

### 3. Qualification of Special Inspectors

Category	Code Reference	Minimum Qualifications
Inspection of Fabricators	IBC Section 1704.2	<ol style="list-style-type: none"> <li>1. If required, see below for type of fabrication.</li> <li>2. Fabricators authorized by the State of South Carolina under the Modular Construction Act.</li> </ol>
Steel Construction High-Strength Bolts	IBC Section 1704.3 IBC Section 1704.3.3	<ol style="list-style-type: none"> <li>1. Current ICC Structural Steel and Welding Certificate.</li> <li>2. Current AWS/AISC Certified Steel Structure Inspector.</li> <li>3. Current ICC Structural Steel and Bolting Special Inspector Certificate.</li> </ol>
Welding	IBC Section 1704.3.1	<ol style="list-style-type: none"> <li>1. Current American Welding Society (AWS) Certified Welding Inspector.</li> <li>2. Current AWS Certified Welding Educator.</li> <li>3. Current AWS Certified Welding Engineer.</li> <li>4. Current Canadian Welding Bureau Certified Welding Inspector.</li> <li>5. Current American Welding Society/American Institute of Steel Construction (AWS/AISC Certified Steel Structure Inspector.</li> <li>6. Current ICC Structural Welding Special Inspector Certificate.</li> </ol>
a) Nondestructive Testing of Welds	IBC Section 1704.3; Table 1704.3 (5); 1707.2	<ol style="list-style-type: none"> <li>1. Current Nondestructive Testing Level II or III               <ol style="list-style-type: none"> <li>a) Level II personnel shall be qualified in accordance with the American Society of Nondestructive Testing (ASNT) document SNT-TC-1A (current edition). Level II certification as determined by a level III examiner is required for each category.</li> <li>b) Level III Examiner shall be certified by ASNT unless all level II personnel have a current ASNT/ACCP certification. Only then will in-house designation of Level III nondestructive testing personnel be permitted.</li> </ol> </li> </ol>

Concrete Construction	IBC Section 1704.4	<ol style="list-style-type: none"> <li>1. Current International Code Council (ICC) Reinforced Concrete Special Inspector.</li> <li>2. Current American Concrete Institute (ACI) Concrete Field Testing Technician – Grade 1 Certification.</li> </ol>
Masonry Construction	IBC Section 1704.5	<ol style="list-style-type: none"> <li>1. Current ICC Structural Masonry certification.</li> <li>2. Professional Engineer.</li> </ol>
Wood Construction	IBC Section 1704.6	<ol style="list-style-type: none"> <li>1. Professional Engineer.</li> <li>2. Registered Architect.</li> </ol>
Soils Pile Foundations	IBC Section 1704.7 IBC Section 1704.8	<ol style="list-style-type: none"> <li>1. Current National Institute for Certification in Engineering Technologies (NICET) Level II certification in geotechnical engineering technology/construction.</li> <li>2. Registered Geologist.</li> <li>3. Registered Engineer.</li> </ol>
Wall Panels and Veneers	IBC Section 1704.10	<ol style="list-style-type: none"> <li>1. Professional Engineer.</li> <li>2. Registered Architect.</li> </ol>
Sprayed Fire-Resistant Materials	IBC Section 1704.11	Current ICC Spray-Applied Fire proofing certificate.
Prestressed Concrete <b>(PC)</b> Pretension Tendons <b>(PC1)</b>	IBC Table 1704.4, Items 8 and 10	<ol style="list-style-type: none"> <li>1. Current ICC Reinforced Concrete Certification.</li> <li>2. Current ACI Concrete Field Testing Technician Grade I Certification.</li> <li>3. Professional Engineer</li> </ol>

Post-tension Tendons <b>(PC2)</b> Post-Tension Slabs-on-Ground <b>(PTS)</b>		<ol style="list-style-type: none"> <li>1. Current Post-Tensioning Institute (PTI) Certification.</li> <li>2. Professional Engineer.</li> </ol>
Exterior Insulation and Finish System <b>(EIFS)</b>	IBC Section 1704.12	<ol style="list-style-type: none"> <li>1. Registered Architect.</li> <li>2. Professional Engineer.</li> <li>3. Current Association of Wall and Ceiling Industry (AWCI) EIFS Inspector Certification.</li> </ol>
Special Inspection for Smoke Control	IBC Section 1704.14	<ol style="list-style-type: none"> <li>1. Current NICET N-II-FPAS certification.</li> <li>2. Current NICET N-II-FPFA certification.</li> <li>3. Current National Environmental Balancing Bureau certification.</li> <li>4. Current Associated Air Balance Council certification.</li> </ol>
Quality Assurance for Seismic Resistance	IBC Section 1705	Professional Engineer
Quality Assurance for Wind Requirements	IBC Section 1706	Professional Engineer
Special Inspections for Seismic Resistance	IBC Section 1707	Professional Engineer
a. Mechanical and Electrical Components	IBC Section 1707.7	
Structural Testing for Seismic Resistance	IBC Section 1708	Professional Engineer
Structural Observations	IBC Section 1709	Professional Engineer
Design Strengths of Materials	IBC Section 1710	Professional Engineer
Alternative Test Procedure	IBC Section 1711	Professional Engineer

Test Safe Load	IBC Section 1712	Professional Engineer
In-Situ Load Tests	IBC Section 1713	Professional Engineer
Pre-construction Load Tests	IBC Section 1714	Professional Engineer
Material and Test Standards	IBC Section 1715	Professional Engineer