



# MEMO

To: All Interested Parties

From: TNSEA Codes Advisory Committee

Date: January 25, 2013

Re: Public Review of *TNSEA 1-13 Special Inspections Guide for Tennessee*

The Codes Advisory Committee (CAC) of the Tennessee Structural Engineers Association has completed a guide for the implementation of Special Inspections as required by the International Building Code. This document is titled *TNSEA1-13 Special Inspections Guide for Tennessee*. There will be a public review period beginning on January 25, 2013 and ending on February 25, 2013. Any comments related to the document must be submitted electronically to [CAC.MTNSEA@gmail.com](mailto:CAC.MTNSEA@gmail.com) using the attached form by February 25, 2013. Failure to do so may prevent your comments from being considered by the CAC. The form and full document may be obtained by visiting our website at [www.tn-sea.org](http://www.tn-sea.org).



## TNSEA Proposal to Revise Document

Name of Document: *TNSEA 1-13 Special Inspections Guide for Tennessee*

Submitted by:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Email

Submission Date:

**Section and Line Numbers:**

**Proposal for Change:** (please use strike-out and underline format)

**Reason for Proposal:** (a reasons statement providing the rationale for the proposed change must be provided – attach additional pages if necessary)

Proposals for changes to the *Special Inspections Guide for Tennessee* must be submitted using this form and are to be submitted electronically to [CAC.MTNSEA@gmail.com](mailto:CAC.MTNSEA@gmail.com) by February 25, 2013.

Tennessee Structural Engineers Association  
P.O. Box 40711  
Nashville, TN 37204

# Special Inspections Guide for Tennessee

TNSEA 1-13

March | 13



## Preface

The Special Inspections Guide for Tennessee (SIGTN) is intended to be an introduction to and guide for the implementation of Special Inspections as defined in Chapter 17 of the International Building Code. Since there is a range of adopted building codes in Tennessee, the committee has written the document to meet the requirements of the 2006, 2009 and 2012 editions. In the event of a conflict, the adopted building code shall govern. The SIGTN lists individual parties' responsibilities in the Special Inspection process. The parties include owners; architects; structural engineers; mechanical, electrical and plumbing engineers; other design professionals; building officials; contractors; and special inspectors.

The SIGTN was created by the Code Advisory Committee of the Middle Tennessee Structural Engineers Association (MTNSEA).

### Code Advisory Committee:

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The Code Advisory Committee would like to thank everyone involved in the development and creation of this document. In particular, the Code Advisory committee would like to specifically thank the following individuals for their time and effort:

John Agee	Boyd Johnson
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The Code Advisory Committee would also like to thank the Code Advisory Committee of the West Tennessee Structural Engineers Association (WTNSEA) and East Tennessee Structural Engineers Association (ETNSEA) for their review and comments throughout the creation of the guide. The members of the WTNSEA and ETNSEA Committees include:

WTNSEA	ETNSEA
Julie Furr – Co-Chair	Eugene Adams – Chair
Jeremy Scallion – Co-Chair	Chris Myers
Bob Paullus	
Kyle Maxwell	
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## Disclaimer and Notice

While it is believed to be accurate, this information should not be used or relied upon for any specific application without competent professional examination and verification of its accuracy, suitability, and applicability by a licensed professional engineer or architect. The publication of the material contained herein is not intended as a representation or warranty, on the part of the Tennessee Structural Engineers Association or of any other person named herein, that this information is suitable for any general or particular use or of freedom from infringement of any patent or patents. Anyone making use of this information assumes all liability arising from such use.

Caution must be exercised when relying upon other specifications and codes developed by other bodies and incorporated by reference herein since such material may be modified or amended from time to time subsequent to the printing of this edition. The TNSSEA bears no responsibility for such material other than to refer to it and incorporate it by reference at the time of the initial publication of this edition.

## Dedication



The members of the Code Advisory Committee respectfully dedicate this guide in memory of Steven Charles Anderson, P.E., S.E., who passed away unexpectedly on April 28, 2011 at the age of 33. Through his technical ability, leadership, and great sense of humor, Steve contributed greatly to the creation of this guide. His advice, humor and knowledge will be sorely missed.

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## Part 1 – Glossary





Unless otherwise noted, all definitions will be as defined by Chapters 2 and 17 of the International Building Code (IBC).

**Approved** – Acceptable to the code official or authority having jurisdiction.

**Approved Agency** – An established and recognized agency regularly engaged in conducting tests and/or furnishing inspection services, when such agency has been *approved*.

**Building Official** – The officer or other designated authority charged with the administration and enforcement of Code, or a duly authorized representative.

**Code** – The adopted building code enforced by the Building Official. As pertained to this document, the International Building Code 2006, 2009 or 2012 Edition.

**Construction Documents** – Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for construction.

**Contractor** – The entity under a legal contract to construct the facility as shown in the contract documents prepared by the Registered Design Professionals.

**Designated Seismic System** – Those architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7 and for which the component importance factor,  $I_p$ , is greater than 1 in accordance with Section 13.1.3 of ASCE 7.

**Intumescent Fire-Resistant Coatings** – Thin film liquid mixture applied to substrates by brush, roller, spray or trowel which expands into a protective foamed layer to provide fire-resistant protection of the substrates when exposed to flame or intense heat.

**Jurisdiction** – The governmental unit that has been given the responsibility of enforcing the building code.

**Main Windforce-Resisting System** – An assemblage of structural elements assigned to provide support and stability for the overall structure. The system generally receives wind loading from more than one surface.

**Mastic Fire-Resistant Coatings** – Liquid mixture applied to a substrate by brush, roller, spray or trowel that provides fire-resistant protection of a substrate when exposed to flame or intense heat.

**Registered Design Professional** – An individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed.

**Registered Design Professional of Record** – The Registered Design Professional who is in responsible charge for the design of the building or building component and who has signed and sealed the Construction Documents.

**Registered Design Professional in Responsible Charge (RDPRC)** – A registered design professional engaged by the Owner to review and coordinate certain aspects of the project, as determined by the building official, for compatibility with the design of the building or structure, including submittal documents prepared by others, deferred submittal documents and phased submittal documents. Generally, this entity is the Architect.

**Special Inspection** – Inspection of construction requiring the expertise of an approved special inspector in order to ensure compliance with the Building Code and the approved construction documents. Special Inspections do not include or waive the responsibility for the inspections required by the Construction Documents, other sections of the Building Code, or referenced standards.

**Special Inspection, Continuous** – Special inspection by the special inspector who is present when and where the work to be inspected is being performed.

**Special Inspection, Periodic** – Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed.

**Special Inspector** – A qualified person employed or retained by an approved agency and approved by the building official as having the competence necessary to inspect a particular type of construction requiring special inspection.

**Sprayed Fire-Resistant Materials** – Cementitious or fibrous materials that are sprayed to provide fire-resistant protection of the substrates.

**Structural Observation** – The visual observation of the structural system by a registered design professional for general conformance to the approved construction documents. Structural observation does not include or waive the responsibility for the inspection required by Chapter 1, 17, or other sections of the Building Code.

