



Technical Committee on Garages and Parking Structures

NFPA 88A Second Draft Meeting Agenda

**Friday, September 15, 2017
10:00 a.m. (EDT)**

Web/Teleconference (only)

Link to join Meeting: <https://nfpa.adobeconnect.com/rxhs94wi2t7f/>

Teleconference Number: 1-855-747-8824

Participant Passcode: 289151

1. Call to Order. Call meeting to order by Chair Mike Carsillo at 10:00 a.m. (Eastern) on Friday, September 15, 2017
2. Introduction of the Attendees. (For a current committee roster see page 2)
3. Chair's remarks – Mike Carsillo
4. Staff Comments (NFPA Procedural, etc.) - Allan Fraser
5. Approval of Minutes of the Nov. 7, 2016 First draft meeting at NFPA, Quincy, MA (see page 4)
6. Review of Public Comments for the June, 2019 edition of NFPA 88A
 - a. Five (5) public comments (see page 6)
 - b. Other Committee comments (if needed)
7. Other Business
8. Date and location of next meeting
9. Adjournment

Address List No Phone

07/27/2017

Allan Fraser

GAR-AAA

Garages and Parking Structures

Michael E. Carsillo Chair Stuart Fire Rescue 800 SE Martin Luther King, Jr. Blvd. Stuart, FL 34994	E 07/14/2004 GAR-AAA	Cecil Bilbo, Jr. Principal Academy of Fire Sprinkler Technology, Inc. 301 North Neil Street, Suite 423 Champaign, IL 61820-3170 National Fire Sprinkler Association Alternate: Peter T. Schwab	M 07/29/2013 GAR-AAA
Joseph E. Caldwell Principal AECOM 10 South Jefferson Street, Suite 1600 Roanoke, VA 24011-1333 Alternate: John M. Breen	SE 03/05/2012 GAR-AAA	Daniel A. Dahl Principal Morrison Hershfield Corporation 1455 Lincoln Parkway, Suite 500 Atlanta, GA 30346	SE 7/19/2002 GAR-AAA
Victor L. Dubrowski Principal Code Consultants, Inc. 2043 Woodland Parkway St. Louis, MO 63146-4235	SE 3/1/2011 GAR-AAA	Patrick T. Earley Principal New Brunswick Fire Department CFPS 7 Olden Terrace Hamilton, NJ 08610-2516	E 04/04/2017 GAR-AAA
Thomas J. Forsythe Principal JENSEN HUGHES 2950 Buskirk Avenue Suite 225 Walnut Creek, CA 94597-8862 Alternate: Patrick C. Ward	SE 1/1/1995 GAR-AAA	James W. Gaut Principal Marriott Vacations Worldwide 11667 Acosta Avenue Orlando, FL 32836-8821	U 12/08/2015 GAR-AAA
Troy Goldschmidt Principal Greenheck 400 Ross Avenue Wausau, WI 54476	M 04/04/2017 GAR-AAA	Gerhard Haag Principal Robotic Parking Systems Inc. 12812 North 60th Street Clearwater, FL 33760	M 3/21/2006 GAR-AAA
Todd W. Haines Principal Dallas/Fort Worth International Airport PO Box 610687 DFW Airport, TX 75261	U 7/23/2008 GAR-AAA	Eric J. Hall Principal City of Des Peres Department of Public Safety 1000 North Ballas Road Des Peres, MO 63131	E 1/14/2005 GAR-AAA
Jonathan Humble Principal American Iron and Steel Institute 45 South Main Street, Suite 312 West Hartford, CT 06107-2402 American Iron and Steel Institute Alternate: Farid Alfawakhiri	M 12/08/2015 GAR-AAA	Marshall A. Klein Principal Marshall A. Klein & Associates, Inc. 6815 Autumn View Drive Eldersburg, MD 21784-6304	U 1/1/1991 GAR-AAA

