

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



National Research  
Council Canada

Conseil national de  
recherches Canada

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

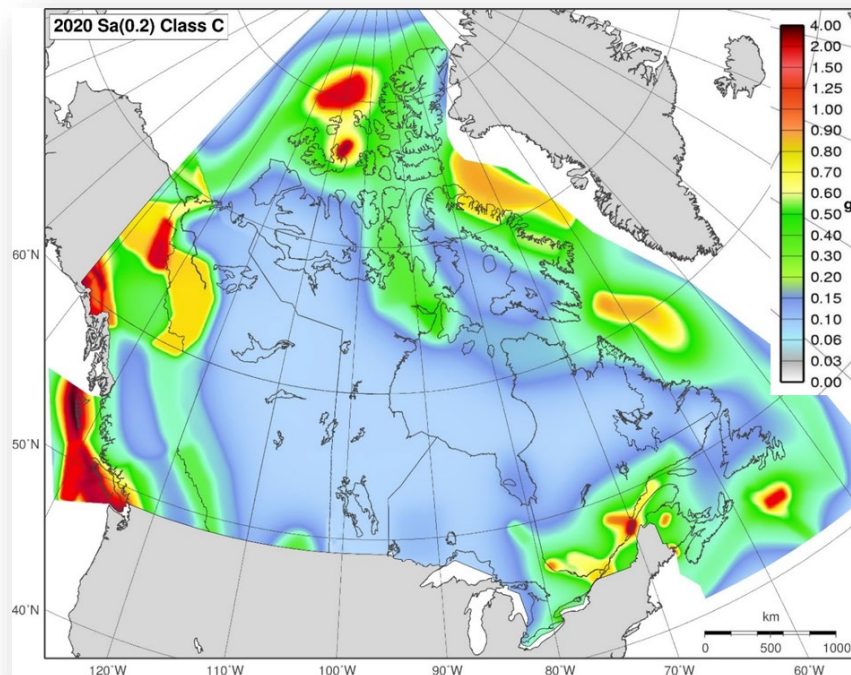
Provinces and territories adopt  
codes to improve the energy  
efficiency of existing buildings

Provinces and Territories  
adopt **NZER** codes for  
new buildings

2030

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

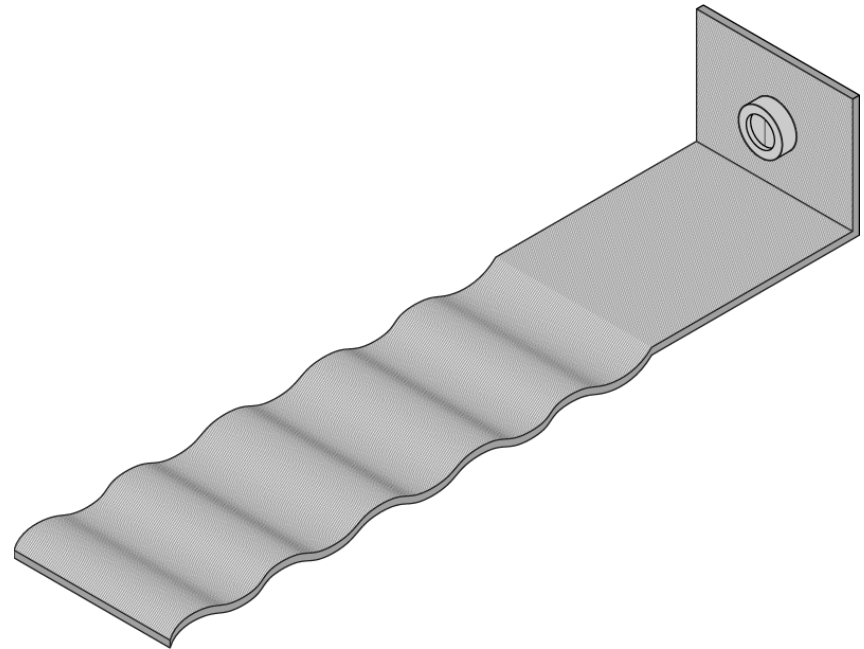
- This proposed change:
  - removes reference to CSA S307-M
  - references TPIC design guidelines
  - Refers to truss drawings for bracing requirements.



