

Summary of required Fire Flow

1. Site Data

Structure	<u>Bldg Area</u>	<u>Fire Flow Area</u>
Building 1	380,160. SF	

Type of Construction - II(222) - from NFPA 220; Fire Resistive, Non-combustible

2. Determine Required Fire Flow per Florida Fire Prevention Code (NFPA 1 as amended)
(Unsprinkled Building)

Required Fire Flow (RFF) = **6,000** gpm@ 20 PSI per NFPA 1 Ch 18 table 18.4.5.1.2

3. Determine Required Fire Flow per Florida Fire Prevention Code (NFPA 1 as amended)
(For NFPA compliant Automatic Sprinkled Building)

Sprinkled Bldg Required Fire Flow reduce RFFby 75% = **1500 gpm @ 20 PSI**
Minimum Required Flow for Sprinkled Bldg = **1000 gpm @ 20 PSI** USE **1500** gpm

4. Determine Available Flow from Flow Test

Static = 79 psi
Residual = 73 psi
Flow = 1250 gpm

$$1250 (79 - 20 / 79 - 73)^{0.54} = 4,295.052 \text{ gpm @ 20 PSI}$$

Total Flow at 20 psi using test data Residual Pressure
FH **4,295** gpm

DRC

PZ21-12000040

2/16/2022

WATER FLOW TEST SUMMARY SHEET

Hyd. No.	Outlet I.D. inches	Pitot Press. psi	Flow gpm	Residual psi	Date: 12/01/21 Time: 24 HOURS Job #: 21EB-0365
1	2.5"	—	1,250	73	Job Name: HIDDEN HARBOUR, LLC.
2	—	—	—	—	Address: 2315 N.E. 15 STREET
3	—	—	—	—	Test Done By: PHILLIPS FIRE SPRINKLERS, INC.
Total Flow			1,250	73	Static Press: 79 psi Flow @ 20 psi >2,000 gpm



FLOW (GALLONS PER MINUTE)

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