

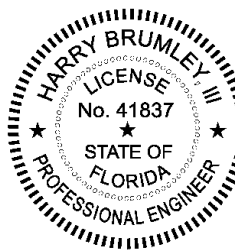
# SPECIAL THRESHOLD BUILDING STRUCTURAL INSPECTION SPECIFICATION



## TOWNEPLACE SUITES LAKE CITY, FLORIDA

FEBRUARY 21, 2022

HB JOB#:21-01



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# **SPECIAL THRESHOLD BUILDING STRUCTURAL INSPECTION**

**TOWNEPLACE SUITES  
LAKE CITY, FLORIDA**

## **PART 1. - GENERAL**

### **1.01 SCOPE**

- A. The purpose of this inspection, as required by chapters 471 and 553 of the Florida Statutes, is to assure that good practices are followed in constructing the project in accordance with the design and the construction documents in order to assure the public of the safe construction and subsequent use of the structure.

### **1.02 RESPONSIBILITY OF CONTRACTOR**

- A. This inspection does not relieve the Contractor of his responsibility to do the work properly in accordance with the Contract Documents.
- B. This inspection does not relieve the Contractor of his responsibilities to carry out his quality control inspections and testings.

### **1.03 QUALIFICATIONS OF THRESHOLD INSPECTOR**

- A. Only Architects and Engineers registered in the State of Florida, licensed as Special Inspector, can assume the responsibilities of a Special Inspector.
- B. The Special Inspector shall have all the qualifications as outlined by the Board of Building Codes and Standards, and these qualifications must be acceptable to the enforcing agency having jurisdiction for this project.
- C. If the quality of inspection performed by the Special Inspector is not as specified herein, the Architect and the Structural Engineer of record may recommend his removal from the project to the Enforcing Agency.

### **1.04 OTHER REQUIREMENTS**

- A. The Contractor shall cooperate with and assist the Special Inspector in performing his inspection duties as specified below. The Special Inspector shall have free access to the project at all times.
- B. The cost of employing the Special Inspector shall be the responsibility of the owner.

- C. The Special Inspector shall be responsible to the enforcing agency having jurisdiction for this project.
- D. Final interpretation of the Contract Documents shall rest with the Architect and the Engineer.
- E. The Special Inspector shall be totally familiar with the intent, the content and the provisions of the Contract Documents relating to the part of the project under his inspection responsibility.

## **PART 2. – PROCEDURES**

### **2.01 GENERAL PROCEDURES**

- A. The Contractor shall advise the Special Inspector in advance of construction schedules and planned operations in order to assure timely and appropriate observation and inspection of items specified below.
- B. The Special Inspector shall cooperate with the Contractor, and shall refrain from running the job for the Contractor, as this is expressly not part of the Special Inspection Function.
- C. The Special Inspector shall immediately alert the Contractor of all discrepancies and deviations from the Contract Documents.
- D. The Contractor shall, upon being informed by the Special Inspector, immediately cause to eliminate such discrepancies and deviations from the Contract Documents.

### **2.02 REPORTING**

- A. The Special Inspector shall maintain daily logs and submit weekly reports to the enforcing agency having jurisdiction for the project.
- B. The Special Inspector shall submit his reports to the enforcing agency having jurisdiction for the project. In addition, the Special Inspector shall submit copies of his report to the Architect and Engineer and to the Contractor.
- C. Special Inspection Reports shall be submitted within 24 hours of the date and time of the inspection.

## **2.03 FINAL STATEMENT OF COMPLIANCE**

- A. Upon completion of the building and prior to the issuance of a Certificate of Occupancy, a signed and sealed statement by the Special Inspector must be submitted to the Enforcing Agency, stating that the part of the project under his inspection responsibilities has been constructed in accordance with the Contract Documents. This statement shall be in accordance with Section 553.79(7)a of Florida Statutes.

