



City of Madison Fire Department

314 W Dayton Street, Madison, WI 53703
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Project Address:
Contact Name & Phone #:

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If non-sprinklered , fire lanes extend to within 150-feet of all portions of the exterior wall? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If sprinklered , fire lanes are within 250-feet of all portions of the exterior wall? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
d) Is the grade of the fire lane not more than a slope of 8%? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
e) Is the fire lane posted as fire lane? (Provide detail of signage.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
a) Is the gate a minimum of 20-feet clear opening? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If yes, does the area for turning around fire apparatus comply with IFC D103? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If yes, see IFC 3206.6 for further requirements.
6. Is any part of the building <u>greater than 30-feet</u> above the grade plane? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If yes, answer the following questions:
a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i>
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) Is there at least 40' between a hydrant and the building? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.</i>

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.503** and **IFC 2021 Edition Chapter 5 and Appendix D**; please see the codes for further information.