## Part 2 – Special Inspection Requirements

## **Introduction**

The International Building Code (IBC) Chapter 17, *Structural Tests and Special Inspections*, requires Special Inspections for all projects with the exceptions listed below:

1. When exempted by the Building Official for work of minor nature and not required by the Registered Design Professional in Responsible Charge.
2. Building components that do not require the services of a licensed Professional Engineer or Architect.
3. Occupancy Group R-3 (one and two family dwellings) and Occupancy Group U structures that are accessory to Occupancy Group R-3 structures.

Special Inspections are defined by IBC as “Inspection...requiring special expertise to ensure compliance with approved construction documents and referenced standards.” The Special Inspection process is a Quality Assurance program that is mandated by the Building Code for all non-exempted projects, with additional requirements for certain wind and seismic conditions. Special Inspections are relatively new to Tennessee, first introduced in the International Building Code, 2000 Edition. Thus, many design professionals, owners, contractors and building officials are unaware of the requirements and their complexity. This document is intended to guide all parties of the intent of Chapter 17 and to clearly outline the basic responsibilities of all parties involved in a project and provides sample documents that can be used to meet the IBC requirements.

Special Inspections are not intended to alter, replace, or supersede the responsibilities of the Registered Design Professionals. Variations from the construction documents or reviewed shop drawings are to be reviewed by the Registered Design Professional of Record prior to implementation.

## **Owner Responsibilities**

IBC Chapter 17 states that the Owner, or the Registered Design Professional in Responsible Charge (RDPRC) acting as the Owner’s agent, shall employ the Special Inspector(s) for the project. This removes the inspection services from the Contractor’s scope of services and eliminates a potential conflict of interest.

The Owner is also responsible for contracting with the design team. The Code mandates Structural Observations be performed by a structural engineer for certain high seismic and high wind design conditions that are defined in the Structural Observation section of Chapter 17. Where Structural Observations are required, the Owner is responsible for engaging a Registered Design Professional to perform said observations. The Registered Design Professional engaged is to be adequately qualified to perform structural observations. Note that Structural Observations may also be performed by the Structural Engineer of Record.

The Owner shall engage a design professional to be the RDPRC. The RDPRC is often times a member of the design team.

## **Registered Design Professional in Responsible Charge Responsibilities**

Typically, the entity that fits the definition of the RDPRC is the Design Professional that has the primary contract with the Owner. It is common for this entity to be the Architect. Since a Registered Design Professional can only practice in their respective field of expertise, the tasks of the RDPRC shall be delegated to the appropriate design professionals.

Per IBC Chapter 17, the RDPRC shall prepare a Statement of Special Inspections. It is recommended that the Architect of Record, Structural Engineer of Record, and MEP Engineers of Record prepare the architectural, structural, and MEP portions of the Statement of Special Inspections, respectively. It is recommended that the Statement of Special Inspections be included in the respective discipline's drawings. When included in the specifications or as a stand-alone document, they are often overlooked or not presented to the appropriate parties.

The Statement of Special Inspections must include:

1. The materials, systems, components and work required to have special inspections
2. The type and extent of each special inspection
3. The type and extent of each test
4. The additional wind and seismic inspections required
5. Identification of the special inspection test frequency (periodic or continuous)

In addition to preparing the Statement of Special Inspections, it is suggested that the RDPRC define the minimum tests and inspections required for the project specific Statement of Special Inspections. This criteria may be included as part of the drawings, project specifications or a stand-alone document.

The additional seismic inspections are not required when the structure is assigned to a Seismic Design Category (SDC) of A or B. The amount of seismic testing increases as the SDC increases.

The additional wind inspections are required when either: a) the Exposure Category is C or D and the wind speed is 110 mph or greater; or b) the Exposure Category is B and the wind speed is 120 mph or greater. The wind speeds referenced to determine the need for additional inspections differ between the versions of the Code. For IBC '06 and '09, the Basic Wind Speed as defined in Section 1609 of the Code is to be used. For IBC '12, the Nominal Design Wind Speed,  $V_{asd}$ , as defined in Section 1609 of the Code is to be used.

## **Architect Tasks**

Prepare a Statement of Special Inspections and establish testing and inspection criterion that encompasses the following types of materials/construction:

1. Sprayed Fire-Resistant Materials
2. Mastic and Intumescent Fire-Resistant Coating
3. Exterior Insulation and Finish Systems (EIFS)
4. For projects designated Seismic Design Category D, E or F:
  - a. Exterior wall panels and their anchorage
  - b. Suspended ceiling systems and their anchorage
  - c. Access floors and their anchorage

- d. Steel storage racks and their anchorage (when  $I = 1.5$  in accordance with Sec. 15.5.3 of ASCE 7)
- e. Designated Seismic Systems
5. For projects requiring additional wind testing:
  - a. Roof Cladding
  - b. Wall Connections to Roof and Floor Diaphragms and Framing – coordinate with the Structural Engineer of Record
  - c. Fabrication and Installation of Impact Resistant Systems/Components

In addition to preparing the Statement of Special Inspections, the Architect shall review the Special Inspection Reports and address any indicated discrepancies.

### **Structural Engineer Tasks**

Prepare a Statement of Special Inspections and establish testing and inspection that encompasses the following types of materials/construction:

1. Fabricators
2. Soils – in conjunction with the Geotechnical Engineer
3. Cast-In-Place Foundations Elements
4. Driven Deep Foundation Elements – in conjunction with the Geotechnical Engineer
5. Helical Pile Foundations – in conjunction with the Geotechnical Engineer
6. Cast-In-Place Deep Foundation Elements
7. Concrete Construction
8. Masonry Construction
9. Structural Steel Construction
10. Steel Construction Other than Structural Steel
11. Wood Construction
12. Additional inspections for wind resistance when required
13. Additional inspections for seismic resistance for projects designated Seismic Design Category C, D, E or F

*Structural Observations* as required by the building code (Section 1709 of IBC '06, Section 1710 of IBC '09, or Section 1704.5 of IBC '12) shall be performed. The Structural Engineer of Record is not required by the Code to do these observations. However, if the Structural Engineer of Record is not contracted to do so, another structural engineer shall be retained to perform these observations. Prior to commencement of observations, the structural engineer performing the observations shall submit to the Building Official a written statement, the *Statement of Structural Observations*, identifying the frequency and extent of the *Structural Observations*. At the conclusion of work, the structural engineer performing the observations shall submit a *Final Structural Observation Statement* to the Building Official that states that site visits have been made and identify any deficiencies that to the best of his or her knowledge have not been resolved.

In addition to preparing the Statement of Special Inspections, the Structural Engineer shall review the Special Inspection Reports and address any indicated discrepancies.



