



# Highrise HR-2

## Fire Protection Systems

BIR #

I acknowledge that a highrise building visit was performed at the property located at the following address:

### 1. Fire Service Features

<u>Y</u>	<u>N</u>	<u>NA</u>	<u>Item</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Private hydrants.</b> Does the property have private hydrants? (OFC 507.5.2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes to above; Have the hydrants had annual inspection and flow test? (OFC 507.5.3)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attach copy of <b>hydrant flow test.</b> ←
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire command center.</b> Does the facility have a Fire Command Center (FCC)? (OFC 508) ( <i>Location, Type and Size varies by year built</i> )
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Storage.</b> The FCC is not used for unrelated storage? (OFC 508.1.5)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Schematic building plan.</b> Does the FCC have a Schematic Building Plan (OFC 508.1.5) ( <i>See page 3</i> )
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Signage.</b> All rooms identified with <b>signage</b> that contain fire protection equipment? (OFC 509.1) ( <i>See page 3</i> )
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Accessible.</b> All fire protection equipment accessible? (OFC 509.2) ( <i>See page three</i> )

### 2. Building Services and Systems

<u>Y</u>	<u>N</u>	<u>NA</u>	<u>Item</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Emergency power.</b> Emergency and Standby Power System maintained in accordance with NFPA 110 and NFPA 111 (OFC 604.3)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Testing.</b> Generator(s) is/are inspected weekly and run monthly under normal load for 30 minutes. (OFC 604.3.1)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Written record of all testing and maintenance of generators maintained. (OFC 604.3.2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Activation test.</b> An activation test of the exit and emergency lighting equipment with self-contained battery back-up power shall be performed monthly for a period of not less than 30 seconds. (OFC 604.6.1)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Duration test.</b> A duration of not less than 90 minutes exit and emergency lights equipped with self-contained battery back-up power shall be tested annually for a period of not less than 90 minutes. (OFC 604.6.2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> A written record of all inspection, testing and maintenance of exit and emergency lighting equipment shall be documented and available for review by the fire code official. (OFC 604.6.3)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Commercial kitchen hoods.</b> Hoods, grease-removal devices, fans, ducts, and other appurtenances shall be inspected at intervals. (OFC 609.3.3.1) <ul style="list-style-type: none"><li>- High-volume cooking operations such as 24-hour cooking, charbroiling or wok cooking – 3 Months</li><li>- Low-volume cooking operations such as places of religious worship, seasonal businesses and senior centers – 12 months</li><li>- Cooking operations utilizing solid-fuel burning cooking appliances – 1 month</li><li>- All other – 6 months</li></ul>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Records for inspections shall state the individual and company performing the inspection, a description of the inspection and when the inspection took place. Such records shall be maintained on the premises for a minimum of three years and be copied to the fire code official upon request. (OFC 609.3.3.3)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Hood system.</b> Automatic fire-extinguishing systems protecting commercial cooking systems shall be serviced every 6 months (OFC 609.3.4) and (OFC 904.11.6)



### 3. Rated Construction

<u>Y</u>	<u>N</u>	<u>NA</u>	<u>Item</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Rated construction.</b> All required fire-resistance rating of fire-resistance-rated construction (including walls, firestops, shaft enclosures, partitions, smoke barriers, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems) <b><u>shall be visually inspected by the owner annually.</u></b> (See page three)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Are records of the required fire-resistance rating of fire-resistance-rated construction inspection for the last three years available for review by the fire code official?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Smoke doors.</b> Opening Protectives, e.g. <i>Smoke Doors</i> , been inspected and tested <b><u>annually</u></b> per NFPA 105 (OFC 703.1.2) (See page three)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Are records of the required Opening Protectives inspection and testing for the last three years available for review by the fire code official?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire doors.</b> Opening Protectives, e.g. <i>Fire Doors</i> , been inspected and tested <b><u>annually</u></b> per NFPA 80 (OFC 703.1.3) (See page three)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Are records of the required Opening Protectives inspection and testing for the last three years available for review by the fire code official?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Smoke dampers.</b> Smoke dampers (HVAC) shall be tested every four years, (6 years for hospitals) in accordance with NFPA 105 (OFC 703.1.2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire dampers.</b> Fire dampers (HVAC) shall be tested every four years, (6 years for hospitals) in accordance with NFPA 80 (OFC 703.1.2)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Records.</b> Are records of the smoke dampers required inspection and testing for the last three years available for review by the fire code official?

### 4. Fire Protection Systems

<u>Y</u>	<u>N</u>	<u>NA</u>	<u>Item</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire detection.</b> Fire detection and alarm system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the Fire detection and alarm system had its annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Sprinkler system.</b> Automatic sprinkler system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the Automatic sprinkler system had its annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Alternative suppression system.</b> Alternative suppression system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the Alternative suppression system had its annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Standpipe and hose system.</b> Standpipe and hose system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the Standpipe and hose system had its annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire pump.</b> Fire Pump shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the fire pump had its annual inspection and flow test? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire extinguishers.</b> Fire Extinguishers shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has all fire extinguishers had their annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Stair tower pressurization.</b> Stair tower pressurization system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the stair tower pressurization system had its annual inspection? (OFC 901.6)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Zoned smoke control.</b> Zoned smoke control system shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Has the Zoned smoke control system had its annual inspection? (OFC 901.6)

- Records.** Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of 3 years unless otherwise provided for by law or regulation and shall be copied to the fire code official upon request. (OFC 901.6.2)
- Inspection tag.** An inspection tag shall be attached to each fire protection system near the main control valve, main panel, or other such appropriate and visible location as determined by the fire code official. The annual inspection tag shall contain the following information:  
The individual performing the work and the state fire marshal installer certification number(s) (when applicable); Date of test; Results of inspection and test; Deficiencies or impairments noted (yes or no). (OFC 901.6.3)

*If the answer is "No" to any questions above this is a code violation that needs corrected as soon as possible. Any question with a red arrow indicates there is an action item for the inspector to complete.*

*If the answer is "Yes" please review the maintenance records for each of the items indicated. Look for any notations on the annual inspections reports that may indicate deficiencies.*

*If the answer is "NA" that is an indication that the building / property does not have that type of system and the system is not required by the Ohio Fire Code.*

\_\_\_\_\_  
High Rise Safety Director Signature

\_\_\_\_\_  
High Rise Safety Director Printed Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
High Rise Officer Signature

\_\_\_\_\_  
High Rise Officer Printed Name

\_\_\_\_\_  
Date

**OFC 508.1.5 – Building plans.** Schematic building plans indicating the typical floor plan and detailing the building core, means of egress, fire protection systems, fire-fighter air-replenishment systems, fire-fighting equipment and fire department access, and the location of fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions.

**OFC 509.1 Identification.** Fire protection equipment shall be identified in an approved manner. Rooms containing controls for air conditioning systems, sprinkler risers and valves, or other fire detection, suppression or control elements shall be identified for the use of the fire department. Approved signs required to identify fire protection equipment and equipment location shall be constructed of durable materials, permanently installed and readily visible.

**OFC 509.2 Equipment access.** Approved access shall be provided and maintained for all fire protection equipment to permit immediate safe operation and maintenance of such equipment. Storage, trash and other materials or objects shall not be placed or kept in such a manner that would prevent such equipment from being readily accessible.

**OFC 703.1 Maintenance.** The required fire-resistance rating of fire-resistance-rated construction (including walls, firestops, shaft enclosures, partitions, smoke barriers, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems) shall be maintained. Such elements shall be visually inspected by the owner annually and properly repaired, restored or replaced when damaged, altered, breached or penetrated. Where concealed, such elements shall not be required to be visually inspected by the owner unless the concealed space is accessible by the removal or movement of a panel, access door, ceiling tile or similar movable entry to the space. Openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer openings and holes made for any reason shall be protected with approved methods capable of resisting the passage of smoke and fire. Openings through fire-resistance-rated assemblies shall be protected by self- or automatic-closing doors of approved construction meeting the fire protection requirements for the assembly.

**703.1.1 Fireblocking and draftstopping.** Required fireblocking and draftstopping in combustible concealed spaces shall be maintained to provide continuity and integrity of the construction.