PROJECT DATA SHEET INSTRUCTIONS

CONTACT NAME, PHONE NUMBER, AND EMAIL:

This information will not be on the fire sprinkler plan. It is needed for the designer in case there are questions concerning the project. Please provide the name and contact information of the person who is most familiar with the site and construction aspects of the project.

PROJECT NAME:

This will be what the project is called and will be on the plan. It will likely be what the project is referred to at the location where the plan will be submitted. It is usually the name of the owner, but may be a lot number and subdivision, a standard plan number, a project name or number, or job name or number.

PROJECT ADDRESS:

Provide the street address for the project - including the city and state. The city and state determines much of the design requirements. If an address has not yet been assigned, please provide the same description that has been used for the other project submittals. (APN #) Submittals may be rejected if the plan is unable to be logged in with the address provided.

TYPE OF HEADS DESIRED:

Concealed sprinklers are the most popular choice for homes, but also the most expensive. The actual sprinkler is concealed above a flat round cover plate. Pendent sprinklers stick down less than 1" below the finished ceiling and have a trim ring around them. Low Flow sprinklers are also "pendent" style but not as aesthetically pleasing. They are the least expensive sprinkler and some can be purchased with a "recessed" escutcheon (trim). All the styles mentioned are usually white and cannot be painted. Custom colors can be ordered from the manufacturer.

SPRINKLER MAKE:

If you are an owner/builder, I recommend that you check with the supplier(s) in your area and ask which make(s) of residential fire sprinklers are available. If you are unsure which make to choose, you may leave this section unmarked and I can specify the make(s) for you based on the design criteria (write "TBD" (to be determined)), but I cannot guarantee local availability or lowest priced product. Note: If you mark "TBD" and then decide on a different make after the plan(s) has already been designed – there will be additional fees to redesign and re-calculate the plan(s).

STATIC WATER PRESSURE (IN PSI) OR PUMP OUTPUT:

If you have a water meter, this may be obtained by using a hose bib gauge. Hose bib gauges can be purchased from a hardware store or home improvement warehouse. You may want to obtain the help of a plumber to see if you have a pressure reducer on your system and/or to help you obtain the psi at your project. Some jurisdictions require a flow test to be performed on the nearest fire hydrants and the

results to be included with your fire sprinkler plan design and submittal. Please check with your local jurisdiction. If you already have a pump, I will need the psi output (see below).

SIZE OF WATER METER OR WELL:

Indicate the size of the water meter as indicated on the meter itself, or mark "well/tank" if you have a well. If you have a 5/8" water meter, we will need to use low demand sprinklers at closer spacing and an automatic domestic shut-off valve – if allowed. You may be required to upsize 5/8" or 3/4" water meters, or install a tank/pump.

PIPE MATERIAL FROM STREET TO METER:

Indicate the water line material from the city water supply to the meter. (It may be necessary to contact your water department or dig in order to get this answer)

PIPE DIAMETER FROM STREET TO METER:

Indicate the water line diameter from the city water supply to the meter. (It may be necessary to contact your water department or dig in order to get this answer)

PIPE MATERIAL FROM METER TO BUILDING:

Indicate the water line material from the meter to the building. Most of the lines coming out of the ground at the house will be copper, but there may be a different material underground. (It may be necessary to dig in order to get this answer)

PIPE DIAMETER FROM METER TO BUILDING:

Indicate the water line diameter from the meter to the building. The type and/or diameter of pipe coming out of the ground at the building may not be the type of pipe or the same size pipe that is underground. (It may be necessary to dig in order to get this answer)

WELL SYSTEM TANK SIZE:

Provide the size of the tank or cistern or water storage in gallons. If you do not yet have a tank and would like me to determine the tank size for you based on your system (write "TBD" (to be determined)).

DISTANCE IN FEET FROM THE WATER SUPPLY (METER OR TANK) TO THE BUILDING:

If you have a water meter, provide the distance between the water meter and the building. If you have a well and a tank, provide the distance between the tank and the building. Please be accurate to the nearest foot.

EXPLAIN ELEVATION CHANGE FROM THE WATER SUPPLY (METER OR TANK) TO THE BUILDING:

If you have a water meter, provide the elevation change between the water meter and the building. If you have a well and a tank, provide the elevation change between the tank and the building. Please be accurate to the nearest foot and explain which is lower or higher. For example; "*meter is approx. 2' lower than the building*" or "*tank is 20' higher than the building*".

EXPLAIN THE EXACT LOCATION WHERE THE WATER SERVICE ENTERS THE HOUSE:

Describe exactly where the domestic water line comes into the building. For example; "*left side of garage, 3' back from front left corner of the building*". Please draw a small diagram if necessary. Descriptions of "left" and "right"/ "back" and "front" will be as facing the building from the street. Please do not use compass point descriptions unless a site plan with a North arrow has been provided.

The fire sprinkler system riser will be installed very close to this location. The system riser is usually installed inside of an exterior wall between 2 studs. It is accessed through a 14" x 14" grey access door - like an electrical panel. The riser and the access door can be installed for interior or exterior accessibility. The riser can also be installed in an interior wall. This is more common in areas subject to freezing.

STAND-ALONE AND MULTI-PURPOSE:

This question refers to the function of the system piping in the ceilings. It is not referring to the underground water line coming into the building which usually supplies both domestic and fire sprinklers.

Stand-alone is the most common type of sprinkler system. The system pipes in the ceilings supply only the fire sprinklers. The system pipes in the ceilings do not supply any domestic water fixtures. This type of system is usually CPVC piping, but can also be pex.

Multi-purpose system pipes in the ceilings supply both fire sprinkler AND domestic water fixtures. This type of system is usually pex, but CPVC is also approved for use with potable water. (There is a special tool required for installing pex fittings)

SYSTEM PIPE MATERIAL:

Indicate the pipe material to be used for the sprinkler system.

SPECIFY PEX BRAND:

If you will be using pex, I need to know the Make (brand) of pex being installed due to the different friction losses for pex fittings from different manufacturers. The most common brands are Uponor (Wirsbo), Viega and Zurn. If you will be using another brand not listed here, I may need to ask for the technical data if I cannot locate it. Please check with your local suppliers to ensure availability of the pex brand intended for design and installation.

MAKE AND MODEL #'S OF PUMP AND/OR BACKFLOW PREVENTER:

If you have a pump, I will need the make, model, psi and gpm output of the pump. I must include this information on your fire sprinkler plan. If you do not yet have a pump and you need to know the minimum requirements so you can purchase one, please write "*provide minimum requirements for purchase*." If you would like me to select a pump for you based on your design, please write, "designer's choice" and I will specify a pump that meets or exceeds your system demand – if you prefer a specific brand, please indicate.

Some jurisdictions require a backflow preventer to be installed and included with the fire sprinkler system design and installation. Please check with your jurisdiction and ask which type they require; "double check valve" or "reduce pressure assembly". If backflow is required, I will need to know the make, model, and size. If you would like me to choose, please indicate the type required and then write: "*designer's choice"*.

EXPLAIN LOCATION OF ATTIC FAU UNITS (IF ANY):

If there are any forced air units in the attic, please explain the location(s) or write "none".