

## Buildings: Commerical, Unreinforced Masonry (Team 2)

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### Questions for South Napa Earthquake Field Team

Group:

1. Please broadly summarize what you saw in the field today? What conclusions can you draw from what you have seen?
  - Damage of masonry
    - o cladding, water pipe damage nothing very new
    - o a couple of buildings (Main St. and Yount St.) had damage but were not tagged by the City at 12pm today. Did not check back later in the day.
  - AT&T building and Charles Schwab / Bay Commercial Bank
    - o AT&T building – need more information and access to the building – contact AT&T? It seems (unverified) that this was managing the 911 calls when failed
    - o Gain access to the building?
      - Probably flexible diaphragm issue
      - Remediation/Retrofit is ongoing to mitigate collapse hazard, but also to allow other neighboring buildings to open for business
  - Barricade study
    - o Vast majority was caution tape, which people tended to ignore
    - o Fences were placed around buildings with “major damage” and state/city buildings (carpe diem building) – a few of the fences did extend into the street, but not necessarily far enough
      - Is there a decision process? Related to the building height and type of fence?
    - o Things changed during the day, we are not sure how intentional (i.e. did not see police, but assume that it was done by the city /police)
    - o Distances from barricade – most of them extended the entire sidewalk independently of the building height and tied along “whatever” was there
  - On social behavior – interesting interaction with a building owner
    - o Before city officials visited the building, owner was trying to “expedite” building cleanup and to “avoid” his building being red-tagged, even though it was apparent that externally the building did not appear safe (about 12:30pm) -> he failed
    - o Sentiment of people wanting to get back to normal lives – “we want to reopen the business” “get back to normal”, and “news casters out”
    - o Public were supportive – thank yous and cookies were given out to our team
2. What in this area should investigators study tomorrow? Are there obstacles that we need to overcome (i.e. access to study this area or topic tomorrow?)
  - Gather data on building (year of construction, year of retrofit, etc)
  - Construction type - in some newer buildings it is not apparent what the structural lateral resisting system is
  - At the point where we need to get inside some of these buildings

- Get plans, which may be later down the road.
3. What future research needs to you see from this area? What comprehensive studies would be helpful? What data would be useful for these studies?
- Compare retrofit methods
  - Disaster response
  - Resilience – when does business get back
4. Have you seen items in other areas or disciplines that need further study or investigation now or as a longer term topic?
- evolution and decision of barricades
  - interaction and information to the public