LIGHT HAZARD
Occupancy Requirements - Ordinary Hazard Group 1
- Maximum Coverage Per Sprinkler Head: 130 sq. ft.
- Minimum Coverage Per Sprinkler Head: 225 sq. ft.

ORDINARY GROUP 1
Occupancy Requirements - Ordinary Hazard Group 1
- Maximum Coverage Per Sprinkler Head: 225 sq. ft.
- Minimum Coverage Per Sprinkler Head: 130 sq. ft.

Design Criteria:
1. All Piping and Equipment Shall Be Substantially Supported From The Building Structure. Hangers And Supports Shall Be Specifically Approved For Use In Sprinkler System.
2. All Hazards Sprinkler Piping Shall Be Schematically Indicated By Circles. All Sprinkler Piping Shall Be Of Schedule 40 Steel With Threaded Fittings Or Victaulic-Type Fastening Devices As Required.
3. Provide Fastening Through Foundation Walls To Be Approved For Use In Sprinkler Systems.
4. All Sprinkler Piping In Critical Areas Must Be Schedule 40 Steel With Threaded Fittings Or Victaulic-Type Fastening Devices As Required.
5. All Sprinkler Piping Shall Be Certified For Use In Sprinkler Systems.

Sprinkler Schedule:
- Existing System To Remain (Wet Sprinkler System)
- Ordinary Hazard Group 1 Occupancies (Wet Sprinkler System)
  - Maximum Coverage Per Sprinkler Head: 130 sq. ft.
  - Maximum Coverage Per Sprinkler Head: 225 sq. ft.
- Density: 0.10 GPM/Sq. Ft. Over Most Hydraulically Remote 1500 Sq. Ft.

Sprinkler Zones:
- Ordinary Hazard Group 1 Occupancies
- Light Hazard Occupancies

Sprinkler Heads:
- Tyco Model: Raven 5.6K Institutional Pendent
- Reliable Model F1 FR56: Rough Brass Finish
- Reliable Model G5-56: With White Ceiling Plates

Sprinkler Zones:
- Existing
- New

General Notes:
- All Sprinkler Piping Shall Be Certified For Use In Sprinkler Systems.
- Hangers And Supports Shall Be Specifically Approved For Use In Sprinkler Systems.
- All Sprinkler Piping In Critical Areas Must Be Schedule 40 Steel With Threaded Fittings Or Victaulic-Type Fastening Devices As Required.
- Provide Fastening Through Foundation Walls To Be Approved.
- All Sprinkler Piping Shall Be Certified For Use In Sprinkler Systems.
- Provide Drains For Trapped Valves, Etc.
1. Existing Sprinkler Heads In This Area To Remain.

SPRINKLER SCHEDULE

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Standpipe Hose Valve</td>
</tr>
<tr>
<td>2</td>
<td>New Drain Piping</td>
</tr>
<tr>
<td>3</td>
<td>Existing Sprinkler Piping</td>
</tr>
<tr>
<td>4</td>
<td>New Fire Hose Valve</td>
</tr>
<tr>
<td>5</td>
<td>New Check Valve</td>
</tr>
<tr>
<td>6</td>
<td>New Sprinkler Piping</td>
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<tr>
<td>7</td>
<td>New Floor Control Valve Assembly</td>
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</table>

PARTIAL SYMBOLS & ABBRIVATIONS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>S</td>
<td>Standard Sprinkler Head</td>
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<tr>
<td>SP</td>
<td>Special Purpose Sprinkler Head</td>
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<tr>
<td>P</td>
<td>Pendent Sprinkler Head</td>
</tr>
<tr>
<td>F</td>
<td>Flow Control Valve Assembly</td>
</tr>
<tr>
<td>HVAC</td>
<td>Fire Alarm And Sprinkler</td>
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<tr>
<td>SP</td>
<td>Sprinkler Piping</td>
</tr>
<tr>
<td>D</td>
<td>Drain</td>
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</tbody>
</table>

GENERAL NOTES

1. Contractor To Design Per FM Global Standards Unless Otherwise Indicated.
2. Coordinate Duct Smoke Detection With Mechanical Contractor.
3. Numbers And Locations Of Sprinkler Heads, Shown On These Plans, Are For Illustration Purposes Only.
5. The Contractor Shall Submit All Ongoing Shop Drawings Of All Sprinkler Heads, Ducts, Valves, And Other Equipment Shown On Drawings And Required By The Appropriate Building Codes, Including, But Not Limited To, NFPA 13, And 14. New Check Valve And Fire Sprinkler System Components, To Be Authorized By The Engineer And General Contractor And Installed By The Fire Protection Contractor.

REFERENCE SHEETS

SP-102
SP-103
SP-104
2. Existing 6" Sprinkler Service To Remain.
3. Double Check Detector Assembly (DCDA). Watts 709 DCDA, Detector Meter, (2) OS&Y Gate Valves With 1/8 Turn Handles.
5. All Sprinkler System Components To Be Approuved By The Engineer And General Contractor And Installed Per NFPA 13, And 14."

**PARTIAL SYMBOLS & ABBREVIATIONS**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>SP</td>
<td>Sprinkler</td>
</tr>
<tr>
<td>FCVA</td>
<td>Flow Control Valve Assembly</td>
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<tr>
<td>FHV</td>
<td>Fire Hose Valve</td>
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<tr>
<td>FCV</td>
<td>Fire Check Valve</td>
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<tr>
<td>FC</td>
<td>Fire Hydrant Connection</td>
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<td>DR</td>
<td>Drain</td>
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<td>FMT</td>
<td>Fire Main Tubing</td>
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<tr>
<td>DCDA</td>
<td>Double Check Detector Assembly</td>
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<td>SP-HV</td>
<td>Sprinkler Hydrant Valve</td>
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<tr>
<td>DC</td>
<td>Drain Control Valve</td>
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</tbody>
</table>

**GENERAL NOTES**

1. Contractor To Design Per FM Global Standards Unless Otherwise Indicated.
2. Coordinate Duct Smoke Detection With Mechanical Contractor. Coordinate Interlocks, Signaling And Alarm Contacts With Fire Alarm And Electrical Contractors.
3. All New Sprinkler Piping And Heads Shall Be Located Only As Indicated On Approved Shop Drawings. Numbers And Locations Of Sprinkler Heads, Shown On These Plans, Are For Illustration Purposes Only.
4. Tamper Switches.
6. Where The Project Is Located. All Positive Pressurization Systems To Be Approved By The Engineer And General Contractor And Installed Per NFPA 13, And 14."

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