



Fire Protection Training

Procedures Handbook 4300

STRUCTURE FIRES

TOPIC: Structure Fire Confinement

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: Student will list and describe the considerations and methods of confining structure fires.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- Appropriate visual aids
- Audio visual equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 14
- NFPA, Fire Fighting Tactics, Lloyd Layman 1983
- NFPA, Fire Command, Brunacini, 1985

PREPARATION: The basic concerns of structural firefighting are to locate, confine, and extinguish the fire. Improper confinement methods can result in a simple room and contents fire becoming a fully involved structure fire.



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STRUCTURE FIRE CONFINEMENT

PRESENTATION	APPLICATION
<p>I. CONFINEMENT</p> <p>A. Objective</p> <ol style="list-style-type: none">1. The objective is to stop further advance of the fire and bring it to a standstill <p>B. To Confine Fire You Must Consider Stopping Fire Spread in Six Directions;</p> <ol style="list-style-type: none">1. Front2. Back3. Top<ol style="list-style-type: none">a. Atticb. False ceiling4. Bottom<ol style="list-style-type: none">a. Basementb. Lower floors5. Both sides <p>C. Confinement Considerations</p> <ol style="list-style-type: none">1. Confining an intense fire may be necessary before a rescue can occur2. All other things being equal keep greatest amount of unburned at your back3. Effective confinement depends upon:<ol style="list-style-type: none">a. Determining direction of fire extensionb. Establishing an attack point ahead of the fire	



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PRESENTATION	APPLICATION
<ul style="list-style-type: none">(1) Make allowance for reflex timec. Assemble resources at the attack pointd. Aggressively attack the fire4. Do not overlook fire extension in concealed spaces<ul style="list-style-type: none">a. Feel for heatb. Look for smoke, discoloration, or blisteringc. Listen for "popping"d. Use heat detector5. If you "suspect" extension open the area and make visual inspection<ul style="list-style-type: none">a. Have charged hoseline ready prior to opening<ul style="list-style-type: none">(1) Personal safety(2) Minimize fire extensionb. Consequences of not opening can be embarrassing6. Shutting down heating, ventilation and air conditioning (HVAC) systems if adversely impacting firefighting operations7. Support sprinkler system if it is working effectively	



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STRUCTURE FIRE CONFINEMENT

SUMMARY:

The objective of confinement is to stop the extension of fire and minimize the primary (fire caused) damage associated with the fire. In most instances if confinement is properly executed the transition into the extinguishment phase will not be apparent.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).