



Building Structures--Roof/Floor Diaphragm 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 is the diaphragm?

- Wood sheathed
- Metal decking
- Metal decking with concrete fill
- Precast concrete panels without topping slab
- Precast concrete panels with topping slab
- Cast-in-place concrete flat slab
- Cast-in-place concrete flat slab with drop panels
- Cast-in-place concrete waffle slab
- Cast-in-place concrete one-way slab
- Cast-in-place concrete two-way slab
- Post-tensioned concrete slab
- Pre-tensioned concrete slab
- Other _____

Rate the performance of the diaphragm:

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

How did the building perform at diaphragm discontinuities?

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

How did the building perform at reentrant corners?

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

Was the diaphragm capable of transferring forces to lateral load resisting elements?

- Unknown
- Yes
- No

Did the diaphragm provide lateral support to any load bearing external walls?

- Unknown
- N/A
- Yes
- No

How well did the diaphragm to wall connections perform?

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

Did diaphragm deformations contribute to building damage?

- Unknown
- Yes
- No

How well did the chord elements perform?

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



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II. Building Behavior (cont.)

How well did the drag struts perform?

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

How well did the continuity ties perform?

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

At points of concentrated loading, rate the performance of the diaphragm webs.

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

Is there any evidence of pre-existing deterioration?

- Unknown
- Yes
- No

Sketches/Comments: