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 @ BOR					
G.P.M. Req'd					
P.S.I. Req'd					
Requirement @ TEST					
GPM Required					
PSI Required					
Safety factor @ Test					
Dry Sys. Volume (gal)					

Water Supply Information

Tested by		Date/Time		Pressure Hydrant	
Hydrant Elevation		Flow Hydrant # 1		Flow Hydrant #2	
Static (PSI)		Residiual (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 / Area	Height Factor	Clear Factor	Array Factor	Dry Penalty	Design	Minimum Design	Final Design
		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
310 WEST MARTIN ST. RALEIGH, NC 27602