## **Mechanical, Electrical and Plumbing Systems Engineer Tasks**

Prepare a Statement of Special Inspections and establish testing and inspection that encompasses the following types of materials/construction:

1. Smoke Control Systems
2. For projects designated Seismic Design Category C or D:
  - a. HVAC ductwork that contains hazardous materials and its anchorage
  - b. Piping systems and mechanical units containing flammable, combustible or highly toxic materials
  - c. Anchorage of electrical equipment used for emergency or standby power systems
  - d. Vibration isolation systems where the construction documents require a nominal clearance of  $\frac{1}{4}$ " or less between the equipment support frame and the restraint
  - e. Designated Seismic Systems
3. For projects designated Seismic Design Category E or F:
  - a. All of the systems required for Seismic Design Category C or D
  - b. Electrical Equipment

In addition to preparing the Statement of Special Inspections, the Mechanical, Electrical and Plumbing Systems Engineer shall review the Special Inspection Reports and address any indicated discrepancies.

## **Building Official Responsibilities**

Chapter 17 states that the Building Official has the following responsibilities.

1. Approve the special inspection agency by verifying the agency's objectivity, competence, and independence
2. Keep records of all approvals
3. Keep records of required tests, inspections, and certificates of compliance for prefabricated assemblies
4. Receive test reports of tests performed in accordance with the references listed in Chapter 35 of the Building Code
5. Review the *Statement of Special Inspections* prior to permit issuance
6. Review the *Statement of Structural Observations*, if required, prior to permit issuance
7. Receive the Contractor's written *Statement of Responsibility*, if required
8. Receive the *Special Inspection Reports*
9. Review the *Final Structural Observation Report* prior to *Certificate of Occupancy* issuance
10. Review the *Final Special Inspection Report* from prior to *Certificate of Occupancy* issuance
11. Accept duly authenticated reports from approved agencies in respect to the quality and manner of use of new materials or assemblies
12. Approve fabricators, as required, to perform work without Special Inspections at the fabricator's shop.

To aid the Building Official in the task of approving the Special Inspectors, suggested minimum qualifications for Special Inspectors have been included as Part 4. Building Officials may elect to adopt these qualifications or develop their own.

### **Contractor Responsibilities**

The Contractor shall build the structure in accordance with the contract documents. The Contractor shall notify the Special Inspector in a timely manner as determined by the Special Inspector of the work being performed. The Contractor is to coordinate the required notice with the Special Inspector. The Contractor is to maintain, on site, a complete set of contract documents, including all addenda, as well as a complete set of final submittals. The Special Inspector is to have access to these documents. The Contractor shall maintain at the jobsite all Special Inspection Reports submitted by the Special Inspector and provide these records to the Owner, RDPRC and the Building Official upon request.

For projects that include additional seismic and/or wind inspections, the contractor responsible for a component designated as a seismic system or a wind system in the Statement of Special Inspections shall submit a written *Statement of Responsibility* to the Building Official and Owner. The Statement of Responsibility shall include the acknowledgement of awareness of the requirements of the *Statement of Special Inspections*.

The Contractor shall keep work requiring special inspections accessible and exposed for special inspection purposes until the completion of the required special inspections.

### **Special Inspector(s) Responsibilities**

In addition to performing all of the Special Inspections indicated in the Statement of Special Inspections, the Special Inspector has the following responsibilities:

1. Obtain Building Official approval of the agencies to perform Special Inspections. The agency shall provide documentation demonstrating the objectivity, competency, and independence of the inspector for the particular type of construction. In addition, any possible conflicts of interest shall be disclosed to the building official (including if the Owner and Contractor are the same entity). See Part 4 for suggested minimum Special Inspector qualifications
2. Furnish reports to the Building Official, the Registered Design Professional in Responsible Charge, and other parties as directed by the project requirements that indicate the work inspected conforms to the approved construction documents
3. Immediately bring any deficiencies found to the attention of the Contractor for correction. Notify the Building Official and Registered Design Professional in Responsible Charge of any deficiencies not corrected prior to the completion of that phase of work
4. Submit the *Final Special Inspection Report* documenting the required special inspections and the corrections of any discrepancies found



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### **Part 3 – Special Inspections Quick Reference**

## Special Inspections Quick Reference

### Owner

- Contract with Design Professionals to provide construction administration services including *Structural Observations*
- Contract with a Special Inspection Agency to provide Special Inspections

### Registered Design Professional in Responsible Charge (Typically the Architect)

- Verify that all Disciplines have prepared a *Statement of Special Inspections*
- Coordinate said statement with the Building Official

### Architect

- Prepare a *Statement of Special Inspections* relating to the architectural components
- Review the Special Inspection Reports and any indicated discrepancies

### Structural Engineer

- Prepare a *Statement of Special Inspections* relating to the structural components
- Perform Structural Observations and submit *Statement of Structural Observations* and *Final Structural Observation Report* to the Building Official as required (this structural engineer may not be the Structural Engineer of Record)
- Review the Special Inspection Reports and any indicated discrepancies

### MEP Systems Engineers

- Prepare a *Statement of Special Inspections* relating to the MEP Systems components
- Review the Special Inspection Reports and any indicated discrepancies

### Building Official

- Approve the special inspection agency by verifying the agency's objectivity, competence, and independence
- Keep records of all approvals
- Keep records of required tests, inspections, and certificates of compliance for prefabricated assemblies
- Receive test reports of tests performed in accordance with Building Code references
- Review the *Statement of Special Inspections* and *Statement of Structural Observations* (if required) prior to permit issuance
- Receive the Contractor's written *Statement of Responsibility*, if required
- Receive *Special Inspection Reports*
- Review *Final Special Inspection Report* and *Final Structural Observation Report* (if required) prior to certificate of authorization issuance
- Accept reports from approved agencies for the quality and manner of use of new materials or assemblies
- Approve fabricators, as required, to perform work without Special Inspections at the fabricator's shop.

### Contractor

- Adequately notify the Special Inspector of the work being performed
- Submit a written *Statement of Responsibility* as required
- Build the structure in accordance with the approved construction documents
- Keep work requiring special inspections accessible and exposed until special inspections are completed

### Special Inspector

- Obtain Building Official approval of the agency to perform Special Inspections
- Perform the required Special Inspections
- Furnish Special Inspection Reports to the Building Official and the RDPRC
- Bring any deficiencies to the attention of the Contractor. Notify Building Official and RDPRC if the Contractor does not correct the deficiencies.
- Submit a final report documenting the Special Inspections and correction of any discrepancies found.

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## **Part 4 – Suggested Minimum Special Inspector Qualifications**

## Suggested Special Inspector Minimum Qualifications

The Code Advisory Committee has compiled a list of inspector certifications and has determined the minimum qualification level for each inspection/verification task. These minimum qualification levels may be enforced by the Building Official or the Building Official may create their own qualification. The Registered Design Professional in Responsible Charge may enforce these qualifications if the Building Official does not. In the event of conflicting requirements, the more stringent would apply. The Building Official and the RDPRC may accept other certifications at their discretion.

Below is a list of organizations that provide certifications that have been included in this guide along with their web site address. This list is not all inclusive and does not preclude acceptance of certification by entities not listed.

