II. Building Behavior

What is the type of masonry structure?

☐ Unknown
☐ Brick masonry
☐ Concrete masonry units
☐ Stone masonry
☐ Other ____________________________

How many wythes are there in the lower floors?

Value: ____________________________

How many wythes are there in the upper floors?

Value: ____________________________

How are the wythes joined together?

☐ Unknown
☐ N/A
☐ Not joined
☐ Interlocking blocks
☐ Steel ties
☐ Seperated by a filled cavity with no ties
☐ Exterior metal anchors
☐ Other ____________________________

Rate the quality of the workmanship in the application of the grout/mortar.

☐ Unknown
☐ Poor
☐ Fair
☐ Good

Is this a corner building?

☐ Yes
☐ No

Is this a building within the interior of a block?

☐ Yes
☐ No

Are the shear walls load-bearing?

☐ Unknown
☐ Yes
☐ No
II. Building Behavior (cont.)

Are there adequate boundary elements in the shear walls?
- [ ] Unknown
- [ ] Yes
- [ ] No

What structural damage is present?
- [ ] No damage
- [ ] Fallen elements
- [ ] Chimney collapse
- [ ] Veneer delamination
- [ ] Parapet failure
- [ ] Individual blocks fallen
- [ ] Wythes separated
- [ ] Corner cracking (roof)
- [ ] Corner cracking (floors)
- [ ] Out-of-plane wall failure
- [ ] Diaphragm failure
- [ ] Separation of wall and floor
- [ ] Separation of wall and roof
- [ ] Horizontal cracks at anchorline
- [ ] Horizontal cracks at top of wall
- [ ] Horizontal cracks at bottom of wall
- [ ] Cracks at corners of openings
- [ ] Spandrel cracks
- [ ] Pier cracks
- [ ] ‘X’ shear cracks
- [ ] Other __________________________

Through which medium do most cracks generate?
- [ ] No cracks
- [ ] Mortar
- [ ] Masonry units
- [ ] Joints
- [ ] Other __________________________

Is there evidence of permanent drift?
- [ ] Unknown
- [ ] Yes
- [ ] No

Is there any damage from the debris of adjacent buildings?
- [ ] Unknown
- [ ] Yes
- [ ] No

What type of retrofit system was applied before the earthquake?
- [ ] No retrofit
- [ ] Parapet braced
- [ ] Veneer ties
- [ ] Roof to wall anchors
- [ ] Floor to wall anchors
- [ ] Wall out-of-plane bracing
- [ ] Repointing of mortar
- [ ] Diagonal braces
- [ ] Moment frames
- [ ] Diaphragm strengthening
- [ ] Isolation
- [ ] Secondary columns at trusses and/or beams
- [ ] Bond beams at tops of walls
- [ ] Other __________________________

What is the average crack width?
- [ ] None
- [ ] Hairline
- [ ] < 0.8 mm (1/32 in)
- [ ] ~1.6 mm (1/16 in)
- [ ] ~3.2 mm (1/8 in)
- [ ] ~6.4 mm (1/4 in)
- [ ] > 12.7 mm (1/2 in)

Is there evidence of damage in any retrofit element?
- [ ] Unknown
- [ ] Yes
- [ ] No

Sketches/Comments: