

2018 ICC CODE DEVELOPMENT CYCLE UPDATES TO THE 2018 PROPOSED CHANGES TO THE INTERNATIONAL CODES

The following is a compilation of errata discovered to the Code Change Monograph after the posting of Monograph on February 28, 2018.

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Mark Riley

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Jason Stanek, PE

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Chief Building Official City of Greeley Greeley, CO

Staff Secretariat:

Gregg Gress

Senior Technical Staff International Code Council Central Regional Office Country Club Hills, IL

AGA Liaison

Jim Ranfone, Managing Director American Gas Association Washington, DC

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Director of Sales Rath Communications Sussex, WI

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3rd Party Commissioning Silverthorne, CO

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Eli Howard, III

Executive Director, Technical Services Sheet Metal & Air Conditioning National Contractors Association Chantilly, VA

Amanda Hickman

President/Consultant The Hickman Group Plantation, FL

Marshall Kaminer, PE

Executive Engineer of Technical Affairs & Code Development
New York City Department of Buildings
New York, NY

Jason Phelps

Plans Examiner II City of Hillsboro Hillsboro, OR

Janine Snyder

Building Inspector IV City of Thornton Thornton, CO

Paolo Toschi

Senior Permitting Service Specialist

Montgomery County Government Department of
Permitting Services

Division of Building Construction

Rockville, MD

Staff Liaison:

Gregg Gress

Senior Technical Staff International Code Council Central Regional Office Country Club Hill, IL

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Rep: Copper Development Association Owner Pennie L. Feehan Consulting Palm Springs, CA

R. L. Ric Johnson, CAPS, DHTI+

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Nick McAndrew, PE

Professional Engineer I (Civil/Construction) NY Department of State Division of Buildings Standards and Codes Albany, NY

David W. Perry

Sr. Combination Inspector City of Richardson Richardson, TX

Thomas Polino

Plumbing Subcode Official West Windsor Township West Windsor, NJ

Loren K. Swanson, BSIE

Rep: National Association of Home Builders Retired from Southern Michigan Co. Jackson, MI

Jeremy Wright

Rep: National Association of Home Builders President J. Wright Building Company J. Wright Home Design Birmingham, AL

Staff Secretariat:

Fred Grable, PE

Senior Staff Engineer - Plumbing International Code Council Central Regional Office Country Club Hills, IL

Gregg Gress

Senior Technical Staff International Code Council Central Regional Office 4051 W. Flossmoor Rd Country Club Hills, IL

TENTATIVE ORDER OF DISCUSSION 2018 PROPOSED CHANGES TO THE INTERNATIONAL BUILDING CODE – FIRE SAFETY

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some FS code change proposals may not be included on this list, as they are being heard by another committee.

F4-18, Part II	FS35-18	FS69-18	FS103-18
G7-18	FS36-18	FS70-18	FS104-18
G12-18	FS37-18	FS71-18	FS105-18
FS1-18	FS38-18	M72-18	FS106-18
FS2-18	FS39-18	FS72-18	FS107-18
FS3-18	FS40-18	FS74-18	FS108-18
FS4-18	FS41-18	FS75-18	FS109-18
FS7-18	FS42-18	FS76-18	FS110-18
FS8-18	FS43-18	FS77-18	FS111-18
FS9-18	FS44-18	FS78-18	FS112-18
FS10-18	FS45-18	FS79-18	FS113-18
FS11-18	FS46-18	FS80-18	FS114-18
FS12-18	FS47-18	F92-18 Part II	FS115-18
FS13-18	FS48-18	FS82-18	FS116-18
FS14-18	FS49-18	FS83-18	G6-18
FS15-18	FS50-18	FS84-18	FS117-18
FS16-18	FS51-18	FS85-18	FS118-18
FS17-18	FS52-18	FS86-18	FS119-18
FS18-18	FS53-18	FS87-18	FS120-18
FS19-18	FS54-18	FS88-18	FS121-18
FS20-18	FS55-18	FS89-18	FS122-18
FS21-18	FS56-18	FS90-18	FS123-18
FS22-18	FS57-18	E97-18	FS124-18
FS23-18	FS58-18	FS91-18	FS125-18
FS24-18	FS59-18	FS92-18	FS126-18
FS25-18	FS60-18	FS93-18	FS127-18
FS26-18	FS61-18	FS94-18	FS128-18
FS27-18	G34-18	FS95-18	FS129-18
FS28-18	FS62-18	FS96-18	FS130-18
FS29-18	FS63-18	FS97-18	FS131-18
FS30-18	FS64-18	FS98-18	FS132-18
FS31-18	FS65-18	FS99-18	FS133-18
FS32-18	FS66-18	FS100-18	FS134-18
FS33-18	FS67-18	FS101-18	FS135-18
FS34-18	FS68-18	FS102-18	FS136-18
FS137-18			

FS138-18

FS139-18

FS140-18

FS141-18

FS142-18

FS143-18

FS144-18

FS145-18

FS146-18

FS147-18

FS148-18

FS149-18

FS150-18

FS151-181

S2-18

S3-18

S4-18

FS152-18

S5-18

S6-18

S7-18

S8-18

S9-18

FS153-18

G3-18

S6-18

FS154-18

S14-18

S15-18

S16-18

S17-18

S18-18

S19-18

S20-18

S21-18

G10-18

G11-18

FS155-18

FS156-18

FS157-18

FS158-18

FS159-18

FS160-18 FS161-18

TENTATIVE ORDER OF DISCUSSION 2018 PROPOSED CHANGES TO THE INTERNATIONAL BUILDING CODE – GENERAL

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some G code change proposals may not be included on this list, as they are being heard by another committee.

G9-18	G64-18	G80-18	S12-18
G13-18	G65-18	G84-18	S13-18
G14-18	G66-18	G89-18	G137-18
G15-18 Part I	G68-18	FS5-18	G138-18
G8-18	G71-18 Part I	FS6-18	G139-18
G16-18	G72-18	FS73-18	G140-18
G17-18	G73-18	FS81-18	G141-18
G18-18	G74-18	G146-18	G143-18
G21-18	G76-18	G152-18	G142-18
G22-18	G77-18	G109-18	G144-18
G23-18 Part I	G78-18	G110-18	G145-18
G24-18	G79-18	G111-18	G147-18
G25-18	G81-18	G112-18	G148-18
G1-18	G82-18	G113-18	G149-18
G2-18	G83-18	G114-18	G150-18
G30-18	G85-18	G115-18	G151-18
G32-18	G86-18	G116-18 Part I	F262-18 Part II
G33-18	G87-18	G117-18	F267-18 Part II
G36-18	G88-18	G118-18	G153-18
G37-18	G90-18	G119-18	G154-18
G39-18	G93-18	G120-18	
G40-18	G94-18	M15-18 Part II	
G41-18	G95-18	G121-18	
G42-18	G96-18	G122-18	
G46-18	G97-18	G123-18	
G47-18	G98-18	G124-18	
G48-18	G99-18	G125-18	
G53-18	G100-18	G126-18	
G54-18	G101-18	G127-18	
G55-18	G102-18	G128-18	
G56-18	G103-18	G129-18	
G57-18	G104-18	G130-18 Part I	
G58-18	G105-18	G131-18	
G59-18	G106-18	G133-18	
G60-18	G107-18	G135-18	
G61-18	G108-18	G136-18	
G62-18	G27-18	S10-18	
G63-18	G75-18	S11-18	

TENTATIVE ORDER OF DISCUSSION 2018 PROPOSED CHANGES TO THE INTERNATIONAL FIRE CODE

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some F code change proposals may not be included on this list, as they are being heard by another committee.

Numbers Not Used

F255-18 F257-18

WUIC	F22-18	F54-18	F86-18
WUIC1-18	F23-18	F55-18	F87-18
WUIC2-18	PM8-18 Part II	F56-18	F88-18
WUIC3-18	F24-18	G91-18	F89-18
WUIC4-18	F25-18	F57-18	F90-18
WUIC5-18	F26-18	F58-18	F91-18
WUIC6-18	F27-18	F59-18	G71-18 Part II
WUIC7-18	F28-18	F60-18	F21-18
WUIC8-18	F29-18	F61-18	F92-18 Part I
WUIC9-18	F30-18	F62-18	F93-18
WUIC10-18	F31-18	F63-18	F94-18
WUIC11-18	F32-18	F64-18	F95-18
WUIC12-18	F33-18	F65-18	F96-18
WUIC13-18	F34-18	F66-18	G67-18
WUIC14-18	F35-18	F67-18	F97-18
WUIC15-18	F36-18	S22-18	F4-18 Part I
WUIC16-18	F37-18	F68-18	F98-18
	F38-18	F69-18	F99-18
IFC	F39-18	F70-18	F100-18
F1-18	F40-18	F71-18	F101-18
F8-18	F41-18	F72-18	F102-18
F9-18	F42-18	F73-18	F103-18
F10-18	F43-18	F74-18	F104-18
F6-18	F44-18	F75-18	F105-18
F11-18	F2-18	F76-18	F106-18
F12-18	F45-18	F77-18	F107-18
F13-18	F46-18	F78-18	F108-18
F14-18 Part I	F47-18	F79-18 Part I	F109-18
F15-18	F48-18	F80-18	F110-18
F16-18	F49-18	F81-18	F111-18
F17-18	F50-18	F82-18	F112-18
F18-18	F51-18	F83-18 Part I	F113-18
F19-18	F52-18	F84-18	F114-18
F20-18	F53-18	F85-18	F115-18

F116-18 F117-18 F118-18 F119-18 F120-18 F121-18 F122-18 Part I F123-18 F124-18 F125-18	F171-18 F172-18 F173-18 F174-18 G28-18 F175-18 F176-18 G23-18 Part II F177-18 F178-18 F179-18	F218-18 F219-18 F220-18 F221-18 F222-18 F223-18 F224-18 F225-18 F226-18 F227-18 F228-18	F273-18 F274-18 F275-18 F276-18 F277-18 G50-18 F278-18 F279-18 F280-18 F281-18 F282-18
F127-18	F180-18	F229-18	F283-18
F128-18	F181-18	F230-18	F284-18
F129-18	F182-18	F231-18	F285-18
F130-18	F183-18	G52-18	F286-18
F131-18	F184-18	F232-18	F287-18
F132-18	F186-18	F233-18	F288-18
F133-18	F187-18	F234-18	F289-18
F134-18	F188-18	F235-18	F290-18
F135-18	F189-18	F236-18	F291-18
F136-18	F190-18	F237-18	F292-18
F138-18	F191-18	F238-18	F293-18
F139-18	F192-18	F239-18	F294-18
F140-18	F193-18	F240-18	F295-18
F185-18	F194-18	F241-18	F296-18
F141-18	F195-18	F242-18	F297-18 Part I
F142-18	F196-18	F243-18	F297-18 Part II
F143-18	F197-18	F244-18	F298-18
F144-18	F198-18	F7-18	F299-18
F145-18	F199-18	F245-18	F300-18
F146-18	F200-18	F246-18	F301-18
F147-18	F201-18	F247-18	F302-18
F148-18	F202-18	F248-18	F303-18
F149-18	F203-18	F249-18	F304-18
F150-18	G92-18	F5-18	G49-18
F151-18	F204-18	F250-18	G51-18
F152-18	F205-18	F251-18	F305-18
F153-18	F206-18	F252-18	F306-18
F154-18	F207-18	F253-18	F307-18
F155-18	F137-18	F254-18	F308-18
F156-18	F208-18	F256-18	F309-18
F157-18	F209-18	F258-18	F310-18
F158-18	F210-18	F259-18	F311-18
F159-18	F3-18	F260-18	F312-18
G26-18	F211-18	F261-18	F313-18
F160-18 F161-18 F162-18 F163-18 F164-18 F165-18	G69-18 G70-18 F212-18 F213-18 G19-18 G20-18 F214-18	F262-18 Part I F263-18 F264-18 F265-18 F266-18 F268-18 F269-18	F314-18 F315-18 F316-18 F317-18 F318-18 F319-18 F320-18
F167-18	FG22-18	F270-18	F321-18
F168-18	F215-18	F267-18 Part I	F322-18
F169-18	F216-18	F271-18	F323-18
F170-18	F217-18	F272-18	F324-18

F325-18

F326-18

F327-18

F328-18

See highlighted changes to the hearing order:

TENTATIVE ORDER OF DISCUSSION 2018 PROPOSED CHANGES TO THE INTERNATIONAL FUEL GAS CODE

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some FG code change proposals may not be included on this list, as they are being heard by another committee.

FG1-18 FG2-18 FG3-18 FG4-18 FG5-18 FG6-18 FG7-18 FG8-18 P1-18 Part IV FG9-18 F122-18 Part II FG10-18 FG11-18 FG12-18 FG13-18 FG14-18 FG15-18 FG16-18 FG17-18 FG18-18 FG19-18 FG20-18 FG21-18 FG22-18 FG23-18 FG24-18 FG25-18 FG26-18 FG27-18 FG28-18

FG29-18

TENTATIVE ORDER OF DISCUSSION 2018 PROPOSED CHANGES TO THE INTERNATIONAL MECHANICAL CODE

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some M code change proposals may not be included on this list, as they are being heard by another committee.

NUMBER NOT USED:

M102

M1-18	M30-18	M63-18	M95-18
FG1-18	M31-18	M64-18	M96-18
M2-18	M32-18	M65-18	M97-18
P1-18 Part III	M33-18	M66-18	M98-18
M3-18	M34-18	M67-18	F79-18 Part II
M4-18	M35-18	M68-18	M99-18
M5-18	M36-18	M69-18	M100-18
M6-18	M37-18	M70-18	M101-18
M7-18	FG26-18	M71-18	E15-18 Part II
M8-18	M38-18	M72-18	M102-18
M9-18	M39-18	M73-18	M103-18
M10-18	M40-18	M74-18	M104-18
M11-18	M41-18	M75-18	M105-18
M12-18	M42-18	M76-18	M106-18
M13-18	M43-18	M77-18	M107-18
M14-18	M44-18	M78-18 Part I	M108-18
M15-18 Part I	M45-18	M78-18 Part II	M109-18
<u>G116-18 Part I</u>	M46-18	M79-18	M110-18
G116-18 Part II	M47-18	M80-18	M111-18
<u>G117-18</u>	M48-18	M81-18	M112-18
M15-18 Part II	M49-18	M82-18	M113-18
M16-18	M50-18	M83-18	M114-18
M17-18	M51-18	M84-18	M115-18
M18-18	M52-18	M85-18	M116-18
M19-18	M53-18 Part I	M86-18 Part I	M117-18
M20-18	M53-18 Part II	<mark>M86-18 Part II</mark>	M118-18
M21-18	M54-18	M87-18	M119-18 Part I
M22-18	M55-18	M88-18	M119-18 Part II
M23-18	M56-18	M89-18	M120-18
M24-18	M57-18	M90-18	M121-18
M25-18	M58-18	M91-18	M122-18
M26-18	M59-18	F83-18 Part II	M123-18
M27-18	M60-18	M92-18	M124-18
M28-18	M61-18	M93-18	M125-18
M29-18	M62-18	M94-18	M126-18

M127-18 M128-18

2018 PROPOSED CHANGES TO THE INTERNATIONAL BUILDING CODE (FIRE SAFETY)

FS11-18: 3rd row text was missing from Table 705.2 in the CAH.

FS11-18

Proponent: Lee Kranz, City of Bellevue, representing City of Bellevue, WA (lkranz@bellevuewa.gov)

TABLE 705.2 MINIMUM DISTANCE OF PROJECTION

FIRE SEPARATION DISTANCE- FSD (feet)	MINIMUM DISTANCE FROM LINE USED TO DETERMINE FSD
0 to less than 2	Projections not permitted
2 to less than 3	24 inches
3 to less than 5	24 inches plus 8 inches for every foot of FSD beyond 3 feet or fraction there of
5 or greater	40 inches

FS26-18: Under the 'Fire protection' rows, the f superscripts have been changed from struck-out to underlined.

FS26-18

Proponent: Robert Davidson, Davidson Code Concepts, LLC, representing Tesla USA/Safti First (rjd@davidsoncodeconcepts.com)

TABLE 716.1(2)
OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING	FIRE DOOR AND FIRE	DOOR VISION PANEL SIZE ^b	MARKING	ASSEMBLY	T/TRANSOM Y RATING	MARKING	D GLAZING
	(hours)	SHUTTER ASSEMBLY RATING (hours)	2	DOOR VISION PANEL ^{c,} e	Fire protection	Fire resistance	Fire protection	Fire resistance
Fire walls and fire barriers having a	4	3	See Note b	D-H-W- 240	Not Permitted	4	Not Permitted	W-240
required fire- resistance rating greater than 1	3	3а	See Note b	D-H-W- 180	Not Permitted	3	Not Permitted	W-180
hour	2	11/2	100 sq. in.	≤100 sq. in. = D-H- 90 >100 sq. in.=D- H-W-90	Not Permitted	2	Not Permitted	W-120
	11/2	11/2	100 sq. in.	≤100 sq. in. = D-H- 90 >100 sq. in.= D- H-W-90	Not Permitted	11/2	Not Permitted	W-90
Enclosures for shafts, interior exit stairways and interior exit ramps.	2	11/2	100 sq. in. ^c	≤100 sq.	Not Permitted	2	Not Permitted	W-120
Horizontal exits in fire walls ^d	4	3	100 sq. in.		Not Permitted	4	Not Permitted	W-240
	3	3ª	100 sq. in.	≤100 sq. in. = D-H- 180> 100 sq. in.=D- H-W-180	Not Permitted	3	Not Permitted	W-180
Fire barriers having a required fire- resistancerating of 1 hour:Enclosures forshafts, exit access stairways, exit access ramps, interior exit stairways and interior exit ramps; and exit passageway walls	aving a required re- sesistancerating f 1 our:Enclosures orshafts, exit ccess stairways, xit access amps, interior xit stairways nd interior exit amps; and exit assageway		100 sq. in.	≤100 sq. in. = D-H- 60>100 sq. in.=D- H-T-W-60	Not Permitted	1	Not Permitted	W-60
		212		D00000010	Fire prote	ection		
Other fire barriers	1	3/4	Maximum size tested	D-H	³ / ₄ ^f		D-H [£]	
Fire partitions:Corridor walls	1 0.5	¹ / ₃ b ¹ / ₃ b	Maximum size testedMaximum size tested	D-20 D- 20	³ / ₄ b ¹ / ₃		D-H-OH-45	D-H-OH-20
Other fire partitions	1 0.5	3/41/3	Maximum size tested Maximum size tested	D-H-45D- H-20	3/41/3		D-H-45 D-H	-20
Exterior walls	3	11/2	100 sq. in. ^b	≤100 sq. in. = D-H- 90 > 100 sq. in = D-H-W-90	Permitted	3	Not Permitted	W-180
	2	11/2	Maximum size tested	D-H 90 or D-H-W-90		2	D-H-OH-90 <u>f</u>	W-120
	1	3/4	Maximum size tested	D-H-45	Fire prote	ection	D-H-45 ^f	
Smoke barriers			Income Sect-TMS		Fire prote	ection		
	1	1/3	Maximum size tested	D-20	3/4		D-H-OH-45	

FS58-18: Under the column 'FIRE- RATING GLAZING MARKING DOOR VISION PANEL ^{c,e}, only "or" should have been added to the 2 cells.

FS58-18

Proponent: Tom Zaremba, Roetzel & Andress, representing Glazing Industry Code Committee and Alliance of Primary Fire Rated Glazing Manufacturers (tzaremba@ralaw.com)

TABLE 716.1(2)
OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING	MINIMUM FIRE DOOR AND FIRE	DOOR VISION PANEL SIZE ^b	MARKING	ASSEMBLY	T/TRANSOM Y RATING	FIRE-RATE GLAZING SIDELIGHT PANEL	
	(hours)	SHUTTER ASSEMBLY RATING (hours)		DOOR VISION PANEL ^{c,} e	Fire protection	Fire resistance	Fire protection	Fire resistance
barriers having a	4	3	See Note b	D-H-W- 240	Not Permitted	4	Not Permitted	W-240
required fire- resistance rating	3	3a	See Note b	D-H-W- 180	Not Permitted	3	Not Permitted	W-180
greater than 1 hour	2	11/2	100 sq. in.	≤100 sq. in. = D-H- 90 >100 sq. in.=D- H-W-90	Not Permitted	2	Not Permitted	W-120
	11/2	11/2	100 sq. in.	≤100 sq. in. = D-H- 90 >100 sq. in.= D- H-W-90	Not Permitted	11/2	Not Permitted	W-90
Enclosures for 2 11/2 1 shafts, interior exit stairways and interior exit ramps.		100 sq. in. ^c	<=100 sq. in. = D-H-90 > 100 sq.in. = <u>or</u> D-H- T-W-90	Not Permitted	2	Not Permitted	W-120	
Horizontal exits in fire walls ^d	4	3	100 sq. in.	≤100 sq. in. = D-H- 180 > 100 sq. in.=D-H- W-240	Not 4 Permitted		Not Permitted	W-240
	3	34	100 sq. in.	≤100 sq. in. = D-H- 180> 100 sq. in.=D- H-W-180	Not Permitted	3	Not Permitted	W-180
rire barriers naving a required fire- esistancerating of 1 nour:Enclosures forshafts, exit faccess stairways, exit access amps, interior exit stairways and exit hassageway		1	100 sq. in.	<=100 sq. in. =D- H-60 >100 sq. in. = <u>or</u> D- H-T-W-60	Not Permitted	1	Not Permitted	W-60
walls					Fire prote	ection		
Other fire barriers	1	3/4	Maximum size tested	D-H	3/4		D-H	
Fire partitions:Corridor walls	1 0.5	¹ / ₃ b ¹ / ₃ b	Maximum size testedMaximum size tested	D-20 D- 20	³ / ₄ b ¹ / ₃		D-H-OH-45	D-H-OH-20
Other fire partitions	1 0.5	³ / ₄ ¹ / ₃	Maximum size tested Maximum size tested	D-H-45D- H-20	³ / ₄ ¹ / ₃		D-H-45 D-H	I-20
Exterior walls	3	11/2	100 sq. in. ^b	≤100 sq. in. = D-H- 90 > 100 sq. in = D-H-W-90	Not Permitted	3	Not Permitted	W-180
	2	11/2	Maximum size tested	D-H 90 or D-H-W-90	20,000	2	D-H-OH-90	W-120
	1	3/4	Maximum size tested	D-H-45	Fire prote	ection	D-H-45	
Smoke barriers			- Stea	ı	Fire prote	ection		
	1	1/3	Maximum size tested	D-20	3/4		D-H-OH-45	8

FS61-18: New superscript 'f' has been added to the "100 sq. in." in row "Fire barriers having a required fire-resistancerating of 1 hour:Enclosures forshafts, exit access stairways, exit access ramps, interior exit stairways and interior exit ramps; and exit passageway wall"

FS61-18

Proponent: Kurt Roeper, ASSA ABLOY, representing ASSA ABLOY (kurt.roeper@assaabloy.com)

TABLE 716.1(2)
OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING	FIRE DOOR AND FIRE SHUTTER	DOOR VISION PANEL SIZE ^b	MARKING	ASSEMBLY	T/TRANSOM Y RATING				
	(hours)	ASSEMBLY RATING (hours)		DOOR VISION PANEL ^{c,} e	Fire protection	Fire resistance	Fire protection	Fire resistance		
barriers having a	4	3	See Note b	D-H-W- 240	Not Permitted	4	Not Permitted	W-240		
required fire- resistance rating	3	За	See Note b	D-H-W- 180	Not Permitted	3	Not Permitted	W-180		
greater than 1 hour	2	11/2	100 sq. in.	≤100 sq. in. = D-H- 90 >100 sq. in.=D- H-W-90	Not Permitted	2	Not Permitted	W-120		
	11/2	11/2	100 sq. in.	100	Not Permitted	11/2	Not Permitted	W-90		
Enclosures for shafts, interior exit stairways and interior exit ramps.		11/2	100 sq. in ^c .1	≤100 sq. in. = D-H- 90 > 100 sq. in.= D- H-T-W-90 or D-H-90	Not Permitted	2	Not Permitted	W-120		
Horizontal exits in fire walls ^d	4	3	100 sq. in.	≤100 sq. in. = D-H- 180 > 100 sq. in.=D-H- W-240	Not Permitted	4	Not Permitted	W-240		
	3	3ª	100 sq. in.	≤100 sq. in. = D-H- 180> 100 sq. in.=D- H-W-180	Not Permitted	3	Not Permitted	W-180		
Fire barriers having a required fire- resistancerating of 1 hour:Enclosures forshafts, exit access stairways, exit access ramps, interior exit stairways and interior exit ramps; and exit passageway walls	g a required ancerating enclosures ifts, exit s stairways, ccess i, interior cairways terior exit s; and exit		100 sq. in <u>f</u>	≤100 sq. in. = D-H- 60>100 sq. in.=D- H-T-W-60 or D-H-60	Not Permitted	1	Not Permitted	W-60		
Other fire barriers		3,	Maximum size	D.U.	Fire protection					
		3/4	tested	D-H	3/4		D-H			
Fire partitions:Corridor walls	1 0.5	¹ / ₃ b ¹ / ₃ b	Maximum size testedMaximum size tested	D-20 D- 20	³ / ₄ b ¹ / ₃		D-H-OH-45	D-H-OH-20		
Other fire partitions	1 0.5	3/41/3	Maximum size tested Maximum size tested	D-H-45D- H-20	3/41/3	į	D-H-45 D-H	-20		
Exterior walls	3	11/2	100 sq. in. ^b	12	Not Permitted	3	Not Permitted	W-180		
	2	11/2	Maximum size tested	D-H 90 or D-H-W-90	4159	2	D-H-OH-90	W-120		
1	1	3/4	Maximum size	D-H-45	Fire prote	ection	D-H-45			
Smoke barriers	6		tested	L	Fire protection					
	1	1/3	Maximum size tested	D-20	³ / ₄		D-H-OH-45			

FS83-18: Section numbers shown to indicate the coordinating section in the IFC that will change.

FS83-18

IBC: 803.9 (IFC [BF] 803.9)

Proponent: Julius Ballanco, JB Engineering and Code Consulting, P.C., representing Bradley

Corporation (JBENGINEER@aol.com)

FS84-18: Section numbers shown to indicate the coordinating section in the IFC that will change.

FS84-18

IBC: 803.10 (IFC [BF] 803.10)

Proponent: Michael O'Brian, Chair, representing FCAC (fcac@iccsafe.org)

FS153-18: Table did not appear in the CAH

FS153-18

Proponent: Jonathan Siu, City of Seattle Department of Construction and Inspections, representing Washington Association of Building Officials Technical Code Development Committee (Jon.Siu@seattle.gov)

TABLE 1607.1 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS, L_0 , AND MINIMUM CONCENTRATED LIVE LOADS⁹

OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATED (pounds)
26. Roofs		
All roof surfaces subject to maintenance workers		300
Awnings and canopies:		
Fabric construction supported by a skeleton structure	5 ^m	
All other construction, except one-and two-family dwellings	20	
Ordinary flat, pitched, and curved roofs (that are not occupiable)	20	
Primary roof members exposed to a work floor		
Single panel point of lower chord of roof trusses or any point along primary structural members supporting roofs over manufacturing, storage warehouses, and repair garages		
All other primary roof members		
Occupiable roofs:		
Roof gardens <u>Landscaped</u> <u>roofs</u>	100	
Assembly areas	100 ^m	
All other similar areas	Note 1	Note 1

Portions of table not shown remain unchanged.

FS157-18: Section 2603.5 is DELETE WITHOUT SUBSTITUTION.

FS157-18

Proponent: John Woestman, Kellen Co., representing Extruded Polystyrene Foam Association (XPSA) (jwoestman@kellencompany.com)

2018 International Building Code

Delete without substitution:

2603.5 Exterior walls of buildings of any height. Exterior walls of buildings of Type I, II, III or IV-construction of any height shall comply with Sections 2603.5.1 through 2603.5.7. Exterior walls of cold storage buildings required to be constructed of noncombustible materials, where the building is more than one story in height, shall comply with the provisions of Sections 2603.5.1 through 2603.5.7. Exterior walls of buildings of Type V construction shall comply with Sections 2603.2, 2603.3 and 2603.4. Fireblocking shall be in accordance with Section 718.2.

2018 PROPOSED CHANGES TO THE INTERNATIONAL BUILDING CODE (GENERAL)

G23-18 Part I: Image in reason statement was missing

G23-18 Part I

Reason:

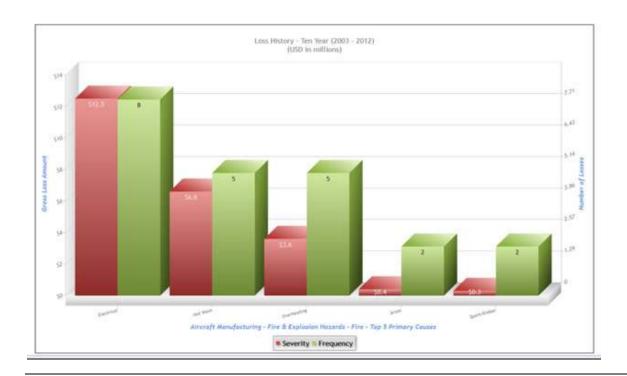
If you follow the history of how we got to where we are today from the introduction of high expansion foam in airplane hangars, you will see that the original intent was to suppress fire under aircraft with expansive wing spans that would otherwise shelter the fire from overhead sprinkler heads. In 2009 there were two changes to the International fire code that directly impacted small municipal airports and the ability to build group II hangars without foam suppression. A group II hangar as defined by NFPA 409 states the aircraft access door shall be 28 ft. or less and a single fire area between 20,000-40,000 square feet. 914.8.3 Made fixed base operators (FBO) in group II hangars require foam systems and made it exempt for hangars with transient aircraft. Prior to 2009 the language found in these sections allowed for group II hangars with fixed based operators to be exempt from foam requirements.

The occupancy classification also changed in 2009 putting all aircraft into the S-1 category. Prior to 2009 there were two separate classifications S-1 was for aircraft repair hangars and S-2 was all other aircraft hangars. It should be noted that automobile parking garages (open and closed) has remained an S-2 and did not change in 2009. The argument for changing the fixed base operator S-2 to an S-1 is due to the fuel stored in the wings of the aircraft. For comparison the auto ignition temperature of gasoline is 475 F and Jet fuel is 410 F making the fuels of concern very similar in nature, yet enclosed parking garages are protected by wet/dry fire sprinkler systems even though the fuel capacity at many parking garages far exceeds what is stored in the wings of an airplane.

Research:

Research on this subject was difficult to obtain, with that being said I could locate very little research that would have been sufficient to support change to the wording in 2009 either. Most of the research I was able to locate was over a decade old and conducted primarily by the Navy and Air Force. According to a study called Aircraft Hangar Fire Suppression Design Study by Scheffey and Wakelin (June 16, 2000) "All DoD service branches have been plagued with false activations involving foam-water deluge sprinkler systems over aircraft with open cockpits. These false activations have been caused by numerous sources including: lightning strikes which introduced transient voltage spikes into the fire alarm system; water hammers in aging underground water distribution systems; accidental releases by maintenance personnel; deliberate acts of vandalism; accidental activation of manual pull stations; failure of pressure relief valves at pumping stations; roof water leakage into overhead heat detection systems and, false activation of fire detection systems. This prompted all branches of DoD to pursue alternative fire protection designs, which would provide the desired level of protection." Furthermore the study continues to explore the cost of installing, operating, re-charging and maintaining these expensive systems.

Both the Air Force and Navy are looking for ways to remove or improve high-expansion foam in their hangars. The two services (Air Force, Navy) with highest potential for dollar loss are looking for ways to remove foam systems, yet the fire code is forcing privately owned hangars to comply with an un-necessary suppression system.



G66-18: See highlighted changes to Sections 424.2 and 424.4.

G66-18

Proponent: Ed Kullik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

424.2 Materials. Children's play Play structures shall be constructed of noncombustible materials or of combustible materials that comply with the following:

- 1. Fire-retardant-treated wood complying with Section 2303.2.
- 2. Light-transmitting plastics complying with Section 2606.
- 3. Foam plastics (including the pipe foam used in soft-contained play equipment structures) having a maximum heat-release rate not greater than 100 kilowatts when tested in accordance with UL 1975 or when tested in accordance with NFPA 289, using the 20 kW ignition source.
- 4. Aluminum composite material (ACM) meeting the requirements of Class A *interior finish* in accordance with Chapter 8 when tested as an assembly in the maximum thickness intended for use.
- 5. Textiles and films complying with the fire propagation performance criteria contained in Test Method 1 or Test Method 2, as appropriate, of NFPA 701.
- 6. Plastic materials used to construct rigid components of soft-contained play equipment structures (such as tubes, windows, panels, junction boxes, pipes, slides and decks) exhibiting a peak rate of heat release not exceeding 400 kW/ m² when tested in accordance with ASTM E1354 at an incident heat flux of 50 kW/m² in the horizontal orientation at a thickness of 6 mm.
- 7. Ball pool balls, used in soft-contained play equipment structures, having a maximum heat-release rate not greater than 100 kilowatts when tested in accordance with UL 1975 or when tested in accordance with NFPA 289, using the 20 kW ignition source. The minimum specimen test size shall be 36 inches by 36 inches (914 mm by 914 mm) by an average of 21 inches (533 mm) deep, and the balls shall be held in a box constructed of galvanized steel poultry netting wire mesh.
- 8. Foam plastics shall be covered by a fabric, coating or film meeting the fire propagation performance criteria contained in Test Method 1 or Test Method 2, as appropriate, of NFPA 701.

- 9. The floor covering placed under the children's play structure shall exhibit a Class I interior floor finish classification, as described in Section 804, when tested in accordance with ASTM E648 or NFPA 253.
- 10. Interior finishes for structures exceeding 300 square feet (28 m2) in area or 10 feet (3048 mm) in height shall have a flame spread index not greater than that specified in Table 803.13 for the occupancy group and location designated. Interior wall and ceiling finish materials tested in accordance with NFPA 286 and meeting the acceptance criteria of Section 803.1.1.1, shall be permitted to be used where a Class A classification in accordance with ASTM E84 or UL 723 is required.
- **424.4 Separation.** Children's play-Play structures shall have a horizontal separation from building walls, partitions and from elements of the *means of egress* of not less than 5 feet (1524 mm). Children's Playground structures shall have a horizontal separation from other children's play structures of not less than 20 feet (6090 mm).

G74-18: Highlighted portion is existing code text and should not have appeared underlined.

G74-18

Proponent: Jay Hyde, representing Sacramento Valley Association of Building Officials (jhyde@mogaveroarchitects.com)

503.1.4.1 Enclosures surrounding occupied roof areas. Elements or structures enclosing occupied roof areas shall not extend more than 48 inches (1220 mm) above the surface of the occupied roof.

Exception Exceptions:

- 1. Penthouses constructed in accordance with Section 1510.2 and towers, domes, spires and cupolas constructed in accordance with Section 1510.5.
- 2. Exterior walls or fire walls of adjacent buildings in conformance with the following:
 - 2.1. The exterior sides of the occupied roof not surrounded by adjacent buildings, penthouses, towers, domes spires and cupolas shall have uniformly distributed parapets with a sill height not greater than 48 inches (1220 mm).
 - 2.2. The aggregate length of the parapets shall not be less than 40 percent of the total exterior wall.
 2.2.1. Parapets are not required to be distributed over 40 percent of the occupied roof perimeter where they are uniformly distributed over two opposing sides of the occupied roof.

G80-18: Last column header cut off in the CAH. (See highlighted text)

G80-18

Proponent: Stephen DiGiovanni, representing ICC Ad Hoc Committee on Tall Wood Buildings (TWB) (TWB@iccsafe.org)

	(TTE Clocodio.	0.9/												
										TYPE OF CONSTRUCTION	TYPE OF CONSTRUCTION	TYPE OF CONSTRUCTION		
OCCUPANCY		SEE	TYI I	PE	TY II	PE	TY III	PE	TYPE IV	TYPE IV	TYPE IV		TYPE V	
	CLASSIFICATION	~	Α	В	Α	В	Α	В	<u>A</u>	<u>B</u>	<u>C</u>	нт	Α	В

(Portions of table not shown remain unchanged)

G81-18: Table 506.2 had text missing from rows R-1^h thru R-4^h. Table and additional text added to the reason statement.

G81-18

Proponent: Ed Kullik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

TABLE 506.2 ALLOWABLE AREA FACTOR (At = NS, S1, S13R, S13D or SM, as applicable) IN SQUARE FEET ^{a,b}

NSd	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
S13R									
51	UL	UL	96,000	64,000	96,000	64,000	82,000	48,000	28,000
SM	UL	UL	72,000	48,000	72,000	48,000	61,500	36,000	21,000
NSd	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
S 13R									
S1	UL	UL	96,000	64,000	96,000	64,000	82,000	48,000	28,000
SM	UL	UL	72,000	48,000	72,000	48,000	61,500	36,000	21,000
NSd	UL	UL	UL	UL	UL	UL	UL	UL	UL
S 13D									
S13R									
S1									
SM									
NSd	UL	UL	24,000	16,000	24,000	16,000	20,500	12,000	7,000
S 13D						January Committee Committe			
S 13R									
S1	UL	UL	96,000	64,000	96,000	64,000	82,000	48,000	28,000
SM	UL	UL	72,000	48,000	72,000	48,000	61,500	36,000	21,000
	\$13R \$1 \$M NSd \$13R \$1 \$M NSd \$13D \$13R \$1 \$M NSd \$13D \$13R \$1 \$M	S 13R S 1 UL SM UL NSd UL S13R S 1 UL SM UL S13R S 1 UL SM UL S13D S13R S 1 SM NSd UL S13D S13R S 1 UL SM UL S13D S13R S 1 UL SM UL S13D S13R	\$13R \$1 UL UL \$M UL UL \$SM UL UL \$13R \$1 UL UL \$13R \$1 UL UL \$13R \$1 UL UL \$13D \$13R \$1 \$M UL UL \$13D \$13R \$1 \$M \$NSd UL \$13D \$13R \$1 \$M \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	S13R UL UL 96,000 SM UL UL 72,000 NSd UL UL 24,000 S13R UL UL 96,000 SM UL UL 72,000 NSd UL UL UL S13D S13R S1 SM UL UL UL 24,000 S13D S13R UL UL 96,000	S13R UL UL 96,000 64,000 SM UL UL 72,000 48,000 NSd UL UL 24,000 16,000 S13R UL UL 96,000 64,000 SM UL UL 72,000 48,000 NSd UL UL UL UL S13R S1 SM UL UL 24,000 16,000 S13D S13D S13R UL UL 96,000 64,000	S13R UL UL 96,000 64,000 96,000 SM UL UL 72,000 48,000 72,000 NSd UL UL 24,000 16,000 24,000 S13R UL UL 96,000 64,000 96,000 SM UL UL 72,000 48,000 72,000 NSd UL UL UL UL UL UL S13R S1 S1 S13D S13D S13D S13R S1 S13D S13R S1 S13D S13R S1 UL UL UL 96,000 64,000 96,000 96,000	S13R S1 UL UL 96,000 64,000 96,000 64,000 SM UL UL UL 72,000 48,000 72,000 48,000 NSd UL UL 24,000 16,000 24,000 16,000 S13R UL UL 96,000 64,000 96,000 64,000 SM UL 16,000 24,000 16,000 S13R S1 UL UL 24,000 16,000 24,000 16,000 S13R S1 UL UL 96,000 64,000 96,000 64,000	S13R S1 UL UL 96,000 64,000 96,000 64,000 82,000 SM UL UL UL 72,000 48,000 72,000 48,000 61,500 NSd UL UL UL 24,000 16,000 24,000 16,000 20,500 S13R UL UL UL 96,000 64,000 96,000 64,000 82,000 SM UL 24,000 16,000 24,000 16,000 20,500 513D 513D 513R S1 UL UL UL 96,000 64,000 96,000 64,000 82,000 82,000	S13R UL UL 96,000 64,000 96,000 64,000 82,000 48,000 SM UL UL 72,000 48,000 72,000 48,000 61,500 36,000 NSd UL UL 24,000 16,000 24,000 16,000 20,500 12,000 S13R S1 UL UL 96,000 64,000 96,000 64,000 82,000 48,000 SM UL 24,000 16,000 24,000 16,000 20,500 12,000 S13D S13R S1 UL UL 96,000 64,000 96,000 64,000 82,000 48,000

Reason:

Tables 504.4 and 506.2 were introduced into the code by code change G101-12, submitted by the ICC Building Code Action Committee (BCAC), as part of a substantial overhaul of the height and area provisions. The new tables replaced Table 503. It was not the intent of G101-12 to make any changes to allowable building height or area rendered by these provisions, compared to what was previously allowed. This proposed change corrects two tabular value errors that went undetected in the original code change until after the completion of the 2012 cycle: the tabular story height numbers for Type IV Group S-2, and the allowable area factor for Type II-A Group I-3. The following is taken from the 2012 edition of the IBC which shows the height and areas for S-2 and I-3 as shown in Table 503, from which Tables 504.4 and 506.2 were derived.

TABLE 503

ALLOWABLE BUILDING HEIGHTS AND AREAS^{a, b} Building height limitations shown in feet above grade plane. Story limitations shown as stories above grade plane. Building area limitations shown in square feet, as determined by the definition of "Area, building," per stor

					TYPE	OF CONSTRU	CTION			
		T	PE I	TYF	PE II	TYP	EIII	TYPE IV	TYP	ΈV
GROUP		Α	В	A	В	А	В	нт	A	В
	HEIGHT (feet)	UL	160	65	55	65	55	65	50	40
						IES(S) A (A)				
1-3	S A	OF	4 UL	2 15,000	1 10,000	2 10,500	1 7,500	2 12,000	2 7,500	1 5,000
1-4	S A	UL UL	5 60,500	3 26,500	2 13,000	3 23,500	2 13,000	3 25,500	1 18,500	1 9,000
М	S A	UL. UL	11 UL	4 21,500	2 12,500	4 18,500	2 12,500	4 20,500	3 14,000	9,000
R-1	S A	UL. UL.	11 UL	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
R-2	S A	UL UL	11 UL	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
R-3	S A	UL UL	11 UL	4 UL	4 UL	4 UL	4 UL	4 UL	3 UL	3 UL
R-4	S A	UL.	11 XII.	4 24,000	4 16,000	4 24,000	4 16,000	4 20,500	3 12,000	2 7,000
S-1	S A	UL UL	11 48,000	4 26,000	2 17,500	3 26,000	2 17,500	4 25,500	3 14,000	1 9,000
S-2	S A	UL. UL	11 79,000	5 39,000	3 26,000	4 39,000	3 26,000	5 38,500	4 21,000	2 13,50

(Only portions of table are shown)

As you can see, for the S-2 stories (S) row in the Type IV column, that is 5 stories for not sprinkled. Accordingly, Table 504.4 should have been 5 stories in the NS row to match the old Table 503 and 6 stories in the S row reflecting the 1 story increase for sprinkler protection allowed by 504.2.

Also, for the I-3 Area (A) row in the Type II-A column, you see 15,000 square feet, the same as in the new Table 506.2, but when you look to the new row for S1 (Single story sprinkler protection) you will see that value is only increased by an additional 200% from the base area [15,000 + 2(15,000) = 45,000] when Section 506.3 called for the increase to be an additional 300% from the base area [15,000 + 3(15,000) = 60,000] when the building is no more than one story above grade plane. Clearly this was a simple oversight when creating the new Table. G101-12 as it appeared in the monograph and the Report of the Public Hearing are attached for reference. The final action was AM (Approved as Modified by the committee).

Approval of this code change is necessary to restore the correct allowable building size for these two occupancies and construction types.

This proposal is submitted by the ICC Building Code Action Committee (BCAC). BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2017 the BCAC has held 3 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-action-committee-bcac.

G84-18: Last column did not display in the CAH monograph.

G84-18

Proponent: Stephen DiGiovanni, representing ICC Ad Hoc Committee on Tall Wood Buildings (TWB) (TWB@iccsafe.org)

TABLE 506.2

ALLOWABLE AREA FACTOR (At = NS, S1, S13R, S13D or SM, as applicable) IN SQUARE FEETa, b

OCCUPANCYCLASSIFICATIO	N SEE FOOTNOTES	TYPE	OF CONS	STRUCT	ION	3-					TYPE OF CONSTRUCTION	TYPE OF CONSTRUCTION	TYPE OF
		TYPE I		TYPE II		TYPE III		TYPE IV				TYPE V	
;		_	В	Α	В	Α	В	_	В	c	HT	^	В
A-1	NS	UL	UL	15,500	8,500	14,000	8,500	45,000	30,000	18,750	15,000	11,500	5,500
	51	UL	UL	62,000	34,000	56,000	34,000	180,000	120,000	75,000	60.000	46,000	22,000
	SM	UL	UL	46,500	25,500	42,000	25,500	135,000		56,250	45,000	34,500	16,500
4-2	NS	UL	UL	15,500	9,500	14,000	9,500	45,000	30,000	18,750	15,000	11,500	6,000
	S1	UL	UL	62,000	38.000	56.000	38.000	180,000		75.000	60.000	46.000	24.000
	SM NS	UL	UL	46.500	9,500	14.000	9,500	135,000		56,250	45.000 15.000	34.500	6,000
A-3	3000	Andrew Company		15,500	and the second second			45,000	30,000	18,750		11.500	CONTRACTOR OF THE PARTY OF THE
	51	UL	UL	62.000	38.000	56.000	38.000	180,000	120,000	75.000	60.000	46,000	24.000
2005	SM	UL	UL	46,500	28,500	42,000	28,500	135,000	90,000	56,250	45,000	34,500	18,000
A-4	NS	UL	UL	15,500	9,500	14,000	9,500	45,000	30,000	18,750	15,000	11,500	6,000
	51	UL	UL	62,000	38,000	56,000	38,000	180,000		75,000	60,000	46,000	24,000
	SM	UL	UL	46,500	28,500	42,000	28,500	135,000		56,250	45,000	34,500	18,000
4-5	NS	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
	S1	-											
	SM	201220	Si con		2								
	NS	UL	UL	37,500	23,000	28,500	19.000	108,000		45,000	36,000	18.000	9.000
	51	UL	UL	150,000	92,000	114.000		432,000				72,000	36,000
	SM	UL	UL	112,500		85,500	57.000	324,000				54,000	27,000
	NS	UL	UL	26,500	14,500	23,500	14,500	76,500	51,000	31,875	25,500	18,500	9,500
	51	UL	UL	106,000		94,000	58,000	306,000				74.000	38,000
	SM	UL	UL	79,500	43,500	70,500	43,500	229,500	153,000	95.625	76,500	55,500	28,500
-1	NS	UL	UL	25,000	15,500	19,000	12,000	100,500		41.875	33,500	14,000	8,500
	51	UL	UL	100,000	62,000	76,000	48,000	402.000		167.500	134.000	56,000	34,000
	SM	UL	UL	75,000	46,500	57,000	36,000	301,500	201,000	125,625	100,500	42,000	25,500
-2	NS	UL	UL	37,500	23,000	28.500	18.000	151.500	101.000		50.500	21.000	13,000
	S1	UL	UL	150,000	92.000	114.000	72.000	606,000	404,000	252,500	202,000	84,000	52.000
	SM	UL	UL	112.500	69.000	85.500	54.000	454,500	303,000	189.375	151.500	63.000	39.000
4-1	N5°	21.000	16.500	11.000	7.000	9.500	7.000	10.500	10.500	10.500	10.500	7,500	NP
	51		I manage		- Local Control	Total Community	-00 thon 500 5000s				TO THE PERSON OF		
1-2	NSC	21,000	16,500	11,000	7,000	9,500	7,000	10,500	10,500	10,500	10,500	7,500	3,000
	51												
	SM	1											
4-3	NSE	UL	60,000	26,500	14,000	17,500	13,000	25,500	25,500	25,500	25,500	10,000	5,000
76.7	S1	37.55											
	SM	1											
1-4	NSC. d	UL	UL	37,500	17.500	28,500	17.500	72,000	54,000	40,500	36,000	18.000	6.500
1-4	51	UL	UL	150,000	70,000	114,000					- Committee Comm	72,000	26.000
	SM	and the second	-					288,000				SCHOOL STATISTICS	
1-5	NSC. d	UL	UL	112.500		28,500	52,500				108,000 36,000	54,000	19.500
1-3			UL	37,500	23,000		19,000	72,000	54,000	40,500	Linear Micromoter	18,000	9,000
	S1	UL	UL	150,000		114,000	76,000	288,000			144,000	72,000	36,000
	SM	UL	UL	112,500		85,500	57,000	216,000	162,000	121.500	108000	54,000	27,000
1	NSd. e	UL	55,000	19,000	10,000	16,500	10,000	54,000	36,000	18,000	18,000	10,500	4,500
	51	UL	220,000	76,000	40,000	66,000	40,000	216,000		the state of the s	72,000	42,000	18,000
	SM	UL	165,000	57,000	30,000	49.500	30,000	162,000			54.000	31.500	13,500
-2	NSd. f	UL	UL	15,000	11,000	12.000	NP	36,000	24,000	12.000	12.000	9.500	NP
	51	UL	UL	60,000	44,000	48.000	NP	144.000	96,000	48,000	48.000	38,000	NP
	SM	UL	UL	45,000	33.000	36,000	NP	108,000	72,000	36,000	36,000	28,500	NP
-3	N5d. e	UL	UL	15.000	10,000	10.500	7.500	36,000	24.000	12.000	12.000	7,500	5.000
	51	UL	UL	45,000	40,000	42,000	30,000	144,000	96,000	48,000	48,000	30,000	20,000
	SM	UL	UL	45,000	30,000	31,500	22,500	108,000	72,000	36,000	36,000	22,500	15,000
-4	NSd. d	UL	60,500	26,500	13,000	23,500	13,000	75.500	51,000	25,500	25,500	18,500	9,000
	51	UL	121,000	106,000	52,000	94,000	52,000	306,000	204,000	102,000	102,000	74,000	36,000
	SM	UL	181,500		39,000	70,500	39,000	229,500			76,500	55,500	27,000
4	NS	UL	UL	21.500	12,500	18,500	12.500	61.500	41.000	25,625	20.500	14.000	9.000
	S 1	UL	UL	86,000	50,000	74.000	50.000	246,000	164,000	102,500	82,000	56.000	36.000
	SM	UL	UL	64,500	37,500	55,500	37,500	184,500			61,500	42.000	27,000
R-1 ^h	N5 ^d	UL	UL	24,000	16,000	24.000	16.000	61.500	41.000	25.625	20,500	12.000	7.000
5000	513R	Park.	1886 E.						September 1	100000000000000000000000000000000000000	1000.0000000	PRESIDE	
	51	UL	UL	96,000	64,000	96,000	64,000	246,000	164,000	102,500	82,000	48,000	28,000
	SM	UL	UL	72.000	48,000	72,000	48,000	184,500			61.500	36.000	21.000
₹-2 ^h	NSd	UL	UL	24,000	16,000	24,000	16,000	61,500	41,000	25,625	20,500	12,000	7,000
	513R					1	20,000			-			E.M. 15.15.15
	51	UL	UL	96.000	64,000	96,000	64.000	246,000	164,000	102,500	82,000	48.000	28,000
	SM	UL	UL	72,000	48.000	72.000	48,000		123.000		61,500	36,000	21,000
3-3h	NSd	UL	UL	UI.	1.11	LII	CII.	CII.	LII	111	CII.		LIL
	5 13D	-	-		-	-				-	Total		
		1			1								
	S13R S1	1								1	1		
		1					1			1	1		
2026	SM										33.500		7 000
₹-4h	NSd	UL	UL	24.000	16,000	24,000	16,000	61.500	41.000	25.625	20,500	12,000	7,000
	5 1 3 D	1											
	513R			/-	5	- 1					81	G	3
	S1	UL	UL	96,000		96,000	64,000			102,500		48,000	28,000
	SM	UL	UL	72.000	48,000	72.000	48.000		123,000		61,500	36.000	21.000
i - 1	NS	UL	48,000	26,000	17,500	26.000	17.500	76,500	51,000	31.875	25.500	14,000	9.000
	51	UL	192,000	104.000	70,000	104,000	70.000	306,000	204,000		102.000	56.000	36,000
	SM	UL	144,000	78,000	52,500	78.000	52,500		153,000		76,500	42,000	27,000
5-2	NS	UL	79,000	39,000	26,000	39,000	26,000	115,500		48,125	38,500	21,000	13,500
	51	UL		156,000					308,000			84,000	54,000
	SM	UL	-	117,000	-200	117,000		346,500				63,000	40,500
ı	NS	UL	35,500	19,000	8,500	14,000	8,500	54,000	36,000	22,500	18.000	9.000	5,500
	51	UL	142,000		34,000	56,000	34,000		144,000		72.000	36,000	22,000
	SM	UL									54,000	27,000	16,500
	1314	-L	100,500	57,000	25,500	42,000	25,500	102,000	1200,000	67,500	3-4,000	27,000	13,300

H-3	NSC	UL	60,000	26,500	14,000	17,500	13,000	25,500	25,500	25,500	25,500	10,000	5,000
	51	1	0.38			matters and		DECCEMBER 1975				As-Tookhariana	
	SM										e-		
H-4	NSc,d	UL	UL	37,500	17,500	28,500	17,500	72,000	54,000	40,500	36,000	18,000	6,500
	51	UL	UL	150,000	70,000	114.000	70,000	288,000	216.000	162,000	144,000	72,000	26,000
	SM	UL	UL	112,500	52,500	85,500	52,500	216,000	162,000	121,500	108,000	54,000	19,500
H-5	NSc, d	UL	UL	37,500	23,000	28,500	19,000	72,000	54,000	40,500	36,000	18,000	9,000
	51	UL	UL	150,000	92.000	114.000	76.000	288.000	216,000	162,000	144,000	72.000	36.000
	SM	UL	UL	112,500	69,000	85,500	57,000	216,000	162,000	121,500	108000	54,000	27,000
-1	NS ^{d, e}	UL	55,000	19,000	10,000	16,500	10,000	54,000	36,000	18,000	18,000	10,500	4,500
	5.1	UL	220,000	76,000	40,000	66,000	40,000	216,000	144,000	72,000	72,000	42,000	18,000
	SM	UL	165,000	57,000	30,000	49,500	30,000	162,000	108,000	54,000	54,000	31,500	13,500
-2	NSd. f	UL	UL	15,000	11,000	12.000	NP	36.000	24,000	12.000	12,000	9.500	NP
	51	UL	UL	60,000	44,000	48,000	NP	144,000	96,000	48,000	48,000	38,000	NP
	SM	UL	UL	45,000	33,000	36,000	NP	108,000	72,000	36,000	36,000	28,500	NP
-3	NSd, e	UL	UL	15,000	10,000	10,500	7,500	36,000	24.000	12,000	12,000	7.500	5.000
	51	ÜL	UL	45,000	40,000	42,000	30,000	144,000	96,000	48,000	48,000	30,000	20,000
	sm	UL	UL	45,000	30,000	31,500	22,500	108,000	72,000	36,000	36,000	22,500	15,000
-4	NSd. a	UL	60.500	26.500	13.000	23,500	13.000	76.500	51,000	25,500	25.500	18.500	9.000
	S1	UL	121,000	106,000	52,000	94,000	52,000	306,000	204,000	102,000	102,000	74,000	36,000
	SM	UL	181,500	79,500	39,000	70,500	39,000	229,500	153,000	76,500	76,500	55,500	27,000
4	NS	UL	UL	21,500	12,500	18,500	12,500	61,500	41,000	25,625	20,500	14,000	9,000
	S1	UL	UL	86,000	50,000	74,000	50,000	246,000	164,000	102,500	82,000	56,000	36,000
	SM	UL	UL	64.500	37.500	55,500	37.500	184,500	123.000	76,875	61.500	42.000	27.000
R-1 ^h	NSd	UL	UL	24,000	16,000	24,000	16,000	61,500	41,000	25,625	20,500	12,000	7,000
	S13R			- 3	- 500	839	- 83	23 55	RY 113 - 124	(S) (A) 98	23		177
	51	UL	UL	96,000	64.000	96,000	64.000	246,000	164,000	102,500	82.000	48.000	28,000
	SM	UL	UL	72,000	48,000	72,000	48,000	184,500	123,000	76,875	61,500	36,000	21,000
R-2 ^h	NSd	UL	UL	24,000	16,000	24,000	16,000	61,500	41,000	25,625	20,500	12,000	7,000
	S13R	72		accontanta.	i posteviorioriorio	100000000000000000000000000000000000000	ALM CAN-INDICAL	Section Company	100-300-300-300-300-300-300-300-300-300-	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0.000000000000	-0ver1 on on or
	S1	UL	UL	96,000	64,000	96,000	64,000	246,000	164,000	102,500	82,000	48,000	28,000
	SM	UL	UL	72,000	48,000	72,000	48,000	184,500	123,000	76,875	61,500	36,000	21,000
R-3h	NSd	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL
	S13D												
	S 13R												
	51												
	SM												
3-4h	NSd	UL	UL	24.000	16.000	24.000	16.000	61.500	41.000	25,625	20,500	12.000	7.000
	S 13D						United States of the Control of the	100000000000000000000000000000000000000	Moved popularies				
	S 13R	- J.											
	51	UL	UL	96,000	64,000	96.000	64.000	246,000	164.000	102,500	82,000	48,000	28,000
	SM	UL	UL	72,000	48,000	72,000	48,000	184,500	123,000	76,875	61,500	36,000	21,000
5-1	NS	UL	48,000	26,000	17,500	26,000	17,500	76,500	51,000	31,875	25,500	14,000	9,000
	51	UL	192,000	104,000	70,000	104,000	70,000	306,000	204,000	127,500	102,000	56,000	36,000
	SM	UL	144,000	78,000	52,500	78,000	52,500	229,500		95,625	76,500	42,000	27,000
5-2	NS	UL	79.000	39,000	26.000	39,000	26.000	115,500	77.000	48.125	38.500	21.000	13.500
	51	UL	316,000	156,000	104,000	156,000	104,000	462,000	308,000	192,500	154,000	84,000	54,000
	SM	UL	237,000	117,000	78,000	117,000	78,000	346,500	231,000	144,375	10	63,000	40,500
J	NS!	UL	35,500	19.000	8.500	14.000	8.500	54.000	36,000	22,500	18.000	9.000	5.500
	51	UL	142,000		34,000	56,000	34,000	216,000		90,000	72,000	36,000	22,000
	sm	UL	106,500	22 72	25,500	42,000	25,500	4 - 22 - 2	108,000		54,000	27,000	16.500

G86-18: Changes made to the equations. Only sections shown were changed. (See highlighted text)

G86-18

Proponent: Stephen Thomas, Colorado Code Consulting, LLC, representing Colorado Chapter ICC (sthomas@coloradocode.net)

506.3.2 Minimum frontage distance. To qualify for an area factor increase based on frontage, the *public way* or open space adjacent to the building perimeter shall have a minimum distance (W) of 20 feet (6096 mm) measured at right angles from the building face to any of the following:

- 1. The closest interior lot line.
- 2. The entire width of a street, alley or public way.
- 3. The exterior face of an adjacent building on the same property.

Where the value of W is greater than 30 feet (9144 mm), a value of 30 feet (9144 mm) shall be used in calculating the *building area* increase based on frontage, regardless of the actual width of the *public-way* or open space. Where the value of W varies along the perimeter of the building, the calculation performed in accordance with Equation 5-5 shall be based on the weighted average calculated in accordance with Equation 5-4.

 $\frac{W = (L1 \times w1 + L2 \times w2 + L3 \times w3...)/F}{(Equation 5-4)}$

where:

W (Width: weighted average) = Calculated width of public way or open space (feet).

- Ln = Length of a portion of the exterior perimeter wall.
- wn = Width (≥ 20 feet) of a public way or open space associated with that portion of the exterior perimeter wall.
- F = Building perimeter that fronts on a *public way* or open space having a width of 20 feet (6096 mm) or more.

Exception: Where a building meets the requirements of Section 507, as applicable, except for compliance with the minimum 60-foot (18 288 mm) *public way* or *yard* requirement, and the value of *W* is greater than 30 feet (9144 mm), the value of *W* shall not exceed 60 feet (18 288 mm).

The frontage increase shall be based on the smallest public way or open space that is 20 feet (6096 mm) or greater, and the percentage of building perimeter having a minimum 20 feet (6096 mm) public way or open space.

506.3.3 Amount of increase. The area factor increase based on frontage shall be determined in accordance with <u>Equation 5-5: Table 506.3.3.</u>

<mark>l_f=[F/P-0.25]W/30 (Equation 5-5)</mark>

where:

If = Area factor increase due to frontage.

- F = Building perimeter that fronts on a *public way* or open space having minimum distance of 20 feet (6096 mm).
- P = Perimeter of entire building (feet).
- W = Width of public way or open space (feet) in accordance with Section 506.3.2.

I_f= [F/P - 0.25]W/30

G116-18 Part I

Proponent: Keith Flanders, Cosentini Associates, representing self (kflanders@cosentini.com)

THIS IS A 2 PART CODE CHANGE PROPOSAL. BOTH PARTS WILL BE HEARD BY THE MECHANICAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER.

G117-18: This code change will be heard by the Mechanical Code Committee

G117-18

Proponent: Keith Flanders, Cosentini Associates, representing self (kflanders@cosentini.com)

THIS CODE CHANGE WILL BE HEARD BY THE MECHANICAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

G151-18: Added text (< 8.0 feet (2438 mm)) to rows: 1AX, 1BX, 1CX, and 1DX. Removed extra column and underlined entire new table

G151-18

Proponent: Ed Kullik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

TABLE 3114.8.5.3 ALLOWABLE STRENGTH VALUES FOR INTERMODAL SHIPPING CONTAINER CORRUGATED STEEL SIDING SHEAR WALLS FOR WIND OR SEISMIC LOADING

CONTAINER DESIGNATION 2		CONTAINER DIMENSION (Nominal Height)		<u>R</u>	
			Side Wall	End Wall	
1EEE	45 feet (13.7 M)	9.5 feet (2896 mm)	<u>75</u>	843	
1EE	100	<u>8.6 feet</u> (2591 mm)			
<u>1AAA</u>	40 feet (12.2 M)	9.5 feet (2896 mm)	84		
<u>1AA</u>		8.5 feet (2592 mm)			
<u>1A</u>		8.0 feet (2438 mm)			
1AX		< 8.0 feet (2438 mm)			
<u>1888</u>	30 feet (9.1 M)	9.5 feet (2896 mm)	112		
<u>188</u>		8.5 feet (2591 mm)			
<u>18</u>		8.0 feet (2438 mm)			
<u>18X</u>	**	< 8.0 feet (2438 mm)			
1CC	20 feet (9.1 M)	8.5 feet (2591 mm)	<u>168</u>		
<u>1C</u>		8.0 feet (2438 mm)			
1CX		< 8.0 feet (2438 mm)			
<u>1D</u>	10 feet (3.0 M)	8.0 feet (2438 mm)	<u>337</u>		
1DX		< 8.0 feet (2438 mm)			

2018 PROPOSED CHANGES TO THE INTERNATIONAL FIRE CODE

F178-18: Correction to text. (See highlighted text)

F178-18

Proponent: Ken Brouillette, Seattle Fire Department, representing Seattle Fire Department (ken.brouillette@seattle.gov)

Revise as follows:

1031.2 Reliability. Required *exit accesses*, *exits* and *exit discharges* shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency where the building area served by the *means of egress* is occupied. An *exit_er exit* passageway or corridor shall not be used for any purpose that interferes with a *means of egress*.

F276-18: Pictures missing from Reason statement.

F276-18

Proponent: Michael O'Brian, Chair, representing FCAC (fcac@iccsafe.org); Ed Kullik, Chair, representing ICC Building Code Action Committee (bcac@iccsafe.org)

Reason:

Currently, due to changes over several code change cycles, there is confusion on how to treat distilled spirits and wines as a Group in the International Building Code and for applicable safety requirements of the International Fire Code. Coordination between the codes on this subject is important because distilled spirits still have the properties of flammable liquids and proper safeguards must be provided for the occupancies housing such activities.

[F] COMBUSTIBLE LIQUID. A liquid having a closed cup flash point at or above 100°F (38°C). Combustible liquids shall be subdivided as follows:

Class II. Liquids having a closed cup flash point at or above 100°F (38°C) and below 140°F (60°C).

Class IIIA. Liquids having a closed cup flash point at or above 140°F (60°C) and below 200°F (93°C).

Class IIIB. Liquids having a closed cup flash point at or above 200°F (93°C).

The category of combustible liquids does not include compressed gases or cryogenic fluids.

[F] FLAMMABLE LIQUID. A liquid having a closed cup flash point below 100°F (38°C). Flammable liquids are further categorized into a group known as Class I liquids. The Class I category is subdivided as follows:

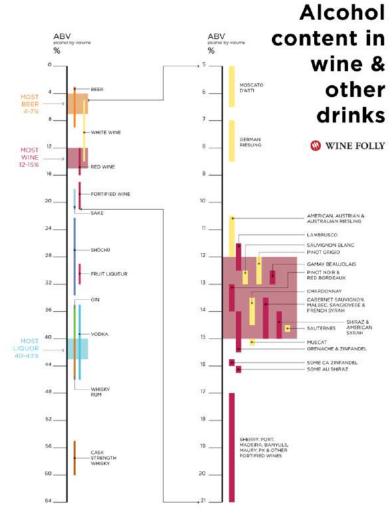
Class IA. Liquids having a flash point below 73°F (23°C) and a boiling point below 100°F (38°C).

Class IB. Liquids having a flash point below 73°F (23°C) and a boiling point at or above 100°F (38°C).

Class IC. Liquids having a flash point at or above 73°F (23°C) and below 100°F (38°C). The category of flammable liquids does not include compressed gases or cryogenic

TABLE 3-5. DILUTION EFFECT ON FLASH POINT OF ETHYL ALCOHOL

PERCENTAGE OF ALCOHOL	PROOF	FLASH	POINT
		F. F.	C.
100	200	55°	13°
96 95 80	192	62°	17°
95	190	63°	17°
80	160	68°	20°
70	140	70°	21°
60	120	72°	22°
50	100	75°	24°
40	80	79°	26°
30	60	85°	29°
30 20	40	97°	36°
10	20	120°	49°
5	10	144°	62°



The International Building Code classifies the various activities into Groups. The manufacturing of beverages with over 16 percent alcohol is classified as an F-1 and the manufacturing of beverages 16 percent alcohol or less is classified as an F-2: 306.2 Moderate-hazard factory industrial, Group F-1. Factory industrial uses that are not classified as Factory Industrial F-2 Low Hazard shall be classified as F-1 Moderate Hazard and shall include, but not be limited to, the following: Beverages: over 16-percent alcohol content

306.3 Low-hazard factory industrial, Group F-2. Factory industrial uses that involve the fabrication or manufacturing of noncombustible materials that during finishing, packing or processing do not involve a significant fire hazard shall be classified as F-2 occupancies and shall include, but not be limited to, the following:

Beverages: up to and including 16-percent alcohol content

The storage of beverages with up to and including 16-percent alcohol in metal, glass or ceramic containers is classified as an S-2:

311.3 Low -hazard storage, Group S-2. Storage Group S-2 occupancies include, among others, buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Such products are permitted to have a negligible amount of plastic trim, such as knobs, handles or film w rapping. Group S-2 storage uses shall include, but not be limited to, storage of the following:

Beverages up to and including 16-percent alcohol in metal, glass or ceramic containers

However, there is no Group S classification listed for storage of beverages with over 16 percent alcohol and there are no listed "Uses other than Group H" for distilling activities or bulk storage of distilled spirits in Section 307 High Hazard Group H.

311.2 Moderate-hazard storage, Group S-1. Storage Group S-1 occupancies are buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:

[F] 307.1.1 Uses other than Group H. An occupancy that stores, uses or handles hazardous materials as described in one or more of the following items shall not be classified as Group H, but shall be classified as the occupancy that it most nearly resembles.

2. Wholesale and retail sales and storage of flammable and combustible liquids in mercantile occupancies conforming to the International Fire Code.

6. Liquor stores and distributors without bulk storage.

The lack of a S-1 Group designation for storage activities for beverages over 16-percent alcohol or any bulk storage recognition and the lack of recognition under "Uses other than Group H" causes disputes between code officials as to application of a Group H to storage of the finished product after it leaves the Factory group process.

In the International Fire Code there is confusion about the applicability of Chapter 50 Hazardous Materials-General Provisions and Chapter 57 Flammable and Combustible Liquids provisions to distilled spirits because of the exception for distilled spirits and wines stored in wooden barrels and casks in IFC Chapters 50 and 57. The issue is arising because of the growing popularity of "boutique" or "craft" distillers.

A review of the International Fire Code Commentary concerning the distilled spirits in wooden barrels exception finds the following statement which highlights the conflict between the codes:

5001.1 Scope.

Prevention, control and mitigation of dangerous conditions related to storage, dispensing, use and handling of hazardous materials shall be in accordance with this chapter.

This chapter shall apply to all hazardous materials, including those materials regulated elsewhere in this code, except that w here specific requirements are provided in other chapters, those specific requirements shall apply in accordance with the applicable chapter. Where a material has multiple hazards, all hazards shall be addressed.

Exceptions:

10. The storage of distilled spirits and wines in wooden barrels and casks.

IFC Commentary:

"Exception 10 covers the storage of distilled spirits and wines in wooden barrels and casks. This statement may appear to exempt all requirements for these products from being a Group H occupancy. However, the IBC will still classify the storage area as a Group H occupancy if the amounts exceed the maximum allow able quantities (MAQs) per control area listed in Table 307.1(1) of that code for flammable or combustible liquids. All requirements for a Group H occupancy in the IBC are still applicable; however, any requirements from the code (fire code) are not."

5701.1 Scope and application. Prevention, control and mitigation of dangerous conditions related to storage, use, dispensing, mixing and handling of flammable and combustible liquids shall be in accordance with Chapter 50 and this chapter.

5701.2 Nonapplicability. This chapter shall not apply to liquids as otherwise provided in other laws or regulations or chapters of this code, including:

10. The storage of distilled spirits and wines in wooden barrels and casks.

IFC Commentary:

"Item 10 makes the storage of distilled spirits and wines in wooden barrels and casks exempt from this chapter. Although their contents are classified as flammable liquids, the containers do not pose the rupture hazard that other containers do. Barrels and casks will leak their contents and contribute to the fire as the metal bands that secure the staves expand and loosen. Even this hazard feature is generally mitigated by the operation of automatic sprinklers that prevent the fire from progressing to the point where the metal bands get hot enough to expand. A similar exception also appears in Section 5001.1."

In summary, when you manufacture distilled spirits you are an F-1 occupancy. When you manufacture wine or beer you are an F-2 occupancy. When you store wine and beer you are an S-2 occupancy. When you store distilled spirits in retail packaging you are not an H occupancy but there is no clarifying entry under S-1. If you store any beverage with over 16% alcohol in bulk, (includes some wines), you have an H occupancy. As far as risk goes, manufacturing has a higher risk than storage for an event, yet manufacturing of distilled spirits is an F-1 regardless of amount but an H if stored in bulk. This makes no sense. To top it off, when you go to the IFC, if you store your distilled spirits in bulk in wooden barrels Chapter 50 and 57 do not apply so there are no code requirements.

This proposal attempts to address this confusion recognizing the main safety issues are the need for automatic fire suppression, the need for mechanical ventilation and need for containment of spills. In 2005 the Distilled Spirits Council of The United States (DISCUS) released recommended guidelines for these facilities which addressed fire protection, ventilation and secondary containment requirements. Those guidelines were consulted in drafting the new chapter proposed for the International Fire Code. It is proposed to make the following Group designation changes to the International Building Code:

Add a classification under S-1 for storage of beverages over 16% alcohol whether in bulk or retail packaging.

Modify the classification under S-2 to apply to all beverages up to and including 16-percent alcohol regardless of container type. Modify Section [F] 307.1.1 "Uses other than Group H" to add classifications for distilling, brewing or storage of these materials.

In the International Fire Code, it is proposed to strike the word "wooden" and addition of the "word beer" in the exceptions in Chapters 50 and 57:

10. The storage of beer, distilled spirits and wines in wooden barrels and casks.

In the International Mechanical Code it is proposed to strike the word "wooden" from Section [F] 502.9.5 "Flammable and combustible liquids".

In conjunction with the Group classification cleanup and striking the word wooden in both the IFC and IMC, protection features will be addressed by establishing new sprinkler thresholds for the manufacture of distilled spirits or bulk storage of distilled spirits regardless of square footage along with the creation of a new chapter in the International Fire Code for the Storage of Distilled Spirits and Wines.

This proposal is submitted by the ICC Fire Code Action Committee (FCAC) and the ICC Building Code Action Committee (BCAC). The FCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance assigned International Codes with regard to fire safety and hazardous materials in new and existing buildings and facilities and the protection of life and property in wildland urban interface areas. In 2017 the Fire-CAC has held 3 open meetings. In addition, there were numerous conference calls, Regional Work Group and Task Group meetings for the current code development cycle, which included members of the committees as well as any interested parties, to discuss and debate the proposed changes. Related documentation and reports are posted on the FCAC website at: https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/. BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. In 2017 the BCAC has held 3 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as w ell as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-action-committee-bcac.

2018 PROPOSED CHANGES TO THE INTERNATIONAL FUEL GAS CODE

FG4-18: Correction to the definition.

FG4-18

Proponent: James Ranfone, representing American Gas Association (jranfone@aga.org)

Revise as follows:

VALVE. A device used in piping to control the gas supply to any section of a system of piping or to an appliance.

Service Shutoff. A valve, installed by the serving gas supplier between the service meter or source of supply and the customer piping system point of delivery, to shut off the entire piping system.

FG19-18 - Withdrawn by Proponent

Proponent: James Ranfone, representing American Gas Association (jranfone@aga.org)

2018 PROPOSED CHANGES TO THE INTERNATIONAL MECHANICAL CODE

M27-18: Analysis has been removed from the code change

M27-18

Analysis: A review of the standard proposed for inclusion in the code, with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 2, 2018.

M33-18: Standards were shown struck out that were not edited. ONLY the new standard should show in the code change proposal.

M33-18

Proponent: Mike Moore, representing The Home Ventilating Institute (mmoore@newportventures.net)

2018 International Mechanical Code

Add new standard as follows:

ASHRAE

62.2-2016:

Ventilation and Acceptable Indoor Air Quality in Residential Buildings with Addenda b, d, k, I, q, and s

M92-18: Correction to the text. See highlighted change.

M92-18

Proponent: Jay Peters, Codes and Standards International, representing Cerro Flow Copper, RLS LLC (peters.jay@me.com)

Revise as follows:

1107.5.4 Copper tubing joints. Copper tubing joints used in refrigerating systems containing Group A2, A3, B2 or B3 refrigerants shall be brazed. Soldered joints shall not be used in such refrigerating systems. Press-connect fittings shall be listed in accordance with UL 207.

M102-18: Code change has been added.

M102-18

IMC: 1107.5.6 (New), 1107.5

Proponent: William Chapin, Professional Code Consulting, LLC, representing Professional Code Consulting, LLC (bill@profcc.us)

2018 International Mechanical Code

Add new text as follows:

1107.5.6 PE-RT/AL/PE-RT. Polyethylene of raised temperature/aluminum/polyethylene of raised temperature (PE-RT/AL/PE-RT) tubing shall conform to ASTM FXXXX.

Revise as follows:

1107.5 Materials for refrigerant pipe and tubing.

Piping materials shall be as set forth in Sections 1107.5.1 through 1107.5.6.

Reason: The ASTM F17 Subcommittee for composite pipe is creating the standard for PE-RT/AL/PE-RT tubing that is currently being used in HVAC/R line sets. The standard is expected to be published in the coming months. This standard ensures that the tubing is tested and rated for the application.

Cost Impact:

The code change proposal will not increase or decrease the cost of construction . Cost can vary depending on system design.

Analysis: A review of the standard proposed for inclusion in the code, with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 2, 2018.

Internal ID: 1752

M113-18: Change to standard.

M113-18

Proponent: Jeremy Brown, representing NSF International (brown@nsf.org)

Add new standard(s) follows:

NSF 358-3-2016: Cross-linked polyethylene (PEX) pipe and fittings for water-based ground source(geothermal) heat pump systems

2018 PROPOSED CHANGES TO THE INTERNATIONAL PLUMBING CODE

P6-18: Text added to footnote c. (See highlighted text)

P6-18

Proponent: Forest Hampton, Lubrizol Advanced Materials, Inc., representing Lubrizol Advanced Materials, Inc. (forest.hampton@lubrizol.com)

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- The maximum horizontal spacing of cast-iron pipe hangers shall be increased to 10 feet where 10-foot lengths of pipe are installed.
- b. For sizes 2 inches and smaller, a guide shall be installed midway between required vertical supports. Such guides shall prevent pipe movement in a direction perpendicular to the axis of the pipe.
- c. Hanger spacing is calculated at 180°F (82.2°C). For applications with lower use temperatures, piping support spacing shall be permitted to be in accordance with the manufacturer's installation instructions provided that such support spacing is approved.

P11-18 Part II: Text is not new. Underline has been removed. (See highlighted text)

P11-18 Part II

Proponent: Robert Fuller, County of Roanoke, Virginia, representing R. G. Fuller (rfuller@roanokecountyva.gov)

Revise as follows:

P2503.5.1 Rough plumbing. DWV systems shall be tested on completion of the rough piping installation by water or, <u>air for piping systems</u> other than plastic <u>or</u>, by <u>a vacuum of air for plastic piping systems</u>, without evidence of leakage. <u>Either The</u> test shall be applied to the drainage system in its entirety or in sections after rough-in piping has been installed, as follows:

- 1. Water test. Each section shall be filled with water to a point not less than 5 feet (1524 mm) above the highest fitting connection in that section, or to the highest point in the completed system. Water shall be held in the section under test for a period of 15 minutes. The system shall prove leak free by visual inspection.
- 2. Air test. The portion under test shall be maintained at a gauge pressure of 5 pounds per square inch (psi) (34 kPa) or 10 inches of mercury column (34 kPa). This pressure shall be held without introduction of additional air for a period of 15 minutes.
- 3. Vacuum Test. The portion under test shall be evacuated of air by a vacuum type pump to achieve a uniform gauge pressure of -5 pounds per square inch or a negative 10-inches of mercury column (-34 kPa). This pressure shall be held without the removal of additional air for a period of 15 minutes.

P44-18 Part II: Correction to section number. (See highlighted text)

P44-18 Part II

Proponent: Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (PMGCAC@iccsafe.org)

Revise as follows:

P2713.3 Bathtub and whirlpool bathtub valves. Hot water supplied to bathtubs Bathtubs and whirlpool bathtubs bathtub valves shall be limited to a temperature of not greater than 120°F (49°C) have or be

supplied by a water-temperature limiting device that conforms to ASSE 1070/ASME A112.1070/CSA B125.70 or CSA B125.3, except where such protection is otherwise provided by a valves are combination tub/shower valve valves in accordance with Section P2708.4. The water temperature3 limiting device required by this section shall be equipped with a means to limit the maximum setting of the device to 120°F (49°C), and, where adjustable, shall be field adjusted in accordance with the manufacturer's instructions to provide hot water at a temperature not to exceed 120°F (49°C). Access shall be provided to water temperature limiting devices that conform to ASSE 1070/ASME A112.1070/CSA B125.70 or CSA B125.3.

Exception: Access is not required for non-adjustable water temperature limiting devices that conform to ASSE 1070/ASME A112.1070/CSA B125.70 or CSA B125.3 and are integral with a fixture fitting, provided that the fixture fitting itself can be accessed for replacement.

P50-18 Part II: Correction to section number. (See highlighted text)

P50-18 Part II

Proponent: Julius Ballanco, JB Engineering and Code Consulting, P.C., representing Bradley Corporation (JBEngineer@aol.com)

Revise as follows:

P2713.3 Bathtub and whirlpool bathtub valves. *Hot water* supplied to bathtubs and whirlpool bathtubs shall be limited to not greater than 120°F (49°C) by a the water -temperature limiting device that conforms-temperature shall be regulated by one of the following:

- A limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70 or CSA B125.3.
- 2. A thermostatic mixing valve conforming to ASSE 1017.
- 3. A water heater conforming to ASSE 1082.
- 4. A water heater conforming to ASSE 1084.

<u>Exception:</u> except Water temperature regulation by one of the items indicated in this section shall not be required where such regulation is Where such protection is otherwise provided by a combination tub/shower valve in accordance with Section P2708.4.

2018 PROPOSED CHANGES TO THE INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE

PSD6-18: Correction to Section 1203.14. The "5" after BOD (See highlighted text)

PSD6-18

Add new text as follows:

1203.14 Non-residential use. Advanced residential wastewater treatment systems certified to comply with Class I requirements of NSF 40 by an ANSI accredited third-party certification agency shall be considered for use to serve a non-residential property, provided that all of the following are met:

- 1. Total daily flows from the wastewater source into the plant are at least 75% of the rated hydraulic capacity and do not exceed the rated hydraulic capacity of the plant.
- Wastewater influent does not exceed the manufacturer's design specifications for BOD₅ loading as
 established by the ANSI accredited third-party certification agency to determine compliance with NSF 40
 during testing of the system.

2018 PROPOSED CHANGES TO THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE

WUIC8-18 - Withdrawn by Proponent

Proponent: David Tyree, American Wood Council, representing American Wood Council (dtyree@awc.org)

WUIC15-18 - Withdrawn by Proponent

Proponent: David Tyree, American Wood Council, representing American Wood Council (dtyree@awc.org)