

SYMBOLS:

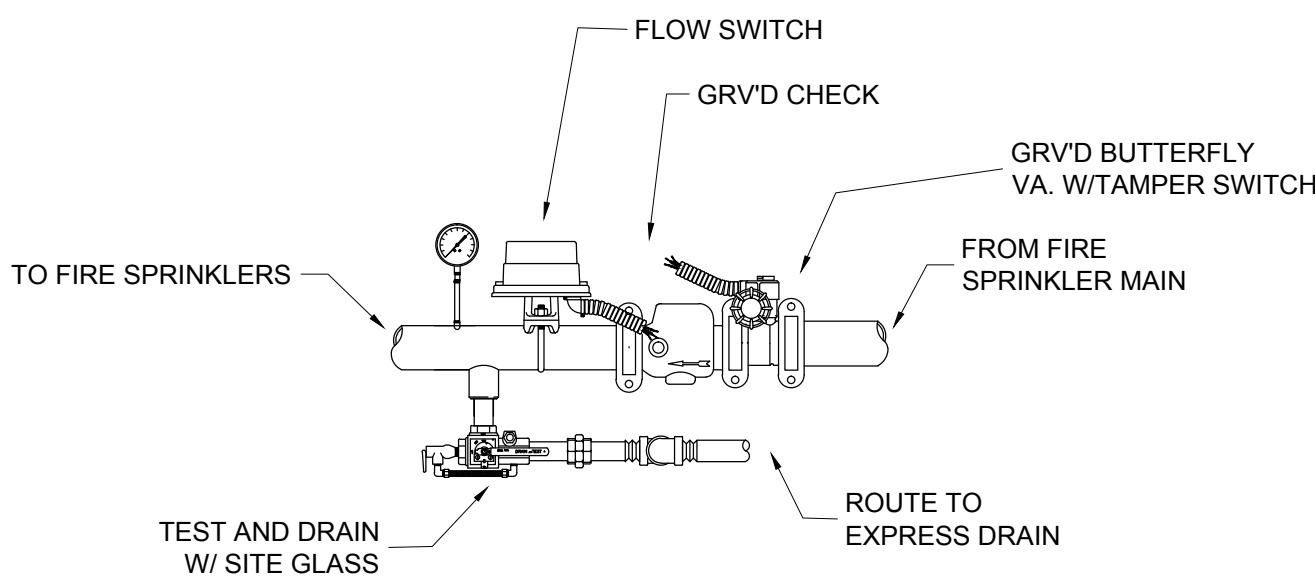
- UPRIGHT SPRINKLER HEAD
- PENDANT SPRINKLER HEAD
- ◁ SIDEWALL SPRINKLER HEAD
- SPRINKLER PIPE
- SPRINKLER PIPE DROP
- UP/DOWN RISER
- ⊗ ISOLATION VALVE
- ⊘ CHECK VALVE
- RCV ROOM CONTROL VALVE
- FCV FLOOR CONTROL VALVE ASSEMBLY

APPLICABLE CODES:

1. INTERNATIONAL BUILDING CODE, 2009 EDITION AS ADOPTED AS THE MAINE UNIFORM BUILDING AND ENERGY CODE (MUBEC)
2. NFPA 101: LIFE SAFETY CODE, 2009 EDITION
3. NFPA 1: FIRE PREVENTION CODE, 2006 EDITION
4. NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION
4. NFPA 13R: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN RESIDENTIAL OCCUPANCIES UP TO AND INCLUDING FOUR STORIES IN HEIGHT, 2010 EDITION

