

Project: The Francis
Date Prepared: 7/18/16

Structural Statement of Special Inspections

Project: *The Francis Hotel/ Restaurant*

Location: *749 Congress St.*

Owner: *747 Congress LLC, 190 US Route One Box 294 Falmouth, ME 04105*

This *Statement of Special Inspections* encompass the following discipline: **Structural**

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 Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator shall keep records of all Structural inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). 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 Structural 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 Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO.

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 to the BCO 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.

Interim Report Frequency: *Upon request of Building Official* _____ or per attached schedule.

Prepared by:

Aaron C. Jones, P.E.

(type or print name of the Structural Registered Design Professional in Responsible Charge)


Signature

7/18/16
Date



Owner's Authorization:

Building Code Official's Acceptance:

Signature

Date

Signature

Date

Project: The Francis
Date Prepared: 7/18/16

Structural Statement of Special Inspections (Continued)

List of Agents

Project: *The Francis Hotel/ Restaurant*
 Location: *749 Congress St.*
 Owner: *747 Congress LLC, 190 US Route One Box 294 Falmouth, ME 04105*

This *Statement of Special Inspections* encompass the following discipline: **Structural**

(Note: Statement of Special Inspections for other disciplines may be included under a separate cover)

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- Soils and Foundations
- Cast-in-Place Concrete
- Precast Concrete System
- Masonry Systems
- Structural Steel
- Wood Construction
- Special Cases

| Special Inspection Agencies | Firm | Address, Telephone, e-mail |
|---|--|--|
| 1. STRUCTURAL Special Inspections Coordinator (SSIC) | <i>Structural Integrity Consulting Engineers Inc</i> | <i>77 Oak St. Portland, Maine 207-774-4614 Aaron@structuralinteg.com</i> |
| 2. Special Inspector (SI 1) | <i>TBD</i> | <i>TBD</i> |
| 3. Special Inspector (SI 2) | <i>TBD</i> | <i>TBD</i> |
| 4. Testing Agency (TA 1) | <i>TBD</i> | <i>TBD</i> |
| 5. Testing Agency (TA 2) | <i>TBD</i> | <i>TBD</i> |
| 6. Other (O1) | <i>TBD</i> | <i>TBD</i> |

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Structural Schedule of Special Inspections

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. *NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.*

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

| | |
|-------|---|
| PE/SE | Structural Engineer – a licensed SE or PE specializing in the design of building structures |
| PE/GE | Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations |
| EIT | Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination |

Experienced Testing Technician

| | |
|-----|---|
| ETT | Experienced Testing Technician – An Experienced Testing Technician with a minimum 5 years experience with the stipulated test or inspection |
|-----|---|

American Concrete Institute (ACI) Certification

| | |
|----------|---|
| ACI-CFTT | Concrete Field Testing Technician – Grade 1 |
| ACI-CCI | Concrete Construction Inspector |
| ACI-LTT | Laboratory Testing Technician – Grade 1&2 |
| ACI-STT | Strength Testing Technician |

American Welding Society (AWS) Certification

| | |
|--------------|--------------------------------------|
| AWS-CWI | Certified Welding Inspector |
| AWS/AISC-SSI | Certified Structural Steel Inspector |

American Society of Non-Destructive Testing (ASNT) Certification

| | |
|------|---|
| ASNT | Non-Destructive Testing Technician – Level II or III. |
|------|---|

International Code Council (ICC) Certification

| | |
|----------|--|
| ICC-SMSI | Structural Masonry Special Inspector |
| ICC-SWSI | Structural Steel and Welding Special Inspector |
| ICC-SFSI | Spray-Applied Fireproofing Special Inspector |
| ICC-PCSI | Prestressed Concrete Special Inspector |
| ICC-RCSI | Reinforced Concrete Special Inspector |

National Institute for Certification in Engineering Technologies (NICET)

| | |
|-----------|--|
| NICET-CT | Concrete Technician – Levels I, II, III & IV |
| NICET-ST | Soils Technician - Levels I, II, III & IV |
| NICET-GET | Geotechnical Engineering Technician - Levels I, II, III & IV |

