I. CONTRACT INFORMATION

1. Project Name:	2. Contractor:
Street Address:	License Number:
City, State:	Phone:

3. Authority Having Jurisdiction:_____

II. WATER SUPPLY / CITY MAIN

____A. Size of City Main
____B. Type of Material Used for City Main
C. City Main Test Results
____1. Static pressure
____2. Residual pressure
____3. Flow (in gallons/minute)
____4. Location and elevation of test hydrant
____5. Date of test (max 12 months old) [23.1.1]
____6. Time of test
____7. Test conducted by or info. from

III. UNDERGROUND

____A. Connection to Water Supply
____B. Fire Department Connection [8.17.2]
____C. Material Used (type & Mfg.)
____D. Size
____E. Length
____F. Location
____G. Pressure Rating
____H. Type of Valves (Mfg, Model #, listing)
____I. Type of Backflow (Mfg, Model #, listing)
____J. Installation
____1. Fitting type
____2. Thrust blocking
____3. Depth of bury

IV. OVERHEAD PLAN

A. Design Criteria
_____1. Hazard classification [5.1]
_____2. Construction Type [3.7]
____a. Obstructed or Unobstructed [A.3.7.1-2]
____i. Deflector position [8.6.4]
____b. Combustible or Non-Combustible [3.3.1.6-7]
____c. Maximum spacing per sprinkler [Tables 8.6.2.2.1.2 (a)-(d)
_____3. Density and area of sprinkler operation
_____4. Density for storage
_____5. Rack storage of materials
____a. commodity classification
____b. storage arrangements

B. Room Occupancies

C. System Components
1. Piping
____a. material
____b. nominal size
____c. length of pipe
____d. Approximate capacity of dry-pipe system
2. Hangers, sleeves, and seismic
____a. material, configuration and listing
____b. location
____c. Seismic protection
____1. Bracing [9.3.5]
____2. configuration
____3. location (lateral & longitudinal)
____4. calculations
____5. method of restraint (vert & lat) [9.3.6]
____6. restraint spacing
____d. flexible couplings [9.3.2]
____e. clearance, separation assemblies [9.3.3-4]
____f. Oversize ring for drops, or rigid clg brace
3. Drains
____a. main drain size [Table 8.16.2.4.2]
____b auxiliary drains [8.16.2.5]
____c. test connection [8.17.4.1]
____d. provision for flushing mains [8.16.3.3]
____e. pressure relief valve [7.1.2]
____f. method for venting [7.1.5]
4. Joining of pipe and fittings
____a. material and type
____b. location of all welds and bends
5. Valves
____a. manufacturer, model, listing
____b. make, type, size of dry deluge valve
6. Sprinklers
____a. manufacturer, model, listing, SIN
____b. temperature rating
____c. special conditions or locations
____d. nominal orifice size
____e. location of high temperature heads
____f. number of sprinklers on each riser
7. Alarm
____a. Type, make, size
____b. location
____c. offsite monitoring

D. Spacing, Position, Etc.
____1. Complete construction details
____2. Roof slope
____3. Elevation of floor relative to source of water

E. Hydraulic Calculations
____1. Summary sheet
____2. Graph sheet
____3. Supply Analysis
____a. Demand 10% below supply
____b. Fixed loss devices shown
____4. Node analysis
____a. All sprinklers flowing proper water
____b. Correct elevations for nodes
____c. Equivalent k-factor calculations
____d. Correct k-factor for sprinkler
____e. Hose allowances applied correctly
____5. Most remote area
___a. Increased for roof slope [11.2.3.2.4]
___b. Increased for dry-system [11.2.3.2.5]
_____c. Decreased for QR heads [11.2.3.2.3.1]
_____d. Correct size, width [23.4.4.2.1]
____6. Peaking of gridded system [23.4.4.5.1]
____7. Flow diagram for grid system [23.3.3(15)]
____8. Hydraulic reference points [23.3.3(3)]
____9. Material on data nameplate [Fig A.25.5]
__10. In-rack demand added, balanced

F. Addition, Remodel
____1. Enough of existing system shown to make all conditions clear
____2. Calculations for addition

Miscellaneous
____1. North arrow
____2. Ceiling construction
____3. Full height cross section
a) roof slope?
____4. Location of firewalls, sealant method
____5. Location of partitions
____6. Occupancy of each area or room
____7. Location and size of concealed spaces, closets, attics, bathrooms
____8. Any questionable small enclosures in which no sprinklers are to be installed
____9. Total area protected
____10. Location and size of riser nipples
____11. Size and location of hand hose, hose outlets & related equipment
____12. Scale of drawing
____13. Abbreviations and symbols list
___14. Spare sprinkler supply and label for box, box location [6.2.9 inclusive]