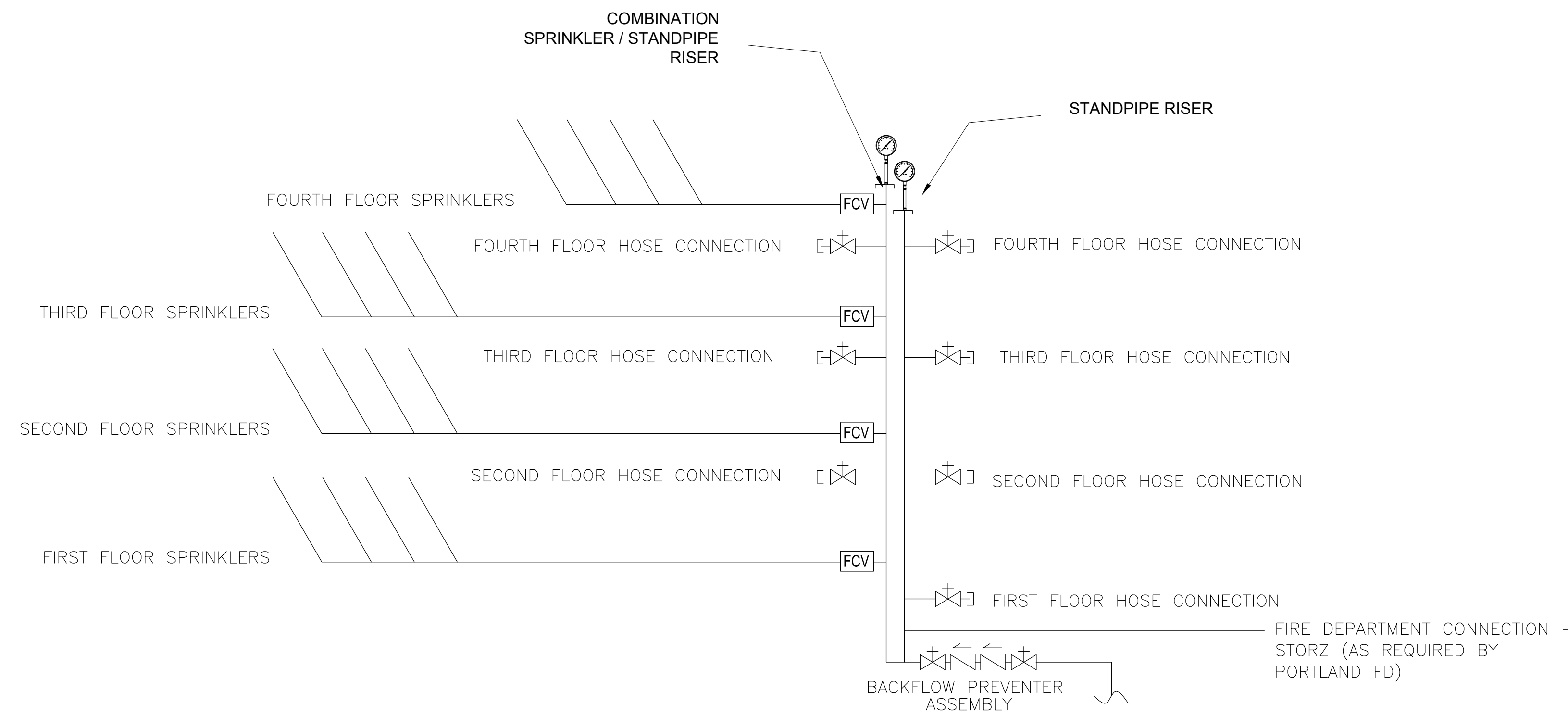
FIRE SPRINKLER NOTES:

1. ALL GENERAL NOTES, SYMBOLS LISTS & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL SPRINKLER DRAWINGS FOR THIS PROJECT.
2. SPRINKLER SYSTEM AND STANDPIPE SYSTEM SHALL BE HYDRAULICALLY DESIGNED TO PROVIDE MINIMUM FLOW RATES AT HYDRAULICALLY MOST REMOTE AREA AS REQUIRED BY APPLICABLE CODES.
3. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL, AND ARCHITECTURAL SYSTEMS.
4. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT CONDITION.
5. FIRE PROTECTION SYSTEM AS SHOWN IS DIAGRAMMATIC AND FOR REFERENCE. DRAWINGS SHOW SUGGESTED ROUTING. CONTRACTOR MAY ALTER PIPING AND SPRINKLER LOCATION AS LONG AS SYSTEM INSTALLATION CONTINUES TO COMPLY WITH ALL DESIGN REQUIREMENTS.
6. TAMPER SWITCHES ON SHUT-OFF VALVES SHALL REPORT "SUPERVISORY" SIGNAL TO FIRE ALARM PANEL.
7. INSPECTION/TEST DRAIN ASSEMBLIES SHALL BE PIPED TO GRADE. COORDINATE LOCATIONS WITH OWNERS REPRESENTATIVE. PIPING LOCATED OUTSIDE OF THE BUILDING SHALL BE GALVANIZED STEEL.
8. ALL PIPE PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PROPERLY SEALED BY THE SPRINKLER CONTRACTOR USING LISTED MATERIALS AS REQUIRED TO MAINTAIN FIRE RATING OF THE BARRIER PENETRATED.
9. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, IN ACCORDANCE WITH ALL STATE ADOPTED CODES AND LOCAL ORDINANCE, AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
10. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS IF NEEDED TO GAIN ACCESS TO SPRINKLER SYSTEM COMPONENTS THAT REQUIRE MAINTENANCE ACCORDING TO MANUFACTURERS LITERATURE.
11. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS & GUIDES AS NECESSARY TO PREVENT UNDUE STRAIN ON PIPING IN ACCORDANCE WITH NFPA 13/13R.
12. SPRINKLER CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES. SPRINKLERS ARE TO BE ADEQUATE COVERAGE FOR LIGHT HAZARD OCCUPANCY. SPRINKLER CONTRACTOR SHALL SUBMIT A COORDINATION DRAWING WITH PIPING ELEVATIONS SHOWN TO PREVENT CONSTRUCTION AND OPERATING INTERFERENCE.
13. TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD.
14. EACH ALARM SWITCH SHALL BE TESTED BY FLOWING WATER THROUGH THE INSPECTOR'S TEST CONNECTION. EACH WATER-OPERATED ALARM DEVICE SHALL BE TESTED TO VERIFY PROPER FUNCTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SET OF AS-BUILT DRAWINGS OF THE FIRE SPRINKLER SYSTEM. AS-BUILT DRAWINGS SHALL INDICATE THE LOCATION OF THE SPRINKLERS, ALL FIRE SPRINKLER PIPING AND COMPONENTS. AS-BUILT DRAWINGS SHALL BE TURNED OVER TO OWNER'S PROJECT REPRESENTATIVE.
16. BLACK STEEL PIPING 2.5 INCHES OR GREATER IN DIAMETER SHALL BE A MINIMUM OF SCHEDULE 10. BLACK STEEL PIPING 2 INCHES OR LESS IN DIAMETER SHALL BE A MINIMUM OF SCHEDULE 40.
17. PROVIDE LOW POINT DRAINS THROUGHOUT THE BUILDING, AS NECESSARY TO BE ABLE TO FULLY DRAIN ALL SUPPLY PIPING (DOES NOT INCLUDE ARM-OVERS).
18. WHERE APPLICABLE SPRINKLERS SHOULD BE LOCATED AT THE CENTER OF CEILING TILES.



