

Building Assessment Team (BAT) Procedures

1) Introduction:

The role of a Building Assessment Team (BAT) member is to conduct rapid visual inspections of the **Building Exteriors** associated with your Division or Department. Because the rapid evaluations method is designed to quickly find serious damage the safety evaluations are limited and brief. BAT team members are to look for readily observable, significant structural damage and distress, unstable ground conditions, and other hazards that threaten building safety.

The following content has been adapted from the Applied Technology Council (ATC) 20 -1 Field Manual: Post Earthquake Safety Evaluation of Buildings (Second Edition, 2005.)

2) Safety:

Please adhere to the following safety considerations before proceeding with a rapid visual inspection.

- Always work in teams of at least two people
- Wear a hard hat for safety and identification
- Avoid areas where a hazardous materials release is suspected or confirmed
- Do not enter buildings, especially those already tagged as closed
- Consider your own safety
- Be aware of your surroundings
- Be alert for falling hazards

3) Step by Step Procedures:

1. Report to your Division/Department Control Center (DCC) with your Building Assessment Team Bag provided by the Safety Office. Obtain building and team assignment. *If the event has occurred after hours and your DCC has not yet convened, in teams of at least two, proceed with the assessment of your Dept's building(s) and report to the Emergency Operations Center (EOC).* The primary EOC is located in the Facilities Building, across from Chandler.
2. Survey the building from the outside
 - a. Examine the structure for damage on all sides.
 - b. Look for cracks in the walls, broken glass, concrete spalling (chipping, cracking) or other signs of damage
 - c. Examine non structural elements such as signs and ornamental/decorative features.
 - d. Look for fractures in the foundation or exposed lower walls of the building
3. Use the 8 rapid evaluation criteria found in Table 1 located on the following page and listed on the Building Assessment Team (BAT) Report, Section 1 to evaluate the building. Make sure that exits/entrances are clear and usable.
4. Examine the ground and pavement in the general area of the structure for fissures, bulged ground, or signs of slope movement.
5. Check either the Closed or Caution box on the placard provided in your folder. Ensure all exits/entrances are marked. If it is not safe to tape the sign to the door, use caution tape and

attach the sign from a safe distance. Please note that all buildings will receive a detailed evaluation by a team that has advanced training in building construction and engineering.

6. Report back to your Division/Department Control Center with the completed Building Assessment Team Report. *If your DCC has not activated send a representative or proceed to the EOC located in the Facilities bldg across from Chandler.*

Your safety is of the utmost importance. Never put yourself in a dangerous situation to conduct a building assessment.

4) Assessment:

Evaluate the structure based on the criteria listed below (Table 1). Take appropriate action based on the circumstances. Images of the first 6 circumstances can be found on the following page.

Table 1:

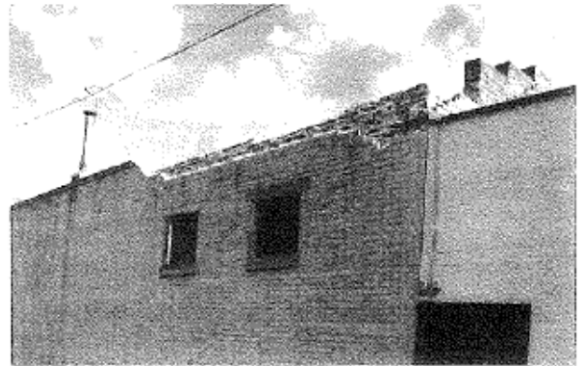
Rapid Evaluation Criteria	Action
1. Building has collapsed, partially collapsed or moved off its foundation.	Post as Temporarily Closed.
2. Building or any story is significantly out of plumb (i.e. leaning).	Post as Temporarily Closed.
3. Obvious severe damage to primary structural members, severe racking of walls, or other signs of severe damage and distress present.	Post as Temporarily Closed.
4. Obvious parapet, chimney, or other falling hazards present.	Post as Temporarily Closed and barricade and tape off unsafe area. If there is risk of falling hazards, attach Closed sign to the tape.
5. Large fissures in the ground, massive ground movement, or slope displacement is present.	Barricade the area from a safe distance and attach the Closed sign to the tape.
6. Severe window glass breakage or 'X' building cracks between windows (>60% of any story)	Post as Temporarily Closed. If there is risk of falling hazards, barricade the area with Caution tape and attach the sign to the tape.
7. Any visible indications of fire/smoke	Call 5000 (626 395 5000) to report the fire. If telephones are not working, report to the Emergency Operations Centre.
8. Any visible indication of a hazardous materials release.	Call 5000 to report Hazardous Materials release. If telephones are not working, report to the Emergency Operations Centre.

The Emergency Operations Center is located in the Facilities Building (83) directly across from Chandler.

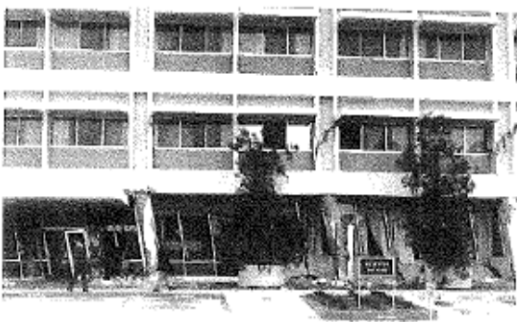
Examples:



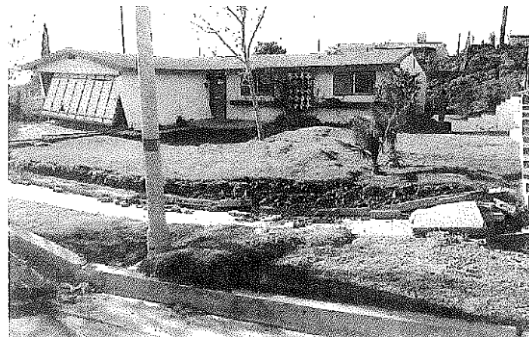
Condition 1: Collapse, partial collapse, or moved off foundation. Post as Closed.



Condition 4: Obvious falling hazards. Post as Closed and barricade area of danger.



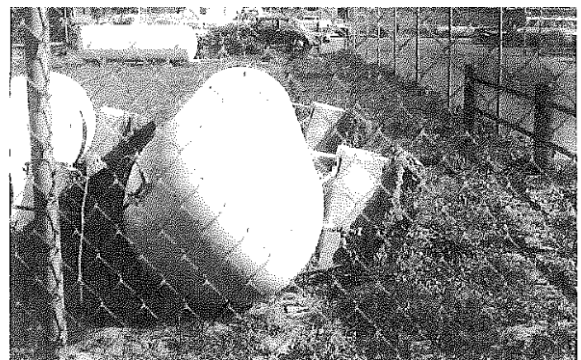
Condition 2: Building or story out of plumb (leaning). Post as Closed.



Condition 5: Severe ground displacement. Post as Closed.



Condition 3: Obvious severe damage to primary structural members, severe racking of wall. Other Severe damage or distress noted.



Condition 6: Other hazards present. Use caution tape to barricade areas of danger.

These images have been copied from the ATC 20-1 Field Manual, Second Edition.