



Office of the Fire Marshal

Always Ready, Proud to Serve

MIAMI-DADE FIRE RESCUE DEPARTMENT FIRE PREVENTION DIVISION

DRAFTING HYDRANT SPECIFICATIONS

Drafting hydrants are alternative means of water supply that can be used by fire department units to aid in the extinguishment of fire in areas where the municipal water supply is either insufficient or non-existent. Drafting hydrants must be installed in accordance with NFPA 1142 *Water Supplies for Suburban and Rural Fire Fighting* and include the following requirement and specifications:

1. Must obtain applicable permit from the Building Department having jurisdiction and the Miami Dade Health Department ([Florida Department of Health in Miami-Dade County Environmental Public Health](#)).
2. A well dedicated for firefighting only will not require a Consumptive Water Use permit from the South Florida Water Management District ([South Florida Water Management District](#)); however, any well also used for commercial irrigation will require a SFWMD Consumptive Water Use permit.
3. Prior to installation, plans or drawings of the draft hydrant to include a site plan will be submitted to the Miami-Dade Fire Rescue Department's Fire Engineering Bureau (786) 315-2771.
4. Well shall be designed and constructed to provide a minimum flow of 1,000 gallons per minute.
5. Well shall be located no more than 1,200 feet from a public road and no closer than 100 feet from the structure and shall be accessible from a roadway or driveway.
6. Well must be designed such that the lift is no more than 10 feet. Lift is the distance between the average surface level and the water supply and 24 inches above grade level.
7. All piping shall be either American Society for Testing and Material (ASTM) Class 52 Ductile iron or Schedule 80 PVC, with a minimum diameter of 6 inches. Piping will not be reduced in size until the final transition to the draft connection.
8. All connections shall be clean and the appropriate sealing material used according to manufacturer's specifications so as to ensure all joints are airtight.

MDFR FIRE ENGINEERING BUREAU
11805 SW 26 STREET, SUITE 150, MIAMI, FLORIDA 33175
PHONE 786.315.2771 / FAX 786.315.2922
WWW.MIAMIDADE.GOV/FIRE

9300 NW 41 STREET, DORAL, FL 33178-2414
TEL 786 331 4807 WWW.MIAMIDADE.GOV/FIRE

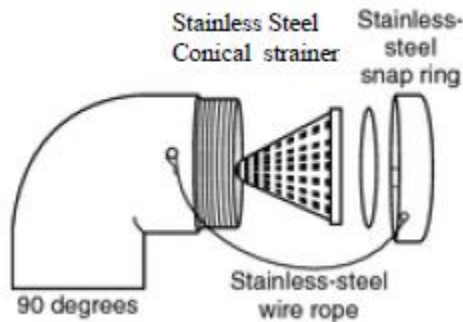




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9. Hydrant shall have a single draft connection consisting of a threaded male 4.5 inches in diameter, with National Standard Thread (NST) and provided with a suitable cap.



10. Draft connection shall be located a maximum of 24 inches measured from grade level to the top of the threaded connection.
11. Hydrant shall be protected by concrete-filled Schedule 40 galvanized steel pipe guard posts. Guard post shall be no less than 4 inches in diameter, protecting all exposed piping from potential vehicular damage. Guard post shall be a minimum of 5 feet in length with the bottom 2.5 feet embedded in concrete 30 inches deep and 12 inches in diameter.
12. Draft connection shall terminate not more than 8 feet from the edge of the pavement or hard-rock roadway.
13. All piping must be painted with chrome yellow oil-based paint to protect from the adverse effects of sunlight.
14. Drafting hydrant must be identified by signage visible from the closest roadway. The sign must state "Drafting Hydrant" in red letters no less than 6 inches in height on a white background and surrounded by a white border of no less than 4 inches.
15. For drafting hydrants on private property, the property owner/representative must submit a notarized copy of the "MDFR Access to Water Supply" form at time of permit application.

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ACCESS TO USE AND/OR MAINTAIN WATER SUPPLY UNIT

AGREEMENT

I _____ owner and/or representative of the property for the
(NAME)

water supply point located at _____
(ADDRESS)

hereby authorize Miami-Dade Fire Rescue Department to access aforementioned property for the purpose of access to the water supply point and for use during any and all emergencies, as deemed necessary by the Miami-Dade Fire Rescue Department.

SIGNATURE

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or

☐ online notarization this _____ day of _____, 20____, by
_____, who, after being duly sworn and deposed, upon
oath, executed the foregoing agreement and acknowledge the contents thereof to be true and to be used
for the purposed therein mentioned.

Individual(s) identified by:

☐ Personal Knowledge ☐ Satisfactory Evidence: Type _____

NOTARY PUBLIC SIGNATURE

MY COMMISSION

EXPIRES: _____

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