



# Building Structures--Prestressed Concrete Buildings

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

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

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

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

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

### Map Reference

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

What type of prestress system is used?

- Post-tensioned members with grouted tendons
- Post-tensioned members without grouted tendons
- Pre-tensioned members
- Other \_\_\_\_\_

What type of tendions are used:

- Unknown
- Bars
- Wires
- Strand
- Cables
- Other \_\_\_\_\_

What type of anchorage was used?

- Unknown
- One-end threaded anchorage
- Both ends threaded anchorage
- One-end mechanical fastener
- Both ends mechanical fastener
- Other \_\_\_\_\_

How did the anchorage perform?

- Unknown
- Poor
- Fair
- Good

Are there any problems due to poor material quality?

- Unknown
- Yes
- No

Where did the failures occur?

- Unknown
- Failure of prestressed members
- Failure of other structural members
- Failure at joints between prestressed and nonprestressed members
- Failure at joints between prestressed members
- Other \_\_\_\_\_

Did cracking occur due to vertical motions?

- Unknown
- Yes
- No

Did cracking occur due to reversals?

- Unknown
- Yes
- No

Are there any failures at the prestressed slab to wall connections?

- Unknown
- No failures
- Slip planes
- Shear cracking
- Tension cracking
- Other \_\_\_\_\_

Did poor design or construction initate failures?

- Unknown
- Yes
- No



## II. Building Behavior (cont.)

Sketches/Comments: