



City of Sun Prairie Fire Department

2598 W Main St., Sun Prairie, WI 53590

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? If non-sprinklered , fire lanes extend to within 150-feet of all portions of the exterior wall? If sprinklered , fire lanes are within 250-feet of all portions of the exterior wall?	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No	☐ N/A ☐ N/A ☐ N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a. Is the fire lane a minimum unobstructed width of at least 20-feet? b. Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c. Is the minimum inside turning radius of the fire lane at least 28-feet? d. Is the grade of the fire lane not more than a slope of 8%? e. Is the fire lane posted as a fire lane? (Provide detail of signage)? f. Is the roll-able curb used as part of the fire lane? (Provide detail of curb)? g. Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs)?	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No ☐ No ☐ No ☐ No ☐ No	☐ N/A ☐ N/A ☐ N/A ☐ N/A ☐ N/A ☐ N/A ☐ N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: a. The gate must have a minimum of 20-feet clear opening? b. Approved means of emergency operations installed, key vault, padlock or key switch?	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No	☐ N/A ☐ N/A ☐ N/A
4. Is the fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D103	☐ Yes ☐ Yes	☐ No ☐ No	☐ N/A ☐ N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, does the area for turning around fire apparatus comply with IFC D103	☐ Yes ☐ Yes	☐ No ☐ No	☐ N/A ☐ N/A
6. Is any part of the building greater than 30-feet above the grade plane? If yes, answer the following questions: a. An aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter shall be provided? b. The near edge of the aerial apparatus fire lane must be between 15' and 30' from the building? c. Does the aerial apparatus fire lane have a minimum unobstructed width of 20-feet?	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No ☐ No	☐ N/A ☐ N/A ☐ N/A ☐ N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants: <i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i> a. Is there at least 40' between a hydrant and the building? b. 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? c. Are the hydrants located in parking lot islands a minimum of 3½ - feet from the hydrant to the curb? d. 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?	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No ☐ No ☐ No	☐ N/A ☐ N/A ☐ N/A ☐ N/A ☐ N/A

Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.

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

Additional reminders:

- To expedite the review process, the SPFD requests a fire department sheet in the plan submittal package. The fire department sheet should demonstrate compliance with this worksheet and the adopted fire codes.
- Private fire main shall be the same size as the public water main that supplies the private system. Alternatively, the private fire mains may be designed based on the required fire flow and fire sprinkler system demand.
- Emergency Responder Communications Coverage (radio repeater) shall be provided in accordance with the Wisconsin Commercial Building Code and Chapter 5 of the International Fire Code.

This worksheet is based on Sun Prairie Ordinance, Chapter 19 and IFC 2021 Edition Chapter 5 and Appendix D; please see codes for further information.