

Summary Report for Individual Task  
052-247-1321  
Breach Light Frame Structural Components for Structural Collapse  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD1** - The materials contained in this course have been reviewed by the course developers in coordination with the Ft Leonard Wood MO/MSCOE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

**Condition:** You are a member of an Urban Search and Rescue (US&R) team given a structural collapse incident with light frame structures, sledge hammer, power saws, flat-head axe, hacksaw, bolt cutters and mission required personal protective equipment (PPE ). This task should not be trained in MOPP 4.

**Standard:** Breach light framed structural components ensuring the opening supports the rescue objectives, structural stability is maintained and the methods used are safe and efficient IAW National Fire Protection Association (NFPA) 1006 and 1670 standards.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:** Never

**Task Statements**

**Cue:** None

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** All required references and technical manuals will be provided by the local US&R Command.

**Notes:** None

## Performance Steps

### 1. Conduct a size-up.

Note: Before entering the structure(s), try normal entry points such as doors and windows before you pry.

- a. Shut down the utilities to the structure. (See task 052-247-1313)
- b. Determine the location of the structural support members.
- c. Determine the type of tools needed to perform assignment.
- d. Determine PPE requirements.

### 2. Breach wood, metal and stucco exterior frame construction materials.

- a. Determine the size and shape of the opening.
- b. Identify a point of entry by sounding the wall for exterior studs.
- c. Mark the location of the studs and area to be cut.

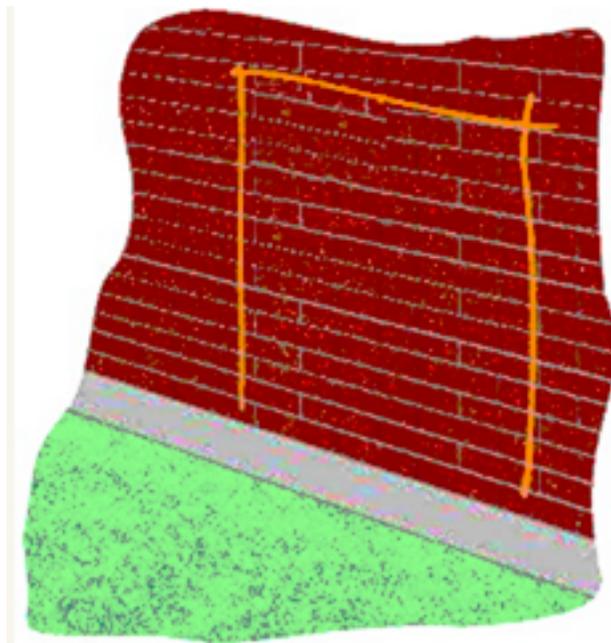


Figure 052-247-1321-1  
Marked Exterior Surface

- d. Breach the exterior surface with a striking tool.
- e. Breach the plywood sheathing layer with the appropriate tool.
  - (1) Remove the moisture barrier.
  - (2) Remove any insulation and wiring as needed.
- f. Cut an inspection hole through the inside wall.

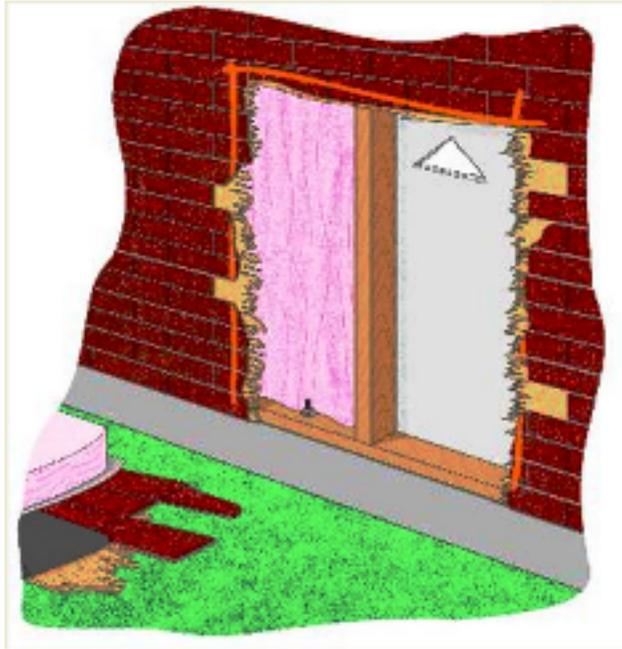


Figure 052-247-1321-2  
Interior Inspection Hole

(1) Look through the inspection hole to view any hazards or obstructions.

(2) Look for victim(s) in the immediate area of the inspection hole.

g. Increase the size of the inspection hole and remove inside wall with hand tools.



Figure 052-247-1321-3  
Interior Wall Removed

h. Remove the middle wall stud as necessary to allow rescuer entry and victim removal.

3. Breach lightweight un-reinforced concrete construction materials.

- a. Mark the area to be breached.
- b. Create an inspection hole through the outside wall.

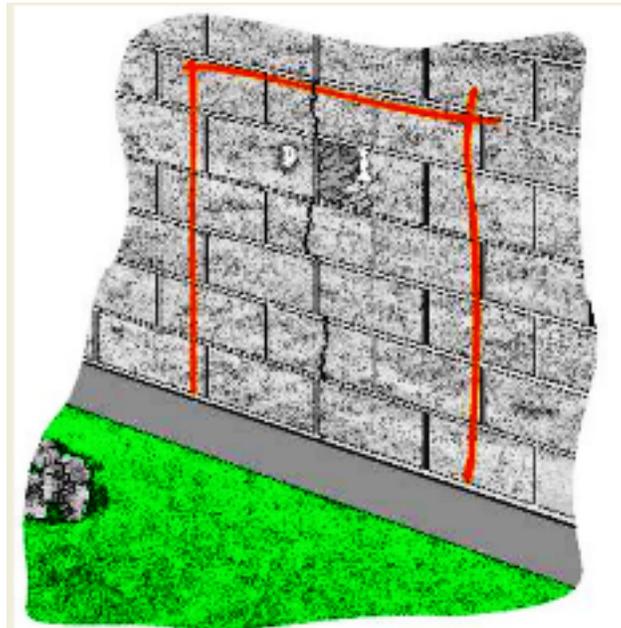


Figure 052-247-1321-4  
Inspection Hole

- (1) Strike one block until it is fractured and can be removed.
  - (2) Look through the inspection hole to view any hazards or obstructions.
  - (3) Look for victim(s) in the immediate area of the inspection hole.
- c. Systematically strike and fracture individual blocks until the marked area has been breached.

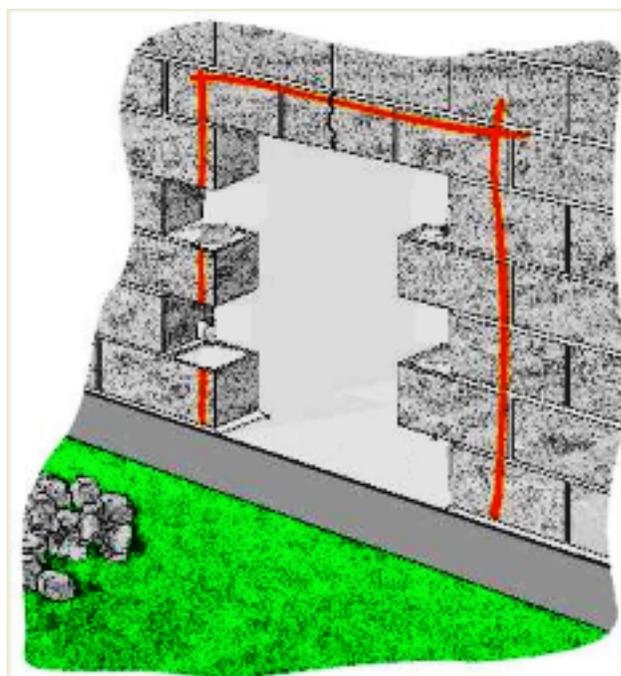


Figure 052-247-1321-5

Removed Exterior Blocks

4. Clear the opening to allow for rescuer entry into structure/void.
5. Stabilize the structure as needed. (See task 052-247-1320)

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all measures are passed (P). Score the Soldier NO- GO if any measure is failed (F). If the Soldier fails any measure, show him how to do it correctly.

**Evaluation Preparation:** Provide the Soldier with all the items listed in the conditions.  
Brief Soldier: Tell the Soldier to breach light structural components for a structural collapse.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Conducted a size-up.			
2. Breached wood, metal and stucco exterior framed construction materials.			
3. Breached lightweight, un-reinforced concrete construction materials.			
4. Cleared the opening to allow for rescuer entry into structure/void.			
5. Stabilized the structure as needed. (See task 052-247-1320)			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	Corps of Engineers	US Army Corps of Engineers, Urban Search and Rescue, Shoring Operations Guide, 3rd Edition	No	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	Yes
	NFPA 1500	Standard for Self Contained Breathing Apparatus (SCBA)	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
052-247-1319	Search for Victims in a Light Frame Collapsed Structure	052 - Engineer (Individual)	Analysis
052-249-1151	Gain Access to a Structure by Using Forcible-Entry Techniques	052 - Engineer (Individual)	Approved

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None