



REQUIRED FIRE FLOW INFORMATION
NFPA 1, 18.4.5, FLORIDA FIRE PREVENTION
CODE - EIGHTH EDITION

Occupancy Classification: Residential Commercial

Florida Building Code Construction Type: _____

Number of Floors: _____

Fire Area per Floor: _____

The fire area is the floor area in square feet used to determine the required fire flow. It is determined based on the floor area within the surrounding exterior walls and fire separation walls used to create separate buildings.

Total fire area: (check one)

Total fire area – Fire area per floor X number of floors _____ or

If type IA or Type IB construction:

Total fire area = Fire area per floor X area of the three largest successive floors _____

The fire flow GPM from the attached table is _____ for _____ hours flow duration

Reductions:

75% if building is protected throughout by an approved automatic sprinkler system but not less than 1000 GPM.

Required fire flow GPM _____ minus 75% = _____ or 1000 GPM

75% if building is protected throughout by an approved automatic sprinkler system using quick response sprinkler throughout but not less than 600 GPM.

Required fire flow GPM _____ minus 75% = _____ or 600 GPM

REQUIRED FLOW TEST DATA

1. Map showing location of proposed building, flow hydrant and static/residual hydrant.
2. Date and time of flow test.
3. Name of company conducting flow test and witnesses to flow test.
4. Static and residual PSI from static/residual hydrant.
5. Flow in GPM from flow hydrant and PSI at flow from flow hydrant.

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Table 18.4.5.2.1 Minimum Required Fire Flow and Flow Duration for Buildings

Fire Flow Area ft ²						
IA, IB	IIA, III A	IV, VA	IIB, III B	VB	Fire Flow GPM	Flow Duration (Hours)
0-22,700	0-12,700	0-8200	0-5900	0-3600	1500	2
22,701-30,200	12,701-17,000	8201-10,900	5901-7900	3601-4800	1750	2
30,201-38,700	17,001-21,800	10,901-12,900	7901-9800	4801-6200	2000	2
38,701-48,300	21,801-24,200	12,901-17,400	9801-12,600	6201-7700	2250	2
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7701-9400	2500	2
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9401-11,300	2750	2
70,901-83,700	33,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3000	3
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,600	3250	3
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,601-18,000	3500	3
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3750	3
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4000	4
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4250	4
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4500	4
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4750	4
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5000	4
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5250	4
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5500	4
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5750	4
Greater than 295,900	Greater than 166,500	106,501-115,800	77,001-83,700 6	47,401-51,500	6000	4
		115,801-125,500	83,701-90,600	51,501-55,700	6250	4
		125,501-135,500	90,601-97,900	55,701-60,200	6500	4
		135,501-145,800	97,901-106,800	60,201-64,800	6750	4
		145,801-156,700	106,801-113,200	64,801-69,600	7000	4
		156,701-167,900	113,201-121,300	69,601-74,600	7250	4
		167,901-179,400	121,301-129,600	74,601-79,800	7500	4
		179,401-191,400	129,601-138,300	79,801-85,100	7750	4
		Greater than 191,400	Greater than 138,300	Greater than 85,100	8000	4

Criteria regarding Maximum Fire Hydrant Fire Flow Capacity shall be considered applicable in accordance with NFPA 1 Table 18.5.4.3 Florida Fire Prevention Code - Eighth Edition