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## Special Inspection Procedure - IBC Chapter 17

### When Required

All projects that require a South Carolina licensed Architect or Engineer per SC Architectural and Engineering registration law and IBC 1704.

### Overview

The program consists of four basic forms, which must be filled out by the SC Design Professional in Responsible Charge and submitted to the building department. The *Statement of Special Inspections*, *Checklist of Required Special Inspection Reports*, *Contractor Statement of Responsibility & Owner's Acknowledgement of Special Inspections* must be submitted at the time of application for Plan Review. Copies of all inspector's license should be submitted in accordance with IBC Section 1704.2.1. The *Final Report of Special Inspections* is to be placed at the jobsite with all the interim reports upon completion of the project and made available to the Building Inspector prior to the Final Building Inspection.

### Statement of Special Inspections

This form provides the general information about the project and identifies the SC Design Professional in Responsible Charge as required in IBC Section 107.3.4. This form is submitted as a condition for permit issuance and as a commitment to Special Inspections.

### Checklist of Required Inspection Reports

These forms are to be filled out by the SC Design Professional in Responsible Charge by checking the boxes of the required inspections specific to the project. The names of the individuals or firms providing these inspections will be entered at this time. The qualifications for the inspector will be specific to the inspection performed. The minimum qualifications will be as listed by the South Carolina Building Code Council Special Inspection Manual document, or as approved by the Building Official. The forms will be reviewed by the City of Goose Creek Plan Review Department for completeness.

### Interim Reports

These reports are the results of the required inspections and must be performed by the individuals designated by the SC Design Professional in Responsible Charge.

All interim reports generated from the inspections must be kept on the jobsite in a binder with the City of Goose Creek approved drawings and contain the following information:

- The project name and Permit Number.
- The project address.
- The name address and phone number of the individual/firm performing the inspection and generating the report.
- The IBC Section or Table number of the inspection. The criteria for each inspection must be performed as outlined in the appropriate code section or table. Some inspections are periodic, some are continuous, and others are performed only once. When tables are referenced all criteria in the table must be addressed.

Weekly reports shall be submitted to the building official and the architect/engineer of record until all work is complete.

### Final Report of Special Inspections

The SC Design Professional in Responsible Charge shall collect final inspection reports from all inspections requiring more than one inspection then fill out the *Final Report of Inspections*. This report is certifying that all required inspections have been performed and all corrections have been made. The report is then put with the interim reports in the binder on the jobsite prior to requesting a Final Building Inspection.



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## SPECIAL INSPECTOR QUALIFICATIONS

### INTRODUCTION

This policy sets forth the minimum qualification requirements for individuals and firms offering Special Inspection services. Nothing in this policy prevents the project owner or the registered design professional in responsible charge, acting as the owner's agent, from requiring qualifications above those identified herein.

An approved agency shall employ experienced personnel educated in conducting, supervising, and evaluating tests and/or inspections.

Firms offering special inspection services for projects and fabrications located in South Carolina shall be licensed, registered, or certified by either; the South Carolina Board of Architectural Examiners, the South Carolina Contractors Licensing Board or the South Carolina Board of Professional Engineers and Land Surveyors in accordance with South Carolina Code of Laws, Title 40, Chapter 26.

Any questions or correspondence regarding special inspections should be directed to the building official for the jurisdiction in which the project will be located.

This Special Inspection Policy in no way relieves any participant from the proper performance of work according to contract documents and applicable codes, standards, and regulations.

### INSPECTION OF FABRICATORS

#### Fabrication and Implementation Procedures

ISO 9000 Lead Quality Assurance Auditor and meet the applicable special inspector qualification requirements identified herein

#### Fabricator Approval

ISO 9000 Lead Quality Assurance Auditor and meet the applicable special inspector qualification requirements identified herein

The following fabricator certifications are considered sufficient.

#### Metal Building Fabrication

Current American Institute of Steel Construction - Metal Building Systems Certification

#### Precast Concrete Fabrication

Current National Precast Concrete Association Plant Certification

#### Prefabricated Trusses

Current Truss Plate Institute Certification

#### Steel Bar Joist Fabrication

Current Steel Joist Institute Certification



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### **Structural Steel Fabrication**

Current American Institute of Steel Construction - Conventional Steel Building Structures

Current American Institute of Steel Construction - Complex Steel Building Structures Current

American Institute of Steel Construction - Simple Steel Bridges

Current American Institute of Steel Construction - Major Steel Bridges

### **QUALIFICATION OF SPECIAL INSPECTORS**

The special inspector shall be a qualified person licensed in accordance with the requirements of the State of South Carolina Labor, Licensing and Regulation Department. The qualifications of all personnel new to an agency shall be provided to and approved by the building official before being assigned to any project.

Except for professional engineers and architects registered in the State of South Carolina, special inspectors shall have a license. The following is the current minimum requirements to obtain a license.

#### **Steel Construction**

##### **Welding**

Current American Welding Society (AWS) Certified Welding Inspector or Current

Canadian Welding Bureau Certified Welding Inspector

##### **Nondestructive Testing of Welds**

Current Nondestructive Testing Level II or III (Magnetic Particle Testing, Liquid Penetrate Testing, Ultrasonic Testing or Radiographic Testing)

(1) Level II personnel shall be qualified in accordance with the American Society of Nondestructive Testing (ASNT) to perform Magnetic Particle Testing, Liquid Penetrant Testing and Ultrasonic Testing, or

(2) Level II certification as certified by a Level III examiner to perform Magnetic Particle Testing, Liquid Penetrant Testing and Ultrasonic Testing. Level III Examiner shall be certified by ASNT and must submit a copy of his certification with the Level II certification.

##### **Steel Frame Inspection/High-Strength Bolting**

Current International Code Council (ICC) Structural Steel and Bolting Inspector

#### **Concrete Construction**

##### **Reinforced Concrete**

Current ICC Reinforced Concrete Special Inspector or

South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE

##### **Prestressed Concrete - Pretension tendons**

Current ICC Reinforced Concrete Certification or

South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE



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**Prestressed Concrete - Post-tension tendons**

Current Post-Tensioning Institute (PTI) Certification Level I or  
South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE

**Prestressed Concrete - Post-Tension Slabs-on-Ground**

Current PTI Certification Level I or  
South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE

**Precast Concrete Erection**

The special inspector shall be registered for Reinforced Concrete or Welding as required based on the type of inspection being performed

**Structural Masonry Construction**

Current ICC Structural Masonry certificate and one-year related experience or  
South Carolina Engineer in Training (EIT) with one-year related experience including plan reading under supervision of a licensed PE

**Modular Retaining Walls**

South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE

**Soils****Excavation and Filling/Verification of Soils**

Current National Institute for Certification in Engineering Technologies (NICET) Level II certification in geotechnical engineering technology/construction or Current NICET Level II in soils or South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE or Soils Special Inspector or Current SCDOT Earthwork, Drainage and Base Certification

**Deep Foundations**

Current NICET Level II certification in geotechnical engineering technology/construction or  
South Carolina Engineer in Training (EIT) with one-year related experience under supervision of a licensed PE or  
Current SCDOT Foundation Inspector Certification

**Sprayed Fire-Resistant Materials**

Current ICC Spray-Applied Fire Proofing certificate



### **Smoke Control**

Current NICET N-II-FPAS or Current  
NICET N-II-FPFA or  
Current National Environmental Balancing Bureau or  
Current Associated Air Balance Council

### **Exterior Insulation and Finish System**

South Carolina EIT with one-year related experience

### **Special Cases**

Approval on a case-by-case basis

Note: This standard form is created by the Goose Creek Building Inspection Division. The contractor or builder of the project referenced herein may use this form to conform to the requirement of Section 1704 of the 2021 International Building Code. [Revision Date: January 19, 2023]