Burger King Store

16130 NW U.S. Highway 441, Alachua, FL

ISO NEEDED FIRE FLOW CALCULATIONS

(1/30/2020)

NFF = NEEDED FIRE FLOW

$NFF = (C_i)\ (O_i)\ [1.0+(X+P)_i]$

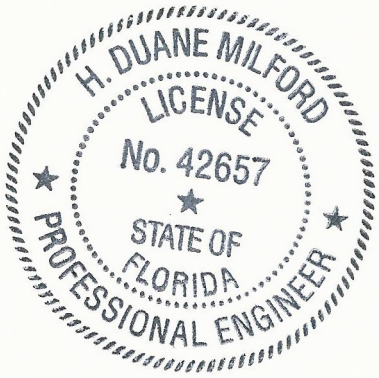
$C_i = 18F(A_i)^{0.5}$, where F = 1.5 for Class 1 (Frame) Construction and A = 3,349 s.f.

C_i = 1500 gpm, rounded to nearest 250 gpm

O_i = 1.0, Occupancy Combustible Class C-3 (Combustible)

X = P = 0, no adjoining or connected buildings

NFF = 1500 gpm



H. Duane Milford, PE

Digitally signed by H. Duane Milford, PE
Date: 2020.01.30 09:44:47 -05'00'

Prepared by: H. Duane Milford, P.E.
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