

Minimum Qualifications for Special Inspectors (Personnel):

1. Special inspectors must be employed by an accredited agency (office / laboratory).
2. Special Inspectors must maintain certifications / accreditations for the materials testing and special inspections they will perform per the following table:

SPECIAL INSPECTION CATEGORY	REQUIRED CERTIFICATION(S)
1. Earthwork / Soils	
1A. Geotechnical Engineering Geotechnical Engineer to verify his/her recommendations have been implemented prior to installation of foundation concrete.	Registered Geotechnical Professional, Design Professional or Building Official Approval
1B. Site Soils * (Per geotechnical report and construction documents prepared by the registered design professional)	WAQTC Aggregate, WAQTC Embankment & Base, ICC Soils, and/or NICET Soils Level 1
1C. Deep and Pile Foundations (Driven or cast-in-place deep foundations and helical piers)	Verification that recommendations are followed. Design Professional or Building Official Approval.
2. Concrete	
2A. Reinforced Concrete *	ACI Field Technician – Grade I and ICC Reinforced Concrete Special Inspector and/or WABO Reinforced Concrete (RC)
2B. Anchors Cast in Concrete *	ICC Reinforced Concrete Special Inspector and/or WABO Reinforced Concrete (RC)
2C. Post-Installed Anchors in Hardened Concrete*	ICC Reinforced Concrete Special Inspector, WABO Proprietary Anchors (PA), Approval by Building Official
2D. Pre-Stressed Concrete / Post Tensioned Concrete *	ICC Pre-Stressed Concrete and/or WABO Prestressed Concrete (PC) or PCI Pre-Cast/Pre-Stressed Quality Control Technician/Inspector Level I or II, if Project Specifications Require PCI Certification
2E. Shotcrete	ICC Reinforced Concrete Special Inspector, WABO Shotcrete (SC) and/or Building Official Approval
3. Masonry	
3A. Structural Masonry *	ICC Structural Masonry and/or WABO Structural Masonry (SM)
4. Structural Steel	
4A. Structural Steel Welding *	AWS Certified Welding Inspector (CWI); ICC Structural Steel & Welding and/or WABO Structural Welding (SW)
4B. Certified Welding Inspection (as per plans)	AWS Certified Welding Inspector
4B. Non-Destructive Testing - Level II	ASNT SNT-TC-1A, Level II (Submit written practice & NDT procedures)
4C. Non-Destructive Testing - Level III	ASNT SNT-TC-1A, Level III (Submit written practice & NDT procedures)
4D. In-House Inspection of Non-Approved Fabricator Shop (Steel, Pre-Stressed,	Approval by Building Official

Post-Tensioned Structural Concrete, and Wood Structural Elements)	
4E. Cold-Formed Steel Framing*	WABO Cold-Formed Steel Framing (CF), ICC Structural Steel Welding and/or WABO Structural Steel and Bolting, WABO Structural Welding, Approval by Building Official (Fabricator does not need to be certified for manufacturing purposes)
5. Bolting	
5A. High-Strength Bolting * (During all bolt installations and tightening operations)	ICC Structural Steel & Bolting and/or WABO Structural Steel & Bolting (SSB)
6. Fire Resistant Materials	
6A. Sprayed Fire Resistant * Materials (Special inspections shall be performed after the rough installation of electrical, automatic sprinkler, mechanical and plumbing systems, and suspensions systems for ceilings, where applicable.)	ICC Spray-Applied Fireproofing and/or WABO Spray-Applied Fire-Resistive Materials (FP)
6B. Mastic and Intumescent Fire Resistant Coatings (in accordance with AWCI 12-B and approved construction drawings)	ICC Spray-Applied Fireproofing and/or WABO Spray-Applied Fire-Resistive Materials (FP)
6C. Fire Resistant Penetrations and Joints (In high-rise and Risk Category III & IV buildings)	Building Official Approval
6D. Smoke Control (Testing Scope: 1. During erection of ductwork and prior to concealment for purposes of leakage testing and device location. 2) Prior to occupancy for the purposes of pressure testing, flow measurements, detection and control verification)	Building Official Approval
7. MISCELLANEOUS	
7A. Wood Construction (High-load diaphragms and metal-plate- connected wood trusses spanning 60 ft. or greater)	WABO Lateral Wood (LW) or Building Official Approval
7B. Wall Panels and Veneers	Building Official Approval
7C. Special Cases (Work that is, in the opinion of the Building Official, unusual in nature, alternatives to prescribed code, materials or methods that present an unusual hazard of condition, etc.)	Building Official Approval
7D. Exterior Insulation and Finish Systems	Building Official Approval

* Indicates only ONE of the listed certifications is required.

Minimum Qualifications for Special Inspection Agency (Office/Laboratory):

1. Inspection agencies must maintain current laboratory accreditation for ASTM E329 (Standard Specification for Agencies Engaged in Construction Inspection and/or Testing) from a national accreditation entity. In addition, Inspection agencies must maintain accreditation for the subcategory standards for which they offer services. The following table presents the subcategories relative to construction materials testing and special inspections.

E329 STANDARD SPECIFICATION FOR AGENCIES ENGAGED IN CONSTRUCTION INSPECTION, TESTING OR SPECIAL INSPECTION

Subcategories of ASTM E 329	
C 1077	Standard Practice for Agencies Testing Concrete and Concrete Aggregate for Use in Construction and Criteria for Testing Agency Evaluation
C 1093	Standard Practice for Accreditation of Testing Agencies for Masonry
D 3666	Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
D 3740	Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
E 605	Standard Test Methods for Thickness and Density of Sprayed Fire Resistive Material (SFRM) Applied to Structural Members
	The American Society for Non-Destructive Testing (ASNT) SNT-TC-1A or as an option
E 543	Standard Specification for Agencies Performing Non-Destructive Testing (optional to have)

Examples of National Laboratory Accreditation Entities:

- American Association of State Highway and Transportation Official (AASHTO) AMRL Accreditation Program
- American Association for Laboratory Accreditation (A2LA) Program
- International Accreditation Service (IAS)
- National Voluntary Laboratory Accreditation Program (NVLAP)

**Agencies who perform Welder Qualifications (only one option is required)

WABO Approved Welder Examiner/Examiner Facility**

WABO	Agency must be an WABO Approved Welder Examiner Facility
	Examiner must be a WABO Approved Welder Examiner

AWS Approved Welder Examiner/Examiner Facility

AWS	Agency must be an AWS Accredited Facility
	Examiner must be a Certified Welding Inspector