



# OKLAHOMA

## Uniform Building Code Commission Staff Comment Form - [BEBF 40](#)

### BEBF Technical Committee

Review of the 2021 Editions of the International Building Code® (IBC®), International Existing Building Code® (IEBC®), International Fire Code®

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#### Code Change Information

Originating Committee: BEBF 2018

Code Modified: 2018 IBC

Original Comment Form Number: CCF-118R2

Rule Number: 748:20-2-22 (1), (2), and (3)

#### Which area of the code (Section, Table, Figure) was revised?

IBC Ch 17 Section 1704.2.1 and Table 1704.2

Page Number: 2021 IBC 17-2

#### Previous change:

**1704.2.1 Special inspector qualifications.** Prior to the start of construction, the approved agencies shall provide written documentation to the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and tests during construction. Experience or training shall be considered to be relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities. The special inspector shall be qualified in accordance with Table 1704.2. These qualifications are in addition to the qualifications specified in other sections of this code.

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 special inspectors for the work designed by them, provided they qualify as special inspectors.

**Table 1704.2**  
**Minimum Qualifications for Special Inspections**<sup>1, 2, 3</sup>

<b>Category of Inspection</b>	<b>Required Certification</b>
<u>High Strength Steel Bolting and Steel Erection</u>	<u>ICC Structural Steel and Bolting Special Inspector</u> <u>AWS/AISC Certified Structural Steel Inspector</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Steel Welding</u>	<u>ICC Structural Welding SI</u> <u>AWS Certified Welding Inspector</u>
<u>Nondestructive Testing</u>	<u>ASNT SNT-TC-1A, NDT Level II or III</u>
<u>Prestressed Concrete</u>	<u>ICC Prestressed Concrete Special Inspector</u> <u>PTI Level 1 Unbonded Post-Tension Inspector</u> <u>ACI Concrete Field Tech 1 Certification (for field testing only)</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Reinforced Concrete, Post-installed Structural Anchors</u>	<u>ICC Reinforced Concrete Special Inspector</u> <u>ACI Concrete Construction Special Inspector</u> <u>ACI Concrete Field Tech 1 Certification (for field testing only)</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Masonry Construction</u>	<u>ICC Structural Masonry Special Inspector</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Soils</u>	<u>NICET II</u> <u>ICC Soils SI</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Driven deep foundation, Cast-in place deep foundations, Helical pile foundations, Excavation</u>	<u>NICET II (geotechnical or construction, or construction material testing or soils)</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>
<u>Sprayed fire-resistant materials, Mastic and intumescent fire-resistance coatings</u>	<u>ICC Spray-applied Fireproofing Special Inspector</u> <u>UL approved Spray-applied Fireproofing Inspector</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u> <u>RA with relevant experience</u>
<u>Exterior insulation and finish systems (EIFS)</u>	<u>AWCI EIFS Inspector</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u> <u>RA with relevant experience</u>
<u>Fire-resistant penetrations and joints</u>	<u>UL approved firestop inspector</u> <u>FM approved firestop inspector</u> <u>Inspector otherwise approved by AHJ</u>
<u>Testing for smoke control</u>	<u>AABC technical certification</u> <u>EIT with relevant experience</u> <u>PE with relevant experience</u>

**Notes:**

1. The special inspector shall meet one of the required certifications listed for the applicable category of inspection.

2. Applicants shall comply with one of the following education and experience requirements in addition to the required certification:

- a. Oklahoma Professional Engineer or Oklahoma Registered Architect and a minimum of three months of relevant work experience
- b. Bachelor of Science Degree in Engineer, Architecture, or Physical Science and a minimum of six months of relevant work experience
- c. Two years of verified college or technical school and a minimum of one year of relevant work experience
- d. High school or equivalent graduate and a minimum of one year of relevant work experience
- e. A minimum of three years of verified relevant work experience

3. Oklahoma Professional Engineer or Oklahoma Registered Architect competent in the specific category are exempt from the required certifications listed in this table, but are subject to on-site assessment of competence by the authority having jurisdiction

4. Abbreviations in the table as noted below:

- a. AA stands for Associate of Arts (degree)
- b. AABC stands for Associated Air Balance Council
- c. ACI stands for American Concrete Institute
- d. ANSI stands for American National Standards Institute
- e. API stands for American Petroleum Institute
- f. ANST stands for American Society for Nondestructive Testing
- g. ASTM stands for American Society for Testing and Materials
- h. AWCI stands for Association of the Wall and Ceiling Industry
- i. AWS stands for American Welding Society
- j. BS stands for Bachelor of Science (degree)
- k. CWI stands for Certified welding inspector
- l. EIFS stands for Exterior insulation and finish system
- m. FM stands for Factory Mutual Global
- n. IAS stands for International Accreditation Service
- o. IBC stands for International Building Code
- p. ICC stands for International Code Council
- q. ICC-ES stands for ICC Evaluation Service
- r. NDT stands for Nondestructive testing
- s. NICET stands for National Institute for Certification of Engineering Technologists
- t. PE stands for Professional engineer
- u. RDP stands for Registered design professional
- v. SI stands for Special inspector
- w. SIA stands for Special inspection agency
- x. UL stands for Underwriters Laboratories
- y. EIT stands for Engineer in Training

### **Historical information:**

This change was initially made by the 2018 BEBF committee. The modification to Section 1704.2.1 and the added table provide the required minimum qualification and certifications of special inspection agency personnel. The change was an attempt to standardize special inspector qualifications in an effort to provide availability of an adequate pool of qualified and knowledgeable special inspectors and provide guidance to building inspectors in making judgement and final determination on qualified personnel. These changes are not part of the 2021 code.

Staff recommendation is to review the language and determine if it should be kept as written, modified or removed from the agency's rules.