



RPJ INC.
CONSULTING ENGINEERS

MEMORANDUM

TO: Pascual, Perez, Kiliddjian, Starr & Associates
ATTN.: Edgar Perez
FROM: Rafael Peña, Jr., P.E.
RE: Pompano LIVE!
DATE: January 21st, 2025

The fire flow requirements are as follows:

Building TH Type 1 (Building 1 & 3)

Construction type: Type V B sprinklered 3 stories.

Total building gross area: 18,847 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 3750 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $3750 \text{ GPM} \times .25 = 938 \text{ GPM}$



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The fire flow requirements are as follows:

Building TH Type 2 (Building 2)

Construction type: Type V B sprinklered 3 stories.

Total building gross area: 16,704 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 3500 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $3500 \text{ GPM} \times .25 = 875 \text{ GPM}$



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The fire flow requirements are as follows:

Building TH Type 3 (Building 4)

Construction type: Type V B sprinklered 3 stories.

Total building gross area: 33,588 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 5000 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: 5000 GPM X .25 = 1250 GPM



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The fire flow requirements are as follows:

Building TH Type 4 (Building 7, 8 & 9)
Construction type: Type V B sprinklered 3 stories.
Total building gross area: 20,990 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 4000 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $4000 \text{ GPM} \times .25 = \underline{1000 \text{ GPM}}$



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The fire flow requirements are as follows:

Building TH Type 5 (Building 5)

Construction type: Type V B sprinklered 3 stories.

Total building gross area: 42,571 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 5500 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $5500 \text{ GPM} \times .25 = \underline{1375 \text{ GPM}}$



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The fire flow requirements are as follows:

Building TH Type 6 (Building 6)

Construction type: Type V B sprinklered 3 stories.

Total building gross area: 34,941 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 5000 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $5000 \text{ GPM} \times .25 = \underline{1250 \text{ GPM}}$



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The fire flow requirements are as follows:

Building MF Type 1 (Building 10,11, 12,13 and 15)

Construction type: Type II B sprinklered 6 stories.

Total building gross area: 78,756 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 4000 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $4000 \text{ GPM} \times .25 = \underline{1000} \text{ GPM}$



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The fire flow requirements are as follows:

Building MF Type 2 (Building 14 and 16)
Construction type: Type II B sprinklered 6 stories.
Total building gross area: 82,686 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 4250 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow required: $4250 \text{ GPM} \times .25 = \underline{1062.50} \text{ GPM}$



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The fire flow requirements are as follows:

Building Type Clubhouse

Construction type: Type V B sprinklered 1 story.

Total building gross area: 3,392 square feet.

As per NFPA 1 2018 edition Table 18.4.5.2.1 fire flow required is 1500 GPM for a period of 2 hours.

As per NFPA 1 18.4.5.3.2 a 75% fire flow reduction is allowed when the building is fully sprinklered.

Minimum flow calculated: $1500 \text{ GPM} \times .25 = 375 \text{ GPM}$

Minimum flow required: 600 GPM