

Laff, Allison

From: Jack <winejack@comcast.net>
Sent: Friday, September 21, 2018 4:04 PM
To: Laff, Allison
Subject: 2018 IBC Code Update
Attachments: JGT Comment - IFC 404.2.3.docx; JGT Comment- 2017NEC 210.12.docx; JGT Comment- 2017NEC410.12(1).docx; JGT Comment IRC Section R 314.docx; JGT Comment -IRC Section R310.6 .docx

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Per your request, I have attached my comments. I lack the knowledge to offer an opinion on the rest.

Regards,

Jack Thew, Associate Director
Naperville Area Homeowners Confederation

Sent from [Mail](#) for Windows 10

2018 BUILDING CODE UPDATE COMMENT FORM

City of Naperville Municipal Building Code Change Proposal to the 2018 edition to the International Building Code (IBC), International Residential Code (IRC), International Fuel Gas Code IFGC, International Mechanical Code (IMC), International Fire Code (IFC), International Energy Conservation Code (IECC), International Existing Building Code IEBC, International Plumbing Code (IPC), International Code Council Electrical Administrative Provisions, International Property Maintenance Code, International Swimming Pool and Spa Code, and International Accessibility Code.

I would like the proposed code section, as listed below, to:

- Be Revised -
- Be Deleted - and fall back to original code
- Other –

Code Section Reference if applicable (i.e. IRC 212.1.2 or Title 5-1B-4.1.1.2):

___2017NEC 210.12

Reason:

___Important feature that prevents a lot of electrical fires each year and associated deaths. Safety considerations outweigh the costs.

Contact Information:

Name: ___John G. Thew, Jr.

Phone: ___630-730-2691_

Company or Organization:

___NAHC_____

E-Mail Address:

___Winejack@comcast.net_____

Date: ____9-21-18

Email completed comment form to Allison Laff, City of Naperville at laffa@naperville.il.us.

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I would like the proposed code section, as listed below, to:

- Be Revised – to remove “Optional”
- Be Deleted
- Other –

Code Section Reference if applicable (i.e. IRC 212.1.2 or Title 5-1B-4.1.1.2):

___2017NEC410.12(1);

Reason:

Taper-proof outlets should be made mandatory in multifamily housing. There is more interest in units being rented and owner turnover is high.. The safety offered by taper-proof outlets far out weighs the cost.

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Company or Organization:

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I would like the proposed code section, as listed below, to:

- Be Revised –
- Be Deleted
- Other – Leave as is

Code Section Reference if applicable (i.e. IRC 212.1.2 or Title 5-1B-4.1.1.2):

IRC Section R 314:

Reason:

Historically batteries in these locations are tested very infrequently for functionality. Therefore, they should be hard wired like the rest of the units. Safety far outweighs the cost.

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Phone: 630-730-2691

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I would like the proposed code section, as listed below, to:

- Be Revised
- Be Deleted
- Other – Leave as is.

Code Section Reference if applicable (i.e. IRC 212.1.2 or Title 5-1B-4.1.1.2):

IRC Section R310.6

Reason:

Regardless of activity, a basement should always have an alternative way to get out in case of an emergency blocking the primary exit.

Contact Information:

Name: John G. Thew, Jr.

Phone: 630-730-2691

Company or Organization:

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Winejack@Comcast.net

Date: _____9-21-18

Email completed comment form to Allison Laff, City of Naperville at laffa@naperville.il.us.

Laff, Allison

To: Laff, Allison
Subject: RE: October 17, 2018 BRB Meeting - IBC Code Update

From: Laff, Allison
Sent: Wednesday, October 10, 2018 2:04 PM
To: 'Don Russell' <flyfish47@yahoo.com>
Cc: Brooks, Marvin <BrooksM@naperville.il.us>; Sperl, Katie <SperlK@naperville.il.us>; Scheller, Scott <SchellerS@naperville.il.us>; Zibble, Peter <ZibbleP@naperville.il.us>; Laff, Allison <LaffA@naperville.il.us>
Subject: FW: October 17, 2018 BRB Meeting - IBC Code Update

Hi Don –

Thanks again for submitting your comment regarding Item #90. Please find below input from Katie Sperl, Plans Examiner and Scott Scheller, Fire Marshal regarding this code section. Based on the information included below, they are comfortable maintaining #90 as is proposed through the 2018 ICC set of codes. I will forward your comment, along with Katie and Scott's responses, to the BRB so that they may discuss this item further if they have concerns.

If you need anything further from us, please let me know.

Thanks!

ALLISON LAFF, AICP
DEPUTY DIRECTOR – PLANNING & DEVELOPMENT • TED BUSINESS GROUP
CITY OF NAPERVILLE • 400 S. EAGLE STREET
P. 630.420.6107 • E. laffa@naperville.il.us

From: Scheller, Scott
Sent: Wednesday, September 5, 2018 9:38 AM
To: Sperl, Katie <SperlK@naperville.il.us>; Laff, Allison <LaffA@naperville.il.us>; Felstrup, Paul <FelstrupP@naperville.il.us>; Brooks, Marvin <BrooksM@naperville.il.us>; Novack, William <NovackW@naperville.il.us>
Subject: RE: October 17, 2018 BRB Meeting - IBC Code Update

I concur with Katie's response. Additionally, from the IFC side, this is a new chapter addressing the unique needs of laboratories in higher education institutions. Applying general hazardous material provisions has been difficult because of the way these laboratories operate. Often there are many small laboratories with very small quantities of hazardous materials that individually do not exceed the maximum allowable quantities. In aggregate, the quantities will exceed the maximum allowable quantities and could result in the need for a group H occupancy classification instead of the B classification as it is currently assigned. However, it is believed that the lower density of hazardous materials often mitigates the overall risk. Therefore, this lower density along with a package of additional requirements, including the concept of laboratory suites, are typically appropriate to allow the laboratories to not be classified as group H. Some of these additional requirements are what is outlined in the IBC as Katie has already addressed.

Scott Scheller

Fire Marshal
Naperville Fire Department

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 Naperville, Illinois 60540
 Office: 630-420-4095
 Cell: 630-327-1644
 Fax: 630-420-4094
 Email: schellers@naperville.il.us

From: Sperl, Katie
Sent: Wednesday, September 5, 2018 9:03 AM
To: Laff, Allison ; Felstrup, Paul ; Brooks, Marvin ; Novack, William ; Scheller, Scott
Subject: RE: October 17, 2018 BRB Meeting - IBC Code Update

This section is looking at laboratories in college and university buildings.

Under the 2018 code, the laboratories will still be required to be full enclosed by fire-resistance-rated construction providing a containment area.

Table 428.3 establishes as you have as you move away from grade plane (exiting), the increases allowable per lab will be more restrictive and the number of laboratories allowed will be more restrictive than at grade plan (for example: at grade plane, the percentage increase of chemicals would be 100% with an allowable six laboratories; at 7 stories above grade, the % increase of chemicals allowed would be 50% with a maximum of 2 laboratories)

[F] TABLE 428.3
 DESIGN AND NUMBER OF LABORATORY SUITES PER FLOOR

FLOOR LEVEL		PERCENTAGE OF THE MAXIMUM ALLOWABLE QUANTITY PER LAB SUITE ^a	NUMBER OF LAB SUITES PER FLOOR	FIRE-RESISTANCE RATING FOR FIRE BARRIERS IN HOURS ^b
Above Grade Plane	21+	Not allowed	Not Permitted	Not Permitted
	16-20	25	1	2 ^c
	11-15	50	1	2 ^c
	7-10	50	2	2 ^c
	4-6	75	4	1
	3	100	4	1
	1-2	100	6	1
Below Grade Plane	1	75	4	1
	2	50	2	1
	Lower than 2	Not Allowed	Not Allowed	Not Allowed

- a. Percentages shall be of the maximum allowable quantity per control area shown in Tables 307.1(1) and 307.1(2), with all increases allowed in the footnotes to those tables.
- b. Fire barriers shall include walls, floors and ceilings necessary to provide separation from other portions of the building.
- c. Vertical fire barriers separating laboratory suites from other spaces on the same floor shall be permitted to be 1-hour fire-resistance rated.

The commentary states that laboratories in higher education are unique in that:

- “there are typically a large number of laboratories, but each laboratory only contains a small amount of hazardous material. Individually the quantities in use and storage are relatively low, but the total quantity of hazardous materials on the story can be significant...”
- “most academic laboratories are well staffed with faculty members and support personnel who are well acquainted with hazardous materials safety.”
- When in a mixed use building, “the traditional limits on the permissible amount of hazardous materials on upper floor levels are extremely restrictive, often requiring that lecture halls and classrooms be placed on upper floor

so that lower stories can be utilized for laboratories.” Table 428.3 provides a scenario where laboratories can be placed on higher floors, but that the allowance over the standard increase is more limited.

Katie Sperl
Code Official
City of Naperville, 400 S. Eagle Street, Naperville, IL 60540
630-305-5983, sperl@naperville.il.us

From: Laff, Allison
Sent: Tuesday, September 04, 2018 6:50 PM
To: Sperl, Katie <Sperk@naperville.il.us>; Felstrup, Paul <FelstrupP@naperville.il.us>; Brooks, Marvin <BrooksM@naperville.il.us>; Novack, William <NovackW@naperville.il.us>; Scheller, Scott <SchellerS@naperville.il.us>
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See below comment from a BRB member. Let me know your thoughts. Thanks!

ALLISON LAFF, AICP
DEPUTY DIRECTOR – PLANNING & DEVELOPMENT • TED BUSINESS GROUP
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From: Don Russell [<mailto:flyfish47@yahoo.com>]
Sent: Friday, August 31, 2018 7:50 PM
To: Laff, Allison <LaffA@naperville.il.us>
Cc: Brooks, Marvin <BrooksM@naperville.il.us>; Filippo, Fred <FilippoF@naperville.il.us>
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please check #90 about not requiring High Education follow the limits on hazardous chemicals. I worked for many years with PhDs in the business/research sector. Without limits, the safety of those occupants would have been endangered.