

**TABLE 1704.1 MINIMUM SPECIAL INSPECTOR QUALIFICATIONS**

Category of Testing and Inspection	Minimum Qualifications (refer to key at end of Table)			
	Shop Inspection	Field Inspection/ Review	Review Submittals	Review Testing, Certification, & Lab Reports
<b>1704.2 Inspection of Fabricators</b>				
Pre-cast Concrete	A, C, D, E			
Structural Steel Construction	C, F, G			
Wood Construction	A			
Cold Formed Metal Construction	A			
<b>1704.3 &amp; 1707.2 Steel Construction</b>				
Welding	C, F, G	C, F, G	A	A, B
High Strength Bolting, Inspection of Steel Frame Joint Details		A, C	A	A, B
<b>1704.4 &amp; 1708.3 Concrete Construction</b>				
Reinforcing Placement, Cast-in-Place Bolts, Pre-stressing Steel installation, Concrete and Shotcrete Placement and curing operations		A, C, H, I		
Erection of pre-cast concrete members		A, C, H		
Concrete Field Testing		A, I, J, H, C		
Review certified mill reports and design mixes			A	
Review use of Required Design Mix		A, I, J, H, C		
Pre-stressed (pre-tensioned) concrete force application	A, C, E			
Post-tensioned concrete force application		A, C, D		
Review of in-situ concrete strength, prior to stressing post-tensioned concrete			A	
Reinforcing steel weldability, reinforcing welding, weld filler material		C, F, G		
<b>1704.5 &amp; 1708.1 Masonry</b>				
Review $f'_m$ prior to construction			A	
Mortar joint construction, grout protection and placement, materials proportion, type/size/location of reinforcement, structural elements, anchorage, and connectors		A, C, K, L		
Sampling/Testing of Grout/Mortar specimens		A, C, (J + M)		
Observe preparation of masonry prisms for testing of compressive strength of masonry, $f'_m$		A, C, K, L		
Inspection of welding of reinforcing steel		C, F, G		
<b>1704.7 &amp; 1803 Soils</b>				
Observe Site Preparation and Fill Placement with Testing of Compaction for compliance with the Geotechnical Report for the project		A, I		
Observe and Test Bearing Materials below Shallow Foundations for ability to achieve design bearing capacity		A, N		
Review Compaction Testing for compliance with the Geotechnical Report for the project				A

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	Shop Inspection	Field Inspection/ Review	Review Submittals	Review Testing, Certification, & Lab Reports
<b>1704.8, 1704.9 &amp; 1807 Pile and Pier Foundations</b>				
Observe Installation		A, N		
Observe Load Tests		A		
<b>1704.10 Sprayed Fire-Resistant Materials</b>				
Observe surface conditions, application, average thickness and density of applied material, and cohesive/adhesive bond		A, C		
<b>1704.11 Mastic and intumescent fire-resistant coatings</b>				
Observe application compliance with AWCI 12-B		A, C		
<b>1704.12 Exterior Insulation and Finish Systems</b>				
Inspect EIFS Systems		A, B, C, O		
<b>1704.13 Special Cases</b>				
Work of unusual or special nature		A, B, O		
<b>1704.14 Smoke Control</b>	<i>See Requirements of IBC Section 1704.14.2.</i>			
<b>1705, 1707 &amp; 1708 Seismic and Wind Resistance</b>				
Periodic inspection of fabrication, installation and/or anchorage of building systems and components		A		

**KEY:**

- A. Georgia Professional Engineer (GA PE) competent in the specific task area or graduate of accredited engineering/engineering technology program under the direct supervision of a GA PE.
- B. Georgia Licensed Architect (GA RA) or graduate of accredited architecture/architecture technology program under the direction of a GA RA.
- C. International Code Congress (ICC) Special Inspector Certification specific to the particular material and testing methodology applicable to each Category of Testing and Inspection listed in the table.
- D. Post-tensioning Institute (PTI) Certification.
- E. Pre-stressed Concrete Institute (PCI) Certified Inspector.
- F. American Welding Society (AWS) Certified Welding Inspector (CWI) or AWS Certified Associate Welding Inspector working under the direct on-site supervision of a CWI.
- G. American Society for Nondestructive Testing (ASNT) Level II certification, or Level III certification previously certified as Level II specific to the particular material and testing methodology applicable to each Category of Testing and Inspection listed in the table.
- H. American Concrete Institute (ACI) Concrete Construction Special Inspector.
- I. National Institute for Certification of Engineering Technicians (NICET) Level II or III certification specific to the particular material and testing methodology applicable to each Category of Testing and Inspection listed in the table.
- J. ACI Concrete Field Testing Technician with Grade I certification
- K. Georgia Concrete and Product Association (GC&PA) – Masonry Association of Georgia (MAG) Masonry Construction Inspector Certification.
- L. National Concrete Masonry Association (NCMA) Concrete Masonry Testing Procedures certification.
- M. GC&PA – MAG Masonry Testing Technician certification.
- N. NICET Certified Engineering Technologist (CT).
- O. Other Qualified Special Inspector as approved by the Building Official.

**Notes:**

*The minimum qualifications shown are either one or the other per category (not all) unless otherwise stated. Materials testing shall be done by an Approved Testing Agency meeting the requirements of IBC Section 1703 and ASTM – E329.*

*The Building Official is authorized to approve Special Inspectors who have documented relevant experience and are progressing towards achieving the minimum qualifications noted above prior to January 1, 2008.*