

SCHULTE & ASSOCIATES

Building Code Consultants
880D Forest Avenue
Evanston, IL 60202
fpeschulte@aol.com
504/220-7475

BALANCED FIRE PROTECTION THE SCOTTSDALE REPORT

The following is an excerpt from the "Scottsdale Report" written by Chief Jim Ford of the Scottsdale (Arizona) Rural/Metro Fire Department. This excerpt addresses both the issues of fire and smoke spread in buildings protected by residential sprinklers.

CASE STUDY 6

Date: July 31, 1995
Location: 13000 N. 103rd Place
Time: 1000 hours
Occupancy: Single Family Residence
Cause: Arson
Activation: 1 head
Total Loss: \$1,500
Total Potential: \$138,000
Flow Time: 10 minutes

Narrative:

An arsonist used flammable liquid to ignite this house fire. A 21 year old occupant was sleeping in a bedroom at the time of the incident. **A second party poured gasoline over the sleeping occupant and in the bedroom before igniting the materials. The sleeping occupant received only minor burns from his contact with the flammable liquid.** Total damage was contained to the room of origin as a result of a single sprinkler head activation. Extensive damage to the structure would have occurred along with a probable fire fatality if not for the installation of the system.

This is an excellent example of the effectiveness of the residential systems ability to address flammable liquid fires and to protect the people in the room of origin.

* * * * *