

# STATE FIRE PREVENTION AND BUILDING CODE TECHNICAL SUBCOMMITTEE MEETING

## BUILDING CODE TECHNICAL SUBCOMMITTEE MEETING

Minutes of the October 9, 2012 teleconference meeting of the technical subcommittee reviewing the **2012 International Building Code** for adoption by New York State.

**PRESENT:** Mark Blanke (Chair)  
James Brzezinski  
Laura Cooney  
Mark Dedrick  
Timothy DeRuyscher  
Edward Hafer  
Gerard Hathaway  
Jody Nolan  
Blaise Parascandola  
Brian Tollisen

### MEETING MINUTES:

1. The meeting was called to order at 9:00 AM with all members present. The agenda was reviewed and approved.
2. The minutes of the October 2, 2012 meeting were reviewed and approved.
3. There were no public comments and no formal code change proposals presented from the public or the committee.
4. The Committee discussed the proposed changes made to Chapter 5 (General Building Heights and Areas) of the 2012 IBC as they compare with the current Building Code of New York State (BCNYS). The Committee expressed the following concerns and agreed to have follow-up discussions on these topics. The numbers in parentheses refer to item numbers identified on the summary chart of proposed significant changes.
  - (a) Section 506.5.2; concerning mixed occupancy area determination as it applies to buildings with more than three stories above grade plane. The Committee may consider modifications to clarify this provision.
  - (b) Section 506.2.1; concerning how to measure the width (W) of a public way or open

space for use in determining the building area modifications, i.e., whether it is measured from the building exterior wall or from the building projections. The Committee may consider modifications to clarify this provision.

- (c) Table 509 (5-08); concerning incidental uses and the deletion of the category for storage rooms over 100 square feet.
  - (d) Sections 510.5 (5-11) and 510.6 (5-12); concerning the permitted increase in height limitations for building of Types IIIA and IIA construction for Group R-1 occupancy.
  - (e) Table 503; concerning the reduction in the allowable number of stories of a building for Types IIB and IIIB construction and Groups B, M, S-1, and S-2 occupancies.
5. The Committee discussed the proposed changes made to Chapter 14 (General Building Heights and Areas) of the 2012 IBC as they compare with the current BCNYS. The Committee did not have any concerns with these changes.
  6. The Committee discussed the proposed changes made to Chapter 16 (Structural Design) of the 2012 IBC as they compare with the current BCNYS. The Committee did not have any concerns with these changes.
  7. The Committee discussed the proposed changes to Sections 308.3.1, 308.4.1, and 310.5.1 regarding occupancy groups I-1, I-2, and R-3 and facilities where five or fewer people are receiving custodial care and the coordination with the possible future sprinkler system requirement in the Residential Code of New York State (RCNYS). Ed Maher may offer a future proposal to address the coordination with the RCNYS.
  8. The Committee discussed adding a modified version of Table 1704.1 of the current BCNYS. The Committee accepted a motion from Jim Brzezinski that modified Section 1704.2.1 and Table 1704.2.1 as follows:

**1704.2.1 Special Inspection Qualifications.** The qualifications outlined in Table 1704.2.1 identify the minimum qualifications of the special inspector. The special inspector shall provide written documentation to the ~~building official~~ Code Enforcement Official demonstrating his or her competence and relevant experience or training. Experience or training shall be considered relevant when the documented experience or training is related in complexity to the same type of *special inspection* activities for projects of similar complexity and material qualities. These are in addition to qualifications specified in other sections of the code.

**Exception: The Code Enforcement Official can approve alternate qualifications**

for special inspectors.

The *Registered Design Professional in responsible charge* and engineers of record involved in the design of the project are permitted to act as the *approved agency* and their personnel are permitted to act as the special inspector for the work designed by them, provided they qualify as special inspectors.

**Table 1704.2.1 Minimum Qualifications for Special Inspectors**

Category	Code References	Minimum Qualifications
Reinforced Concrete	1704.4 Section 1705.3	<ol style="list-style-type: none"> <li>1. Current ICC Reinforced Concrete Special Inspector or ACI Concrete Construction Inspector.</li> <li>2. Concrete field testing can be by an ACI Concrete Field Testing Technician with Grade 1 certification.</li> <li>3. Engineer-in-Training (EIT) with relevant experience.</li> <li>4. New York State Licensed Professional Engineer (P.E.) with relevant experience.</li> </ol>
Prestressed Concrete	Table 1704.4 Section 1705.3 Table 1705.3	<p><b>Pretension Tendons</b></p> <ol style="list-style-type: none"> <li>1. Current ICC Reinforced Concrete certification and ICC prestressed concrete certification and ACI Concrete Field Testing Technician with Grade 1 certification plus one year relevant experience.</li> <li>2. EIT with relevant experience.</li> <li>3. P.E. with relevant experience.</li> </ol> <p><b>Post-tension Tendons</b></p> <ol style="list-style-type: none"> <li>1. Current Post-Tensioning Institute (PTI) certification.</li> <li>2. EIT with relevant experience.</li> <li>3. P.E. with relevant experience.</li> </ol>
Welding	<del>1704.3;</del> <del>Table 1704.3;</del> <del>Item 5;</del> <del>Table 1704.4;</del> <del>Item 2;</del> <del>1707.2; 2208</del> Section 1705.2.1 Table 1705.2.2	<ol style="list-style-type: none"> <li>1. Current AWS Certified Welding Inspector.</li> <li>2. Current ICC Structural Steel and Welding certificate plus one year of relevant experience.</li> <li>3. Current Level II certification from the American Society for Nondestructive Testing (NDT).</li> <li>4. <b>Current NDT Level III provided previously certified as NDT level II.</b></li> </ol>
<b>High-strength Bolting &amp; Steel Frame Inspection</b> Steel Construction	1704.3.3; <del>Table 1704.3</del> Section 1705.2	<ol style="list-style-type: none"> <li>1. Current ICC Structural Steel and Welding certification and one year of relevant experience.</li> <li>2. EIT with relevant experience.</li> <li>3. <b>P.E. with relevant experience.</b></li> </ol>
Masonry Construction	1704.5; Table 1704.5.1; Table 1704.5.3 Section 1705.4	<ol style="list-style-type: none"> <li>1. Current ICC Structural Masonry certification and one year of relevant experience.</li> <li>2. EIT with relevant experience.</li> <li>3. <b>P.E. with relevant experience.</b></li> </ol>

Sprayed Fire-Resistant Materials	<del>1704.14</del> Section 1705.13	<ol style="list-style-type: none"> <li>1. Current ICC Spray-Applied Fire Proofing certification and one year of relevant experience.</li> <li>2. EIT with relevant experience.</li> <li>3. <del>P.E. with relevant experience</del></li> </ol>
Excavation and Filling; Verification of Soils; Piling & Drilled Piers; Modular Retaining Walls Soils	<del>1704.7; 704.8; 1704.9; 704.13</del> Section 1705.6	<ol style="list-style-type: none"> <li>1. Current Level II certification in geotechnical engineering technology/construction from the National Institute for Certification in Engineering Technologies (NICET).</li> <li>2. EIT with relevant experience.</li> <li>3. <del>P.E. with relevant experience</del></li> </ol>
Inspection of Fabricators	<del>1704.2</del> Section 1704.2.5	<ol style="list-style-type: none"> <li>1. Precast: Current ICC Reinforced Concrete certification plus one year relevant experience.</li> <li>2. Bar Joist: see welding requirements.</li> <li>3. Metal Building: see welding requirements.</li> <li>4. <del>Structural Steel: see welding requirements.</del></li> </ol>
Exterior and Interior Architectural Wall Panels	<del>1704.10</del> Section 1705.11.5	<ol style="list-style-type: none"> <li>1. <del>P.E. with relevant experience.</del></li> <li>2. EIT with relevant experience.</li> <li>3. <del>See the masonry requirements for the SI of masonry veneers subject to BCNYS Section 704.10.</del></li> </ol>
Exterior Insulation and Finish System & Fire-Resistant Penetrations and Joints	<del>1704.12</del> Section 1705.15	<ol style="list-style-type: none"> <li>1. Registered Design Professional (RDP) with relevant experience.</li> <li>2. <del>EIT with relevant experience.</del></li> </ol>
Smoke Control	<del>1704.14</del> Section 1705	<ol style="list-style-type: none"> <li>1. See the requirements in BCNYS Section <del>1704.14.2-1705.17.2</del></li> <li>2. <del>The RDP responsible for design.</del></li> </ol>
Seismic Resistance	<del>1707; 1708</del> Section 1705.12	<ol style="list-style-type: none"> <li>1. See the applicable categories in this table.</li> </ol>

9. The Committee discussed Sections 1005.1 (10-01) and 1028.3 (BCNYS 1025.3) concerning the added requirement for an emergency voice/alarm communication system when increasing the egress capacity of stairs and other egress components and the current NYS modification for assembly spaces. Ed Haher agreed to provide a code change proposal to coordinate these sections for further discussion at a future meeting.
10. The Committee discussed the proposed changes to Section 1004.1.2 concerning the exception that allows the actual number of occupants to be used for determining the occupant load in lieu of Table 1004.1.2. The Committee decided not to change the New York State enhancement in the current BCNYS and not accept the 2012 IBC proposed change.
11. The Committee discussed the proposed changes to Sections 1007.3 and 1007.4 (10-02) concerning the proposed exception that would not require an area of refuge for buildings equipped throughout with an automatic sprinkler system; 1008.1.9.11 (10-07) concerning additional exceptions that would allow certain stairway exit doors to be locked at the

stairway side; and, 1008.1.9.9 (10-08) concerning the allowable use of electronically locked doors. The Committee decided to accept the IBC 2012 language.

12. The Committee discussed the proposed changes to Sections 1011.2 (10-15) concerning the new requirement for additional signs at the floor level in Group R-1 occupancy. The Committee will continue to review this proposal including any available commentary.
12. The Committee adjourned at about 11:30 AM.