# 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.





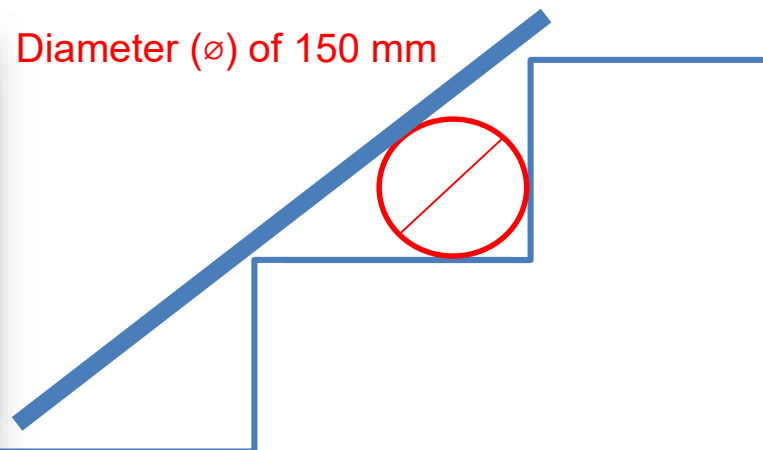
# PCF 339: Open risers

- 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

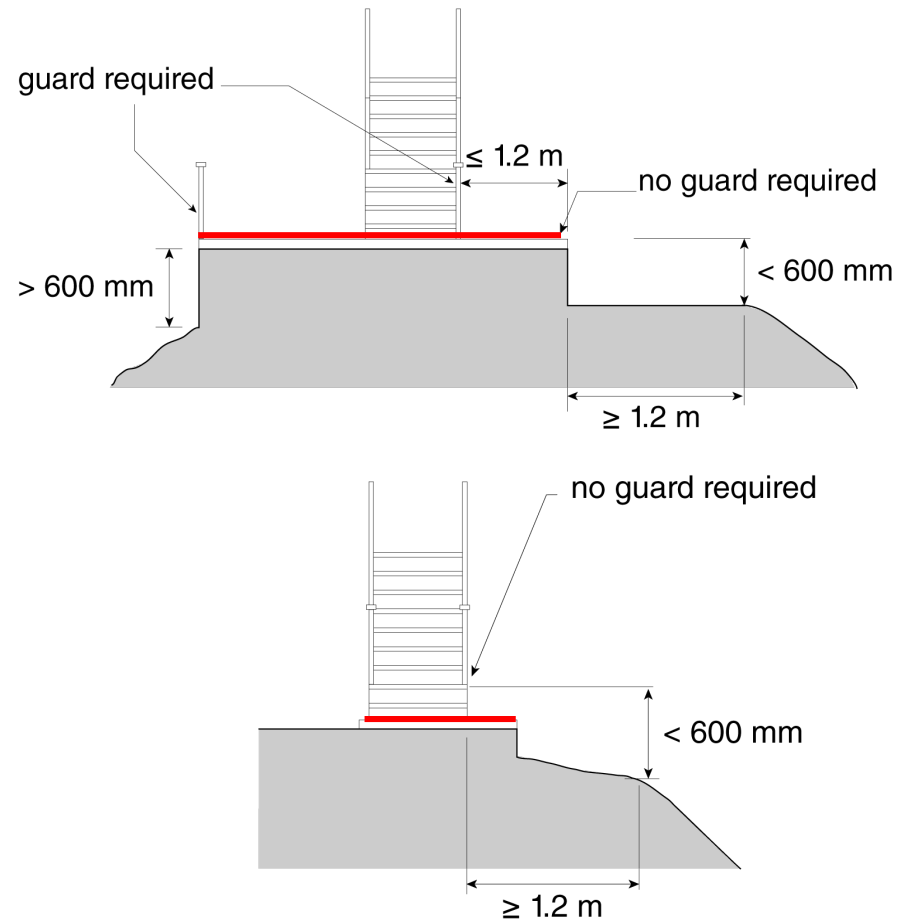
- The proposed change limits the deflection of balusters in a guard when subjected to 0.1kN of in-plane load.



# 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



General

Fire  
protection  
and  
occupant  
safety

Structural  
design

HVAC

# 2020 Public Review: Accessibility in NBC



Facilities



Signage



Entrances



Elevators



National Research  
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recherches Canada

Canada

# DECODING THE NATIONAL CODE PROCESS

## Public Review

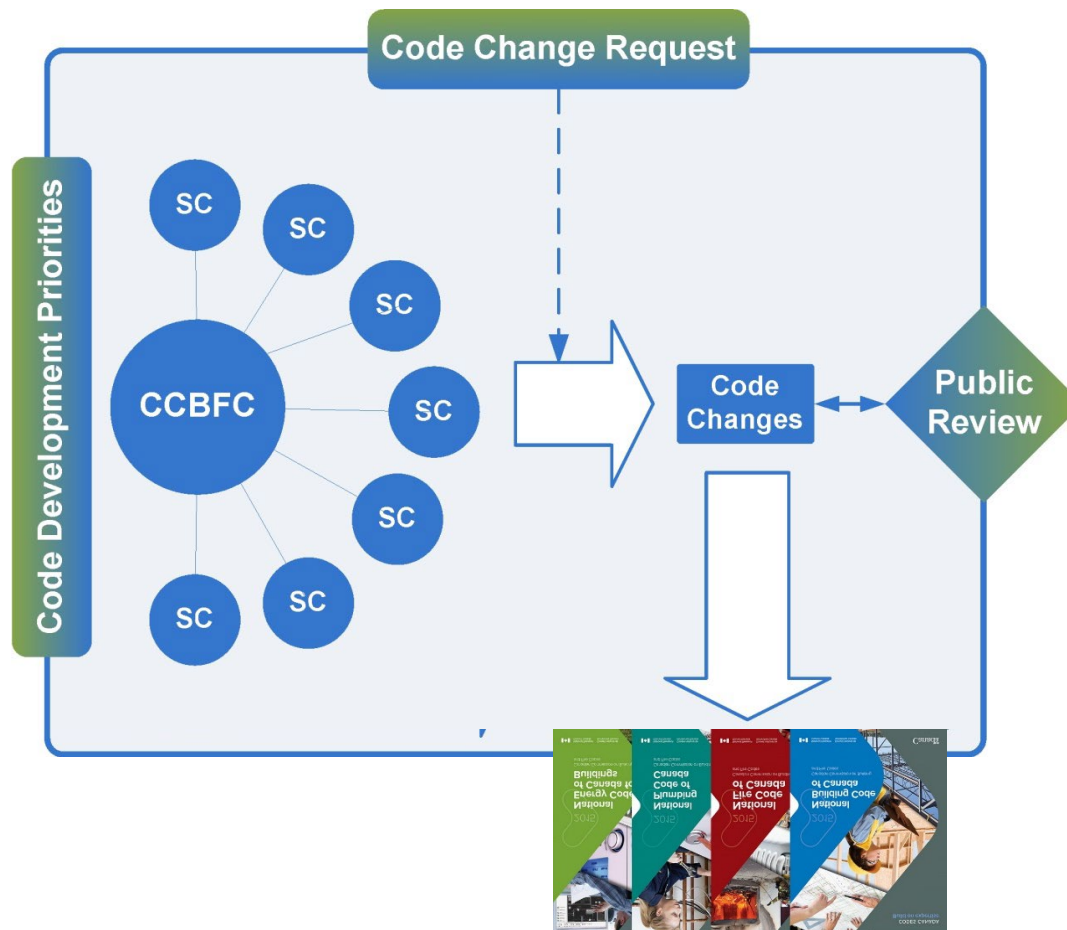
CHBA Webinar

Frank Lohmann



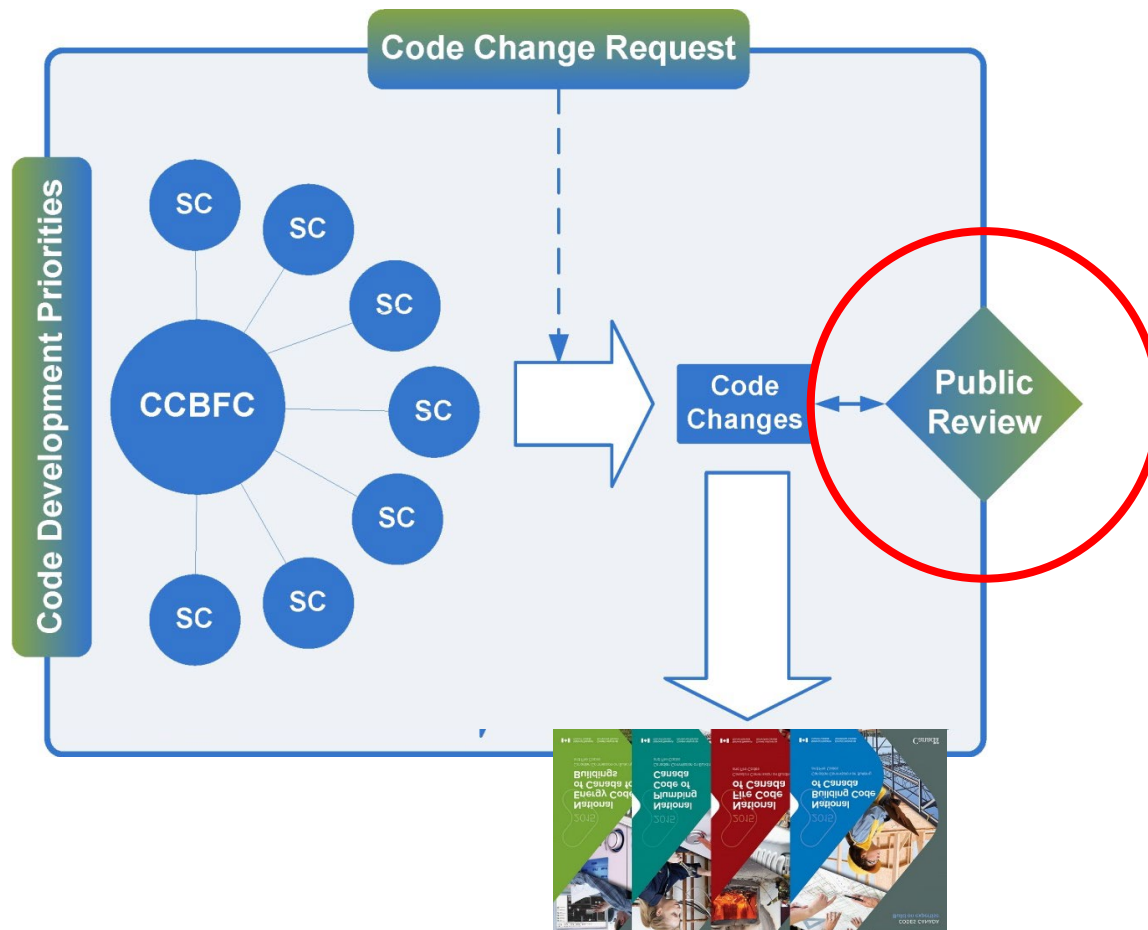


# Access Points to Code Process



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

# Access Points to Code Process

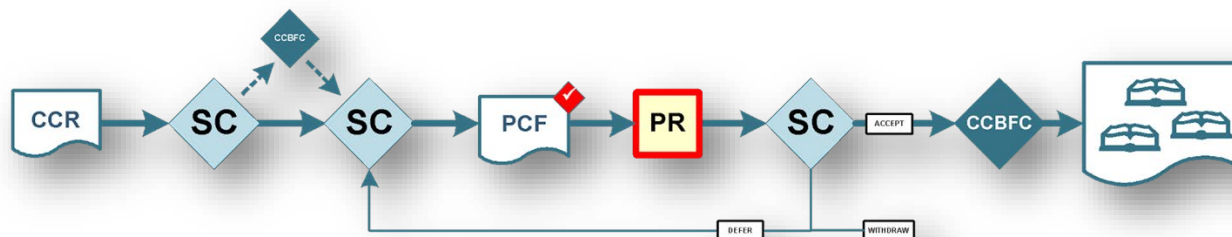


1. Submit Requests
2. Participate in Committees
3. **Submit Public Review Comments**
4. Inform CCBFC Priorities

# Code Development Process

## ➤ From change request to code provision

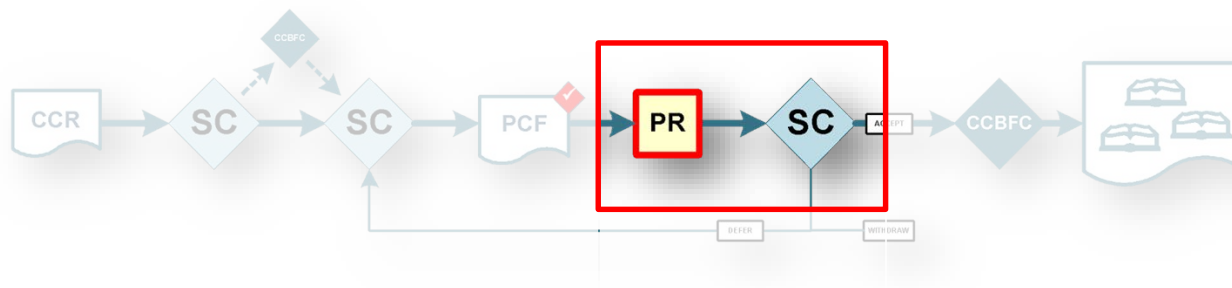
- change request from proponent
- standing committee review & recommendation
- CCBFC work plan approval
- standing committee reviews code and develops changes
- public review
- standing committee revision and final recommendation
- CCBFC decision
- publication of Codes



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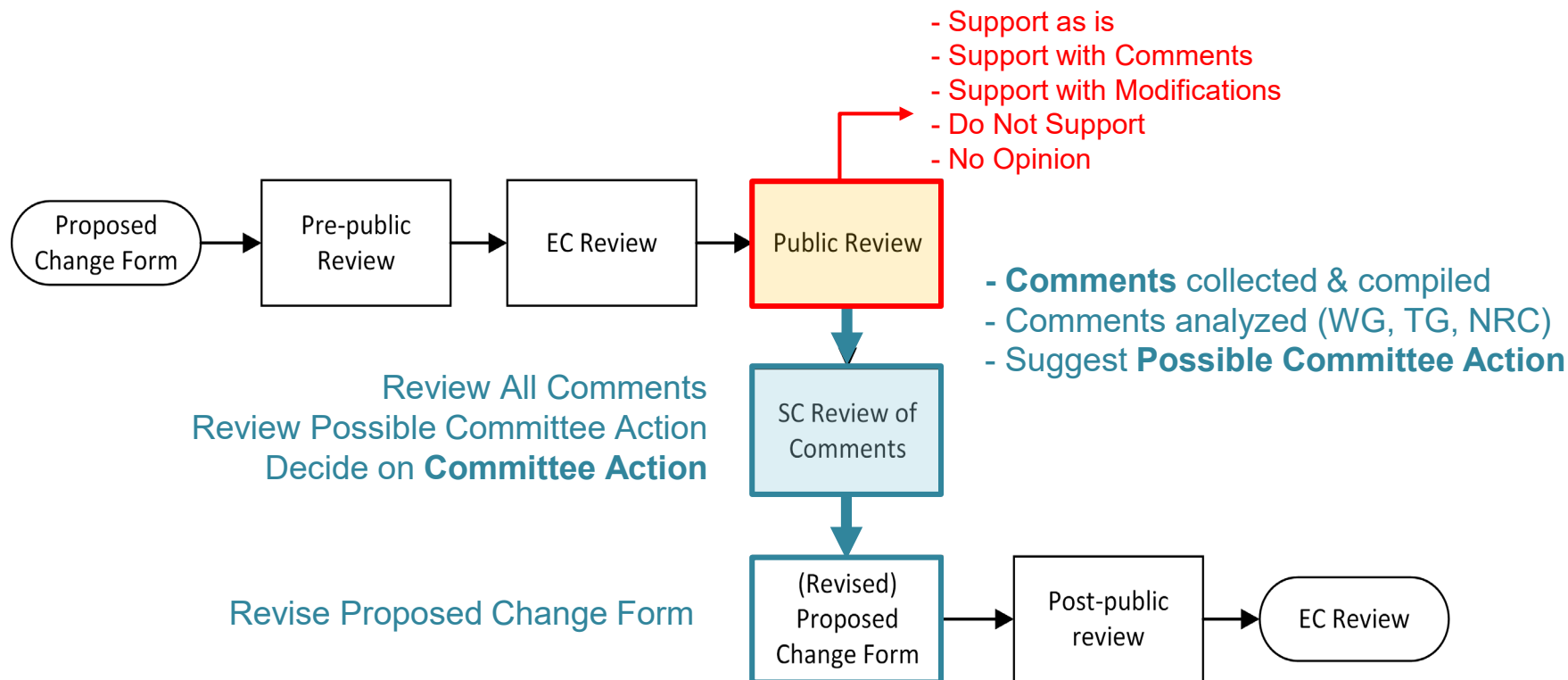




# What Happens to Public Review Comments



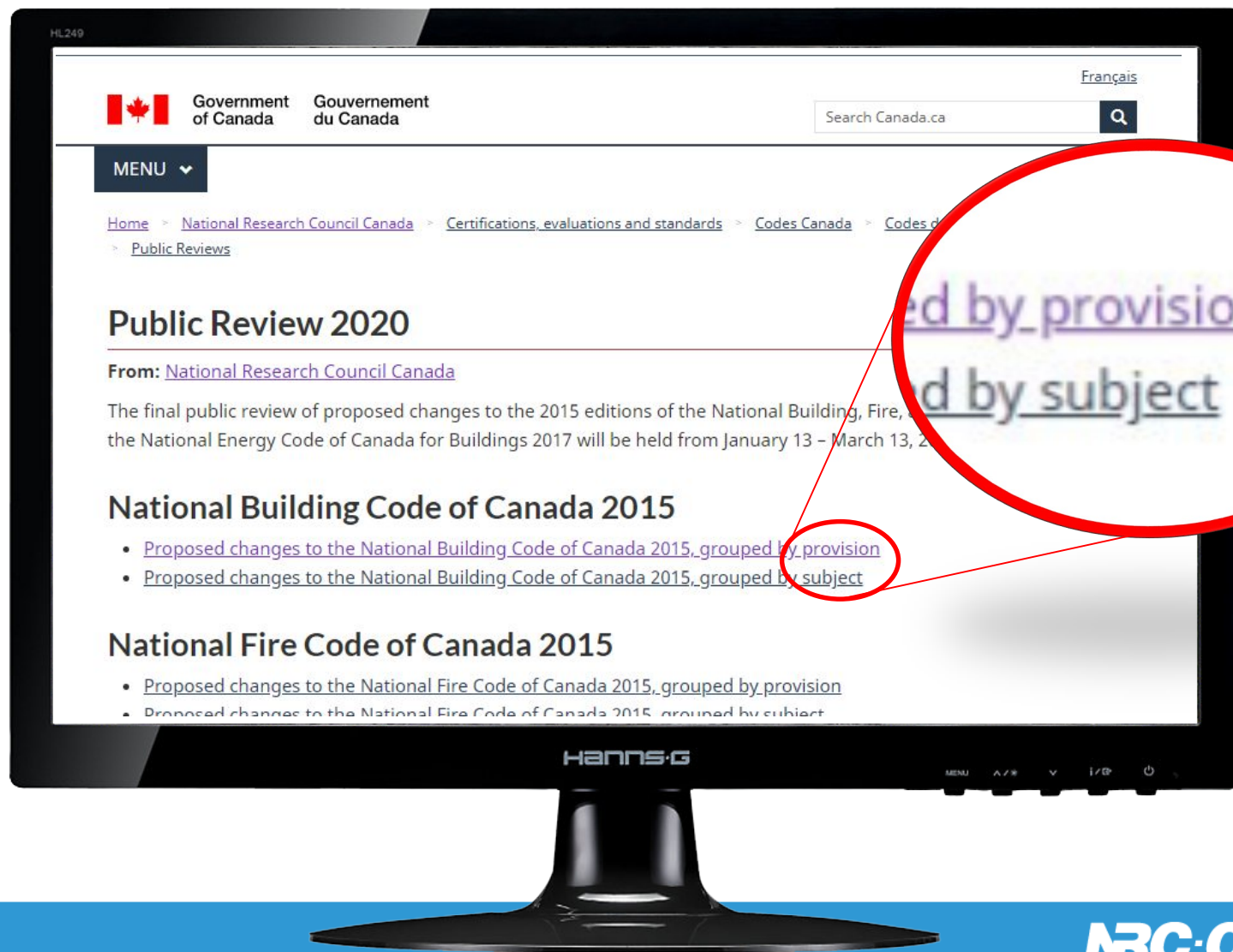
# Review of Public Review Comments



# How to **Submit** Public Review Comments



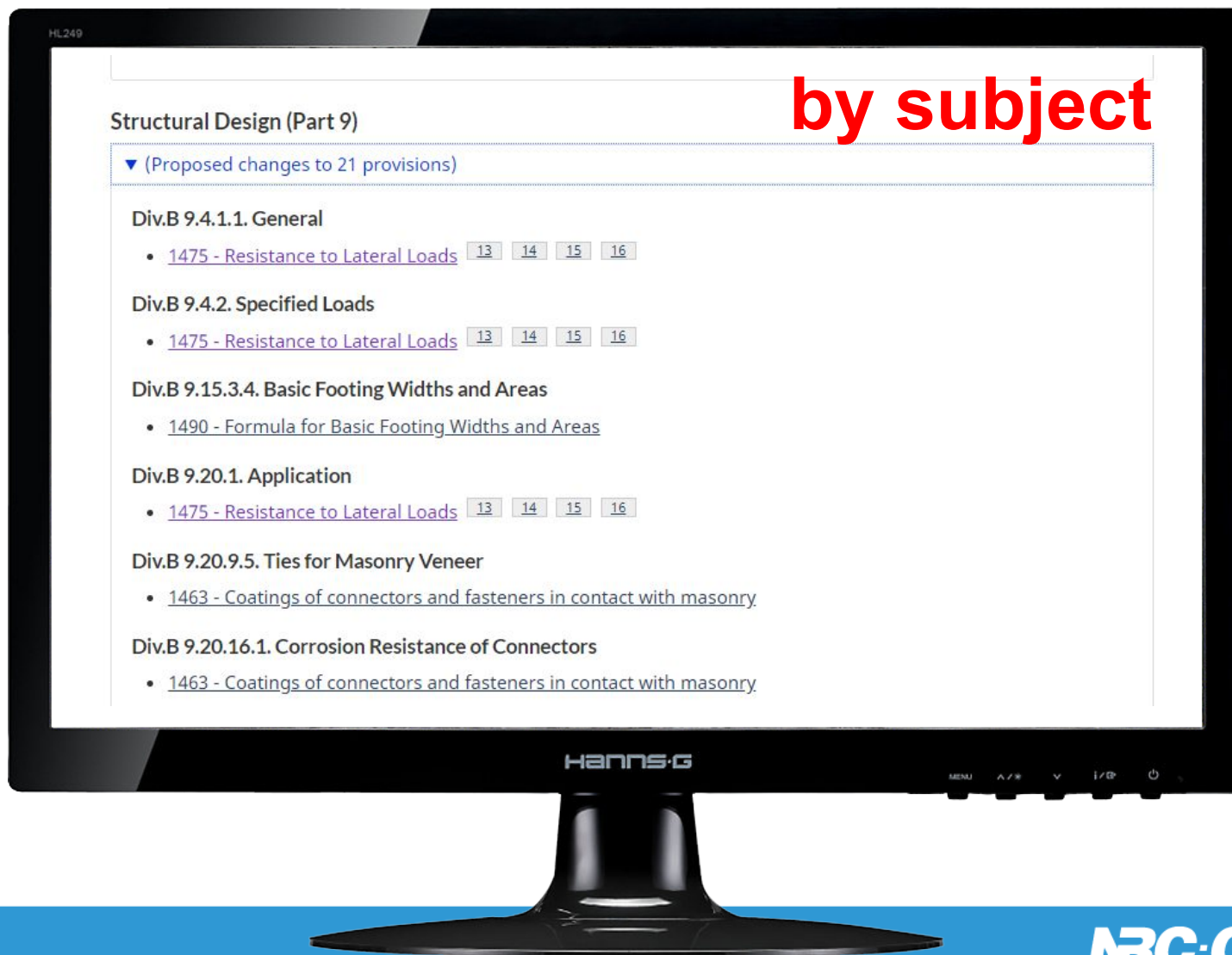
# How to Submit a Comment ...





