

Cumberland Trail Fire District #4
Fire Prevention

142 S. Marietta Street
P.O. Box 505
St. Clairsville, OH 43950



Lance Rice, Fire Chief

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Emergency: 911

Fire Protection Systems
Permit Application

Sprinkler Systems / Limited Area Systems
Automatic Suppression Systems
Fire Alarm Systems
Hood Suppression Systems

Date Received

Permit #

Township _____

City _____

Applicant shall complete Parts 1 through 4 (submit 2 sets of plans)

Part 1

General Information

Business Name _____

Building Owner _____ **Phone** _____

Address _____

Architect _____ **Phone** _____

Address _____

Project Manager (If Known) _____ **Phone** _____

Address _____

“Prevention through Education”

Part 2

Fire & Life Safety Code Compliance Plan Review Check List

Site Plans; Access and Utility Plan

- Mixed-Occupancy:
- Multiple-Occupancy:
- Stories Above Grade:
- Stories Below Grade:
- Rated Walls: 1-Hr: ___ 2-Hr: ___ 3-Hr: ___
- Hazard Areas:
- Electrical Utilities locations:
- Fuel / Propane tank locations:
- Underground Tank locations:
- Underground fuel lines:
- Trash Compactors/ Dumpsters /Chutes:
- Sprinkler System Required: YES/NO
- Supervised / Monitored: YES/NO
- Underground Fire Protection Piping:
- FD Connection Location: (AHJ)
- Fire Department Access (NFPA 1-18):
- Hydrant Location(s) (NFPA 1-18):

Building Const. Plans / Spec.

- Minimum Const. Requirements:
- Rated Walls: 1-Hr: ___ 2-Hr: ___ 3-Hr: ___
- Rated Ceiling:
- Vertical Openings:
- Classification of Interior Finish:
- Fire Extinguishers: Types:
- Fire Alarm Required:
- Smoke/Heat Detection Requirements:
- Duct Detectors:
- Horn/Strobe Location:
- Pull Stations:
- Occupant Load:
 Based On: (sq/ft/per)
- Number of Exits:
- Egress Capacity:
- Door Size:
- Rated Doors:
- Door Swing:
- Fire Rated Hardware:
- Panic Hardware:
- Common Path Distance:
- Emergency Lights:
- Exit Signs:
- Cooking Equipment:
- Cooking Exhaust Hood System(s):
- Building Numbering:
- Knox Box (s):

Part 3

Applicant

Name _____ Phone _____

Address _____

City _____ State _____ Zip _____ State of Ohio License # _____

I hereby certify that the proposed work is authorized by the Owner of Record, that I am authorized to submit this application as his/her agent, and that I agree to conform to all applicable laws and rules of the State of Ohio and the Cumberland Trail Fire District Fire Code. I hereby certify that by signing this, I understand the current state licensing requirements for all commercial specialty contractors as regulated by Ohio Construction Industry Examining Board. Inspections shall be scheduled (24) hours in advance using by calling CTFD (740) 695-5147.

Applicant Signature

Date

Certified Onsite Personnel:

Name	License #	Name	License #
_____	_____	_____	_____
_____	_____	_____	_____

Part 4

Permit Application Fee Schedule

<u>Item</u>	<u>Processing Fee</u>	<u>Unit Fee</u>	<u>Amount</u>
[] Fire Alarm System	\$250.00 +	\$5.75/ device	\$ _____
[] Fire Sprinkler System	\$250.00 +	\$5.75 / 100 sq. ft.	\$ _____
[] Underground Fire		\$250.00	\$ _____
[] Hood Suppression System		\$400.00	\$ _____
[] Automatic Suppression System	200-250 lb.:	\$0.50/lb. + \$5.75/device	
	251 lb. & over:	\$1.00/lb. + \$5.75/device	\$ _____
TOTAL FEES:			\$ _____

Note 1. Application fees are not refundable.

Note 2. Area used to determine Unit Fee is calculated to include all levels of the building.

Note 3. **Make checks payable to: Cumberland Trail Fire District #4**

PERMIT CK# _____ PERMIT RECEIPT# _____

Authorized Signature _____ Date _____

For more information or questions, please contact the Cumberland Trail Fire District

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CTFD FIRE CODE

The CTFD Fire Code has been adopted by the Fire Board of the Cumberland Trail Fire District #4, Belmont County, Ohio, pursuant to and in compliance with, Sections 505.37, et seq. of the Ohio Revised Code, the provisions of the current Ohio Fire Code in Sections 3781, et seq. and Sections 3791, et seq. of the Ohio Revised Code and the applicable regulations thereto. This Code concerns and applies to the construction, occupancy and maintenance of all commercial structures within the Cumberland Trail Fire District. The CTFD Fire Code is adopted from the current Ohio Fire Code with the listed amendments detailed in Sections VI-IX. In the event of a conflict between the CTFD Fire Code and the current Ohio Fire Code as adopted by the Cumberland Trail Fire District, the current Ohio Fire Code will prevail, and nothing herein is meant to be contrary to, or in conflict with, any such provisions. The permitting and fee regulations of the CTFD Fire Code do not incorporate the following provisions of the current Ohio Fire Code concerning permits.

Sections: 105.1.1.1, 105.1.1.1.1, 105.1.1.1.2, 105.1.1.1.3, 105.1.1.1.4, 105.1.1.1.5, 105.1.1.1.6, 105.1.1.2

Section I – Code Official

- The Cumberland Trail Fire District Fire Chief, or his designee(s), shall be the CTFD fire code official(s) charged with enforcement of all Fire Protection Regulations of the Cumberland Trail Fire District, as well as enforcement within the Cumberland Trail Fire District of the current Ohio Fire Code and the CTFD Fire Code as adopted by the Cumberland Trail Fire District.

Section II - Submittal

All plans for proposed new, modified or enlarged structures within the Cumberland Trail Fire District shall be submitted to the Cumberland Trail Fire District for review of fire hydrants, fire alarms, sprinkler control valves, sprinkler systems, automatic fire suppression systems and fire department connections prior to any construction. **The scale must be in one of the following scales: 1"=10'; 1"=20'; 1"=30'; 1"=40'; 1"=50'; 1"=60'; or 1"=100'.** After fire district review, all plans will be required to be picked up at the Cumberland Trail Fire District, at which time all unpaid review fees shall be paid in full prior to the release of the plans. Two (2) copies of all plans shall be submitted, be full size plans and have the scale indicated on the plans and One electronic copy in JPEG format containing:

- A. Building layout on property showing parking lot entrances, fire hydrant locations, building entrances, FDC locations, PIV locations, emergency generator location, and vehicle hazards indicating North to the top of the drawing.
- B. Complete floor plan for each level with exits noted, standpipe locations, fire doors, special hazards, hazardous storage locations, and loading docks.
- C. Sprinkler zones for all floors.
- D. Fire wall locations for each floor.
- E. Locations of all utility shut offs.

Section III – Approval

The CTFD fire code official will have final approval of these plans. Approval of plans does not relieve the owner, developer, engineer, architect, or contractor from the obligation to comply with all requirements of the current Ohio Building Code, the current Ohio Fire Code, as adopted by Cumberland Trail Fire District or the CTFD Fire Code. Upon review, the CTFD fire code official will provide the building official written findings of the reviewed construction documents for compliance with the provisions of this code. For each element of the reviewed construction document that does not meet the requirements of this code, the CTFD fire code official shall, in that official's written findings, provide a specific reference to the relevant sections of this code that have not been fully satisfied. The CTFD fire code official shall provide the written findings to the building code official within a time frame appropriate for compliance with the building official's statutory requirements.

OFC 104.2.1.2

Section IV – Permits and Fees

- Permit fees shall be required and collected by the CTFD fire code official or his designee as per the attached Fee Schedule, and such fees may be adjusted from time to time by the Fire Board of the Cumberland Trail Fire District, Belmont County, Ohio.

Section V – Inspections

- The CTFD fire code official shall be provided notification twenty-four (24) hours prior to all inspections, except witness tests which shall require a forty-eight (48) hour notification.

Section VI – Pre-Construction Meeting; Licensing and Certification

- All prime contractors **shall** attend a pre-construction meeting. This shall take place at least fifteen (15) business days prior to any construction. At that time, the required inspections and scheduling will be discussed.
- Proper State of Ohio licensing and certification of contractors and subcontractors shall be verified by the Code Official during the construction process.

Section VII – Key Box

COMMERCIAL – When a property is protected by the Cumberland Trail Fire District, a Knox® Box shall be required for all A, B, E, I, M, S, F, H, U use groups and each tenant space, including the sprinkler room door, and the rear of the above structures as required by the Code Official. Additionally, a Knox® Box shall be required for all R use groups where multiple residents reside off one (1) common locked access or where an off-premises fire or medical alarm is utilized. The Knox® box/vault shall be located to the right side of the main/public entrance (facing the door from the outside) and shall be 48” -60” to the top of box off finished grade. **NO EXCEPTIONS.**

Obtaining Knox Box Authorization Forms:

Knox® Boxes may only be obtained with a fire department authorization form.

A) CONTENTS: Key box contents shall include:

- Keys to locked points of ingress whether on the interior or exterior of such buildings.
- Keys to locked mechanical rooms.
- Keys to locked electrical rooms.
- Keys to elevator controls.
- Keys to other areas as directed by the Code Official.
- Keys to Fire Alarm Panel and Devices

- **All keys shall be tagged & marked as to their application.**

B) TEMPORARY KEY BOX SHALL BE INSTALLED DURING CONSTRUCTION.

OFC 506.1

Section VIII – Sprinkler Systems

A APPROVED PLANS REQUIRED TO BE MAINTAINED

- A copy of sprinkler plans **approved by the CTFD fire code official** is to remain on site after building occupancy, and shall be the approved as-built set. These plans shall be located in the riser room and placed in a protective plastic sleeve which shall be permanently attached to the wall.

B FIRE DEPARTMENT CONNECTION REQUIREMENTS

Installation.

Fire department connections shall be installed in accordance with the NFPA standard applicable to the system design and shall comply with *paragraphs (L)(2)(912.2) to (L)(6)(912.6) of this rule.*

Cumberland Trail Fire District # 4 will require that for any water-based fire protection system shall have a single 5 inch Storz Fire Department Connection with a thirty degree (30°) angle toward the ground. It must be 36 inches off of finished grade.

OFC 903.3.6

Locking Caps The fire code official is authorized to require locking caps on fire department connections for water-based fire protection systems where the responding fire department carries appropriate key wrenches for removal. The Cumberland Trail Fire District requires a Knox ® Storzguard ® cap be provided for the Fire Department Connection by the installing contractor.

OFC 912.3.1.

Exceptions: *Fire department connections are not required for:*

- 1. Limited area sprinkler systems supplied from the domestic water system.*
- 2. Automatic sprinkler systems having less than twenty sprinklers.*

- A. The Fire Department Connection shall be located within 100 feet of a fire hydrant.
- B. Remote connections will have approval of the Cumberland Trail Fire District #4 provided access and protection from vehicle traffic in the same manner as a fire hydrant.

- C. Cumberland Trail Fire District #4 shall approve FDC locations.
- D. FDC shall be appropriately labeled with a metal sign with 6 inch high white letters on a red background and shall be permanently mounted on all fire department connections serving fire sprinklers, standpipes, or fire pump connections.
- E. Fire Hydrant and fire department connection located on the same side of the street.

Section IX – Elevators

Elevator car to accommodate ambulance stretcher. Where elevators are provided in buildings four or more stories above, or four or more stories below, grade plane, at least one elevator shall be provided for fire department emergency access to all floors. The elevator car shall be of such a size and arrangement to accommodate an ambulance stretcher 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners, in the horizontal, open position and shall be identified by the international symbol for emergency medical services (star of life). The symbol shall not be less than 3 inches (76 mm) high and shall be placed inside on both sides of the hoistway door frame.

ORC 3002.4

Elevator Keys.

Keys for the elevator car doors and fire-service keys shall be kept in Knox® Box mounted on building.

OFC 607.4

Section X – Fire Department Access

- A. Public roads/streets width shall be a minimum of 30 feet in width for Commercial/Industrial Development, and a minimum of 26 feet in width for Planned Subdivision Development (Unobstructed, Islands in entrances, Cul-de-Sacs, etc., shall not be included in the calculation for street widths.
- B. Fire Lane locations shall be determined by the Cumberland Trail Fire District #4, shall be a minimum of 25 feet wide, and shall be properly signed and striped.
- C. Outside turning diameter on Cul-de-Sacs shall be a minimum of 96 feet.
- D. Approved fire apparatus access roads shall be provided for every facility, building, or portion of a building hereafter constructed or moved into within the district.
- E. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet of all portions of the facility or any portion of the exterior wall of the first story of the building measured by an approved route around the exterior of the building or facility.
- F. The fire apparatus access road shall provide access to a minimum of three side of the building or facility.
- G. Overhead clearance shall be a minimum of 13 feet 6 inches.

Section XI – Fire Hydrants

- A. Public and private fire service mains and appurtenances shall be a minimum of 6 inch line.
- B. If the water line is a dead end line and exceeds 500 feet in length or has two or more hydrants on the line, an 8 inch line is required.
- C. Spacing between fire hydrants shall not exceed 500 feet. The minimum distance to the building that a fire hydrant can be located is 40 feet.
- D. Fire hydrants shall be provided no less than 20 feet nor more than 50 feet of all intersecting streets.
- E. One fire hydrant shall be provided within 150 feet of the terminus of a public or private dead end street, common access drive, or cul-de-sac.
- F. Fire Hydrants shall have a 5 inch Storz fitting attached to the steamer port, plus two additional 2 1/2 inch side discharge ports equipped with National Standard Hose Thread.
- G. All Threads provided for fire department connections to sprinkler systems, standpipe systems, yard hydrants or any other fire hose connection shall be compatible with the connections utilized by the local fire department.
- H. All fire hydrants shall be installed, inspected, tested and approved in accordance with NFPA 24.
- I. Fire Hydrant height shall be at least 12 inches, but no more than 24 inches above the surrounding finished grade. Such measurements shall be made from the bottom of the lowest outlet on the hydrant barrel.

Section XII – Standpipe Systems

- A. Standpipe systems shall comply with all the requirements of NFPA 14 for a Class III Standpipe System (2 ½ inch hose connections).
- B. An adequate number of Class II Standpipes shall be installed to allow any point in the building to be reached by a 100 foot length of hose and a 25 foot water stream.
- C. Standpipe connections shall be required at all designated Exit Locations.
- D. A shut off valve shall be provided at each hose connection location.