



Safety Codes Council

MINUTES OF THE FIFTH BUILDING SUB-COUNCIL MEETING OF 2020

DATE: May 14, 2020

TIME: 8:30 a.m. to 2:30 p.m.

LOCATION: Teleconference

PRESENT: *Sub-Council Members*

Andy Smith, Chair

Colin Belliveau

Russell Croome, Vice Chair North

David Flanagan (Morning Only)

Rick Gratton

Stephen Hill

Keith Jansen

Corey Klimchuk

Robert Kralka

Matthew Kramer (Morning Only)

Grace O'Brien

Brendan Ottosen

Lee Phillips

Terry O'Flaherty

Darin Sceviour

Bruce Schultz, Vice Chair South (not between 10 am and 2 pm)

Safety Codes Council

Kathryn Derkach, Jennifer Johnson

Alberta Municipal Affairs

Paul Chang, Mike Hill

GUESTS: Justin Pockar, City of Calgary (Introductions Only); Cameron Bardas (Item 4.8.1 only);
Karen Muir, BFSC
Liaison; Gerry Wiles, ESC Liaison; Chris Taylor, FSC Liaison

RECORDER: Jennifer Johnson

2020 MEETINGS: September 17, November 5

1. Meeting Opening

The Chair called the meeting to order at 8:30 a.m. A round table introduction was held and teleconference etiquette was reviewed.

1.1 Agenda Adoption

The following changes were made to the agenda:

- 2.1.3. Nomination of Justin Pockar to represent Large Municipalities – South
- 4.4. Quality Assurance Framework presentation deferred to a future meeting

Keith Jansen/Bruce Schultz moved that the agenda be adopted, as amended; CARRIED

1.2 Adoption of the March 19 Minutes

Terry O’Flaherty/Stephen Hill moved to adopt the minutes of the March 19 meeting, as circulated; CARRIED

2. Matters for Decision

2.1. Closed Session

Corey Klimchuk/Terry O’Flaherty moved to enter closed session; CARRIED.

The discussion of items 2.1.1., 2.1.2., and 2.1.3. was held in closed session.

Terry O’Flaherty/Grace O’Brien moved to come out of closed session; CARRIED.

2.1.1. Energy Efficient Seat and Nominating Organization

It was decided that members would prepare a skills matrix for a future energy efficiency seat and that would be used for the basis of the decision. Members are also welcome to research alternative options for nominating organizations and bring them forward to the next meeting. [All]

2.1.2. Request for new seat on sub-council

Grace O’Brien/Lee Philips moved to recommend to the Board that a new seat be created for the Refrigeration, Air Conditioning and Heating Association of Alberta; DEFEATED.

2.1.3. Nomination of Justin Pockar to represent Large Municipalities – South

Corey Klimchuk/Terry O’Flaherty moved to recommend to the Board appointment of Justin Pockar to the Building Sub-Council to represent Major Municipalities – South for a term ending January 31, 2023 effective immediately; CARRIED.

2.2. 19-BCB-001 Steel Building Systems

The Administrator provided a revised version of this this STANDATA which aims to define what qualifies as a steel building system. Members provided comments to further enhance clarity:

- There is an implication that schedules/field review is not needed for steel building systems. Schedules from a structural engineer are typically still needed to cover the foundation design and construction, and the erection of the steel building.
- The Standata does not explicitly mention the building envelope considerations (which fall under the architectural discipline) in the considerations for professional involvement/assurance.
- Under the CSA A660 section it lists erection responsibility. Typically erection is done by a third party
- In the section about farm buildings it should say “...the NBC(AE) does not apply to some farm buildings as noted in...”

Bruce Schultz/Terry O’Flaherty moved to support the issuance of this STANDATA with comments; CARRIED.

2.3. 19-BCI-000 Integrated Testing Coordinator

The following was discussed:

- A Standard cannot dictate qualifications for a testing coordinator
- This provides clarification on what qualifications are necessary
- The document is supported by APEGA

Bruce Schultz/Lee Philips moved to support the issuance of this STANDATA as presented; CARRIED.

2.4. 19-BCI-000 Occupancy Classification Supportive Living

The following was discussed:

- Long term care with treatment and without treatment would be handled differently
- Owner/Operator needs to supply intent for how building will be operated
- Suggestion to add a note regarding care occupancy
- Concern that some occupants may fall through the cracks, would like to see further involvement with FSC. Administrator will follow up.

Grace O’Brien/Lee Philips moved to support the STANDATA with comments; CARRIED. Russell Croome voted against the motion.

3. Review Matters Arising/Action List

	Item	Description	Action	Responsible	Date Initiated	Priority	Status/Update
1.	Stacked Townhomes	Consideration of a code change proposal re: 9.10.14 and 9.10.15, AMA does not support the existing wording for a STANDATA		Chang	Jan 25/18	High	The Administrator will continue to work on this. Bring back for matters for discussion in Sept.

