 8414, BS EN 12101, BS EN 13501, NFPA 285, ASTM D 2898, BRE 135, NCC 2015
Definitions	Appendix B. Definitions	Definitions removed from document: Building Act, Building Code. These are shown in the preface on page 2.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Definition entries for: Combustible, fire resisting glazing, Group Number, Limited Combustible, Non-combustible, Smoke control door, Smoke separation, and Standard test	Definition entries for: Combustible, fire resisting glazing, Group Number, Limited Combustible, Non-combustible, Smoke control door, Smoke separation, and Standard test	Definitions revised based on revisions to incorporate the Building Product Specification.
Appendix A (normative): Fire safety systems	Appendix C. Fire safety systems	Re-drafted in paragraph format to match the structure of the document.
Appendix B (normative): Modifications to standards	Appendix D. Modifications to standards	Re-drafted in paragraph format to match the structure of the document. Portions of the text re- written to match drafting of modifications in other documents.
Appendix C (normative): Test methods	Removed from the document. Refer to the Building Product Specifications for fire test methods and product specifications.	
C1.1 General	<Removed from document>	Removed from the document as a consequence of publishing the Building Product Specifications.
C2.1 Flammability of floor coverings	<Removed from document>	Relocated to the Building Product Specifications.
C3.1 Flammability of suspended flexible fabrics and membrane structures	<Removed from document>	Relocated to the Building Product Specifications.
C4.1 Properties of lining materials	<Removed from document>	Removed from the document as a consequence of publishing the Building Product Specifications.
C4.1.1 Combustibility test	<Removed from document>	Relocated to the Building Product Specifications.
C4.1.2	<Removed from document>	Replaced by Section 8.5 of the Building Product Specifications which contains more options for determining the Group Number.
Table C1.1	<Removed from document>	Replaced by the Building Product Specifications.
Table C1.2	<Removed from document>	Replaced by the Building Product Specifications.
C5.1 Fire resistance	<Removed from document>	Relocated to the Building Product Specifications

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
C5.1.1	<Removed from document>	Replaced by the Building Product Specifications.
C5.1.2	<Removed from document>	Replaced by the Building Product Specifications.
C6.1 Fire doors and smoke control doors	<Removed from document>	Replaced by the Building Product Specifications
C6.1.1	<Removed from document>	Relocated to the Building Product Specifications
C6.1.2 Smoke control doors	<Removed from document>	Relocated to the Building Product Specifications
C6.1.2 a)	<Removed from document>	Replaced by the Building Product Specifications except for C6.1.2 h). C6.1.2 h) has been divided into two parts with the applicable references to signs relocated to C/AS2 Part 3 and Part 4.
C6.12 Frictional forces	<Heading removed from document>	
C6.1.2 [First sentence]	4.4.2.8	Relocated to Part 4. Re-formatted into a list.
C6.1.2 [Second sentence]	4.4.2.9	Re-drafted to align with the Building Product Specifications for self-closing devices.
C6.1.2 [Third sentence]	4.4.2.10	
C6.1.4 Self-closing provision	4.4.2.11	Included a cross-reference to Subsection 4.5.1 as self-closing devices are not required for some group sleeping areas.
C6.1.5	4.4.2.12	
C6.1.6 Automatic smoke-sensing devices	3.9.7.3	Relocated to Part 3 as a consequential amendment from referencing the Building Product Specifications.
C7.1 Fire properties of external wall cladding systems	<Removed from document>	Relocated to the Building Product Specifications.
C7.1.1	<Removed from document>	Replaced by the Building Product Specifications.
C7.1.2	<Removed from document>	Relocated to the Building Product Specifications.
C7.1.3	<Removed from document>	Relocated to the Building Product Specifications.

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
C7.1.4	<Removed from document>	Relocated to the Building Product Specifications.
Table C1.3	<Removed from document>	Relocated to the Building Product Specifications.
	Appendix E. Horizontal fire spread tables	New appendix to contain the horizontal fire spread tables from Part 5.
	E.1 Fire resisting glazing	New heading
	E.1.1 Maximum permitted areas of fire resisting glazing	New heading
	E.1.1.1	New paragraph to introduce the appendix and the tables
	Table E.1.1.1A Maximum permitted areas of fire resisting glazing for unsprinklered firecells (m2)	New table using unsprinklered values from Table 5.1. Headings and table notes redrafted.
	Table E.1.1.1B Maximum permitted areas of fire resisting glazing for sprinklered firecells (m2)	New table using sprinklered values from Table 5.1. Headings and table notes redrafted.
	E.2 Minimum distances and maximum unprotected areas	New heading
	E.2.1 Overview	New heading
5.5.2	E.2.1.1	New paragraph to introduce the appendix based Paragraph 5.5.2.
5.5.3	E.2.1.2	Paragraph re-drafted and relocated from Part 5.
5.5.1 [Third Paragraph]	E.2.1.3	Relocated from Part 5.
Figure 5.2 Separation of unprotected openings	Figure E.2.1.3A Separation of unprotected areas between two buildings or properties	Relocated from Part 5. Figure name revised to avoid duplication of figure names and to be more specific to the illustration.
Figure 5.3 Measuring distance to relevant boundary for use in Table 5.2	Figure E.2.1.3B Measuring distances and angles from an external wall to a relevant boundary	Relocated from Part 5. Figure name revised to be more specific to the illustration.
5.5.4	E.2.1.4	Relocated from Part 5
	E2.2 Maximum percentage of unprotected area for external walls	New heading
	E.2.2.1	New paragraph to introduce unprotected area tables

## Information on the second edition

C/AS2 First edition Amendment 3	C/AS2 Second edition	Comments on C/AS2 Second Edition
Table 5.2a [risk group SM]	Table E.2.2.1A	Table split into two for risk group SM and risk group SI. Table re-formatted to reduce the number of columns and merged headings.
Table 5.2a [risk group SI]	Table E.2.2.1B	Table split into two for risk group SM and risk group SI. Table re-formatted to reduce the number of columns and merged headings.
Table 5.2b	Table E.2.2.1C	Table re-formatted to reduce the number of columns and merged headings.
Table 5.2c	Table E.2.2.1D	Table re-formatted to reduce the number of columns and merged headings.
Table 5.2d	Table E.2.2.1E	Table re-formatted to reduce the number of columns and merged headings.
Table 5.2e	Table E.2.2.1F	Table re-formatted to reduce the number of columns and merged headings.
	E.2.3 Largest individual unprotected areas	New heading
5.5.5	E.2.3.1	Paragraph from Part 5 relocated to introduce the table for largest unprotected areas
Table 5.3	Table E.2.3.1	Table headings revised to remove merged headings.
5.5.6	E.2.3.2	

CONTACT DETAILS PO Box 1473, Wellington 6140 | T 0800 242 243 | E [info@building.govt.nz](mailto:info@building.govt.nz)

For more information, visit [building.govt.nz](http://building.govt.nz)

ISBN (online) 978-1-991409-24-9

© Ministry of Business, Innovation and Employment 2025. You may use and reproduce this document for your personal use or for the purposes of your business provided you reproduce the document accurately and not in an inappropriate or misleading context. You may not distribute this document to others or reproduce it for sale or profit.

The Ministry of Business, Innovation and Employment owns or has licences to use all images and trademarks in this document. You must not use or reproduce images and trademarks featured in this document for any purpose (except as part of an accurate reproduction of this document) unless you first obtain the written permission of the Ministry of Business, Innovation and Employment.