



Your Source for Fire Protection...

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Design • Installation • Inspection

Pompano Beach, June 26, 2020.

Berrie Architecture & Design, Inc.
2301 W. Sample Rd., Bld'g 5, Ste. 7 C
Pompano Beach, Florida 33073

Attn: **Richard Berrie**

Re: Fire Flow Calculation for Atlantic 3350 Project
3350 E. Atlantic Blvd.
Pompano Beach, FL 33062

Dear Richard,

Attached is the fire flow calculation for the above mentioned structure. Since the two buildings share the same parking garage, this fire flow is for the entire structure. It is based on the area of three parking levels and assumes the building is protected by quick response sprinklers. Since the fire flow (1,188 gpm) is less than 1,500 gpm, only one hydrant is needed to provide the fire flow. The closest hydrant to the complex must be no more than 400 feet away and the distance between hydrants must not exceed 500 feet.

In this case, the water flow test demonstrates that at 20 psi the corresponding flow is must greater than 1,188 gpm.

Should you have any questions or concerns please do not hesitate to contact me at our office number listed above.

Kindest regards.

A handwritten signature in black ink, appearing to read "Sidney Forin", written over a horizontal line.

Sidney Forin
Sales Representative

DRC

PZ20-12000005
11/18/20

DRC

PZ20-12000005
8/19/2020

Fire Flow Calculation for:**Atlantic 3350 Project**

3350 E. Atlantic Blvd.,
Pompano Beach, FL 33062

Required Fire Flow Calculation	
Description:	2 buildings sharing a 4 level parking garage at the bottom of the structure
Building Construction Type:	Type II Construction
Largest Area of 3 Successive Levels:	186,000 sq.ft.
Minimum Fire Flow per NFPA 1: Table 18.4.5.2.1:	4,750 gpm
Fire Flow Duration per NFPA 1: Table 18.4.5.2.1:	4 hrs.
Actual Fire Flow based on (1) Reduction for using QRS (i.e. reduction of 75%), (2) minimum 600 gpm and (3) maximum 2,000 gpm.	1,188 gpm
Minimum Fire Flow (rate and duration)	1,188 gpm for 4 hours