



Building Structures--Timber Frame 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

How many shear walls are there in the building?

Value: _____

How are the shear walls placed:

- Unknown
- Symmetrically
- Unsymmetrically
- Other _____

Were there failures in any of the following categories?

- No failures
- Bolting
- Connection eccentricities
- Edge distances
- Bearing area
- Split or checked material
- Other _____

Which types of pre-existing deterioration were present in the building?

- None
- Dry Rot
- Pest infestation
- Rusted connections
- Other _____

Did this deterioration affect building performance?

- Unknown
- Yes
- No

Did the design drawing details match the as-built construction?

Pay close attention to failed details.

- Unknown
- Yes
- Partially
- No

What types of connections are present?

- Unknown
- Engineered metal connectors
- Nailed
- Bolted
- Wood joinery
- Other _____

How did the shear walls perform?

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

What type of sheathing was used?

- Unknown
- Plywood
- OSB
- Gypsum wall board
- Straight or diagonal boards
- Other _____

How was the sheathing connected at joints?

- Unknown
- Blocking
- Metal straps
- Other _____



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II. Building Behavior (cont.)

What type of sheathing fasteners are used?

- Nails
- Screws
- Other _____

What is the condition of the sheathing fasteners?

- Good
- Rusted
- Pulling out of wood
- Other _____

Did buckling, splitting or delamination of sheathing occur?

- Unknown
- Yes
- No

Were the ties, struts, chords or other members transferring concentrated loads among elements of the structure adequate?

- Unknown
- Yes
- Partially
- No

How was the structure connected to the foundation?

- Cast-in-place anchor bolts through the sill plate
- Epoxy anchor bolts through the sill plate
- Metal straps
- Other _____

Did the building move off its foundation or exhibit permanent story drift?

- Unknown
- Yes
- No

What type is the roof?

- Hipped roof
- Gabled roof
- Mansard roof
- Flat roof
- Other _____

What is the type of roof covering?

- Ceramic tile
- Tar and gravel
- Asphalt shingles
- Wood shingles
- Other _____

Is there roof damage?

- Unknown
- Yes
- No
- Chimney damage
- Other _____

What material is the chimney?

- Masonry
- Metal
- Concrete
- Other _____

How did the chimneys perform?

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

Sketches/Comments: