



## Department of Commerce

Division of Industrial Compliance

John R. Kasich, Governor  
Jacqueline T. Williams, Director

06/07/2018

**VILLAGE OF CHAGRIN FALLS  
ROBERT JAMIESON  
21 W WASHINGTON ST  
CHAGRIN FALLS OH 44022**

### **CORRECTION LETTER NO. 1**

Project Number: **2018020653**  
Response Deadline: **12/04/2018**

The plans for the project referenced below have been reviewed and were found to be incomplete and/or to contain violations of the Ohio Building Code (OBC). As a result, your plans cannot be approved at this time.

This notice serves as a Correction Letter to inform you of what information is needed to get your plans approved. Pursuant to OBC section 110, you have the right to appeal any of the items listed below. You may contact the Chief Building Official to obtain a formal Adjudication Order that will provide the procedures to request an appeal hearing. In accordance with OBC section 107.6, if corrected documents have not been submitted within 6 months of the date of this letter, or the owner has not exercised the right to appeal, an adjudication order will be issued in accordance with section 109 OBC.

The plans affected by this notice are known or described as:

**21 W WASHINGTON ST  
CHAGRIN FALLS OH 44022**

Your plans cannot be approved until all of the information specified below is submitted and reviewed:

**1. Shop drawings or construction documents have not been received for fire suppression systems to date. The sprinkler system, standpipes and their components, system design, water supplies, acceptance tests, alarms, fire department connections, installation of pipes and fittings and their support from the building structure, protection of piping against damage, use of approved listed valves, hangers, sprinkler heads, supervision, identification devices, inspection, maintenance, etc. shall be detailed to conform to the requirements of the systems referenced in Section 903.3 OBC. Such**

Bureau of Building Code Compliance  
6606 Tussing Road  
PO Box 4009  
Reynoldsburg, OH 43068-9009 U.S.A.

614 | 644 - 2622  
Fax 614 | 644 - 3145  
TTY/TDD 800 | 750 - 0750  
[www.com.ohio.gov](http://www.com.ohio.gov)



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details shall include calculations and graphic data showing sprinkler spacing, water supply, sizes of piping and fittings, and identification of apparatus and devices.

2. Shop drawings or construction documents have not been received for fire alarm/detection systems to date. Shop drawings for fire alarm and smoke and fire detection systems shall be submitted for review and approval prior to system installation, and shall include, but not be limited to, all of the items listed in 907.1.2 OBC.

3. Processing and plan review fees shall be paid for sprinkler and fire alarm scopes of work. OBC 115.

4. The documents show the addition is 5'-4" to 10'-9" to the alley ROW. Fire ratings for exterior walls shall be based on separation distances per OBC Table 602 and shall be measured to the middle of streets or alleys, imaginary lot lines and property lines (See IBC Commentary). Show compliance for Building 3 addition.

5. The project is an addition to and alteration of an existing police/fire station. Storm shelters shall be provided for critical emergency operations (fire, rescue, police stations) as required by OBC 423.3 and shall meet all of the requirements of ICC 500.

6. The documents still show sensor release devices on the egress side of egress doors. Sensor release devices (card readers, key pads, magnetic locks, elec. strikes, etc.) are allowed on egress doors in use group or occupancy A, B, E, I-1, I-2, I-4, M, R-1 and R-2 where they meet all six items in OBC 1010.1.9.8. I-3 use groups do not allow these devices. Submit revised documents showing compliance.

7. Shop drawings or construction documents have not been received for cooking equipment hood fire suppression systems to date. Type 1 hoods are required to be protected with fire suppression systems in accordance with OMC 509.1. Submit evidence of conformance for wet chemical sprinkler systems for exhaust hood fire suppression with NFPA 17a. The construction drawings for hood suppression shall be drawn to scale with working dimensions on standard size drawing sheet and shall be adequate, sufficiently clear, comprehensive and detailed; section 106.1.1 OBC.

8. Shop drawings or construction documents have not been received for cooking equipment exhaust hoods to date.

Type 1 exhaust hoods are required where cooking equipment produces grease or smoke. OMC 507.2.



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a) Provide type 1 exhaust and hood fire suppression for the range cooking appliance in accordance with OMC 507.2.1.

b) Hood design shall comply with section M-507.0 OBBC. Provide U.L. 710 listed pre-manufactured hoods or show compliance with OMC 507.4, 507.5, 507.7, 507.12, 507.13, 507.14, 507.15 and 507.16. Provide sections and details.

c) A type 1 hood shall be installed with a clearance to combustibles of not less than 18 inches. OMC 507.9.

9. The documents show a posted occupancy calculation. Provide information on the construction documents to show the mechanical ventilation system design for supply air and return or exhaust air. The amount of supply air shall be approximately equal to the amount of return air and exhaust air. The system shall not be prohibited from producing negative or positive pressure.

a) Where ASHRAE 62.1 or 62.2 is used, the registered design professional shall demonstrate equivalency to ventilation requirements of Section 403.3 OMC.

b) Provide Ventilation Schedule that demonstrates ventilation in the breathing zone complies with either the 'People' rate or the 'Area' rate per Table 403.3.1.1 for each occupied space.

10. Show all smoke detectors on the electrical plans. Smoke detectors in dwelling/sleeping units are required to be placed in all bedrooms AND immediately outside the bedroom. OBC 907.2.11.2.

11. The documents indicate that the design is based on owner provided documents. The design professional in charge shall verify all existing conditions and shall certify with his/her seal all information provided on the documents. OBC 106.2.

12. Firewalls shall meet OBC 706.6 for vertical continuity. Openings are not allowed within 4 ft. of the wall. Show compliance for the hood grease duct termination and other openings.

13. A type 1 hood shall be installed with a clearance to combustibles of not less than 18 inches. The clearance is not required from gypsum wall board 1/2" or thicker provided that a smooth, cleanable, non-absorbent and non-combustible material is installed between the hood and the gypsum board extending 18" minimum in all directions from the hood. OMC 507.2.6.



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In order to minimize the time it takes to review revised plans, circle the area of changes on the revised drawings with a red pencil. Mark the item number referenced above adjacent to the circled area. This needs only to be done on one set of the revised plans. Three identical sets of revised plans (five sets when drawings include plumbing) must be submitted. Submit revised plans to the address specified above. However, if the plans were submitted electronically through our website the first time, any subsequent submission of revised plans and/or response letters should also be submitted electronically through our website. Please log onto our website for further instructions.

If there are any questions, you may call your Plan Examiner by phone (614) 644-2622 to discuss or to make an appointment to meet with your Plan Examiner. If you wish to appeal any of the items contained in this letter, please contact Geoffrey D. Eaton, Chief Building Official at 614-644-2622 and a formal Adjudication order will be issued immediately. The Adjudication Order will provide the procedures you will need to request a hearing with the Board of Building Appeals.

Sincerely,

Anthony Jacques,

Plans Examiner