



Building Structures--Steel Moment-Resisting 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

What is the behavior of the frames as a whole?

- Unknown
- Poor
- Fair
- Good

Is there failure in weld regions?

- None
- Cracks
- Laminar tearing
- Laminations
- Other _____

What is the primary failure mode?

- Yielding of beams
- Yielding of columns
- Yielding of connections
- Other _____

Is there any buckling in the members?

- Yes
- No

Is there damage to the nonstructural elements?

- No damage
- Infill walls
- Stairs
- Partitions
- Cladding
- Other _____

What is the relative strength of beams and columns?

- Strong column/weak beam
- Strong beam/weak column
- Same

Are there failures and signs of distress at the column splices?

- Unknown
- Yes
- No

Did the nonstructural elements interact with the frame to escalate the structural damage?

- Unknown
- Yes
- No

Did heavy jumbo sections perform differently than the rest of the structure?

- Unknown
- Yes
- No

What types of connections are present?

- Welded
- Bolted
- Riveted
- Other _____

Are there failures and signs of distress at joint and member offsets?

- Unknown
- Yes
- No

Are there failures and signs of distress at the joints?

- Unknown
- Yes
- No



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II. Building Behavior (cont.)

Was there any tendency to develop a general plastic mode as indicated by permanent story drift?

- Unknown
- Yes
- No

Is there plastic hinge development in columns?

- Unknown
- Yes
- No

Is there plastic hinge development in beams?

- Unknown
- Yes
- No

How did column bases behave?

- Unknown
- Poor
- Fair
- Good

What caused failure in the column base?

- No failure
- Anchor bolt behavior
- Local column buckling
- Connection material
- Grout
- Other _____

Sketches/Comments: