

# Sprinkler Design Data

Project Name:		System:	
Project Street Address:		Sys. Sq. Ft.:	
Suite:	Floor#:	Ceiling Height:	
Designed By:	Phone:	Total Bldg. Hgt.:	
Occupancy:	Hazard:		

## Design Summary

	System #	System #	System #	System #	System #
Design Method					
Design Area #					
Location					
Type of System					
Hazard Class					
Criteria From					
Design Area					
Sprinkler Spacing					
Density					
K-factor					
Hose Allowance					
# Design Sprinklers					
Special Application Spk.					
Requirement <input type="radio"/> BOR					
G.P.M. Req'd					
P.S.I. Req'd					
Requirement <input type="radio"/> TEST					
GPM Required					
PSI Required					
Safety factor <input type="radio"/> Test					
Dry Sys. Volume (gal)					

## Water Supply Information

Tested by	Date/Time	Pressure Hydrant
Hydrant Elevation	Flow Hydrant # 1	Flow Hydrant #2
Static (PSI)	Residual (PSI)	Flow (gpm)

Copy of Water Test Data Included with Calculation is required

## Fire Pump Data

Rated G.P.M.	Rated Pressure	Horsepower
Diesel/Electric	Churn Pressure	Style of pump
Combined Discharge	150% Flow (suction)	150% Flow (gpm)

Certified pump curve required

If Storage is Greater than 12 Feet Complete Commodity Storage Design Information

Comodity Description		Storage Type (Rack,Bin,Pile)							
Comodity Class	Storage Height	Clearance							
Stable/Unstable	Open/Close Array	Wet/Dry System							
Figure #	Curve #	Density	Height	Clear Factor	Array Factor	Dry Penalty	Design	Minimum Design	Final Design
		Area	Factor						
	Initial								
	Secon								
	-dary								
Is system compliant with Chapter 23 (FPC)				Is storage area layout, rack, and pile plan included?					

DRAWING NO.  
FP-1

DATE:

REVISIONS:  
3-15-2010

DESCRIPTION:  
SPRINKLER DESIGN DATA

CITY OF RALEIGH FIRE DEPARTMENT  
FIRE PROTECTION DIVISION  
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