Address List No Phone

07/27/2017

Allan Fraser

GAR-AAA

Garages and Parking Structures

Jeffery P. McBride Principal EBL Engineers, LLC EBL Fire Engineering 8005 Harford Road Baltimore, MD 21234-5701 Alternate: Edward M. Fraczkowski	SE 9/30/2004 GAR-AAA	David A. Moore, Jr. Principal Glendale Fire Department 30 Village Square Glendale, OH 45246	E 10/3/2002 GAR-AAA
Somnath Mukherjee Principal Port Authority of New York & New Jersey Two Gateway Center, 16SW 100 Mulberry Street Newark, NJ 07102	U 7/29/2005 GAR-AAA	John Anthony Whaling Principal Protectowire Company, Inc. 60 Washington Street Pembroke, MA 02359	M 08/03/2016 GAR-AAA
Farid Alfawakhiri Alternate American Iron and Steel Institute 380 Cottonwood Lane Naperville, IL 60540-5020 American Iron and Steel Institute Principal: Jonathan Humble	M 12/08/2015 GAR-AAA	John M. Breen Alternate AECOM 10 South Jefferson Street Suite 1600 Roanoke, VA 24011-1333 Principal: Joseph E. Caldwell	SE 04/08/2015 GAR-AAA
Edward M. Fraczkowski Alternate EBL Engineers, LLC EBL Fire Engineering 8005 Harford Road Baltimore, MD 21234-5701 Principal: Jeffery P. McBride	SE 9/30/2004 GAR-AAA	Peter T. Schwab Alternate Wayne Automatic Fire Sprinklers, Inc. 222 Capitol Court Ocoee, FL 34761-3033 National Fire Sprinkler Association Principal: Cecil Bilbo, Jr.	M 08/03/2016 GAR-AAA
Patrick C. Ward Alternate Jensen Hughes/AON Fire Protection Engineering 5000 Executive Parkway, Suite 340 San Ramon, CA 94583 JENSEN HUGHES Principal: Thomas J. Forsythe	SE 7/19/2002 GAR-AAA	Allan Fraser Staff Liaison National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471	6/9/2003 GAR-AAA



**DRAFT MEETING MINUTES
OF
THE TECHNICAL COMMITTEE ON
GARAGES & PARKING STRUCTURES
First Draft Meeting
Quincy, MA
November 7, 2016**

Item 1, Call to Order

The First Draft Meeting of the Technical Committee on Garages & Parking Structures was convened by the Chair, Michael Carsillo at 8:00 a.m. EDT on Monday, November 7, 2016 at NFPA headquarters, Quincy, MA. Members also participated via Adobe Connect and conference call option.

Item 2, Introduction of Members and Guests

Chair, Michael Carsillo opened the meeting with welcoming remarks, and a roll call of meeting participants and guests was conducted.

The following Technical Committee Principal and Alternate members participated:

NAME	COMPANY
Michael Carsillo, Chair	Stuart Fire Rescue
Joseph Caldwell, Principal	AECOM
Daniel Dahl, Principal	Morrison Hershfield Corporation
Victor Dubrowski, Principal	Code Consultants, Inc.
James Gaut, Principal	Marriott Vacations Worldwide
Gerhard Haag, Principal	Robotic Parking Systems Inc.
Todd Haines, Principal	Dallas/Fort Worth International Airport
Jonathan Humble, Principal	American Iron and Steel Institute
Jeffery McBride, Principal	EBL Engineers, LLC
John Whaling, Principal	Protectowire Company, Inc.
Peter Schwab, Alternate to C. Bilbo, Jr.	Wayne Automatic Fire Sprinklers, Inc./Representing National Fire Sprinkler Association

The following Technical Committee Principal Members (whose Alternates did not attend) did not participate:

NAME	COMPANY
Thomas Forsythe	JENSEN HUGES
Eric Hall	City of Des Peres, MO Department of Public Safety
Marshall Klein	Marshall A. Klein & Associates, Inc.
Donald R. Monahan, Principal	Walker Parking Consultants,

	Inc./Representing National Parking Association
David A. Moore, Jr., Principal	Glendale Fire Department
Somnath Mukherjee, Principal	Port Authority of New York & New Jersey

The following NFPA staff participated:

Allan Fraser
Diane Matthews

The following Guests participated:

Joe Mele, NFPA
Patrick Foley, NFPA
Yiu Lee, NFPA

Item 3, Chair’s Remarks

The Chair provided a general overview of the agenda.

Item 4, Staff reviewed the NFPA’s procedures and the time line for this cycle

Item 5, The NFPA 88A September 30, 2013 Second Draft Meeting Minutes were approved as submitted.

Item 6, Review of Public Inputs for NFPA 88A

Thirty (30) Public Inputs were reviewed by the committee. Ten (10) First Revisions were generated.

Item 7, Future Meeting

The Public Comment period closed on May 10, 2017 with five (5) public comments submitted.

Item 8, Adjournment

On Monday, November 7, 2016 the meeting was adjourned at 3:00 p.m. by the Chair, Michael Carsillo.

Minutes prepared by Allan B. Fraser, CBI, CPCA, NFPA Staff Liaison



Public Comment No. 3-NFPA 88A-2017 [New Section after 5.2.1]

5.2.1.1 The 2 hour fire resistance rating shall be permitted to be reduced to 1 hour where the parking structure is protected throughout by an approved automatic sprinkler system.

Statement of Problem and Substantiation for Public Comment

PI 38 raised a valid concern. The 2 hour separation requirement in 88A is in conflict with the NFPA 101 separation requirement of table 6.1.14.4.1(b). The 101 table permits a 1 hour reduction when the building is protected by an approved automatic sprinkler system. The conflict between 101 and 88A should be reconciled either by accepting this Public Comment or Public Comment 4 which provides alternative language.

