



# Fire Flow Report



City of Pompano Beach • Bureau of Fire Prevention  
100 West Atlantic Boulevard, Room 220 Pompano Beach, FL 33060  
Phone: (954) 786-4978

Date: 7 / 27 / 21 P.R.A. Number: \_\_\_\_\_  
Project Name: U-Haul North Pompano  
Project Address: 1120 NE 48th Street, Pompano Beach, FL 33064  
Contact Name: Matthew Giani, P.E.  
Company Name: Shah, Drotos & Associates  
Mailing Address: 3410 N. Andrews Ave. Ext.  
City: Pompano Beach State: FL Zip Code: 33064  
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## Proposed Building Information:

- ❖ Fire hydrant flow test must have been completed within a 12 month period for the address or project.
- ❖ Fire Flow. The flow rate of a water supply, measured at 20 psi residual pressure that is available for firefighting.
- ❖ Fire Flow Area. The floor area, in square feet, used to determine the required fire flow.
- ❖ A reduction in required fire flow of 75 percent shall be permitted when the building is protected throughout by an approved automatic sprinkler system. The resulting fire flow shall not be less than **1000 gpm**.

## Building Type and Size – As per NFPA Building Type Classifications (Refer to NFPA 1 chapter 18, Table 18.4.5.1.2 and Annex I)

Building Construction Type:	<u>IIB</u>
Gross Square Footage (Fire Flow Area):	<u>18,892</u>
Construction Type I(442), I(332), II(222) Square Footage of three largest floors:	<u>N/A</u>
Building Sprinkled: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Required Fire Flow (GPM):	<u>3000</u>
Fire Flow 75% Reduction (GPM):	<u>1000</u>
Number of Hydrant Required:	<u>1</u>

Construction Cross Reference:	
I(442)	
I(322)	IA
II(222)	IB
II(111)	IIA
II(000)	IIB
III(211)	IIIA
III(200)	IIIB
IV(2HH)	IV
V(111)	VA
V(000)	VB

## New Site Developemnt:

- Label all existing/proposed water main sizes and location.
- Point of connections to public water.
  - Minimum two connections (looped system) for projects with a combination of multiple fire hydrants or systems that supply hydrants, fire sprinklers and domestic water supply.
- Fire hydrants and fire sprinkler supplies must have a separate taps on a looped supply.
- Location of minimum required fire hydrants.
  - Private hydrants painted silver.
  - Blue road marker in center of road lane.
- Location/size of fire sprinkler undergrounds.
- Location of fire sprinkler fire department connection.
  - Red road marker in center of road lane.

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