

FIRE SPRINKLER CALCULATION COVER SHEET – DESIGN, CFC-2007, NFPA 13-2002

Project Name: _____

Date: _____ Address/Location: _____

System#: _____ Contractor: _____ Designer: _____

Contact: _____ Phone: _____ Fax: _____

Project Type: New, Resubmittal, T.I., Upgrade, Remodel, Addition, Other _____

REQUIRED INFORMATION, As Applicable

Test/Remote (Name of Area/Plan Sheet): _____

Construction: Unobstructed, *Obstructed (Refer to page 2, Give reference/type per A.3.7.1)
 Combustible, Non-Combustible

System Type: Wet, Dry, Gridded, Looped, Circulating Closed-Loop, Deluge,
 Antifreeze: Solution Type _____ Capacity (gpm) _____.
 Dry Pipe Preaction, Other: _____.

Hazard: Light, Ordinary Grp 1, Ordinary Grp 2, Extra Grp 1, Extra Grp 2, Special
 Storage: High Piled/Rack (See page 2) Miscellaneous Storage, Plastics, Other: _____

Area of Sprinkler Operation: _____ Area Per Sprinkler: _____ Density: _____

Applying Room Design Method: Yes, No. *Special Design Method: Yes, No. Hose Allowance –
Inside: _____, Outside: _____ Rack Sprinkler Allowance: _____ Sprinkler Make: _____

Sprinkler Model/s: _____ Size/s: _____, Type/s: _____, K- factor/s: _____ Temp: _____/_____

SIN: _____ ESFR's, Applying NFPA 13:11.2.3.2.4 (Q.R. modifier applied)? No, Yes. Ceiling

Height: _____ ft. _____ in. Formula/s on the plans). Roof/Ceiling Slope: ft _____ in _____.

NFPA 13 CALCULATION SUMMARY

Density: _____ Area: _____ ft/2 Flowing: _____ gpm, At: _____ psi, at Base of Riser
Reference/Node: _____ with: _____ heads operating. "C" Factor Used - Underground: _____.
Overhead: _____ Elevation of heads operating from Floor: _____ Water Supply Info Attached

RESIDENTIAL SYSTEMS

NFPA 13D, 13R, 13D Modified. Number of heads operating: _____ Elevation from BOR:
_____ ft. _____ in. Sprinkler Make/s: _____ Model/s: _____ SIN: _____

Temp/s: _____ Upright, Pendant Recessed, Pendant Concealed, Pendant, Sidewall,

Other: _____. Area per sprinkler: _____ ft/2 - _____ ft. x _____ ft. Vaulted Ceilings: Yes, No.

Pitch _____ in 12". Installing Backflow Preventer: Yes, No/Who: _____. Operating through

a Meter: No Yes. Size: _____. Contractor Installing the Underground: _____. Flows

information provided downstream of the Meter: Yes, No/Where: _____. Size, Pipe type & C-Factor

from Tap to Meter: _____. Size, Pipe type & C-Factor Meter to Sprinkler "take off": _____.