2.	Off Site Review Clarification re: Pre-manufactured Structures	Development of an Information Bulletin on pre-manufactured structures.	Info Bulletin	Chang	Sep 3/15	High	With AMA Bring back for matters for discussion in Sept.
3.	Professional Schedules	Proposed revision to schedules have been prepared.	With AMA	Orr		High	There is a draft but the current status is unknown. Will bring update to next meeting.
4.	Technical Judgements for Fire Stop System	Consideration of the publication of a STANDATA based on the report provided to AMA; draft reviewed by BSC	STANDATA	Chang	Sep 3/15	Mid	With AMA Bring back for matters for discussion in Sept.
5.	Elevator Permits – FEO Upgrades	Building, Fire, Elevator and Electrical Administrators are discussing a joint STANDATA to require a Building permit or at least a flag to the Building discipline	STANDATA	Chang	Nov 16/17	Mid	May be addressed by the elevator modernization STANDATA. Waiting for final comments from Administrators before bringing back to the sub-council.
6.	14 BCI Residential Children’s Homes	Draft supported by BSC April 2018	STANDATA	Chang			Supportive living STANDATA could include this. The Administrator will continue to work on this and update at the next meeting.
7.	14-BCV-007 Interior Stairways for Roof Access	BSC requests that AMA consider revisiting this STANDATA to take into consideration AEDARSA and OHS requirements.	Revisit published STANDATA	Chang	Mar 21/19		Municipal Affairs is doing a complete review, will hopefully have something for Sept.
8.	Fire Protected Joists	The Director of Codes and Standards will ensure this item is also added to the next PTPACC meeting agenda.		Orr	Sep 27/18	Mid	On hold

		This is not anticipated to be in the 2020 Codes.					
9.	Requirements of Engineering Letter for Accepting Material or System Not in Code	Grace O'Brien will bring this issue back to AAA.		O'Brien	Sep 27/18	High	No update at this time.
		Mag Board SIP issue propagated this issue. Applicable to other proprietary products as well. APEGA has a Standard of Practice for Product Authentication. Product could be accepted as alternate solution if signed off by a professional. Recent Gas Variance about engineering authentication may be pertinent.		Chang	Jan 17/19		Review is being done by APEGA of the recent Gas Variance to see if it could be used to address the issue. Complete, remove from action item list.
10.	Permit Requirements for Refrigeration Systems	Request that AMA consider drafting a STANDATA to clarify permitting requirements for refrigeration systems.	STANDATA	Chang	Nov 8/18	Low	19-BCB-000 Draft Permits Building Discipline (V3) Coming back in September.
11.	Structural Design of Residential Buildings re. STANDATA 14-BCV-016	Consider the proposed revisions to STANDATA 14-BCV-016 Manufactured Structural Components in the Construction of One- and Two-Family Dwellings.	STANDATA	Chang	Nov 8/18	High	Item 4.6 on the agenda
12.	Pre-Engineered Solutions for Thin Masonry Veneers	Administrator to work with the Alberta Masonry Council (AMC) on proposed STANDATA		Chang	Jan 16/20		There were multiple concerns with the submission. Municipal Affairs will work with the Alberta Masonry Council.

13.	Farm Buildings in NBC(AE) Code	Permitting Concerns and Harmonization with 2020 Code		Smith	Mar 19/20		With AMA. No update at this time.
14.	Exiting to a Public Thoroughfare	Request statistics/data on the scope of this issue.		FSC	Jan 16/20		Feedback has been given to the FSC. Closed from BSC side, FSC still carrying it forward. Remove from action list.
15.	BCV-010 Oil and Gas Processing Facilities	Clarification on the intent of this STANDATA and the value it provides. The Administrator to work with AACA and bring revisions back.		Chang/Ottosen	Jan 15/20		The STANDATA has been reissued but the Administrator will bring back in September for the sub-council to review.
16.	BCV-001 Steel Building Systems	Clarification needed around the term "steel building systems" and when CSA A660 would apply. The Administrator to work with AACA and bring revisions back.		Chang/Ottosen	Jan 15/20		Complete, can be removed from action list.

4. Matters for Discussion

4.1. Implications of Red Tape Reduction on Permit Approvals

The sub-council was asked for clarity on maintaining processes during Covid. The following was discussed:

- No further disruption since last meeting, seems to be going well
- Most applications are currently online, does not appear to be any delays in permit issuing
- Safety measures have been put in place and remote video inspections are being used where possible

4.2. Alternate Solutions for Vented Soffits

This item was deferred to the next meeting.

4.3. Definition for Single Family Dwelling

The GSC requested feedback on how BSC defines “Single Family Dwelling” particularly when there is a basement suite in a home that is occupied by people not related to the homeowner.

The following was discussed:

- Single family dwelling is not defined terms within the code
- A basement suite is not considered a new unit therefore a single family dwelling could include a home with a secondary suite
- Treated as two dwellings with special characteristics
- Would be called a house with a secondary suite not a single dwelling home

4.4. Quality Assurance Framework Presentation

This item was deferred to a future meeting.

4.5. Skills Matrix

The document was reviewed and suggestions were made. It will be sent around with tracked changes for revisions, final discussion to take place at next meeting.

[Council Administration]

4.6. Structural Design of Residential Buildings re. STANDATA 14-BCV-016

The Vice Chair North chaired this discussion.

The Administrator brought forward an updated document for review and the following was discussed:

- The following comments were received:
 - The comment “but may result in structural loads being transferred in magnitudes and at specific points that are not anticipated by Part 9 of the NBC(AE)” is a correct acknowledgement of a concern, but it is not actually addressed by the content of the Standata.
 - “Engineering design software” should probably read “engineered design software”. However, you need to be clear what the expectation is on the output from this software. If you expect the output to be as reliable as authenticated project specific professional work product, you should be indicating as much. If not, you should not use the term “engineering” or “engineered” at all as it gives a false level of confidence in the output. The term “approved by an engineer” is not appropriate – either it needs to be authenticated by an engineer or engineering should not be required.
 - There is information requested (beam reactions and beam calculations, for example) that the SCO may not be qualified to do anything with. This implies a higher level of oversight that is achieved.
 - It talks about the qualifications of the designer. The only qualification that would be relevant would be if they were an engineer or not, unless the software provider has a specific training program associated with the use of the software.
 - Page 4, item 1 says that the interface and connection details shall be “accounted for by the designer”. These should likely be standard details defined by the manufacturer and applied within their limits.
 - Page 5, item 4.h says that the applicant assumes responsibility for the coordination between manufactured engineered components. It is not apparent that the applicant is qualified to do that. Again, it should rely on standard solutions provided by the manufacturer.

- There are still two items relating to teleposts that should be removed (Page 2 NOTE: and Page 4, 4.f)
- APEGA will be meeting to draft a response, the Administrator will wait to hear their feedback
- Administrator will incorporate comments and bring the document back again in the fall
[Administrator]

4.7. Liaison Reports

4.7.1. Fire Sub-Council

The following was reported:

- The FSC will continue to work on exiting to a public thoroughfare, there was a presentation from the Occupant Load Working Group, and it was announced that the Safety Codes Council will assume the duties of the PTMAA.

4.2.2. Barrier Free Sub-Council

The following was reported:

- NRC code changes were discussed at the last meeting.

4.8. Working Group Reports

4.8.1. Occupant Load

Co-Chair Cameron Bardas delivered a presentation of the group's findings and recommendations. A written report was included in the portal and the following was discussed:

- It was recognized that procedures for calculating occupant loads are inconsistent and challenging to apply
- The working group was unable to reach consensus on harmonization with the National Fire Code of Canada so a revised scope was developed, resulting in the group's final recommendations

Bruce Schultz/Stephen Hill moved to recommend to Alberta Municipal Affairs that a STANDATA be issued to outline the discrepancies between how Occupant Loads are calculated under the Building and Fire Codes (the "Discrepancy STANDATA") to provide broad awareness to owners, operators, design professionals, and AHJs; CARRIED.

It was noted that the Building Sub-Council supports the recommendation that the Fire Sub-Council recommend to Alberta Municipal Affairs a STANDATA be issued on the specific process for Fire AHJs to follow in calculating and communicating occupant loads in assembly occupancies.

Bruce Schultz/Corey Klimchuk moved to accept the final report and thereby conclude the work of the Occupant Load Working Group; CARRIED.

4.8.2. Breweries and Distilleries

The following was discussed:

- Following up on the recommendations made by the working group in January
- There is currently a change request in front of the NRC to move distilleries to an F2
- AMA will issue a Notice at this time and will review if a STANDATA is still necessary based on the NRC's decision

[Administrator]

Lee Philips/Stephen Hill moved to conclude the work of the Breweries and Distilleries Working Group; CARRIED.

4.8.3. Using Stopped Escalators as Stairs

A written report was included in the portal and the following was discussed:

- The group was not able to find any evidence to support a recommendation to use them in this way
- Members are asked to review the report and be prepared discuss further at the next meeting [All]
- The FSC Liaison will take this back to the FSC for comments [Taylor]

4.8.4 Trade Off for Sprinklers in Part 9 Buildings

No update, first meeting is tomorrow.

4.9. Administrator/AMA Report

The Administrator reported:

- Meeting with the Refrigeration Industry Promotion Committee (RIPC) who are in the process of becoming the Refrigeration, Air Conditioning and Heating Association of Alberta (RAHAA)
- A number of Standatas were issued in circulated via the subscription list server. On the Agenda. Tank Vehicles/ Fixed Fire Suppression/MCO
- Part 10 Red labels requested by an A277 manufacturer \$1500 savings, due to Standata Variance
- AMA submission comments made to NRC for the winter 2020 Public Review
- AMA Public Review comments shared to BSC.
- AMA has requested and is awaiting reports on 8 structural failures on houses all the same builder. SIPS
- It was noted that two recent submissions to the sub-council were received differently. One was considered for a variance, the other was advised to go to the NRC. The Administrator is requesting clarification on the process.
- Note that the Chair indicated the two submissions from above should be revisited

4.10. Supportive Living Accommodation Licensing Act (SLALA) and Persons with Developmental Difficulties (PDD) Update

Nothing to report at this time

4.11. Council Updates

A written report was included in the portal and updates were provided on:

- Allison is now on maternity leave, please email Kathryn or Jennifer if you have any questions
- Covid-19 impact: AGM and the conference have been postponed; Safety Codes Council office is closed to the public
- PESC would like to thank the BSC for their input after the Fernie incident, a new requirements document has been published by ABSA on their website along with an Information Bulletin

5. Meeting Finalization

5.1. Round Table

- N/A

5.2. Next Meeting

The next meeting was reconfirmed for September 17, 2020 at 8:30 a.m.

5.3. Meeting Adjournment

The meeting was adjourned at 2:30 p.m.

Grace O'Brien/Terry O'Flaherty moved to adjourn the meeting; CARRIED.

– NEW ACTION ITEMS –

4.5. Skills Matrix

The document will be sent around with tracked changes for revisions, final discussion to take place at next meeting.

[Council Administration]

4.6. Structural Design of Residential Buildings re. STANDATA 14-BCV-016

- Administrator will incorporate comments and bring the document back again in the fall
[Administrator]

4.8. Working Group Reports

4.8.2. Breweries and Distilleries

- AMA will issue a Notice at this time and will review if a STANDATA is still necessary based on the NRC's decision

[Administrator]

4.8.3. Using Stopped Escalators as Stairs

- Members are asked to review the report and be prepared discuss further at the next meeting

[All]

– MOTIONS –

1. Meeting Opening

Keith Jansen/Bruce Schultz moved that the agenda be adopted, as amended; CARRIED

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2.3. 19-BCI-000 Integrated Testing Coordinator

Bruce Schultz/Lee Philips moved to support the issuance of this STANDATA as presented; CARRIED.

2.4. 19-BCI-000 Occupancy Classification Supportive Living

Grace O’Brien/Lee Philips moved to support the STANDATA with comments; CARRIED. Russell Croome voted against the motion.

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4.8.1. Occupant Load

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Bruce Schultz/Corey Klimchuk moved to accept the final report and thereby conclude the work of the Occupant Load Working Group; CARRIED.

4.8.2. Breweries and Distilleries

Lee Philips/Stephen Hill moved to conclude the work of the Breweries and Distilleries Working Group; CARRIED.

5.3. Meeting Adjournment

Grace O’Brien/Terry O’Flaherty moved to adjourn the meeting; CARRIED.

– WORKING GROUP MEMBER LISTS –

WORKING GROUP	WORKING GROUP MEMBERS (Chair)
Occupant Load Joint Working Group (FSC)	<u>Cameron Bardas, Bruce Schultz</u> Mike Bos, Gary Mayorchak, Stephen Suen, David Flanagan, Corey Klimchuk, Darin Sceviour Industry Representative: Heath Wright AMA Support: Mike Baker, Lance Leger
Using Stopped Escalators as Stairs Joint EVSC	<u>Corey Klimchuk, Dan Theriault</u> Rick Gratton, JC Bawa, Stephen Weston, Lonny Vanderheide, Don Ireland, Salim Merchant
Breweries and Distilleries Joint Working Group (FSC)	<u>Ulrik Seward, Hunter Langpap</u> Cameron Bardas, Corey Klimchuk, Andy Smith Industry Representatives: Brad Smilie, Alberta Craft Distillers Association; Ross Alger, Alberta Craft Distillers Association; Glenn Baxter, Calgary Fire Department; Mohammadreza (Reza) Joodaki, Calgary Fire Department
Trade-Offs for Sprinklers in Part 9 Buildings	<u>Rick Gratton</u> Keith Jansen, Bruce Schultz, Terance O’Flaherty, Cammie Laird (FSC)