Building Structures--Roof/Floor Diaphragm Questions

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 _____________________________

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 did the building perform at diaphragm discontinuities?

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

How well did the chord elements perform?

- Unknown
- N/A
- Poor
- Fair
- Good
II. Building Behavior (cont.)

How well did the drag struts 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

How well did the continuity ties perform?
- Unknown
- N/A
- Poor
- Fair
- Good

Is there any evidence of pre-existing deterioration?
- Unknown
- Yes
- No

Sketches/Comments: