

## UCF Smoke Control System Checklist Rev 8/2014

Building #: \_\_\_\_\_ , \_\_\_\_\_

Date, Time: \_\_\_\_\_ , \_\_\_\_\_

### Building Equipment Design Summary:

Smoke control system components are primarily  
**Dedicated / Non-dedicated** (circle one) to smoke exhaust.

### Smoke Exhaust Fans (or Stair Pressurization Fans):

EF #	CFM	Location

Number of Floors in Smoke Control Area: \_\_\_\_\_

#### Make-up Air Sources:

- Passive vent locations: \_\_\_\_\_
- Doors (  check if electronic latches\*)
  - Total # of Leafs to open: \_\_\_\_\_
  - Leafs per level: 1- 2- 3- 4- 5- (Identify Leafs)
  - \*Note test doors from the locked position.
- Other: \_\_\_\_\_

#### Area and Air Flow Isolation Devices:

- Automatic closing dampers # \_\_\_\_\_  
Locations: \_\_\_\_\_
- Automatic closing area separation fire doors #: \_\_\_\_\_  
Locations: \_\_\_\_\_
- Automatic closing overhead fire doors \ shutters # : \_\_\_\_\_  
Locations: \_\_\_\_\_

#### Back Up Power:

- Emergency Generator Power provided?  Yes /  No
- Dedicated UPS provided for limited components & locations:  
\_\_\_\_\_

#### Activation Means:

- Fire Alarm Smoke Detection Type\Location: \_\_\_\_\_
- Sprinkler Waterflow for Atrium Zone
- Manual Override in South Lobby Entry
- Other\Comment: \_\_\_\_\_

#### Equipment used this test

- Calibrated air flow meters
- Door streamers
- Test Smoke

### Testing:

Check proper performance on respective power source as tested.  
**NA** for not applicable or not performed. **NO** for needs repair.

Proper Function		Component
Normal	Emergency Power	
<input type="checkbox"/>	<input type="checkbox"/>	Building systems in normal operating mode for test. Doors locked where applicable.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Smoke Exhaust Fans</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Shafts</li> <li><input type="checkbox"/> Belts</li> <li><input type="checkbox"/> CFM output in line with design verified at final and periodically.</li> </ul>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Make-up Air</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Passive vents</li> <li><input type="checkbox"/> Doors identified and properly opened including from the secured position.</li> <li><input type="checkbox"/> Other</li> </ul>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Area and Air Flow Isolation</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Automatic Closing dampers</li> <li><input type="checkbox"/> Fire Doors to release and latch</li> <li><input type="checkbox"/> Overhead Fire doors or shutters</li> </ul>
<input type="checkbox"/>	<input type="checkbox"/>	HVAC shutdown as specified in design.
<input type="checkbox"/>	<input type="checkbox"/>	Time to full activation maximum 60 seconds.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Manual activation and shutdown</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> At FACP</li> <li><input type="checkbox"/> At separate control center</li> <li><input type="checkbox"/> Adequate instructions \ labels</li> </ul>
<input type="checkbox"/>	<input type="checkbox"/>	Smoke detector activation.
<input type="checkbox"/>	<input type="checkbox"/>	Sprinkler activation.
<input type="checkbox"/>	<input type="checkbox"/>	Egress doors within approved forces to open against air flows.
<input type="checkbox"/>	<input type="checkbox"/>	UPS labeled and inspected for proper operation. Replace batteries as needed.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Overall building envelope stable</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Shafts</li> <li><input type="checkbox"/> Windows, Glazing</li> <li><input type="checkbox"/> Firestopping</li> <li><input type="checkbox"/> Doors, walls, partitions, ceiling</li> </ul>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Air Measurement (Attach Readings)</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Test and balance report provided for original installation by certified agency.</li> <li><input type="checkbox"/> Reoccurring readings taken to verify continued performance.</li> </ul>
<b>Environmental Conditions day of testing:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Temperature (F):</li> <li><input type="checkbox"/> Wind speed (mph):</li> <li><input type="checkbox"/> Wind direction:</li> </ul>		

Comments (detail all items that do not properly function):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Additional pages attached.

TEST PERFORMED BY: \_\_\_\_\_