Applicable Codes and Standards
CBC 2010, CFC 2010
NFPA 13 2010

Instructions: The following items are to be verified for completeness prior to submitting to OSHPD for plan review

Submittal Requirements
1. Two (2) Sets of Plans and Calculations
2. Two (2) Sets of Equipment Submittals (cut sheets and product information)
3. Water Supply and Pressure Data from City or District. (test data must be less than a year old)
4. Transmittal Letter with Name, Address, Phone, Fax, and License Number of Sprinkler Contractor

<table>
<thead>
<tr>
<th>CHK</th>
<th>N/A</th>
<th>I. General Information- Working Plans</th>
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<tr>
<td></td>
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<td>1. Name of Owner and Occupant</td>
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<td>2. Location, Including Street Address</td>
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<td>3. Symbol Legend, Point of Compass, Graphic Scale, Sheet Numbers</td>
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<td>4. Type of Construction and Occupancy of Each Building</td>
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<td>5. Location of Fire Rated Wall Assemblies. Provide &quot;Through Penetration&quot; Fire Stop Details and Listings</td>
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<td>6. Full Height Cross Section of Building Showing Location of Fire Sprinkler Heads and Piping</td>
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<td>7. Ceiling Heights and Slopes</td>
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<td>8. Use and Function of Each Area or Room</td>
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<td>9. Any Small Enclosures in Which No Sprinklers are to Be Installed (Include Justification).</td>
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<td>10. Make, Type, Model, SIN Number and Nominal K-Factor of Sprinklers. Indicate Existing Sprinkler Type.</td>
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<td>11. Temperature Rating and Location of High Temperature Sprinklers</td>
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<td>12. Number of Sprinklers on Each Riser Per Floor and Total Area of Space Being Protected</td>
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<td>13. Total Number of Sprinklers on Each Dry Pipe, Preaction, or Deluge System</td>
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<td>14. Nominal Pipe Size and Cutting Length of Pipe</td>
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<td>15. Location and Complete Detail of Sprinkler and Standpipe Risers</td>
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<td>16. Types of Fittings and Joints and Location of All Welds (Welding Inspection to Be Included on TIO)</td>
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<td>17. Type and Location of Hangers, Trapezes, and Braces (Provide calculations for Sway Bracing)</td>
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<td>18. All Control Valves, Check Valves, Drain Pipes, and Test Connections</td>
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<td>19. Make, Type, Model and Size of Alarm, Dry Pipe, Preaction or Deluge Valve</td>
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<td>20. Size and Location of Standpipe Risers, Hose Connections and Fire Department Connections</td>
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<td>21. Reference Plans of the Private Fire Service Main to the City Connection Including Size, Type and Location of Pipe, Valves and Backflow Prevention Devices.</td>
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<td>22. Size, Location, and Piping Arrangements for Fire Department Connections</td>
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<td>23. Type and Location of Small Hand / Hose Equipment and Fire Pumps</td>
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<td>24. The Information on the Hydraulic Data Nameplate and Hydraulic Reference Points Shown on the Plan that Correspond to the Hydraulic Calculations</td>
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<td>25. The Pressure Setting for Pressure Reducing/Regulating Valves</td>
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<td>26. Relative Elevations of Sprinklers and Hydraulic Reference Points</td>
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<td>27. Fire Authority Signatures for Appliance Locations and Water Supply</td>
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<td>28. Reference CBC Amendments to NFPA 13 in CBC Chapter 35</td>
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<td>29. Reference OSHPD Policy Intent and Code Application Notices</td>
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<td>31. NFPA 13, Chapter 22 Section 22.1.3 &amp; 22.2.1 for Additional Items Not Listed On This Checklist.</td>
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II. Hydraulic Calculation Worksheets

1. Hydraulic Calculations to Meet NFPA 13, 22.3.5 with Sheets in the Following Order: Summary, Graph, Supply Analysis, Node Analysis and Detailed Worksheets.

2. Sheet Number

3. Sprinkler Discharge, Discharge Constant (K), and Flow in GPM

4. Hydraulic Reference Points

5. Provide Hazard Classification For All Areas to be Sprinklered

6. Indicate if System is Hydraulic and Pipe Schedule mix.

7. Pipe Size, Pipe Lengths, and Center to Center of Fittings

8. Equivalent Pipe Lengths for Fittings and Devices

9. Friction Loss in psi/ft of Pipe and Appropriate "C" factor of Pipe

10. Total Friction Loss Between Reference Points

11. Elevation Head in psi at each Reference Point

12. Required pressure in psi Between Reference Points

13. Velocity Pressure and Normal Pressure if Included in Calculations

14. Diagram of Most Remote Area Showing Sprinkler Nodes Included in Calculations

15. Graph Sheet Showing Supply Curve, Demand and Hose Demand

NOTE

Compliance with all items on this list does not necessarily assure compliance with all provisions of the applicable codes and standards. This check list should be used only by persons with a comprehensive knowledge of the applicable codes and standards.

http://www.oshpd.ca.gov/FDD/Regulations/pinscans.html

OSHPD Project Review Status
http://www.oshpd.ca.gov/FDD/Project_Tracking/index.asp

OSHPD Public Use Forms
http://www.oshpd.ca.gov/FDD/Forms/index.html