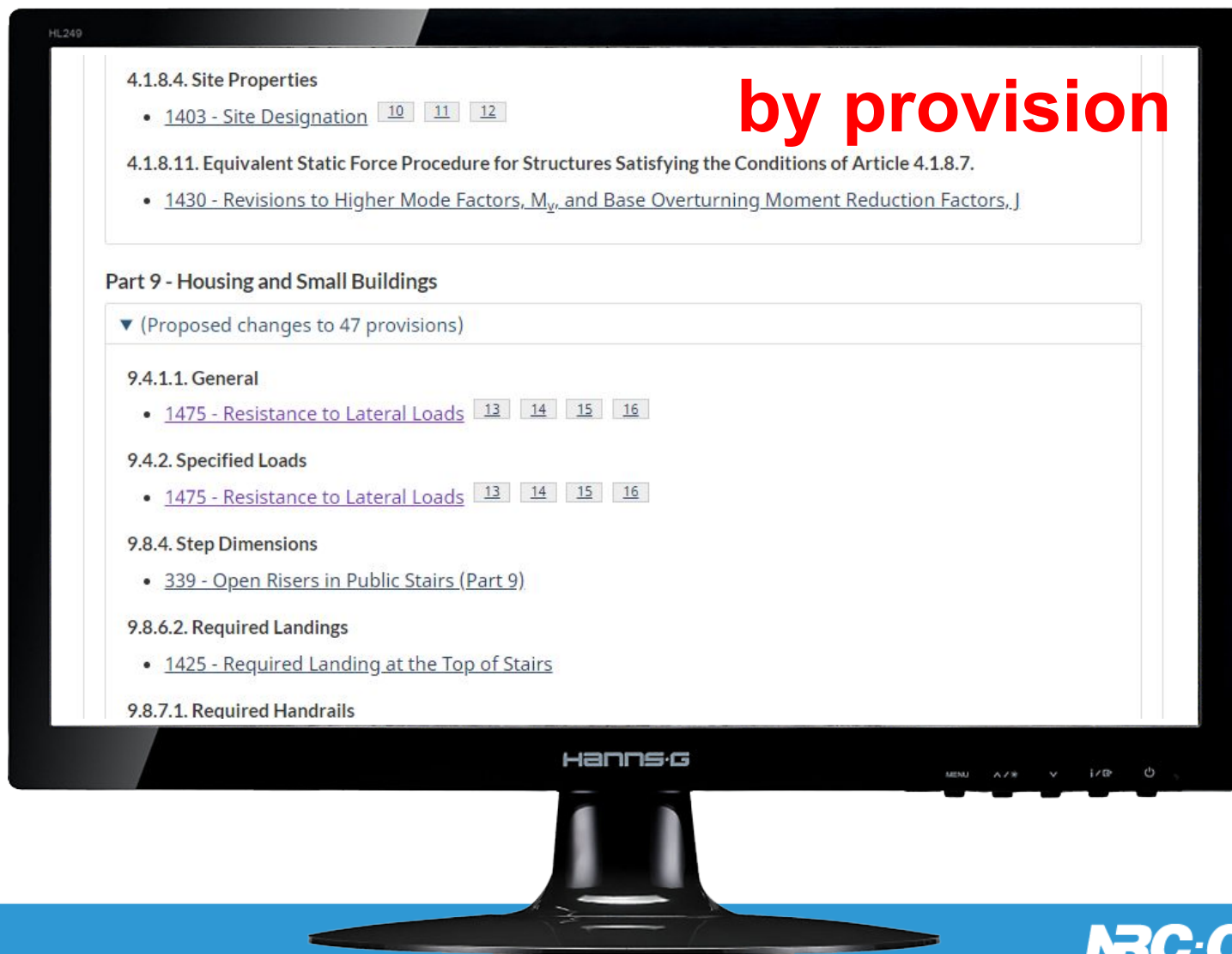
# How to Submit a Comment ...

