

# EXISTING BUILDING SAFETY INSPECTION REPORT FORM (STRUCTURAL)

**INSPECTION COMMENCED****Date:****INSPECTION MADE BY:****SIGNATURE:****INSPECTION COMPLETED****Date:****PRINT NAME:****TITLE:****ADDRESS:****1. DESCRIPTION OF STRUCTURE**

- a. Name on Title:
- b. Street Address:
- c. Legal Description:
- d. Owner's Name:
- e. Owner's Mailing Address:
- f. Folio Number of Property on which Building is Located:
- g. Building Code Occupancy Classification:
- h. Present Use:
- i. General Description:

**Addition Comments:**

- j. Additions/Alterations/Repairs to original structure:

## **2. PRESENT CONDITION OF STRUCTURE**

**a. General alignment (Note: good, fair, poor, explain if significant)**

1. Bulging
2. Settlement
3. Deflections
4. Expansion
5. Contraction

**b. Portion showing distress (Note, beams, columns, structural walls, floor, roofs, other)**

**1. Surface conditions – describe general conditions of finishes and sealants, noting cracking, spalling, peeling, signs of moisture penetration and stains.**

**c. Cracks – note location in significant members. Identify crack size as HAIRLINE if barely discernible; FINE if less than 1 mm in width; MEDIUM if between 1 and 2 mm width; WIDE if over 2 mm.**

**d. General extent of deterioration – cracking or spalling of concrete or masonry, oxidation of metals; rot or borer attack in wood.**

**e. Previous patching or repairs**

**f. Nature of present loading indicate residential, commercial, other estimate magnitude.**

### **3. INSPECTIONS**

- a. Date of notice of required inspection**
- b. Date(s) of actual inspection**
- c. Name and qualifications of individual submitting report:**
  
- d. Description of laboratory or other formal testing, if required, rather than manual or visual procedures**
  
- e. Structural repair – note appropriate line:**
  - 1. None required
  - 2. Required (describe and indicate acceptance)

### **4. SUPPORTING DATA**

- a.** sheet written data
- b.** photographs
- c.** drawings or sketches

### **5. MASONRY BEARING WALL = Indicate good, fair, poor on appropriate lines:**

- a. Concrete masonry units**
- b. Clay tile or terra cotta units**
- c. Reinforced concrete tie columns**
- d. Reinforced concrete tie beams**
- e. Lintel**
- f. Other type bond beams**
- g. Masonry finishes – exterior**
  - 1. Stucco
  - 2. Veneer
  - 3. Paint only
  - 4. Other (describe)

**h. Masonry finishes – interior**

1. Vapor barrier
2. Furring and plaster
3. Paneling
4. Paint only
5. Other (describe)

**i. Cracks**

1. Location – note beams, columns, other
2. Description

**j. Spalling**

1. Location – note beams, columns, other
2. Description

**k. Rebar corrosion – check appropriate line**

1. None visible
2. Minor – patching will suffice
3. Significant – but patching will suffice
4. Significant – structural repairs required

**l. Samples chipped out for examination in spall areas:**

1. No
2. Yes – describe color, texture, aggregate, general quality

## **6. FLOOR AND ROOF SYSTEM**

### **a. Roof**

1. Describe (flat, slope, type roofing, type roof deck, condition)
2. Note water tanks, cooling towers, air conditioning equipment, signs, other heavy equipment and condition of support:
3. Note types of drains, scuppers and flashing and respective condition:

### **b. Floor system(s)**

1. Describe (type of system framing, material, spans, condition)

### **c. Inspection – note exposed areas available for inspection, and where it was found necessary to open ceilings, etc. for inspection of typical framing members.**

## **7. STEEL FRAMING SYSTEM**

### **a. Description**

### **b. Exposed Steel – describe condition of paint and degree of corrosion**

### **c. Concrete or other fireproofing – note any cracking or spalling and note where any covering was removed for inspection**

### **d. Elevator sheave beams and connections, and machine floor beams – note condition:**

## **8. CONCRETE FRAMING SYSTEM**

### **a. Full description of structural system**

### **b. Cracking**

1. Not significant
2. Location and description of members affected and type cracking

### **c. General condition**

### **d. Rebar corrosion – check appropriate line**

1. None visible
2. Location and description of members affected and type cracking
3. Significant but patching will suffice
4. Significant – structural repairs required (describe)

### **e. Samples chipped out in spall areas:**

1. No
2. Yes, describe color, texture, aggregate, general quality:

## **9. WINDOWS AND DOORS**

- a. Type (Wood, steel, aluminum, jalousie, single hung, double hung, casement, awning, pivoted, fixed, other)**
- b. Anchorage – type and condition of fasteners and latches**
- c. Sealant – type of condition of perimeter sealant and at mullions:**
- d. Interiors seals – type and condition at operable vents**
- e. General condition:**

## **10. WOOD FRAMING**

- a. Type – fully describe if mill construction, light construction, major spans, trusses:**
- b. Note metal fitting i.e., angles, plates, bolts, split pintles, other, and note condition:**
- c. Joints – note if well fitted and still closed:**
- d. Drainage – note accumulations of moisture**
- e. Ventilation – note any concealed spaces not ventilated:**
- f. Note any concealed spaces opened for inspection:**