## **PART 3. – EXECUTION**

### **3.01 FOUNDATION WORK**

- A. Inspect footings and the subgrade preparation in general. Notify Architect if concrete operations commence prior to conducting the required tests on the subgrade.
- B. Inspect reinforcing steel placement in the footings. Check for:
  - 1. Proper size, grade, number and spacing of reinforcing
  - 2. Proper support and clearance of the reinforcing
- C. Inspect column and wall dowels (and anchor bolts) from footings. Check for:
  - 1. Location, alignment of column and wall dowels (and anchor bolts)
  - 2. Size, grade, and number of reinforcing
  - 3. Proper supports of dowels
  - 4. Length of lap with the column reinforcing (projection of anchor bolt)
  - 5. Proper clearances to concrete surfaces
- D. Assure that testing of the concrete is conducted in accordance with the Contract Documents.
- E. Assure that concreting operations are in accordance with the Contract Documents.

### **3.02 CONCRETE COLUMNS**

- A. Inspect column reinforcing. Check for:
  - 1. Number, grade and size of vertical bars
  - 2. Spacing between vertical bars

3. Size, configuration and spacing of lateral column ties
4. Length of laps
5. Proper clearances to concrete surfaces
6. Clearance between embedded items and reinforcing

B. Inspect column forms. Check for:

1. Finish column size
2. Form tightness
3. Adequacy of form ties to support forms
4. Adequacy of form braces where required

C. Assure that testing of the concrete is conducted in accordance with the Contract Documents.

D. Assure that concreting operations are in accordance with the Contract Documents.

### **3.03 CAST-IN-PLACE/MISCELLANEOUS CONCRETE**

A. Inspect reinforcing in concrete members. Check for:

1. Number, grade, and size of bars
2. Spacing between bars
3. Proper clearances to concrete surface
4. Proper member placement

B. Inspect forms. Check for:

1. Finish size
2. Form tightness
3. Adequacy of form ties to support forms
4. Adequacy of form braces where required

C. Assure that testing of the concrete is conducted in accordance with the Contract Documents.

D. Assure that concreting operations are in accordance with the Contract Documents.

### **3.04 PRECAST CONCRETE**

A. Inspect precast members. Check for:

1. Damaged members

2. Bearing conditions
3. Proper member type and size
4. Proper member placement
5. Excessive camber
6. Proper sleeve/opening sizes and locations

### **3.05 MASONRY**

A. Inspect masonry units. Check for:

1. Proper unit type and strength
2. Dryness and cleanliness of units
3. Broken units

B. Inspect reinforcement. Check for:

1. Number, grade and size of vertical reinforcing bars
2. Spacing between vertical bars
3. Size, configuration and spacing of lateral reinforcing bars or joint reinforcement
4. Length of laps
5. Proper clearances to masonry surfaces
6. Clearance between embedded items and reinforcing
7. Anchor placement

C. Inspect grout and mortar. Check for:

1. Proper materials and strength
2. Proper mixing

D. Inspect placement of masonry. Check for:

1. Proper bond pattern
2. Placement and cleanliness of cleanouts
3. Proper mortar and grout placement
4. Plumbness of masonry
5. Bracing of masonry

### **3.06 STRUCTURAL STEEL**

A. Inspect structural steel members. Check for:

1. Damaged, kinked members
2. Joint preparation
3. Proper erection marking

4. Steel type and size
5. Proper member placement

B. Inspect shoring and temporary bracing. Check for:

1. Tightness
2. Alignment of plumbness
3. Adjustability
4. Erection Bolts

C. Inspect bolted connections. Check for:

1. Correct bolt and plate sizes
2. Correct tightness

D. Inspect welded connections. Check for:

1. Correct welding rods and materials
2. Correct welding procedure
3. Proper weld size and strength

### **3.07 COLD FORMED STRUCTURAL STEEL**

A. Inspect structural steel members. Check for:

1. Damaged, kinked members
2. Joint preparation
3. Proper erection marking
4. Steel type and size
5. Proper member placement

B. Inspect connections. Check for:

1. Proper fasteners
2. Proper number of fasteners

**END OF SPECIFICATION**