



TRAINING PLAN

Subject		
Special Operations: Collapse Rescue Systems & Tools		
Instructors		
<u>A</u>	<u>B</u>	<u>C</u>
Logistics		
<u>Time Required</u> 3 hrs.	<u>Equipment Needed</u> Marking Paint Cribbing Lumber Cutting Torch (Optional) Roto-Hammer (Optional) 60 lb. Breaker (Optional)	

DESCRIPTION

Objectives:

1. Review the basic Building Marking Systems used in USAR and Collapse Rescue
2. Review and demonstrate the fundamentals of Cribbing and load stabilization
3. Review basic vertical shoring systems (Spot Shores) and demonstrate their application.

OPTIONAL SKILLS (dependent on the availability of tools and resources):

4. Review the set-up procedures and applications of various cutting torches.
5. Review the tools and equipment used for breaching concrete or masonry

Description / Outline:

1. **Review the Building Marking Systems used in USAR and Collapse Rescue:**
 - FEMA US&R Building Marking System
 - Victim Marking System
 - Structure / Hazard Marking System
2. **Review & Demonstrate the fundamentals of Cribbing and Load Stabilization:**
 - Box Crib
 - Crosstie Crib
 - Solid Crib
3. **Review & Demonstrate the basic "T" Post (Spot) Shores:**
 - Nail Patterns & Gusset Plates
 - "T" Post (Spot) Shore
 - Temporary (Class 1) Shore
 - Design Load 1,000 – 4,000 lbs based on unknown stability
 - Double "T" Shore
 - Class 2 Shore: Preferred for stability.
 - May Be easily converted to Class 3 Shore
 - Weight of shore & materials needed to build increase approximately 25 lbs
 - Load Design is nearly 4x's
 - 16,000 lbs for 8 ft.
 - 10,000 lbs for 10 ft.
 - 7,000 lbs for 12 ft.
4. (OPTIONAL) Review & Demonstrate the Set-Up and Use of Cutting Torches.
5. (OPTIONAL) Review & Demonstrate the Use of Breaching Tools.