



Project: Orianos - 1 E. McNab	Date:
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Computed by: DI	Page:
Checked by: NW	1

COMPUTING WORKSHEET

Summary of Required Fire Flow

1. Site Data

Structure	Bldg Floor Area	Fire Flow Area
Restaurant		
Restaurant	6,350 SF	6,350 SF (Max. with 1 hr rated fire wall separation)

Restaurant

Type of Construction - V(000) - from NFPA 220; Unprotected Combustible

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

Restaurant

Required Fire Flow (RFF) = 2,250 gpm @ 20 PSI per NFPA 1 Ch 18 table 18.4.5.1.2

Duration = 2 Hours

3. Determine Required Fire Flow per Florida Fire Prevention Code (NFPA 1 as amended)

Restaurant

Unsprinkled Bldg (No Fire Flow Reduction) = 2,250 gpm @ 20 PSI

Controlling Required Fire Flow 2250 gpm

4. Determine Available Flow from Flow Test

Total Flow at 20 psi using test data Residual Pressure

FH 4,831 gpm

Total Available Flow @ Test Static (77 psi) 4,831 gpm

Available flow exceeds Required Fire Flow Unsprinkled Building

Total Flow at 20 psi with Design System Residual Pressure Adjusted to 50 psi

FH 3,416 gpm

Total Available Flow @ 50 psi Static 3,416 gpm

Available flow exceeds Required Fire Flow for Unsprinkled Building

DRC

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