

BEAUFORT COUNTY SPECIAL INSPECTION PROCEDURE

IBC CHAPTER 17 2015 EDITION

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 inspectors license should be submitted in accordance with 2015IBC Section 1704.2.1. The *Final Report of Special Inspections* is to be send to Building department with all the interim reports, and made available to the building department prior to the Final Building Inspection and, prior each individual 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 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 preformed. The minimum qualifications will be as listed by the South Carolina Building Code Council Special Inspection Manual document, or as approved by the Department Engineer- Building Official. The forms will be reviewed by the Beaufort County Plan Review Department for completeness.

Interim Reports

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

All interim reports generated from the inspections must be send (mail/email/fax) to Beaufort County prior County's regular inspection, 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 preformed as outlined in the appropriate code section or table. Some inspections are periodic, some are continuous, and others are preformed only once. When tables are referenced all criteria in the table must be addressed.

Reports shall be submitted to the department Engineer 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 preformed and all corrections have been made. The report is then send with the interim reports to building department prior to requesting a Final Building Inspection.

STATEMENT OF SPECIAL INSPECTIONS

Project: _____ Application No. _____

Project location: _____

Project Owner: _____

Address: _____

SC Registered Design
Professional in Responsible Charge: _____

Firm (optional): _____

License Number: SC _____ Phone: _____ Fax: _____

Address: _____

Project Architect: _____

Firm (optional): _____

License Number: SC _____ Phone: _____ Fax: _____

Address: _____

Project Structural Engineer: _____

Firm (optional): _____

License Number: SC _____ Phone: _____ Fax: _____

Address: _____

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection requirements of the International Building Code. It includes a Schedule of Special Inspection Services applicable to this project as well as the name of the Special Inspector(s) and the identity of other approved agencies that are to be retained for conducting these inspections.

The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Design Professional in Responsible Charge and the Department Engineer-Building Official. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Design Professional in Responsible Charge and the Department Engineer- Building Official. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Prepared by:

Type or print name

Signature Date

Accepted by:

Type or print name

Signature Date

Individual Seal

Firm Seal

CONTRACTOR'S STATEMENT OF RESPONSIBILITY

FOR WORK REQUIRING SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS AND CONSTRUCTION MATERIAL TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

Pursuant to Section 1704, Chapter 17 of the 2015 International Building Code, the contractor identified herein is responsible for the construction of main wind or seismic force resisting system, designated seismic system or wind or seismic resisting components listed in the statement of special inspections of this project and; is hereby submitting this statement of responsibility to the building official of the jurisdiction having authority over this permit and to the owner of this project.

Permit No: _____

Project Address: _____



Contractor's Company Name: _____

State of South Carolina Contractor's License Number: _____ **Expiration Date:** _____

Name (Type or Print): _____
(First) (M.I.) (Last)

Title/ Position in the Contractor's/Builder's Organization: _____

Mailing Address: _____

Email: _____ **Phone:** _____

- 1. I acknowledge and am aware of special requirements contained in the statement of special inspections**
- 2. I acknowledge that control will be exercised to obtain conformance with the construction documents approved by the Department Engineer- Building Official**
- 3. I will have in place procedures for exercising control within our (the contractor's/builder's) organization for the method and frequency of reporting and the distribution of the reports**
- 4. I certify that I will have a qualified person within our (the contractor's/builder's) organization to exercise such control**

Signature: _____

Date: _____

OWNER'S ACKNOWLEDGEMENT OF SPECIAL INSPECTIONS

Project Name: _____

Project Address: _____

Owner's Name/Company: _____

Owner's Address: _____

Owner's Phone: _____ Owner's Fax: _____

Owner's Email: _____

SC Registered Design Professional: _____

License Number: SC _____ Phone: _____ Fax: _____

Address: _____

Email: _____

By signing this acknowledgement I understand that the SC Registered Design professional in charge and all SC registered special inspectors are hired by myself being listed as the owner of the above referenced project at the above reference address and/or my authorized agent as approved by the Department Engineer-Building Official pursuant to the International Building Code Section 1704 and the South Carolina Building Codes Council.

Signature

Date

Print Name

CHECKLIST OF REQUIRED SPECIAL INSPECTION REPORTS & INDIVIDUALS PERFORMING INSPECTIONS

Project _____ Application No. _____

Project location: _____

- Concrete** IBC Table 1705.3
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Exterior Insulation and Finish Systems (EIFS)** IBC Section 1705.15
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Fabricator** ISO 9000 Lead Quality Assurance Auditor. IBC 1704.2.5
Accrediting Agency: _____ Phone: _____
- Metal Building Fabrication**
Accrediting Agency: _____ Phone: _____
- Precast Concrete Fabrication**
Accrediting Agency: _____ Phone: _____
- Prefabricated Trusses**
Accrediting Agency: _____ Phone: _____
- Steel Bar Joist Fabrication**
Accrediting Agency: _____ Phone: _____
- Structural Steel Fabrication**
Accrediting Agency: _____ Phone: _____
- Masonry** IBC 1705.4
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Mastic and Intumescent fire-Resistant Coatings** IBC Section 1705.15
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Site Welding** IBC Table 1705.2.2
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Soils** IBC Sections 1705.6 through 1705.9
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____
- Fill Placement** IBC 1804.5
Individual Name: _____ Phone: _____
SC Registration Number: _____ Classification: _____

- Driven Deep Foundations** IBC 1705.7
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Cast In Place Deep Foundations** IBC Section 1705.8
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Helical Pile Foundations** IBC Section 1705.9
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Special Cases** IBC Section 1705.1.1
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Special Inspection for Smoke Control** IBC Section 1705.17.1 through 1705.17.2
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Special Inspections for Seismic Resistance** IBC Section 1704.6.1
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Structural Steel** IBC Section 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Structural Wood** IBC Section 1705.11
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Cold Formed Steel Light Framing** IBC Section 1705.11.3
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Storage Racks** IBC Section 1705.12.7.
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Architectural Components and Access Floors** IBC Section 1705.11.5 and 1705.11.5.1
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Mechanical and Electrical Components** IBC Section 1705.11.6
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Designated Seismic System Verification** IBC Section 1705.11.4
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

- Sprayed Fire Resistance Materials** IBC Section 1705.13 through 1705.13.6
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Steel Frame** IBC Table 1705.2.1
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Structural Observations** IBC Section 1704.6
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Testing and Qualification for Seismic Resistance** IBC Section 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Concrete Reinforcement** IBC Section 1705.12.1 as required by 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Structural Steel** IBC Sections 1705.12.2 as required by 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Seismic Certification of Nonstructural Components** IBC Section 1705.12.3 as required by 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Seismic Isolation Systems** IBC Section 1705.12.4 as required by 1705.12
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Wood Construction** IBC 1705.5
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Fire-resistant penetrations and joints** IBC 1705.17
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____
- Exterior insulation and finish system (EIFS)** IBC 1705.16
 Individual Name: _____ Phone: _____
 SC Registration Number: _____ Classification: _____

Prepared by: _____ SC License No. _____

Approved by: _____ Date _____

FINAL REPORT OF SPECIAL INSPECTIONS

Project: _____ Application No.: _____

Project location: _____

Project Owner: _____

Address: _____

SC Registered Design
Professional in Responsible Charge: _____

Firm (optional): _____

License No.: SC _____ Phone: _____ Fax: _____

Address: _____

To the best of my information, knowledge, and belief, the Special Inspections and/or Testing requirements for this project, and designated for this Agent in the *Checklist of Required Inspection Reports*, *Checklist of Quality Assurance Plan* and the *Checklist of Required Testing* submitted for permit, have been completed in accordance with the contract documents.

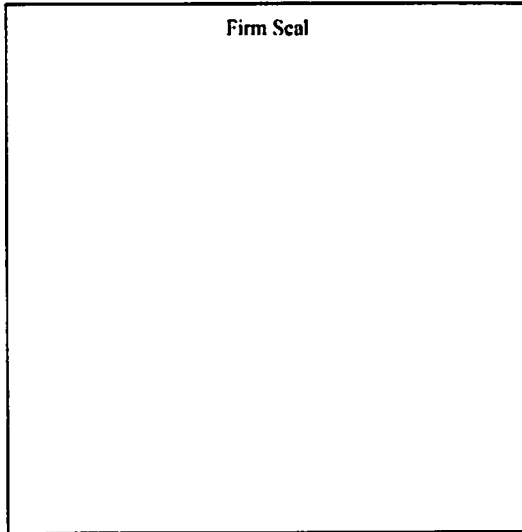
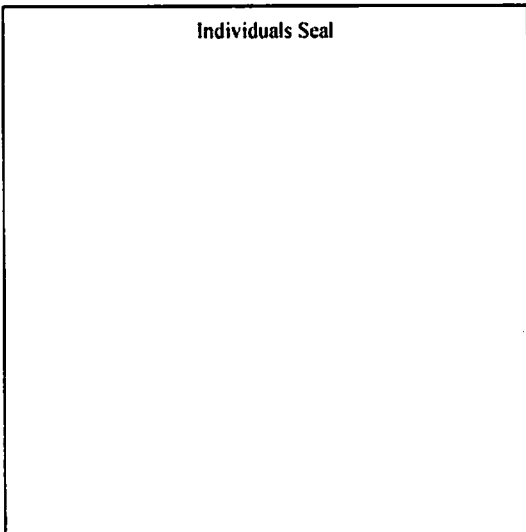
Interim reports submitted prior to this *Final Report of Inspections* form a basis for, and are to be considered an integral part of this Final Report. All discrepancies that were outstanding in all of the Interim reports have been corrected.

Prepared by:

Type or print name

Firm (optional)

Signature Date



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 regulation.

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

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

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