Board of Architectural and Engineering Examiners ([www.tn.gov/commerce/boards/ae/](http://www.tn.gov/commerce/boards/ae/))  
ACI – American Concrete Institute ([www.concrete.org](http://www.concrete.org))  
AISC – American Institute of Steel Construction ([www.aisc.org](http://www.aisc.org))  
ASNT – American Society for Nondestructive Testing ([www.asnt.org](http://www.asnt.org))  
AWS – American Welding Society ([www.aws.org](http://www.aws.org))  
BIA – Brick Industry Association ([www.bia.org](http://www.bia.org))  
ICC – International Code Council ([www.iccsafe.org](http://www.iccsafe.org))  
NCARB – National Council of Architectural Registration Boards ([www.ncarb.org](http://www.ncarb.org))  
NCMA – National Concrete Masonry Association ([www.ncma.org](http://www.ncma.org))  
NICET – National Institute for Certification in Engineering Technologies ([www.nicet.org](http://www.nicet.org))  
PCI – Precast/Prestressed Concrete Institute ([www.pci.org](http://www.pci.org))  
PTI – Post-Tensioning Institute ([www.post-tensioning.org](http://www.post-tensioning.org))

Below are the acronyms and brief descriptions for each certification used.

### **Professional Engineer** – Professional Engineer in the State of Tennessee

A Professional Engineer (PE) is an engineer registered as such with the State of Tennessee. To become a PE, an engineer has met the education, experience and examination requirements as set forth by the Tennessee Board of Architectural and Engineering Examiners. The PE is to have relevant experience with the inspections being made.

### **Engineer Intern** – Engineer Intern

An Engineer Intern is an engineer who has met the education requirements as set forth by the Tennessee Board of Architectural and Engineering Examiners as well as passed the NCEES Fundamentals of Engineering Examination. An Engineer Intern has not completed the requirements to become a Professional Engineer. An Engineering Intern is to be registered with the Board of Architectural and Engineering Examiners. The Engineering Intern is to have relevant experience with the inspections being made.

### **Registered Architect** – Registered Architect in the State of Tennessee

A Registered Architect (RA) is an architect registered as such with the State of Tennessee. To become an RA, an architect has met the education, experience and examination requirements as set forth by the



Tennessee Board of Architectural and Engineering Examiners as well as completed the Intern Development Program (IDP) as required by the NCARB. The RA is to have relevant experience with the inspections being made.

**ACI Grade 1 – ACI Field Testing Technician Grade 1**

A Concrete Field Testing Technician Grade 1 is certified by American Concrete Institute and has demonstrated knowledge and ability to perform basic field tests on freshly mixed concrete. This requires a working understanding of: temperature of freshly mixed concrete; sampling freshly mixed concrete; measuring concrete slump; determining unit weight, yield and air content; air content of fresh concrete by the pressure method; air content of fresh concrete by the volumetric method; and, field making and curing concrete test specimens.

**ACI SI – ACI Special Concrete Construction Inspector**

A Concrete Construction Special Inspector is a person qualified to inspect and record the results of concrete construction inspection based on codes and job specifications. This inspector requires being certified by the American Concrete Institute Inspector Certification Program in accordance with its testing, education and work experience requirements. Knowledge is required of concrete materials, testing concrete, concrete construction practices, formwork, tolerances, reinforcements, embedments, reading of plans, understanding the ACI 318 Building Code Requirements for Structural Concrete, and other related aspects of concrete and its construction.

**AISC Certified Erector – AISC Certification for Erectors**

AISC Certification for Erectors verifies the erector has systems in place for: safety program compliant with governmental regulations; welders are qualified according to AWS D1.1 and follow written procedures; bolting procedures follow written requirements complying with Research Council on Structural Connection Specifications; written procedures are in place for fall protection; crane operators are certified; and, project-specific erection plans for hoisting and erection requirements are field undertaken.

**AISC Certified Fabricator – AISC Certification for Fabricators**

AISC Certification For Fabricators verifies the fabricator has systems in place for: contract document review; document control for shop drawings and other requirements; purchasing of materials to comply with project and fabrication specifications; welders are qualified according to AWS D1.1 and follow written procedures; bolting procedures follow written requirements complying with Research Council on Structural Connection Specifications; and, both inspection and quality assurance plans are implemented.

**ASNT Level II – ASNT Level II Technician**

An ASNT Level II Technician certified by the ASNT Central Certification Program (ACCP) requires an ACCP Level II, or an ACCP Level III for a given NDT testing method. NDT test methods specified by ASNT are: Magnetic Particle Testing; Liquid Penetrant Testing; Radiographic Testing; Ultrasonic Testing; Visual and Optical Testing; and, Electromagnetic Testing.

**AWS CWI – AWS Certified Welding Inspector**

A Certified Welding Inspector certified by AWS requires knowledge of: all welding fundamentals; welding quality requirements; welding metallurgy; AWS welding standards; procedure qualifications



(equipment, joint preparation and geometry); welder performance qualifications and compliance with standards and codes; perform inspections (visual and provide nondestructive examination (NDE) inspection planning and verifying implementation); and, perform quality assurance surveillance.

**AWS CAWI – AWS Certified Associate Welding Inspector**

A Certified Associate Welding Inspector certified by AWS requires knowledge of: basic welding fundamentals; verify standard compliance for base and filler materials; verify material compatibility; verify welding equipment appropriateness, edge preparation and joint geometry; provide visual inspections; and provide nondestructive examination (NDE) planning.

**ICC SI: Masonry – ICC Structural Masonry Special Inspector**

An inspector requiring masonry knowledge of: materials; masonry placement and practices; reinforcement and connector placement; grout placement; code interpretation; plan reading; *International Building Code*; ASTM Masonry Standards; ACI 530 *Building Code Requirements for Masonry Structures*; and, ACI 530.1 *Specification for Masonry Structures*.

**ICC SI: Prestressed – ICC Prestressed Concrete Special Inspector**

An inspector required to be certified as a Reinforced Concrete Special Inspector and requires overall concrete knowledge of: concrete quality; reinforcement; prestressing and grouting; formwork; joints; embeds; concrete placement, protection and curing; code interpretation; plan reading; the *International Building Code*; ACI 318 *Building Code Requirements for Structural Concrete and Commentary*; PCI MNL - 116 *Manual for Quality Control for Plants and Production of Structural Precast Concrete Products*; appropriate ASTM prestressing steel standards; and, PTI post-tensioning standards for field procedures (M10.3-00), unbonded tendons (M55.1-03), and rock and soil anchors (DC35.1-04).

**ICC SI: Reinforced Concrete – ICC Reinforced Concrete Special Inspector**

An inspector required to be certified by ACI as an Concrete Field Testing Technician - Grade 1, achieve certification as an ICC Reinforced Concrete Special Inspector Associate (Associate lacks needed work experience to qualify as a Reinforced Concrete Special Inspector), meet ACI education and work experience requirements, and have overall concrete knowledge of: concrete quality; reinforcement; formwork; joints; embeds; concrete placement, protection and curing; code interpretation; plan reading; the *international Building Code*, ACI 318 *Building Code Requirements for Structural Concrete and Commentary*; appropriate ASTM Standards; and, ICC *Concrete Manual*.

**ICC SI: Fireproofing – ICC Spray-applied Fireproofing Special Inspector**

A certified inspector requiring fire-proofing knowledge of: materials; application preparation, application procedures; testing of installed product; *International Building Code*; Association of the Wall and Ceiling Industry (AWCI) Technical Manual 12-A for testing and inspection for sprayed-on materials; and AWCI Technical Manual 12-B for testing and inspection for applied thin-filmed materials.

**ICC SI: Soils – ICC Soils Special Inspector**

A certified inspector requiring soils knowledge of: sampling; classification; evaluating laboratory test results; reading grading plans; site preparation; fill monitoring and testing; the *International Building Code*; and all applicable ASTM Standards.





**ICC SI: Steel and Bolts** – ICC Structural Steel and Bolting Special Inspector

A certified inspector requiring structural steel knowledge of: material sampling, testing and verification; high-strength bolting; steel framing observations; code interpretation; plan reading; the International Building Code; and, AISC Steel Construction Manual including Specification for Structural Joints Using ASTM A325 or A490 Bolts.

**ICC SI: Welding** – International Code Council Structural Welding Special Inspector

An inspector required to be certified a Structural Steel and Bolting Special Inspector and requires weld knowledge of: material sampling, testing and verification; structural steel, rebar reinforcement and sheet steel welding; the ICC *International Building Code*; AWS Structural Welding Codes D1.1, D1.3 and D1.4; and, ANSI/AWS A2.4-98 or A2.4-2007 *Standard Symbols for Welding, Brazing, and Nondestructive Examination*.

**NCMA/BIA Inspector** – NCMA/BIA Masonry Inspectors

This inspector is be knowledgeable and familiar with NCMA TEK technical publications including TEK 3-8A (Concrete Masonry Construction) and 18-3B (Concrete Masonry Inspection), and BIA Technical Notes including Notes 3 (Overview of Building Code Requirements for Masonry Structures), 17A (Reinforced Brick Masonry - Materials and Construction), and 39B (Testing for Engineered Brick Masonry - Quality Control).

**NICET Soils Level II** – NICET Soils Inspector Level II

This NICET certified inspector requires at least two years of experience with at least one year in soils quality assurance and quality control. The other year of experience may be in related activities, or in construction inspection and/or materials testing.

**NICET Soils Level III** – NICET Soils Inspector Level III

This NICET certified inspector requires Level II work experience plus three additional years involving soils quality assurance and quality control as the primary activity. The other two years of experience may be in construction and/or materials testing.

**NICET Concrete Level II** – NICET Concrete Inspector Level II

This NICET certified inspector requires two years of construction experience with at least one year involving concrete testing, concrete quality assurance and concrete quality control. The other year of experience may be in related activities or other specialties such as construction inspection and/or other materials testing.

**PCI Inspector** – PCI Concrete Inspector

PCI plant personnel certification has three distinct levels. Level I requires six months of precast concrete experience; understanding of basic plant quality control aspects; and certification by ACI in Concrete Field Testing Technician Program Level 1. Level II requires Level 1 certification; at least one-year of precast concrete experience; knowledge of strand tensioning/elongation requirements; comprehension of accelerated curing; understanding of material control tests; and, welding basics. Level III require two years of precast concrete industry experience; attendance at a special four-day PCI school; and, PCI Level II certification.

**PTI Level 2 Bonded – PTI Level 2 Bonded Inspector**

A Level 2 Bonded inspector is required to be certified by PTI and requires knowledge of: Post-Tensioning systems and components; material properties and testing; installation procedures; tendon stressing operations; grouting of system; inspection procedures and record keeping; construction documents; tendon corrosion protection; and, field safety. Work experience for a Level 2 Bonded inspector requires a total of 1500 hours in Post-Tensioning (500 in placing, 500 in stressing and 500 in grouting).

**PTI Level 2 Unbonded – PTI Level 2 Unbonded Inspector**

A Level 2 Unbonded inspector is required to be certified by PTI and requires knowledge of: Post-Tensioning systems and components; installation procedures; tendon stressing operations; inspection procedures and record keeping; construction documents; tendon corrosion protection; and, field safety. Work experience for a Level 2 Unbonded inspector requires a total of 500 hours in Post-Tensioning.



[illegible]

Minimum Special Inspector Qualification/Certification																						
Testing and Inspection Category		Minimum Qualification/Certification																				
		Professional Engineer <sup>1</sup>	Registered Architect <sup>2</sup>	ACI Grade 1	ACI SI	ASNT Level II	AWS CWI <sup>3</sup>	ICC SI: Masonry	ICC SI: Prestressed	ICC SI: Reinf. Concrete	ICC SI: Fireproofing	ICC SI: Soils	ICC SI: Steel and Bolts	ICC SI: Welding	NCMA/BIA Inspector	NICET Soils Level II	NICET Soils Level III	NICET Concrete Level II	PCI Inspector Level II	PTI Level 2 Bonded	PTI Level 2 Unbonded	Other
Masonry																						
Review f'm prior to construction		X																				
Mortar joint construction, grout protection and placement, materials proportion, type/size/location of reinforcement, structural elements, anchorage, and connectors		X					X															
Sampling/testing of grout/mortar specimens		X					X								X							
Observe preparation of masonry prisms for testing of compressive strength of masonry, f'm		X					X								X							
Inspection of welding of reinforcing steel																						
Testing of welding of reinforcing steel						X									X							
Steel																						
Testing of Welding						X																
Inspection of Welding							X								X							
Material Verification (Except Weld Filler Material)		X											X									
Material Verification of Weld Filler Materials		X					X							X								
High strength bolting													X									
Inspection of joint details		X											X									
Wood																						
Observe structural panel sheathing, framing member sizes, fastener diameter and length, number and spacing of fastener lines and fasteners for compliance with construction documents for the project		X																				X <sup>4</sup>
Non-Structural																						
Sprayed Fire-Resistant Materials		X														X						
Mastic and intumescent fire-resistant coatings		X														X						
Inspect EIFS systems		X													X							
Smoke Control Systems		X <sup>5</sup>																				X <sup>5</sup>
Other																						
Work of unusual or special nature		X	X																			
Inspection for Wind and/or Seismic Resistance		X																				

Footnotes: <sup>1</sup>Engineer Intern is acceptable provided they are working under the direct supervision of a Professional Engineer. <sup>2</sup>Intern Architect is acceptable provided they are working under the direct supervision of a Registered Architect. <sup>3</sup>AWS CAWI is acceptable provided they are working under the direct supervision of an on-site AWS CWI.

<sup>4</sup>ICC Certification as a Commercial or Residential Building Inspector, as applicable, with a min. of 2 years of direct experience in engineered wood products or a min. of 5 years of direct experience as a journeyman carpenter. <sup>5</sup>Inspector shall have expertise in fire protection engineering, mechanical engineering and certification as air balancers.

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## Part 5 – Sample Documents

## Sample Document Introduction

The following sample documents provide a means to present the information required by Chapter 17. As with many things, there are multiple ways to accomplish the various requirements of Chapter 17. These documents present just one method and are not intended to preclude the use of other forms.

There are three methods to present the *Statement of Special Inspections*: on the contract drawings, in the specifications, or as a stand-alone document. In order to eliminate lost documents, it is not recommended that the *Statement of Special Inspections* be a separate document. Instead it is recommended that it be included either on the contract drawings or in the specifications. The example *Statement of Special Inspections* was created utilizing that implementation method. If the forms are to be used as a stand-alone document, the RDPRC shall sign and seal the *Statement of Special Inspections*.

## Statement of Special Inspections and Special Inspection Schedules

### STATEMENT OF SPECIAL INSPECTIONS

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspector to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines:

- |   |                                       |
|---|---------------------------------------|
| <input type="checkbox"/> Architectural                  | <input type="checkbox"/> Structural   |
| <input type="checkbox"/> Mechanical/Electrical/Plumbing | <input type="checkbox"/> Other: _____ |

The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. 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 Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

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

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

This Statement of Special Inspections includes the following building systems:

- |   |   |
|---|---|
| <input type="checkbox"/> Fabricators                                    | <input type="checkbox"/> Soils  |
| <input type="checkbox"/> Cast-In-Place Foundations Elements             | <input type="checkbox"/> Driven Deep Foundation Elements                |
| <input type="checkbox"/> Helical Pile Foundations                       | <input type="checkbox"/> Cast-In-Place Deep Foundation Elements         |
| <input type="checkbox"/> Concrete Construction                          | <input type="checkbox"/> Masonry Construction - Level 1                 |
| <input type="checkbox"/> Masonry Construction - Level 2                 | <input type="checkbox"/> Structural Steel Construction                  |
| <input type="checkbox"/> Steel Construction Other than Structural Steel | <input type="checkbox"/> Wood Construction                              |
| <input type="checkbox"/> Spray Fire-Resistant Materials                 | <input type="checkbox"/> Mastic and Intumescent Fire-Resistant Coatings |
| <input type="checkbox"/> Exterior Insulation and Finish System (EIFS)   | <input type="checkbox"/> Fire-Resistant Penetrations and Joints         |
| <input type="checkbox"/> Smoke Control                                  | <input type="checkbox"/> Wind Resistance                                |
| <input type="checkbox"/> Seismic Resistance                             |   |

The following components are wind-resisting components or part of the main wind-force resisting system and are subject to special inspections in accordance with the *Special Inspection Schedule: Wind Resistance*:

\_\_\_\_\_  
\_\_\_\_\_

The following components are designated seismic systems or part of the seismic-force resisting system that are subject to special inspections in accordance with the *Special Inspection Schedule: Seismic Resistance*:

\_\_\_\_\_  
\_\_\_\_\_

Special Inspection Agency:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Edit form as required for the appropriate discipline. It is recommended that this be placed in the contract drawings.**



### SPECIAL INSPECTION SCHEDULE: FABRICATORS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:			
A. STEEL CONSTRUCTION		-	X
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)		-	X
C. WOOD CONSTRUCTION		-	X
D. COLD FORMED METAL CONSTRUCTION		-	X
E. OTHER CONSTRUCTION		-	X

### SPECIAL INSPECTION SCHEDULE: SOILS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		-	X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.		-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		-	X

### SPECIAL INSPECTION SCHEDULE: CAST-IN-PLACE FOUNDATION ELEMENTS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE FOUNDATION CONSTRUCTION IN ACCORDANCE WITH THE SPECIAL INSPECTION SCHEDULE: CAST-IN-PLACE CONCRETE FOR THE FOLLOWING FOUNDATION ELEMENTS:			
A. ISOLATED SPREAD CONCRETE FOOTINGS		-	-
B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS		-	-
C. CONCRETE FOUNDATION WALLS		-	-

### SPECIAL INSPECTION SCHEDULE: DRIVEN DEEP FOUNDATION ELEMENTS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.		X	-
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.		X	-
3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.		X	-
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.		X	-
5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH THE STRUCTURAL STEEL SPECIAL INSPECTIONS.		-	-
6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH THE CONCRETE SPECIAL INSPECTIONS.		-	-
7. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.		-	-

### SPECIAL INSPECTION SCHEDULE: HELICAL PILE FOUNDATIONS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. OBSERVE INSTALLATION OPERATIONS AND RECORD THE INSTALLATION EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATIONS, FINAL DEPTH, FINAL INSTALLATION TORQUE AND OTHER PERTINENT INSTALLATION DATA AS REQUIRED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.		X	-
2. VERIFY COMPLIANCE WITH THE GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS.		X	-

IBC '09 & '12

IBC '09 & '12

### SPECIAL INSPECTION SCHEDULE: CAST-IN-PLACE DEEP FOUNDATION ELEMENTS

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.		X	-
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.		X	-
3. FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH THE CONCRETE SPECIAL INSPECTIONS.		-	-
4. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.		-	-

IBC '06

### SPECIAL INSPECTION SCHEDULE: CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.		-	X
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH THE SPECIAL INSPECTION SCHEDULE: STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL, ITEM 3.		-	-
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.		X (IBC '06 AND '09)	X (IBC '12)
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		-	X
5. VERIFYING USE OF REQUIRED DESIGN MIX.		-	X
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.		X	-
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		X	-
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		-	X
9. INSPECTION OF PRESTRESSED CONCRETE:			
A. APPLICATION OF PRESTRESSING FORCES.		X	-
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.		X	-
10. ERECTION OF PRECAST CONCRETE MEMBERS.		-	X
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		-	X
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		-	X

IBC '09 & '12

<b>SPECIAL INSPECTION SCHEDULE: MASONRY CONSTRUCTION - LEVEL 1</b>			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.		-	X
2. VERIFICATION OF $f'_m$ AND $f'_{AAC}$ PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE BUILDING CODE.		-	X
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.		X	-
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
A. PROPORTIONS OF SITE-PREPARED MORTAR.		-	X
B. CONSTRUCTION OF MORTAR JOINTS.		-	X
C. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.		-	X
D. PRESTRESSING TECHNIQUE.		-	X
E. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.		-	X
5. DURING CONSTRUCTION, THE INSPECTION PROGRAM SHALL VERIFY:			
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.		-	X
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.		-	X
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.		-	X
D. WELDING OF REINFORCING BARS.		X	-
E. PREPERATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		-	X
F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.		X (IBC '09)	X (IBC '06)
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
A. GROUT SPACE IS CLEAN.		-	X
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.		-	X
C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.		-	X
D. CONSTRUCTION OF MORTAR JOINTS.		-	X
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.		X	-
A. GROUTING OF PRESTRESSING BONDED TENDONS.		X	-
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.		X (IBC '06)	X (IBC '09)



