



*****PLEASE REVIEW THE ENTIRE CHECKLIST. WE WILL MARK AREAS WE BELIEVE ARE RELEVANT.
HOWEVER, ALL OF THE CRITERIA APPLY *****

Checklist for Site Plans

- The fire apparatus access road shall comply with the requirements of this paragraph and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building. If building is sprinklered, then the code official can increase the dimension. OFC 503.1.1
- Fire apparatus access roads shall have an unobstructed width of not less than 20 feet and an unobstructed vertical clearance of not less than 13 feet 6 inches. OFC 503.2.1
- Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved area for turning around fire apparatus. OFC D104.3
- Multi-family residential projects having more than a 100 dwellings shall have two separate & approved apparatus access roads. If buildings are sprinklered, 200 units shall be allowed. All buildings must be sprinklered, garages included. OFC D106
- One and two family dwelling units over 30 shall have two separate and approved apparatus access roads. OFC D107.1
- Where security gates are installed, they shall have an approved means of emergency entry. Currently use Knox brand products for entry. OFC 503.2.5
- For commercial buildings, if the building is more than 30' or three stories in height shall have at least two means of fire apparatus access for each structure. D104.1
- Commercial buildings exceeding 62,000 sq. ft. shall have two separate and approved fire access roads. Can go up to 124,000 sq. ft. if equipped with approved automatic sprinkler system. OFC D104.2
- Aerial Apparatus Access roads of 26' are required for buildings exceeding 30' to the eaves or top of the parapet wall. Shall be located not less than 15' and no greater than 30' from the building parallel to one entire side. No overhead utility and power lines allowed. OFC D105
- Provide turning radius to show apparatus will make all turns. OFC D103.3
- Fire lanes will need to be marked on site plan. OFC D103.6
- Fire apparatus access roads shall not exceed 10 percent in grade. OFC D103.2

- Show and label any hydrants on plans, both new and existing and water mains.
- Water supply shall meet Ohio Fire Code Appendix B & C **(Put GPM flow of hydrant(s) on site plan.)**
- All portions of the building must be within 400 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building. 600' is allowed if the building is fully sprinklered. OFC 507.5.1
- Hydrants need to be spaced 300' apart in commercial areas and 400' residential for access roadways & streets.





- Show FDC on front address side of building and within 100' of a hydrant. **The FDC & hydrant connection cannot interfere with the access for other responding apparatus.** The FDC needs to be a grade level of the sidewalks. The FDC needs a sign above it stating what system it serves/address along with operating pressures and gallons per minute required. Multiple FDCs on a building must show what area of the building they serve. Put signage requirement on all site plans, as not noting it can be a failure when site plan is reviewed. OFC 912
- All FDC's must have locking Knox caps.(Please put a note on site plans) OFC 912.3.1
- Buildings that are considered a high rise need two separate FDCs that are remote from each other.
- The fire pump room shall be accessible from the outside and the room rated.

NFPA 20, 4.13.2

- Emergency responder radio coverage. All new buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building (The test is done by a 3rd party). Existing Building owners shall conduct a test of the ERRS coverage when a Change of Use occurs, change of intended use that has the potential to increase the level of risk, or when the proposed construction costs of the renovation or addition exceed 25% of the "full and fair cash value" of the building based upon all work completed with a 36 month period. OFC 510
- City of Columbus is requiring the use of the Rapid Key Entry System. Knox entry required for each secured tenant space. OFC 506.1
- If any buildings are one site that will be demolished, can they be donated to Columbus Fire for training purposes?
- Generators and Fuel tanks must have:
 - (1) Vehicle impact protection. OFC: Section 312.
 - (2) Security against unauthorized entry. OFC: 5704.1.2.
 - (3) An approved location by the Division of Fire BUSTR Inspectors.
 - (4) Contact Columbus Fire BUSTR Inspectors at 614-221-3132 x75620 or 614-221-2132 x75643.

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