Other

Structural Schedule of Special Inspections SOILS & FOUNDATION CONSTRUCTION

| VERIFICATION AND INSPECTION | Y/N | EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE | COMMENTS | AGENT | AGENT QUALIFICATION | TASK COMPLETED |
|---|-----|--|--------------|-------|------------------------|-------------------|
| IBC Section 1704.7, 1704.8, 1704.9 | | | | | | |
| 1. Verify existing soil conditions, fill placement and load bearing requirements | | | | | | |
| a. Prior to placement of prepared fill, determine that the site has been prepared in accordance with the approved soils report. | Y | P | IBC 1704.7.1 | | PE/GE, EIT or ETT | |
| b. During placement and compaction of fill material, verify material being used and maximum lift thickness comply with the approved soils report. | Y | P | IBC 1704.7.2 | | PE/GE, EIT or ETT | |
| c. Test in-place dry density of compacted fill complies with the approved soils report. | Y | P | IBC 1704.7.2 | | PE/GE, EIT or ETT | |

Structural Schedule of Special Inspections CONCRETE CONSTRUCTION

| VERIFICATION AND INSPECTION | Y/N | EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE | COMMENTS | AGENT | AGENT QUALIFICATION | TASK COMPLETED |
|---|-----|--|--|-------|------------------------|-------------------|
| IBC Section 1704.4 | | | | | | |
| 1. Inspection of reinforcing steel and placement | Y | P | ACI 318: 3.5, 7.1-7.7 | | PE/SE or EIT | |
| 3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased | Y | C | IBC 1912.5 | | PE/SE or EIT | |
| 4. Verifying use of required design mix | Y | P | ACI 318: Ch 4, 5.2-5.4 | | PE/SE or EIT | |
| 5. At time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content test and temperature | Y | C | ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8 | | ACI-CFTT or ACI-STT | |
| 7. Inspection for maintenance of specified curing temperature and techniques | Y | P | ACI 318: 5.11-5.13 | | PE/SE or EIT | |

Structural Schedule of Special Inspections SEISMIC RESISTANCE - STRUCTURAL

| | | | | | | |
|---|---|---|------------|--|--------------|--|
| 3. Structural wood: | | | | | | |
| b. Periodic special inspections for nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system, including drag struts, braces and hold-downs | Y | P | IBC 1702.3 | | PE/SE or EIT | |

Quality Assurance Plan – Seismic and Wind

QUALITY ASSURANCE FOR SEISMIC RESISTANCE CHECK LIST [IBC 1705]

Seismic Design Category II

FOR SEISMIC DESIGN CATEGORY C OR HIGHER:

Structural:

The seismic-force-resisting systems

Steel Braced Frames and associated connections/anchorage

Steel Moment Frames and associated connections

Shear walls: CMU Wood Concrete Diaphragms: Floor Roof

Other:

QUALITY ASSURANCE FOR WIND RESISTANCE CHECK LIST [IBC 1706]

Wind Exposure Category C

| REQUIRED | NOT REQUIRED | NOT APPLICABLE | QUALITY ASSURANCE PLAN REQUIREMENTS (A Quality Assurance Plan is required where indicated below) |
|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | In wind exposure Categories A and B, where the 3-second-gust basic wind speed is 120 miles per hour (mph) (52.8 m/sec) or greater. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | In wind exposure Categories C and D, where the 3-second-gust basic wind speed is 110 mph (49 m/sec) or greater. |

Prepared by:

Building Code Official's Acceptance:

Aaron C. Jones

7/1/16

Signature

Date

Signature

Date

Contractor's Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated in the Quality Assurance Plan must submit a Statement of Responsibility. The Statement of Responsibility is required for Seismic Design Category C or higher. Make additional copies of this form as required.

Project: *The Francis Hotel/ Restaurant*

Location: *749 Congress St.*

Owner: *747 Congress LLC, 190 US Route One Box 294 Falmouth, ME 04105*

Contractor's Name:

Address:

License No.:

Description of designated building systems and components included in the Statement of Responsibility:

Contractor's Acknowledgment of Special Requirements

I hereby acknowledge that I have received, read, and understand the Quality Assurance Plan and Special Inspection program.

I hereby acknowledge that control will be exercised to obtain conformance with the construction documents approved by the Building Official.

Signature

Date

Contractor's Provisions for Quality Control

Procedures for exercising control within the contractor's organization, the method and frequency of reporting and the distribution of reports is attached to this Statement.

Identification and qualifications of the person(s) exercising such control and their position(s) in the organization are attached to this Statement.