



# Building Structures--Foundation Questions

Event/Date: \_\_\_\_\_ Investigator: \_\_\_\_\_

Short description of observation: \_\_\_\_\_ Date of observation: \_\_\_\_\_

## I. Location (please be as detailed as possible)

Number	Address Street (indicate street, road, avenue, lane, etc.)	Additional Address (room, suite, floor, etc.)	City	State	Zip	Country

Alternative description or name: \_\_\_\_\_

### Map Reference

Latitude	Longitude	Direction	Thomas Bros. Page No.
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## II. Building Behavior

What type of foundation is there for the building?

- Reinforced concrete mat slab
- Reinforced concrete spread or continuous footings
- Concrete slab-on-grade
- Masonry foundation
- Stone foundation
- Pile foundation
- Caisson foundation
- Other \_\_\_\_\_

Is there excessive vertical foundation movement?

- No vertical movement
- Punching of columns relative to footing or slab-on-grade
- Rotation of columns relative to footing or slab-on-grade
- Gaps under footings
- Rocking of footings
- Damage to grade beams
- Settlement of foundations
- Tension cracks in piles
- Other \_\_\_\_\_

Is there excessive horizontal foundation movement?

- No horizontal movement
- Open cracks in basement slab
- Cracks and/or offsets in basement walls
- Open cracks between backfill and foundation walls
- Rotation of footings
- Cracking of pile foundations
- Rupture of pile foundations
- Cripple wall failure
- Other \_\_\_\_\_

What is the condition of the backfill around the structure?

- No damage
- Water presence
- Cracks
- Subsidence
- Slumping
- Movement of attachments (stairs, walks, etc.)
- Breakage of utility lines
- Other \_\_\_\_\_

Are there any surface ground ruptures in soils around the building?

- Yes (vertical offset)
- Yes (horizontal offset)
- No

Did subsoil liquefaction (sand boils) occur?

- Unknown
- Yes
- No

What is the condition of the basement walls?

- Unknown
- N/A
- Poor
- Fair
- Good

Are there any horizontal cracks in the basement walls that indicate high dynamic soil pressure?

- Unknown
- Yes
- No



## Building Structures--Foundation Questions

### II. Building Behavior (cont.)

Is there any evidence of pre-existing deterioration of the foundation?

- Unknown
- Yes
- No

Is there any fault displacement present?

- Unknown
- Yes
- No

Sketches/Comments: