Canadian Home Builders' Association





2020 Public review on proposed changes to codes: Find out what it means for you

Summary of proposed changes and how to submit comments

With Frank Lohmann and Corey Carson, Codes Canada





CODES CANADA

Housing and Small Buildings

NBC 2020 Proposed Changes to Part 9 January 2020 Public Review

Corey Carson, Technical Advisor

Part 9 Energy Efficiency: Feb. 18, 2020

Clear pathway to Net-Zero Energy Ready

National Energy Codes that set the pathway rather than follow the industry

Key steps to Net-Zero Energy Ready

- Research, education, industry planning and investment improve capacity
- Industry innovations improve technology and construction practices
- A clear pathway increases industry readiness, energy efficiency, compliance, capacity and harmonization of building code practice

Higher demand reduces the cost of technology

NZER construction becomes mainstream, affordable

Industry engagement



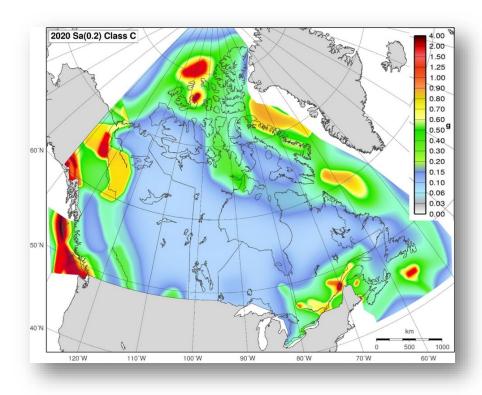
adopt NZER codes for

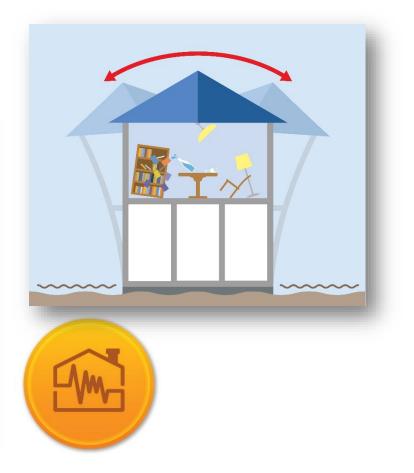
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Government

engagement

PCF 1475: Lateral loads in high seismic areas: Feb. 21, 2020







PCF 1640: Reference Standards

- Over 130 reference standard updates related to Part 9 over 2 ½ years.
- Standing Committee on Housing and Small Buildings refers review to working groups on specific disciplines for a decision.





PCF 1490: Correct the formula for Basic Footing Widths and Areas

This proposed change clarifies the definition of the sum of supported joist spans used to adjust minimum footing sizes (Table 9.15.3.4.).





PCF 1462: Roof Trusses

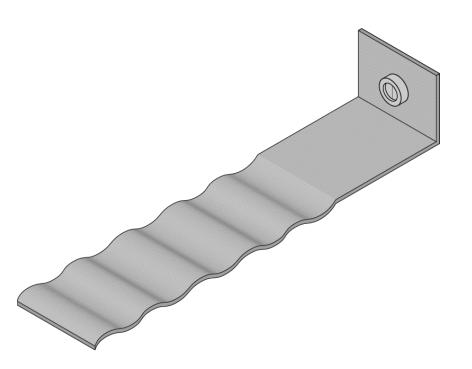
- This proposed change:
 - removes reference to CSA S307-M
 - references TPIC design guidelines
 - Refers to truss drawings for bracing requirements.





PCF 1463: Coatings of Connectors in Contact with Masonry

- This proposed change requires masonry connectors to:
 - be corrosion resistant
 - be pre-bent during manufacture
 - have fasteners with minimum penetration





PCF 1512: Coatings of Connectors and Fasteners in Contact with Pressure Treated Wood

- This proposed change requires:
 - pressure treated wood connectors to be hot dip galvanized to Z550
 - fasteners to be galvanized to ASTM A153 or an equivalent coating





PCF 1469: Fasteners and Connectors for Wood Frame Construction

Existing title of 9.23.3.:Fasteners

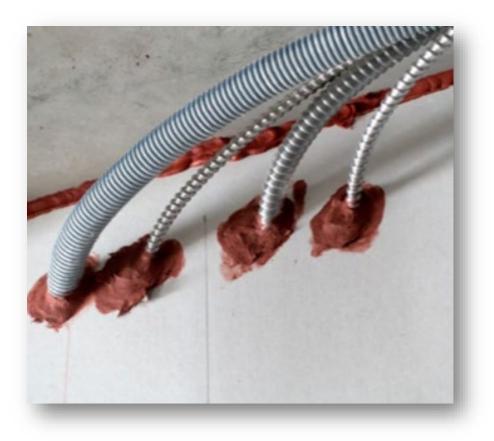
> Proposed title : Fasteners and Connectors





PCF 1576: Penetrations Through Fire Separations (Part 9)

- This proposed change
 - aligns provisions on penetrations through fire separations with proposed changes for Part 3.
 - aligns with industry practice.





PCF 339: Open risers

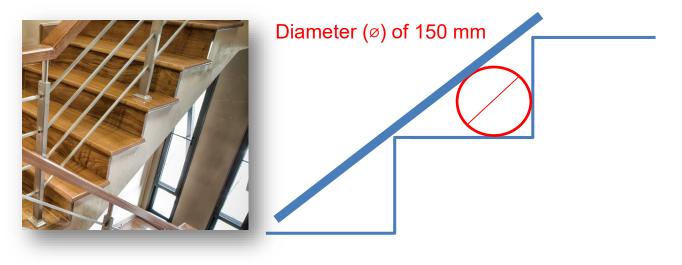
- New provisions only allow open risers for:
 - Fire escape stairs
 - Stairs for maintenance and service rooms
 - Stairs that serve industrial occupancies other than storage garages
 - Stairs serving not more than one dwelling unit





PCF 356: Open stringers

This proposed change sets the limit for the triangular openings formed by the riser, tread and bottom element of a required guard.





PCF 1425: Required Landings

The proposed change adds an explanatory note for the purpose of the door swinging away from the stairs.





PCF 1421: Loads on Guards

The proposed change limits the deflection of balusters in a guard when subjected to 0.1kN of in-plane load.

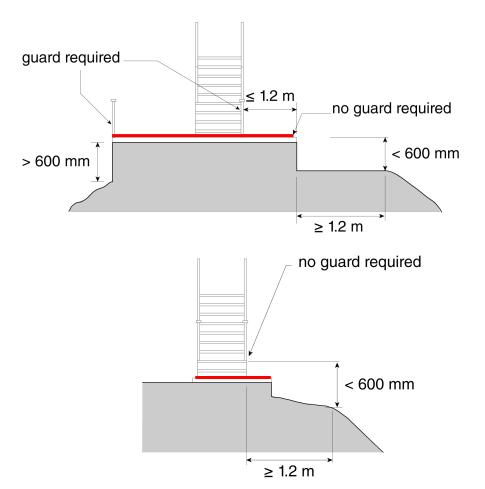




PCF 1422: Protection of Raised Walking Surfaces

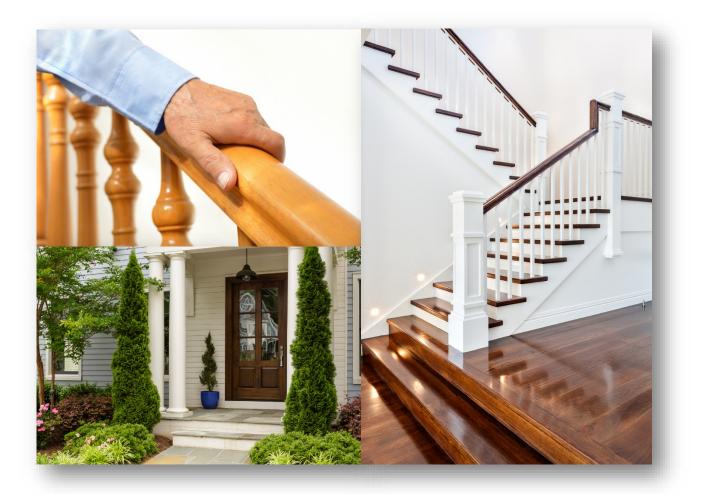
- The proposed change clarifies that
 - raised surfaces

 need to be protected
 where there is a
 difference in elevation
 of more than 600 mm
 between the walking
 surface and the
 adjacent surface
 within 1.2 m.





PCF 1432: Required Handrails Stairs with 1, 2 or 3 steps





2020 Public Review: Farm buildings in the NBC





2020 Public Review: Accessibility in NBC















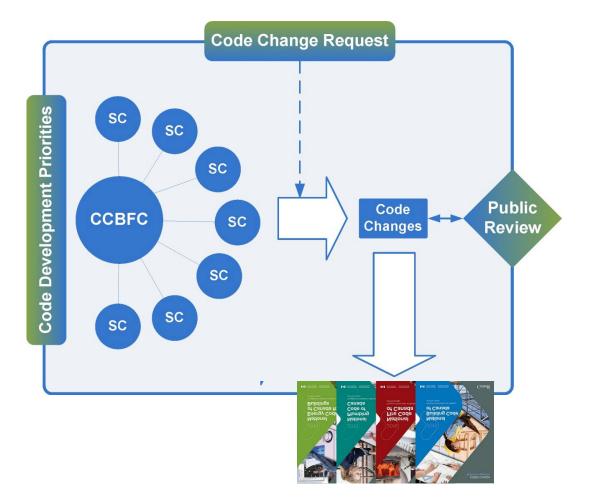
DECODING THE NATIONAL CODE PROCESS

Public Review

CHBA Webinar

Frank Lohmann

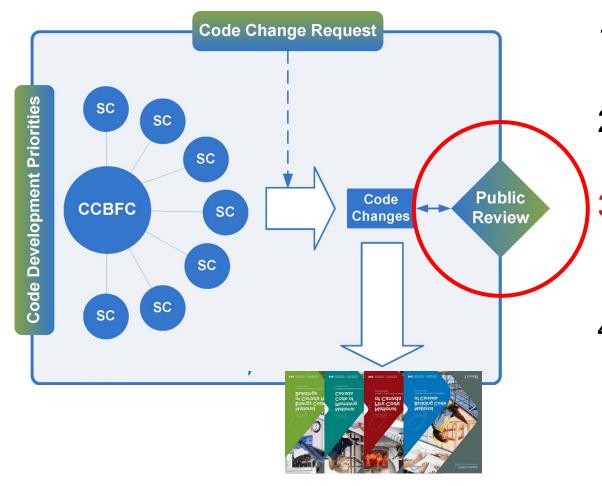
Access Points to Code Process



- 1. Submit Requests
- 2. Participate in Committees
- Submit
 Public Review
 Comments
- 4. Inform CCBFC Priorities



Access Points to Code Process



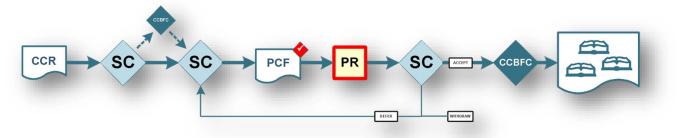
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Code Development Process

> From change request to code provision

- change request from proponent
- standing committee review & recommendation
- CCBFC work plan approval
- standing committee reviews code and develops changes
- public review
- standing committee revision and final recommendation
- CCBFC decision
- publication of Codes





