



DEPARTMENT OF FIRE SERVICES

Division of Fire Safety



Side-by-Side Sprinkler Demonstration Trailer



Overall Length: 25' approx.

Overall Height: 12.5' approx.

Overall Weight: 7,000 lbs. approx.

Overall Width: 8' approx.

Construction material: Steel Frame, Wood Floor & Units



DEPARTMENT OF FIRE SERVICES

Division of Fire Safety

Equipment



The storage box will contain wheel chocks, and other safety devices. Please review and return everything that was used into the box.



Setting Up for the Demonstration

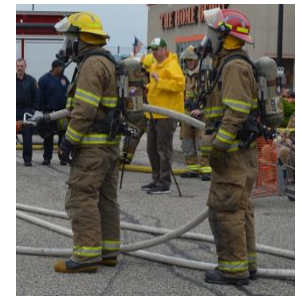
Work with the local fire department to coordinate before the event.



DEPARTMENT OF FIRE SERVICES
Division of Fire Safety

© 2017 NFSA (National Fire Sprinkler Association)

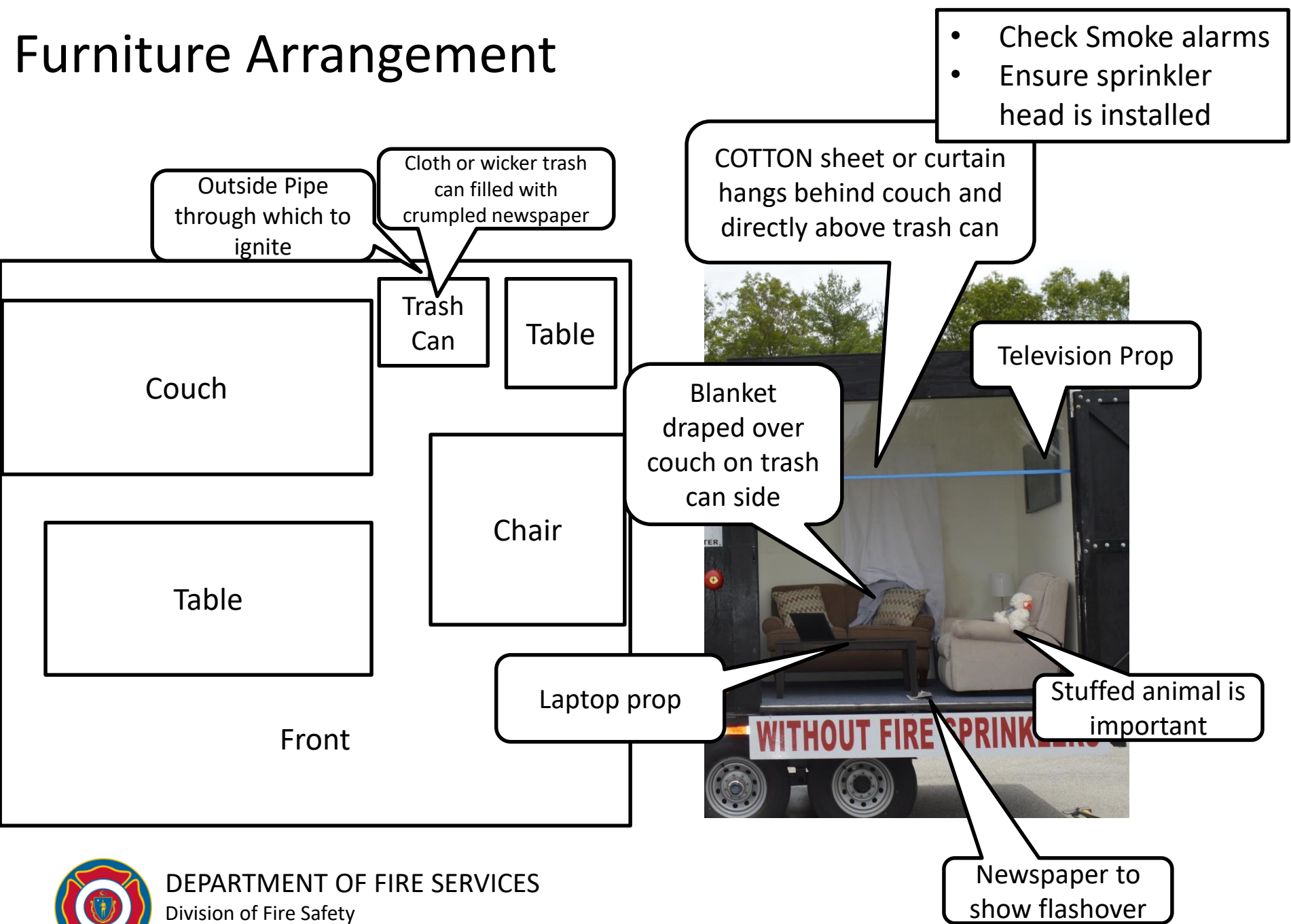
The following must be provided by the fire department and have on hand:



- One dumpster to handle furniture on site.
- One engine company for the demonstration with a 1 $\frac{3}{4}$ hand line charged to extinguish the flashover fire
- One backup line of equivalent size should be stretched and available for use. If an engine is used to supply the sprinkler system, idle pressure is usually sufficient.
- One qualified apparatus engineer to confirm the water supply to the sprinklered unit.
- Two (minimum) firefighters dressed in full protective gear, including SCBA and who will assist in salvage/clean-up
- Pressurized water extinguisher
- Educational materials and handouts.
- Sound system with microphone.
- Timer
- Video/photographer
- Narrator for the demonstration.
- A generator to supply power to the trailer, speakers and timer.



Furniture Arrangement



Talking Points for Demonstration 1

Review the Script but include these points:

The three E's:

- **Early Warning**—The smoke alarm in both units provides early warning and checking & changing the batteries in your smoke alarm is crucial.
- **Early Suppression**—The fire sprinkler is the most effective piece of fire safety equipment and is critical to survival in the modern fire environment from homes to high-rises. Highlight that the sprinkler is THE ONLY difference in the two burn units. Only the sprinkler closest to the fire activates at 155 Degrees Fahrenheit and flows 13 gallons per minute
- **Effective Emergency Response**—The local fire department is a critical element for a successful outcome in a fire. Highlight the need for them to arrive and investigate/extinguish the fire and rescue any trapped occupants. THANK THEM!



Fire
Sprinklers
Buy Time.

Time Buys
Life.



Talking Points for Demonstration 2

Get Out, Stay Out....close the door on your way out!

- **Get Out**—When you hear the smoke alarm, do not delay, GET OUT
- **Stay Out**—Fire is Fast and once you are out, do not go back in. Highlight the time on the non-sprinklered side when people would not be able to evacuate. Talk about the toxic smoke spreading throughout the house due to modern furniture.
- **Close the Door on your way out**—Fire needs oxygen to grow and by closing your door as you leave, you are starving the fire and helping the fire department

Fire
Sprinklers
Buy Time.

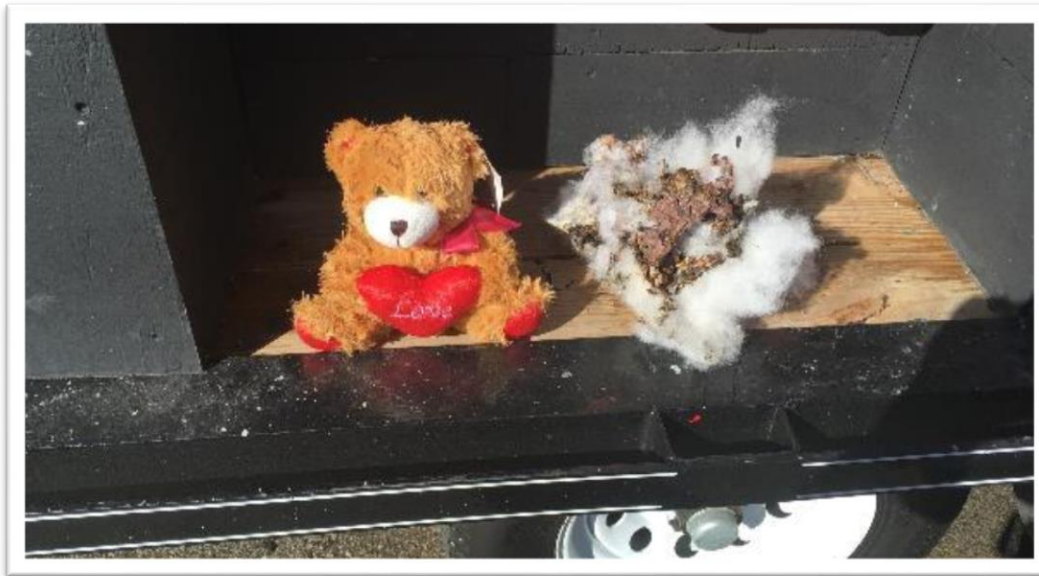
Time Buys
Life.



DEPARTMENT OF FIRE SERVICES
Division of Fire Safety

Final Points to Highlight

1. The Newspaper: place a folded newspaper on the coffee table or under it's leg and tell the audience to watch it begin to off gas and finally ignite during flashover (this is when you send in the freighters)
2. The teddy bears: if there are kids in the audience, focus on how the fastest water from the fire sprinkler saved the teddy bear...



The Burn: Practice Makes Perfect



Watch these
video clips
and practice
narrating
the burn.



DEPARTMENT OF FIRE SERVICES
Division of Fire Safety

The Results



Once extinguished and cooled, let people come up and look at both sides and take pictures.



DEPARTMENT OF FIRE SERVICES
Division of Fire Safety

Questions??

Contact:

Cindy Ouellette (978-567-3381)

Cynthia.Ouellette@mass.gov

Vicky Giguere (978-567-3813)

Vicky.giguere@mass.gov



DEPARTMENT OF FIRE SERVICES
Division of Fire Safety
