

BUILDING DAMAGE ASSESSMENT

BUILDING NAME : _____ NO: _____

LONGITUDE-LATITUDE: _____ NO OF STORIES: _____

ADDRESS: _____

INSPECTION DATE: _____

ENVELOPE

(FRANCIS D.K. CHING, P.145)

- What is the materiality of the façade?

- ☐ Brick + windows
 - ☐ Stone-concrete + windows
 - ☐ Curtain walls
 - ☐ Other (describe)
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- What is the approximate window-to-wall ratio?
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- Are there broken trees leaning on the envelope?

- ☐ Yes
- ☐ No

- How many faces of the building are not blocked by neighboring building (i.e. open to the street)

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

- Which describes best the overall damage of the envelope's windows?

- ☐ Light damages (some windows broken)
- ☐ Medium damages (many windows broken)
- ☐ High damages (all windows broken)

- Which describes best the overall damage of the envelope's walls?

- ☐ Light damages (light perforation of the walls)
- ☐ Medium damages (apparent crumbling of the walls)
- ☐ High damages (extensive destruction of the walls)

STRUCTURE

(FRANCIS D.K. CHING, P.49)

- If possible, what is the materiality of the structure?
 - ☐ Concrete
 - Reinforced concrete (rebar)?
 - ☐ Yes
 - ☐ No
 - ☐ Not sure
 - ☐ Steel
 - ☐ Wood
 - If apparent from the street, check any of the following structural damages:
 - ☐ Rupture of the continuity (columns)
 - ☐ Rupture of the continuity (beams)
 - ☐ Rupture of the continuity (slabs)
 - ☐ Apparent misalignment of columns (i.e. displaced from the original axis)
 - ☐ Structure open to the elements (i.e. no isolation between the structure and the environment)
 - ☐ New dead loads created by the demolition (i.e. a floor takes way more load than projected since an upper section of the building has collapsed over it)
 - ☐ Other (describe)
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- Which describes best the overall damage of the structure?
 - ☐ Light damages (the structural integrity is preserved)
 - ☐ Medium damages (the structural integrity is damaged but seem somewhat preserved)
 - ☐ High damages (the structural integrity is compromised)

FOUNDATION

(FRANCIS D.K. CHING, P.80)

- If apparent from the street, check any of the following structural damages to the foundation:
 - ☐ Movement of the soil (for example, chunk of the ground next to the building perforated by a bomb)
 - ☐ Rupture of continuity between the bottom of the building and connecting columns
 - ☐ Apparent damages to the foundations
 - ☐ Other (describe)
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- Which describes best the overall damage of the structure?
 - ☐ Light damages (the integrity of foundations is preserved)
 - ☐ Medium damages (the integrity of foundations is damaged but seem somewhat preserved)
 - ☐ High damages (the integrity of foundations is compromised)