Related Item

PI 38

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck

Organization: Altamonte Springs Building/Fire Safety Division

Street Address:

City:

State:

Zip:

Submittal Date: Thu Apr 06 10:06:03 EDT 2017



Public Comment No. 4-NFPA 88A-2017 [Section No. 5.2.1]

5.2.1

Those parts of parking structures located within, immediately below, attached to, or less than 3 m (10 ft) from a building used for any other purpose shall be separated by walls, partitions, floors, or floor–ceiling assemblies having fire resistance ratings of ~~not less than 2 hours~~ as specified in table 5.2.1 , unless otherwise permitted by 5.2.2.

(Extract column "Storage, Low & Ordinary Hazard" from table 6.1.14.4.1(b) and associated notes from NFPA 101 into a new table 5.2.1.)

Statement of Problem and Substantiation for Public Comment

PI 38 raised a valid concern. The current 2 hour language in 5.2.1 is in direct conflict with the NFPA 101 provisions contained in table 6.1.14.4.1. This comment is submitted as an alternative approach to the language in public comment 3. Regardless of which approach is utilized, the conflict with NFPA 101 should be reconciled.

Related Public Comments for This Document

<u>Related Comment</u>	<u>Relationship</u>
Public Comment No. 3-NFPA 88A-2017 [New Section after 5.2.1]	Similar issue but different approach.
<u>Related Item</u>	
PI 38	

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck
Organization: Altamonte Springs Building/Fire Safety Division
Street Address:
City:
State:
Zip:
Submittal Date: Thu Apr 06 10:33:03 EDT 2017



Public Comment No. 5-NFPA 88A-2017 [Section No. 5.2.1]

5.2.1

Those parts of parking structures located within, immediately below, attached to, or less than 3 m (10 ft) from a building or another occupancy used for any other purpose shall be separated by walls, partitions, floors, or floor-ceiling assemblies having fire resistance ratings of not less than 2 hours, unless otherwise permitted by 5.2.2.

Statement of Problem and Substantiation for Public Comment

The current language in 5.2.1 appears to infer, unintentionally I believe, that only building to building fire resistance separation is required and not occupancy separation within one building. I don't believe the TC's intent is to only require building to building separation only. However, without the key term "occupancy" separation being specifically called out in this section, the language can easily be read to only be limiting to building to building separation. This related to the concept addressed in PI 38 as PI 38 was attempting to clarify the separation provisions in 5.2.1.

Related Item

PI 38

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck

Organization: Altamonte Springs Building/Fire Safety Division

Street Address:

City:

State:

Zip:

Submittal Date: Thu Apr 06 10:40:07 EDT 2017



Public Comment No. 2-NFPA 88A-2017 [Section No. 5.5.1]

5.5.1

For natural ventilation purposes, the exterior sidess of the structure shall have uniformly distributed openings on two or more sides.

Statement of Problem and Substantiation for Public Comment

This new Section is copied directly from the current INTERNATIONAL BUILDING CODE. It contains a grammatical error. There is no reason not to correct.

Related Item

First Revision No. 2-NFPA 88A-2016 [Section No. 5.5]

Submitter Information Verification

Submitter Full Name: BARNEY MULLIGAN

Organization: CITY OF DENVER Department of Fire

Street Address:

City:

State:

Zip:

Submittal Date: Sat Apr 01 16:52:30 EDT 2017



Public Comment No. 1-NFPA 88A-2017 [New Section after 5.5.4]

TITLE OF NEW CONTENT

NFPA 88A 5.5.5 Interior wall lines and column lines shall be at least 20 percent open, with openings distributed to provide ventilation.

Statement of Problem and Substantiation for Public Comment

The NFPA 88A First Revisions Report contains a total rewrite of Section 5.5 Opening Requirements for Open Parking Structures. The intention of the Committee is to provide full accordance with the INTERNATIONAL BUILDING CODE and the INTERNATIONAL FIRE CODE. The original Section 5.5.3, which matches the single sentence in the IBC and the IFC that regulates interior walls, was inadvertently omitted. Restore and retain the original: "Section 5.5.3 Interior wall lines and column lines shall be at least 20 percent open, with openings distributed to provide ventilation." Of course, it now must be renumbered from 5.5.3 to 5.5.5 Whereupon, the Committee will have accomplished full accordance.

Related Item

First Revision No. 2-NFPA 88A-2016 [Section No. 5.5]

Submitter Information Verification

Submitter Full Name: BARNEY MULLIGAN

Organization: CITY OF DENVER Fire Department

Street Address:

City:

State:

Zip:

Submittal Date: Thu Mar 02 16:04:32 EST 2017