

Done :	Date :	
		Point of compass.
		Full height cross-section, including ceiling construction.
		Location of partitions and firewalls.
		Occupancy class of each area or room.
		Location and size of concealed spaces, closets, attics, and bathrooms.
		Show any small enclosures in which no sprinklers are to be installed.
		Size of city main in street (circulating or dead end), city main test results and building elevation relative to the hydrant .
		Other sources of water supply, (tank, well, etc.)
		Make, type, and orifice size and temperature of the sprinklers.
		Total area protected by each system on each floor and area.
		Total # of sprinklers on each dry, pre-action, combined or deluge system and size of each system in gals.
		Type of fitting and joints, (Provide catalog cut sheets)
		All control valves, check valves, drain pipes, and test connections. (Provide catalog cut sheets)
		Make type model and size of alarm valves, dry pipe valve, check valve, preaction and/or deluge valves (Provide catalog cut sheets)
		Kind and location of water flow alarm bells and/or horn strobe
		Size and location of the fire department connection.
		For hydraulically designed systems information next to each design area.
		Hydraulic reference points that correspond with all ___ from the hydraulic calculations located on the drawings.
		The minimum rate of water application (density), the design area of water application sprinkler demand, and the water required for hose streams inside and out, including 5 PSI or 10% Safety Factor which ever is greater.
		Relative elevations of sprinklers, piping, and supply or reference points.
		If room design method is used, show all unprotected wall openings throughout the floor-protected.
		The setting for pressure relief valves if required.
		Information about backflow preventers. (provide catalog cut sheets)
		Information about anti-freeze solution used (type and amount).
		Size, location, and piping arrangement of fire department connections.

Done :	Date :	
		8-2.1 Water Supply Capacity Information
		Location, of the static and residual test gauge with relation to the riser reference point.
		Flow location.
		Static pressure, psi (bar).
		Residual pressure, psi (bar).
		Flow, gpm (L/min).
		Time, Date and how performed the test.
		Other sources of water supply.
		8-3 Hydraulic Calculation Forms
		8-3.2 Summary Sheet
		Description of hazard.
		Design area of water application ft^2 (m^2).
		Design density gpm/ft^2
		Area per sprinkler, ft^2
		Total water requirements
		Allowance for in-rack sprinklers, gpm if available
		Limitations on extended coverage or other listed special sprinklers. (Provide Catalog Cut Sheets)
		8-3.3 Detailed Work Sheets
		Sheet number.
		Sprinkler description and discharge constant (K).
		Hydraulic reference points.
		Flow in gpm
		Pipe sizes
		Pipe lengths, center-to-center of fittings.
		Equivalent pipe lengths for fittings and devices.
		Friction loss in psi/ft of pipe.
		Total friction loss between reference points.
		In-rack sprinkler demand balanced to ceiling demand if required.
		Elevation head in psi between reference points.
		Required pressure in psi at each reference point.
		Velocity pressure and normal pressure if included in calculations.
		Notes to indicate starting point or reference to other sheets or to clarify data shown.
		Diagram to accompany gridded system calculations to show the grid is the most remote.
		Combined K-factor calculations for sprinklers on drops, armovers, or sprigs if for forming or equivalent K. Factor.
		8-3.4 Graph Sheet
		Water supply curve.
		Sprinkler system demand.
		Hose demand (where applicable).
		In-rack sprinkler demand (where applicable).
		Fire Pump curve where applicable