High Rise Fire Control Sheet
Fire Engineering Simulation

This is the High Rise Fire Scenario control sheet. In the left column you will find a number or letter followed by a description of what is occurring. The number or letter is the keystroke you enter to change to the indicated 'state'. The center column shows an image of the fire condition. The third column is for your notes. Here you can write prompts for yourself or notes about the performance of the trainees.

Important: The navigation and controls for this scenario can be a bit more involved than other scenarios, because you can open and close doors with keystrokes or with clicking on the door. Therefore, it is important for you the instructor to be familiar with the navigation and keystroke options, and to read this document carefully. Smoke enters the stairwell only in state 3. For simplicity, the responders can only enter the stairwell to the right of the elevator bank. Also, only one elevator is operational once the responder puts it into Fireman's Service Mode, both in the Lobby and inside the elevator.

The control panel (accessed by pressing "c"—see picture of control panel below), gives you high-level information about the status of building doors. Depending on the status of the doors, smoke can fill a hallway (if open) or short circuit the effectiveness of the blower air stream if a door is open beneath the fire floor.

By default, the roof door is closed and one door beneath the fire floor is open. This, depending on the tactics you use, may makes the responder explicitly close the door below, and open the roof door. You can use keystrokes to open or close the roof door ("v") or open and close the open door beneath the fire floor ("d"), and set up and start the blower ("b") Alternatively, you can click on a door to open or close it. The fire is always on the seventh floor.

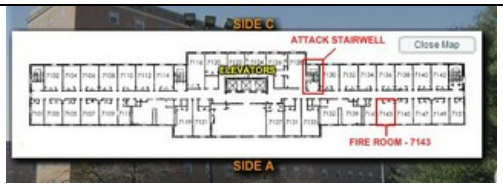
The proper procedure if the responder decides to apply the blower is to first ensure all doors (except the fire floor door) are closed, and ensure the roof door is open to ventilate. At this point, turning on the blower will pressurize the stairwell and the smoke will vent out the roof door. If the door beneath the fire floor is open, the blower will not be effective and it will not clear the stairwell (though merely opening the roof door, whether or not the blower is on, will clear some of the smoke, naturally).

Keystroke	Sample Image	Notes
1 **The initial state of the simulation**. Grey smoke is pushing out of 7th floor window on the A side 3 windows in from D side. The wind is pushing the smoke to the left so it rises on a 75* angle.		

High Rise Fire Control Sheet
Fire Engineering Simulation

Keystroke	Sample Image	Notes
2 Changes smoke to dark boiling black. The fire is escalating.		
3 Dark black with flame along lower portion of the smoke border. Room is fully-involved with flame out of the door.		
4 Knockdown		
0 All Clear (no smoke)		

High Rise Fire Control Sheet
Fire Engineering Simulation

Keystroke	Sample Image	Notes
b First key press places blower at exterior entrance to stairwell. Second key press starts the blower		
c Opens/closes control panel to set stairwell doors open or closed.		
m Shows a schematic of the fire floor.		
d Toggles open/closed position of a random door beneath the fire floor.		

High Rise Fire Control Sheet
Fire Engineering Simulation

Keystroke	Sample Image	Notes
v Toggles open/closed the stairwell roof door		
r Resets scenario.		
Elevator Operation Press ON on Fire Mode key in Lobby; Press ON on Fire Operation inside elevator; Select a floor; Hold DOOR CLOSE until door closes completely, at which point elevator begins moving; When elevator reaches floor, press and hold DOOR OPEN to open the doors; If desired, press HOLD on Fire Operation inside elevator to prevent elevator doors from closing, once open.