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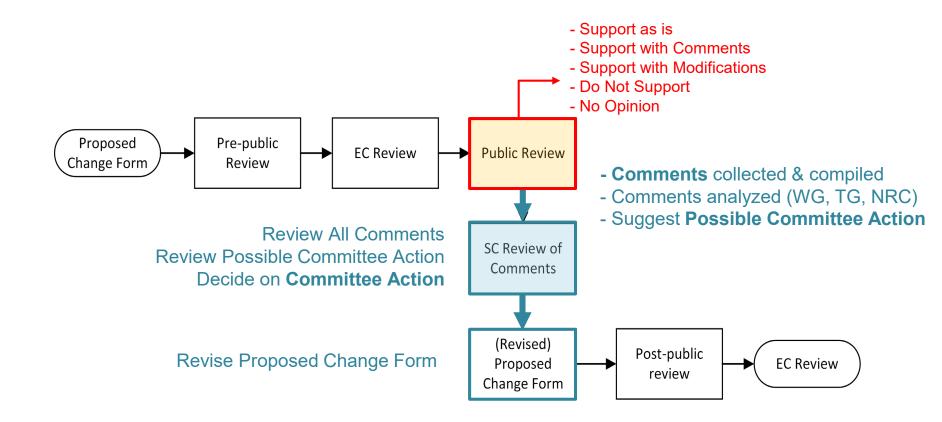


What Happens to Public Review Comments



NEW SERVICE WORLDWS

Review of Public Review Comments





How to Submit Public Review Comments



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	▼ (Proposed changes to 47 provisions)
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	9.4.2. Specified Loads
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	9.8.4. Step Dimensions
	• <u>339 - Open Risers in Public Stairs (Part 9)</u>
	9.8.6.2. Required Landings
	<u>1425 - Required Landing at the Top of Stairs</u>
	9.8.7.1. Required Handrails



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	4.1.8.4. Site Properties
	• <u>1403 - Site Designation</u> <u>10</u> <u>11</u> <u>12</u>
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Suppo	orting Documents					
1	1 Cost Impact Analysis for PCFs 1403 and 1405 (PDF 604 KB)					
2	<u>Proposed NBC2020 (Vs30 = 450 m/s) vs NBC2015 (Class C) Seismic Design Data for Localities in Canada - 2%/50</u> <u>year values</u> (PDF 1215 KB)					
3	Large Farm Buildings Technical Provisions (PDF 303 KB)					
4	Accessibility (PDF 292 KB)					
<u>5</u>	5 Cost Impact Analysis for PCF 1514 (PDF 489 KB)					
<u>6</u>	Class E to A UHS for NBC2020 localities Probability 10%/50 years (PDF 3634 KB)					
7	Vs30 140 to 3000 m/s UHS for NBC2020 localities Probability 10%/50 years (PDF 10368 KB)					
8	<u>Class E to A UHS for NBC2020 localities Probability 5%/50 years</u> (PDF 3635 KB)					
<u>9</u>	Vs30 140 to 3000 m/s UHS for NBC2020 localities Probability 5%/50 years (PDF 10573 KB)					
<u>10</u>	Cost Impact Analysis for PCFs 1403 and 1405 (PDF 604 KB)					
11	<u>Class E to A UHS for NBC2020 localities Probability 2%/50 years</u> (PDF 1902 KB)					



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How to Write Public Review Comments



Attributes of Helpful Comments

- > Describe how the proposed change(s) applies to your situation
- > Describe what works, what doesn't with the proposed change
- > Explain why you can't support the change
- > Propose modifications or alternative approaches
 - Justify your proposed modifications
 - Support them with evidence, if possible
- > Make your comments concise and precise
- > If your comment gets long, help the committee to organize it
 - Number your ideas/issues or use titles
 - Separate different comments/suggestions one per paragraph

> Committees love supportive comments, too!



- > Your comments are considered
- > Your comments can make a difference
- Well-written comments help the committees make good decisions

>Get involved! It's your code





Canadian Home Builders' Association





Questions?

Contact Jack Mantyla Director, Technical Services CHBA National mantyla@chba.ca