SPECIAL INSPECTION SCHEDULE: MASONRY CONSTRUCTION - LEVEL 2			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.		-	X
2. VERIFICATION OF $f'_m$ AND $f'_{AAC}$ PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION.		-	X
3. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR AND GROUT AS DELIVERED TO THE SITE.		-	X
4. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.		X	-
5. THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
A. PROPORTIONS OF SITE-PREPARED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.		-	X
B. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS		-	X
C. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.		-	X
D. GROUT SPACE PRIOR TO GROUTING.		X	-
E. PLACEMENT OF GROUT.		X	-
F. PLACEMENT OF PRESTRESSING GROUT.		X	-
G. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.		-	X
H. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.		X	-
I. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.		-	X
J. WELDING OF REINFORCING BARS.		X	-
K. PREPERATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		-	X
L. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.		X	-
6. PREPARATION OF ANY REQUIRED GROUT SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.		X	-

SPECIAL INSPECTION SCHEDULE: STRUCTURAL STEEL CONSTRUCTION			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		-	X
2. INSPECTION OF HIGH-STRENGTH BOLTING:			
A. SNUG-TIGHT JOINTS.		-	X
A. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.		-	X
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.		X	-
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND AISC 360.		-	X
B. MANUFACTURER'S CERTIFIED TEST REPORTS.		-	X
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.		-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		-	X
5. INSPECTION OF WELDING, STRUCTURAL STEEL:			
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.		X	-
B. MULTIPASS FILLET WELDS.		X	-
C. SINGLE-PASS FILLET WELDS > 5/16"		X	-
D. SINGLE-PASS FILLET WELDS ≤ 5/16"		-	X
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:			
A. DETAILS SUCH AS BRACING AND STIFFENING.		-	X
B. MEMBER LOCATIONS.		-	X
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		-	X

SPECIAL INSPECTION SCHEDULE: STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		-	X
2. INSPECTION OF WELDING, COLD-FORMED STEEL DECK:			
A. FLOOR AND ROOF DECK WELDS.		-	X
3. INSPECTION OF WELDING, REINFORCING STEEL:			
A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.		-	X
B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.		X	-
C. SHEAR REINFORCEMENT.		X	-
D. OTHER REINFORCING STEEL.		-	X
4. INSPECTION OF COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER:			
A. VERIFY TEMPORARY INSTALLATION RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL PACKAGE.		-	X
B. VERIFY PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL PACKAGE.		-	X

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SPECIAL INSPECTION SCHEDULE: WOOD CONSTRUCTION			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTION OF HIGH-LOAD DIAPHRAGMS:			
A. VERIFY WOOD STRUCTURAL PANEL SHEATHING IS OF THE GRADE AND THICKNESS SHOWN ON THE CONSTRUCTION DOCUMENTS.		-	X
B. VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES AGREES WITH THE CONSTRUCTION DOCUMENTS.		-	X
C. VERIFY FASTENER DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, THE SPACING OF THE FASTENERS AND THE EDGE MARGINS AGREE WITH THE CONSTRUCTION DOCUMENTS.		-	X
2. INSPECTION OF METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER:			
A. VERIFY TEMPORARY INSTALLATION RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL PACKAGE.		-	X
B. VERIFY PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL PACKAGE.		-	X

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SPECIAL INSPECTION SCHEDULE: SPRAY FIRE-RESISTANT MATERIALS			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. AFTER THE ROUGH INSTALLATION OF ELECTRICAL, AUTOMATIC SPRINKLER, MECHANICAL AND PLUMBING SYSTEMS AND SUSPENSION SYSTEMS FOR CEILINGS, PERFORM THE FOLLOWING TESTS AND OBSERVATIONS TO DEMONSTRATE COMPLIANCE WITH THE LISTING AND THE FIRE-RESISTANT RATING:			
A. CONDITION OF SUBSTRATES.		-	X
B. THICKNESS OF APPLICATION.		-	X
C. DENSITY IN POUNDS PER CUBIC FOOT.		-	X
D. BOND STRENGTH ADHESION/COHESION.		-	X
E. CONDITION OF FINISHED APPLICATION.		-	X

SPECIAL INSPECTION SCHEDULE: MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTIONS FOR MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS APPLIED TO STRUCTURAL ELEMENTS AND DECKS SHALL BE IN ACCORDANCE WITH AWCI 12-B.		-	-

SPECIAL INSPECTION SCHEDULE: EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTION EIFS INSTALLATION.		-	X
2. INSPECTION OF WATER RESISTIVE BARRIER COATING COMPLYING WITH ASTM E 2570 IS REQUIRED WHEN INSTALLED OVER SHEATHING SUBSTRATE.		-	X

IBC '09 & '12

<b>SPECIAL INSPECTION SCHEDULE: FIRE-RESISTANT PENETRATIONS AND JOINTS</b>			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTION OF PENETRATION FIRESTOP SYSTEMS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 2174.		-	X
2. INSPECTION OF FIRE-RESISTANT JOINT SYSTEMS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 2393.		-	X

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<b>SPECIAL INSPECTION SCHEDULE: SMOKE CONTROL</b>			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. DURING ERECTION OF DUCTWORK AND PRIOR TO CONCEALMENT FOR THE PURPOSES OF LEAKAGE TESTING AND RECORDING OF DEVICE LOCATION.		-	X
2. PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION FOR THE PURPOSES OF PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION.		-	X

<b>SPECIAL INSPECTION SCHEDULE: WIND RESISTANCE</b>			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. ROOF CLADDING AND ROOF FRAMING CONNECTIONS.		-	-
2. WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.		-	-
3. ROOF AND FLOOR DIAPHRAGM SYSTEMS, INCLUDING COLLECTORS, DRAG STRUTS AND BOUNDARY ELEMENTS.		-	-
4. VERTICAL WIND FORCE-RESISTING SYSTEMS, INCLUDING BRACED FRAMES, MOMENT FRAMES AND SHEAR WALLS.		-	-
5. WIND FORCE-RESISTING SYSTEM CONNECTIONS TO THE FOUNDATION.		-	-
6. FABRICATION AND INSTALLATION OF SYSTEMS OR COMPONENTS REQUIRED TO MEET IMPACT-RESISTANT REQUIREMENTS.		-	-
7. INSPECTION OF STRUCTURAL WOOD:			
A. INSPECT FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM.		X	-
B. INSPECT NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS.		-	X
8. INSPECTION OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION:			
A. INSPECTION OF WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM.		-	X
B. INSPECTION OF SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF OTHER COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS.		-	X
9. WIND RESISTANT SYSTEMS AND COMPONENTS:			
A. ROOF CLADDING		-	X
B. WALL CLADDING		-	X