**by subject**

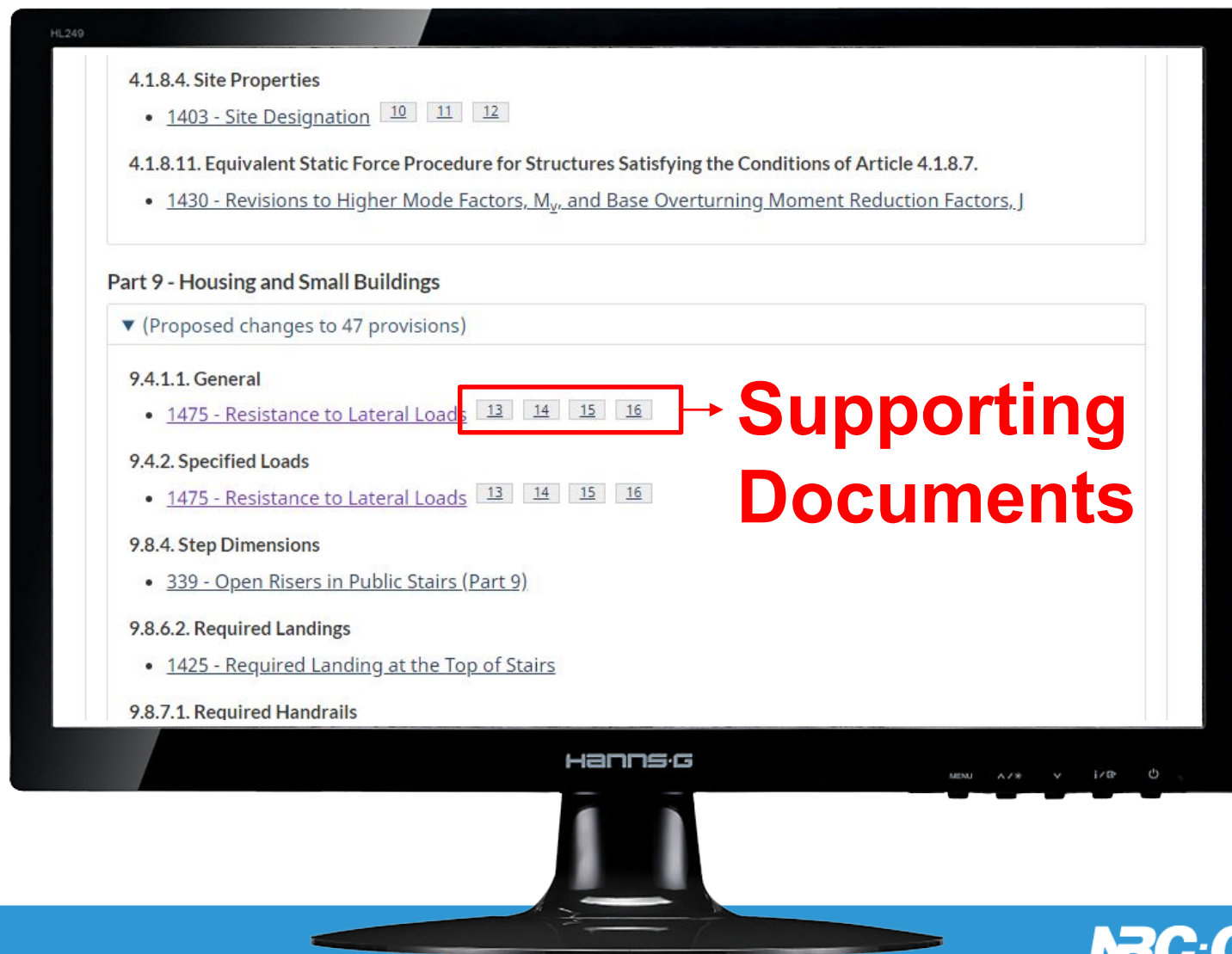


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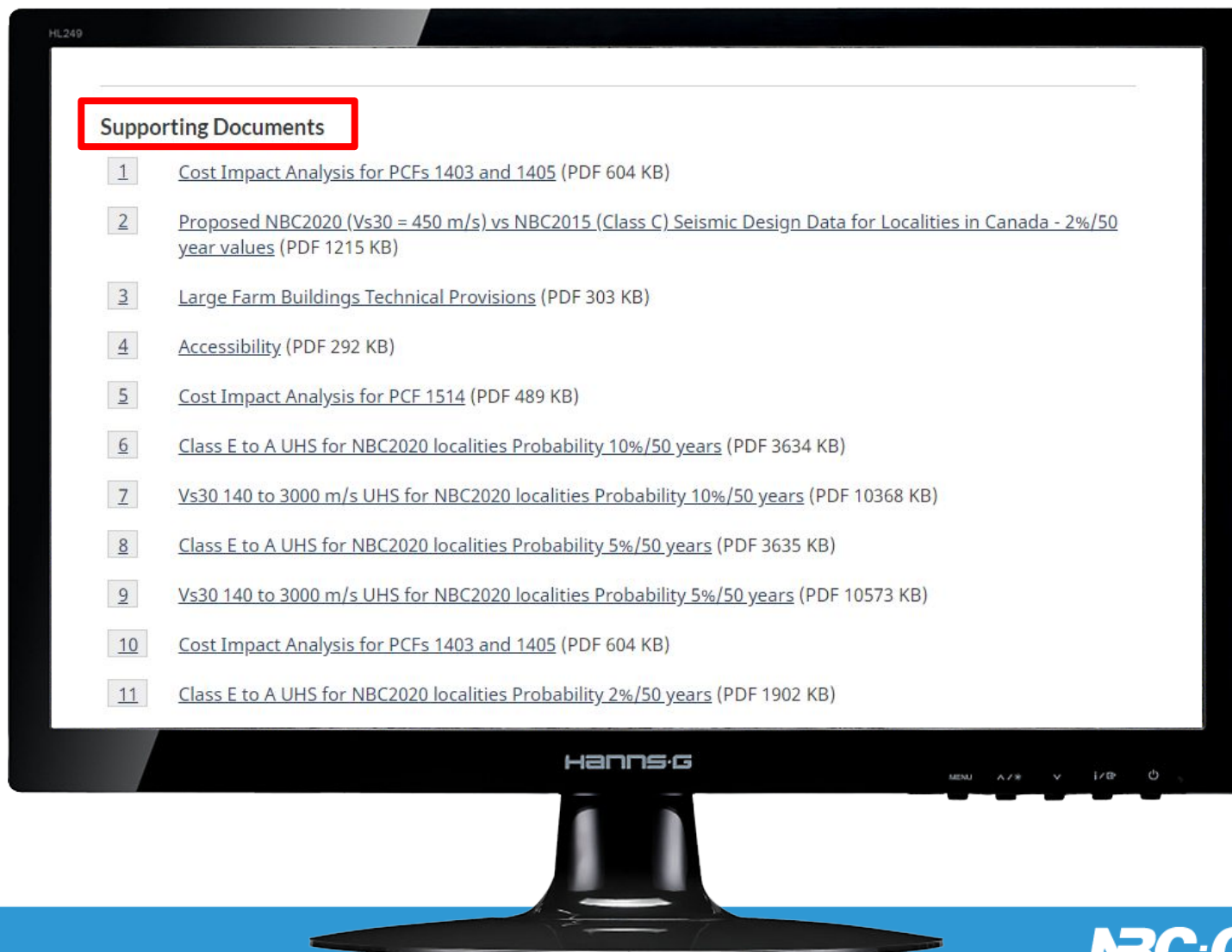
by provision



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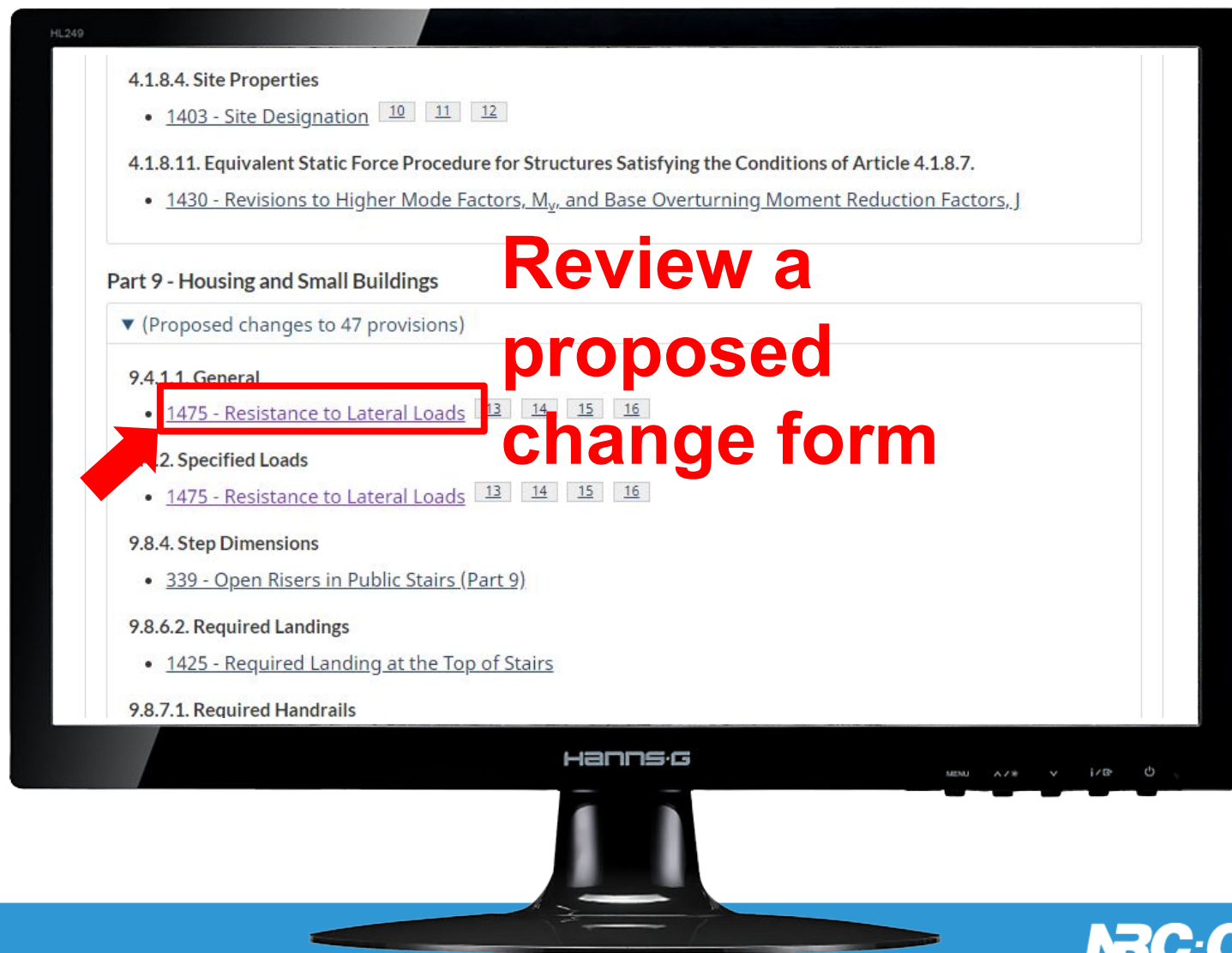


