



# **Risk Reduction**

**A division of the**

## **Manhattan Fire Department**

Scott French, Fire Chief

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### **Special Inspections Instructions**

#### **Based on Chapter 17 of the 2018 International Building Code**

The purpose of this document is to familiarize the Owner, Engineer, Architect, Special Inspector, Testing Laboratory, and-or Contractor with the City of Manhattan's requirements related to Special Inspections and Tests required by Chapter 17 of the 2018 International Building Code (IBC), as adopted by the City of Manhattan.

Chapter 17 of the 2018 IBC has specific requirements for special inspections, testing and structural observations. These special inspections are in addition to the inspections required by the City of Manhattan and does not waive the requirement for the "normal" inspections conducted by the Risk Reduction Division. The contractor is responsible for scheduling all "normal" inspections with Risk Reduction in the proper sequence and prior to concealment or proceeding with the work as required.

Special inspections are to be made by Special Inspections Agencies approved by the Building Official and can include but are not limited to special inspectors, testing labs, fabrication shops and even registered design professionals in responsible charge provided they qualify as a special inspector. The approved agencies must be employed by the owner or the registered design professional in responsible charge acting as the owner's agent. The contractor may not hire the special inspector. These requirements are a condition of permit issuance.

These instructions outline the mandatory requirements and responsibilities of all parties involved with special inspections during a project. However, recognizing that there are many ways to evaluate material and construction quality, this handout is NOT intended to be a step-by-step procedural specification sufficient for all projects. Adjustments may be needed to satisfy a project's particular conditions.

# City of Manhattan

## Statement of Special Inspections

**Project Description:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Special Inspection Agency or Agent:** \_\_\_\_\_  
(Must be approved by Risk Reduction)

During the construction of the referenced project special inspections are to be provided by the owner in accordance with Chapter 17 of the 2018 International Building Code. The following areas of work will require special inspections unless otherwise allowed by the Building Official.

### Inspection of Concrete

- |   |  |
|---|--|
| <input type="checkbox"/> Inspection of pre-stressed concrete  | <input type="checkbox"/> <b>Inspection of Masonry</b>                        |
| <input type="checkbox"/> Erection of pre-cast concrete  | <input type="checkbox"/> <b>Inspection of Soil Conditions</b>                |
| <input type="checkbox"/> Verification of in-situ concrete strength, prior to stressing of tendons on post tensioned concrete and prior to removal of shores and forms from beams and structural slabs | <input type="checkbox"/> <b>Inspection of Driven Deep Foundations</b>        |
| <input type="checkbox"/> Reinforcement (common, not req'd)  | <input type="checkbox"/> <b>Inspection of Cast-in-place Deep Foundations</b> |

### Inspection of Steel

- |  |  |
|--|--|
| <input type="checkbox"/> Fabrication process   | <input type="checkbox"/> <b>Inspection of Helical Pile Foundations</b>                       |
| <input type="checkbox"/> Material verification of high-strength bolts, nuts and washers                                  | <input type="checkbox"/> <b>Inspection of Sprayed Fire-resistance Materials</b>              |
| <input type="checkbox"/> Inspection of high strength bolts   | <input type="checkbox"/> <b>Inspection of Mastic and Intumescent Fire-resistant Coatings</b> |
| <input type="checkbox"/> Inspection of welding   | <input type="checkbox"/> <b>Testing of Smoke Control Systems</b>                             |
| <input type="checkbox"/> Inspection of steel frame joint details for compliance with the approved construction documents | <input type="checkbox"/> <b>Risk Category IV Structures</b>                                  |
| <input type="checkbox"/> Inspection of steel joists and girders  | <input type="checkbox"/> <b>Other:</b> _____   |

### Inspection of Wood Construction

- Metal plate-connected wood trusses spanning 60 feet or greater

**Design Professional in Responsible Charge:** \_\_\_\_\_

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

*A final report documenting the required special inspections and tests, and correction of any discrepancies noted in the inspections or tests, shall be submitted by the special inspection agency or agent prior to issuance of the certificate of occupancy.*