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SPECIAL INSPECTION SCHEDULE: SEISMIC RESISTANCE			
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	FREQUENCY	
		CONTINUOUS	PERIODIC
1. INSPECTION OF PIER FOUNDATIONS:			
A. INSPECT PLACEMENT OF REINFORCEMENT		X	-
B. INSPECT PLACEMENT OF CONCRETE		-	X
2. INSPECTION OF CONCRETE REINFORCEMENT:			
A. VERIFY CERTIFIED MILL TEST REPORTS COMPLY WITH ACI 318 CHAPTER 21 REQUIREMENTS.		-	X
B. WHERE REINFORCING COMPLYING WITH ASTM A 615 IS TO BE WELDED, CHEMICAL TESTS SHALL BE PERFORMED TO DETERMINE WELDABILITY.		-	X
3. INSPECTION OF STRUCTURAL STEEL:			
A. INSPECTIONS SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE PLAN REQUIREMENTS OF AISC 341.		-	-
4. INSPECTION OF COLD-FORMED STEEL FRAMING:			
A. INSPECT WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM.		-	X
B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS.		-	X
5. INSPECTION OF STRUCTURAL WOOD:			
A. INSPECT FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM.		X	-
B. INSPECT NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.		-	X
6. INSPECTION OF STORAGE RACKS:			
A. INSPECT ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT.		-	X
7. INSPECTION OF ARCHITECTURAL COMPONENTS:			
A. INSPECT ERECTION AND FASTENING OF EXTERIOR CLADDING.		-	X
B. INSPECT ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NONBEARING WALLS.		-	X
C. INSPECT ERECTION AND FASTENING OF INTERIOR AND EXTERIOR VENEER.		-	X
D. INSPECT ANCHORAGE OF ACCESS FLOORS.		-	X
8. INSPECTION OF MECHANICAL AND ELECTRICAL COMPONENTS:			
A. INSPECT ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.		-	X
B. INSPECT INSTALLATION OF ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT.		-	X
C. INSPECT INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS INTENDED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS		-	X
D. INSPECT INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS		-	X
E. INSPECT INSTALLATION OF VIBRATION ISOLATION SYSTEMS WHERE THE CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 1/4" OR LESS BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAINT.		-	X
9. INSPECTION OF DESIGNATED SEISMIC SYSTEMS:			
A. VERIFY LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE.		-	X
10. INSPECTION OF SEISMIC ISOLATION SYSTEMS:			
A. INSPECT THE FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES THAT ARE PART OF THE SEISMIC ISOLATION SYSTEM.		-	X

IBC '06

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## Structural Observations Notification Letter

[Company Name]  
[Address]  
[City, State Zip Code]

Date

[Building Official]  
[Title]  
[Address]  
[City, State Zip Code]

[Project Name]  
[Project Location]

This office has been engaged to conduct Structural Observations per Section {1710.1}{1704.5} of the International Building Code, {2009}{2012} Edition. The Structural Observations will be conducted at major milestones in construction and as deemed necessary by this office. The observation will entail the visual observation of the structural system by this office for general conformance to the approved construction documents.

[Name]  
[Title]

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## Contractor's Statement of Responsibilities

[Contracting Company Name]  
[Address]  
[City, State Zip Code]

Date

[Building Official]  
[Title]  
[Address]  
[City, State Zip Code]

[Project Name]  
[Project Location]

This company has been hired to construct the following components that have been designated as a Seismic System or Wind System in the *Statement of Special Inspections*:

- Component A
- Component B
- Component C

We acknowledge the testing and inspection requirements found in the *Statement of Special Inspections*.

[Name]  
[Title]

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## Daily Special Inspection Report

### DAILY SPECIAL INSPECTION REPORT

Date: \_\_\_\_\_ Project No: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Special Inspection Type(s)/Coverage: \_\_\_\_\_  
☐ Continuous ☐ Periodic; frequency: \_\_\_\_\_

Special Inspections made, including locations:

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Tests performed:

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Items requiring 1) correction, 2) correction of previously listed items, and 3) previously listed uncorrected items:

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Changes to approved plans authorized by engineer or architect of record:

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Comments:

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To the best of my knowledge, work inspected was in accordance with the approved Construction Documents and applicable workmanship provisions of the Building Code except as noted above.  
*(Attach 8 1/2"x11" continuation sheet(s) if required)*

Print Full Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Special Inspection Agency: \_\_\_\_\_

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## Weekly Special Inspection Report

### WEEKLY SPECIAL INSPECTION REPORT

Date: \_\_\_\_\_ Project No: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Special Inspection Type(s)/Coverage: \_\_\_\_\_  
☐ Continuous ☐ Periodic; frequency: \_\_\_\_\_

Total inspection time each day:

Date							
Hours							

Special Inspections made, including locations:

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Tests performed:

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Items requiring 1) correction, 2) correction of previously listed items, and 3) previously listed uncorrected items:

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Changes to approved plans authorized by engineer or architect of record:

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Comments:

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To the best of my knowledge, work inspected was in accordance with the approved Construction Documents and applicable workmanship provisions of the Building Code except as noted above.

*(Attach 8 1/2"x11" continuation sheet(s) if required)*

Print Full Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Special Inspection Agency: \_\_\_\_\_

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## Special Inspection Discrepancy Notice

# SPECIAL INSPECTION DISCREPANCY NOTICE

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Date: \_\_\_\_\_ Project No: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Special Inspection Type(s)/Coverage: \_\_\_\_\_  
☐ Continuous      ☐ Periodic; frequency: \_\_\_\_\_

Notice delivered to: ☐ Contractor      ☐ Building Official      ☐ Architect  
☐ Structural Engineer      ☐ Mechanical/Electrical Engineer

The following discrepancies require correction and Special Inspection approval prior to proceeding with this phase of the work:

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Print Full Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Special Inspection Agency: \_\_\_\_\_

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## Final Structural Observation Letter

[Company Name]  
[Address]  
[City, State Zip Code]

Date

[Building Official]  
[Title]  
[Address]  
[City, State Zip Code]

[Project Name]  
[Project Location]

This office has performed the Structural Observations as required by Section {1710.1}{1704.5} of the International Building Code, {2009}{2012} Edition. In my professional opinion, based on Structural Observations and review of the Special Inspection Reports, the structure has been constructed in accordance with the approved Construction Documents.

-----OR-----

This office has performed the Structural Observations as required by Section {1710.1}{1704.5} of the International Building Code, {2009}{2012} Edition. To the best of my information and knowledge based on Structural Observations and review of the Special Inspection Reports, the following discrepancies have not been corrected:

[Name]  
[Title]

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## Final Special Inspection Report

### FINAL REPORT OF SPECIAL INSPECTIONS

Date: \_\_\_\_\_  
 Project No: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Permit Applicant: \_\_\_\_\_  
 Applicant's Address: \_\_\_\_\_  
 Architect of Record: \_\_\_\_\_  
 Structural Engineer of Record: \_\_\_\_\_  
 Mechanical Engineer of Record: \_\_\_\_\_  
 Electrical Engineer of Record: \_\_\_\_\_

To the best of my information, knowledge, and belief, which are based upon observations or supervision of our Special Inspection services for the above-referenced Project, I hereby state that the Special Inspections or testing required for this Project designated for this agency, have been completed in accordance with the Contract Documents.

The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Interim reports submitted prior to this final report are to be considered an integral part of this final report. The following discrepancies that were outstanding since the last interim report dated have been corrected:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

*(Attach 8 1/2"x11" continuation sheet(s) if required to complete the description of corrections)*

Respectfully submitted,  
 Special Inspector

Print Full Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Special Inspection Agency: \_\_\_\_\_

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