

FIREBLAST MOBILE BURN UNIT

LOCATION

NRPC
Greenville, KY



SPECIFICATIONS:

Length 54' (truck & trailer is 72' 6")
Width 102"
Height 13' 6" (Traveling height) 20' 6" (Working height)
Weight 78,600 lbs (truck & trailer)

This unit is pulled with a Volvo road tractor.

OBJECTIVES

This unit has several objectives:

- Simulating 'below grade' fires (basement fire)
- Smoke maze
- Ventilation evolutions
- Standpipe operations
- Rescue Operations
- Forcible entry (doors & walls)

CAPABILITIES

This trailer manufactured by Fireblast takes 2 people about 30 minutes to set up and get operational. It has an 'on-board' Diesel Generator to provide the electricity for the trailer. It has computerized controls for the propane burners located in the burn chambers on the trailer. The roof of the trailer can elevate to create a pitched roof and has the ability to put plywood in to allow students to cut the roof. Students can assemble in the upper level and proceed downstairs into a smoke-filled, heated environment as you would see in the process of fighting a basement fire. The trailer carries two large tanks of Propane to allow for a lot of training burns. The trailer is plumbed with a standpipe so students can hook their lines to the standpipe as they may find in a high-rise structure.

The burn chamber has a kitchen and living room simulations so that fire can emit from the stove to evolve to a flame over or fire can come from the couch. Smoke can be introduced either before or after the fire. Movable partitions are in the trailer as well to create additional obstacles when searching for the fire. There is an area that firefighters can 'force entry' into the room and also breach a wall.