

**▪CITY OF PALOS VERDES ESTATES▪  
RESIDENTIAL FIRE SPRINKLER PLAN CHECK CORRECTION LIST**

PLAN CHECK

NUMBER \_\_\_\_\_ ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_ PLAN CHECKED BY \_\_\_\_\_

\*\*\* Corrections are complete when signed & dated by the plan checker.

1<sup>st</sup> check \_\_\_\_\_

2<sup>nd</sup> check \_\_\_\_\_

3<sup>rd</sup> check \_\_\_\_\_

Plan Checker

Status

Date

**(A) GENERAL REQUIREMENTS**

**Circled Items Require Correction**

1. \_\_\_\_\_ Indicate on plan: the legal owner's name; job address and complete legal description. Lot, Block and Tract numbers; also to include vicinity map.
2. \_\_\_\_\_ Indicate on plan: the name, address and license number of the designer or responsible party. (C16 fire protection)
3. \_\_\_\_\_ Show North arrow and scale size on plan.
4. \_\_\_\_\_ Show occupancy group and construction type on plan.
5. \_\_\_\_\_ Show enclosed or fully covered trash yard near or attached to the occupied structure(s).
6. \_\_\_\_\_ Submit a legible floor plan. Identify all rooms on the plan.
7. \_\_\_\_\_ Provide: A legend on plan to show all Equipment used for design, please be clear on pipe size, head type and temperature rating.
8. \_\_\_\_\_ Provide a note on the plans: A re-inspection fee may be charged for an inspection which is not accessible, or approved plans are not on site, or job is not ready.
9. \_\_\_\_\_ Provide a note: All General Contractors, Sub-Contractors, Architects, & Engineers conducting business within the City of Palos Verdes Estates are required to maintain a current City Business License as described in the Municipal Code Ordinance No. 092-559 and Resolution No. R92-72.

10. \_\_\_\_\_ Provide a note: A separate Public Works permit will be required for any encroachment into the public right away Note: public works permits are valid for 30 days and any work in the right away or parklands without a permit is subject to three times the normal fees.
11. \_\_\_\_\_ Provide a note: Fire sprinklers are not required in Bathrooms less than 55 square feet, clothes closets, pantries, or linen closets less than 24 square feet in area, with the smallest dimension not greater than 3' and having walls and ceilings surfaces of gypsum board.
12. \_\_\_\_\_ Provide a note: Fire sprinklers are not required in attics, crawl spaces and normally unoccupied spaces, detached garages; carports with no habitable space above; open porches; unheated entry areas such as mud rooms that are adjacent to an exterior door; and similar areas.
13. \_\_\_\_\_ Provide a note: A fire sprinkler is required above fuel-fired equipment in attics and in concealed spaces.

### **(B) UNDERGROUND SITE PIPING PLAN**

1. \_\_\_\_\_ Provide: Point of connection to public water system and service point of entry dwelling.
2. \_\_\_\_\_ Show: Alternative water supply components such as well, pump, gravity or pressure tank.
3. \_\_\_\_\_ Indicate: Size and type of all pipe fitting, length of each segment and actual inside diameter used for hydraulic calculations.
4. \_\_\_\_\_ Provide: Location and arrangement of all devices such as meter and backflow.
5. \_\_\_\_\_ Show on plan: combined laterals serving fire sprinklers and domestic water, location of fire service take-off, master shut off valve, and point of added domestic flow allowance.
6. \_\_\_\_\_ Indicate: Size and location of public water main at point of connection.
7. \_\_\_\_\_ Show on plan: Flow test and pressure data used for hydraulic calculations; including location of test, elevation relative to finished floor also at service point of entry and source of information.

### **(C) BUILDING SYSTEM PIPING PLAN**

1. \_\_\_\_\_ Provide: Point of connection to service pipe.
2. \_\_\_\_\_ Provide: Number of, manufacturer, Sprinkler Identification Number (SIN), response type, temperature and K-factor of all sprinklers.

3. \_\_\_\_\_ Provide: Dimensioned location and spacing criteria for all sprinklers, also distance of sprinklers from heat sources.
4. \_\_\_\_\_ Provide: Size and type of all pipe and fittings, with length of each segment and actual inside diameter used for hydraulic calculations.
5. \_\_\_\_\_ Provide: Location and type of all hangers and means of support.
6. \_\_\_\_\_ Provide: Location and arrangement of valves and devices such as drain/test, pressure relief valve, alarm connection, appliance bypass on MP systems, etc.
7. \_\_\_\_\_ Provide: Full height cross section of building showing location of fire sprinkler heads and piping.
8. \_\_\_\_\_ Provide: Means of freeze protection, as required.
9. \_\_\_\_\_ Provide: Location of fire rated wall assemblies. Provide "Through Penetration" fire stopping details and listings.
10. \_\_\_\_\_ Provide: Location and complete detail of sprinkler standpipe and risers.
11. \_\_\_\_\_ Provide: Reference nodes matching hydraulic calculations.
12. \_\_\_\_\_ Provide: Hydraulic calculations.

**(D) PROVIDE MATERIAL DATA SHEETS FOR:**

1. \_\_\_\_\_ Fire sprinklers.
2. \_\_\_\_\_ Pipe and fittings.
3. \_\_\_\_\_ Hangers, means of support.
4. \_\_\_\_\_ Water supply components - water meter, backflow, pump, tank, other devices.

**ADDITIONAL COMMENTS**

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**NOTE:** Responding to the above does not guarantee that the plans will be approved. Responses to the above may raise further questions and require further changes of the plans.