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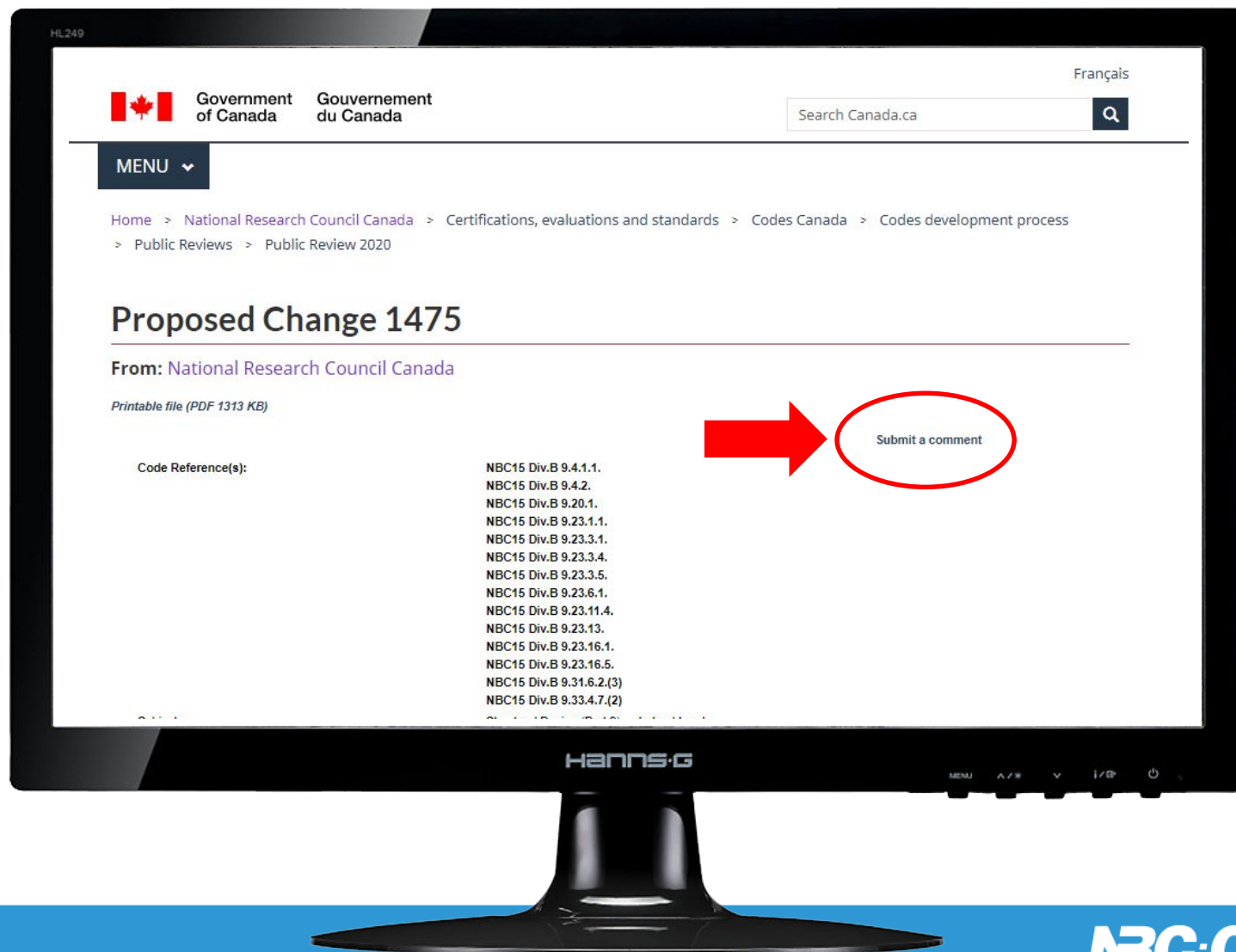




# How to Submit a Comment ...



# How to Submit a Comment ...



# How to Submit a Comment ...

HL249

Section II - Comments

Proposed changes : (required):

1475: (NBC) Resistance to Lateral Loads ▼

Support Status (required):

- ☐ I **support** this proposed change **as is**.
- ☐ I **support** this proposed change **as is with comment(s)**.
- ☐ I **support** this proposed change **with modification(s)**.
- ☐ I **do not support** this proposed change for the reason(s) stated below.
- ☒ I have reviewed this proposed change and I have **no opinion** on it.

Comment(s) or modification(s) :

Send Comments

HANNS-G

MENU ▲/▼ ▼ I/O ⏻

# 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!***

# Take Aways

- 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  
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Association



## Questions?

Contact Jack Mantyla  
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