FLOOR CONTROL VALVE ASSEMBLY DETAIL

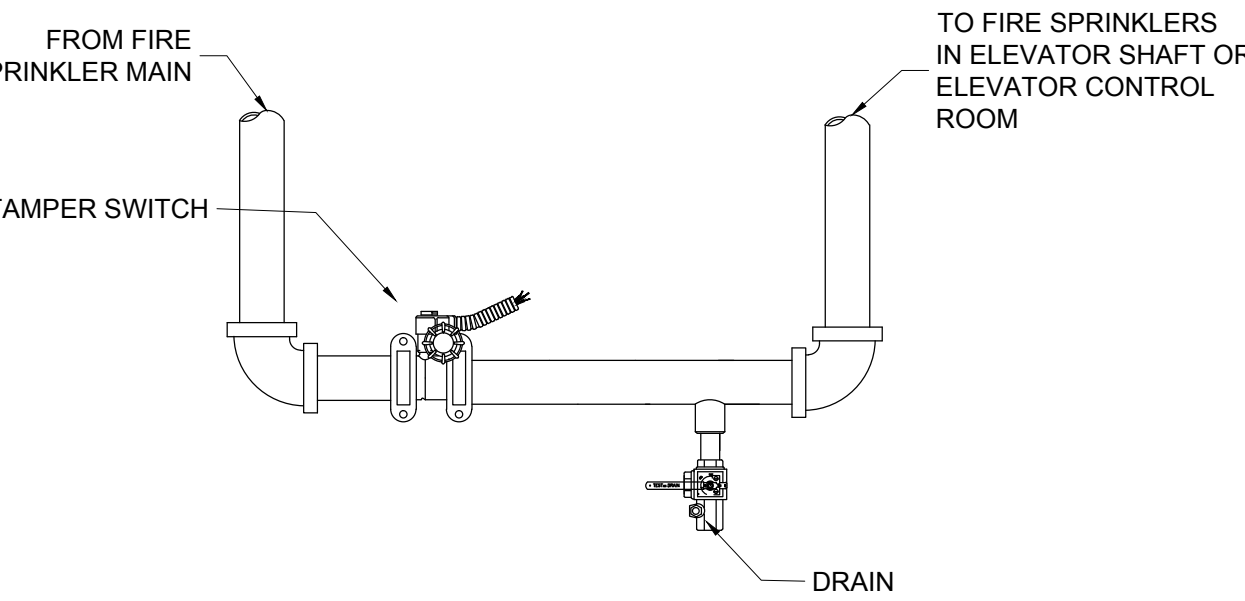
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NOTE: NO DRAIN RISER SHOWN. RISER SHALL BE ADJACENT TO NEW FLOOR CONTROL VALVE ASSEMBLY. CONNECT ALL FCVA AND DRAIN TO EXTERIOR.

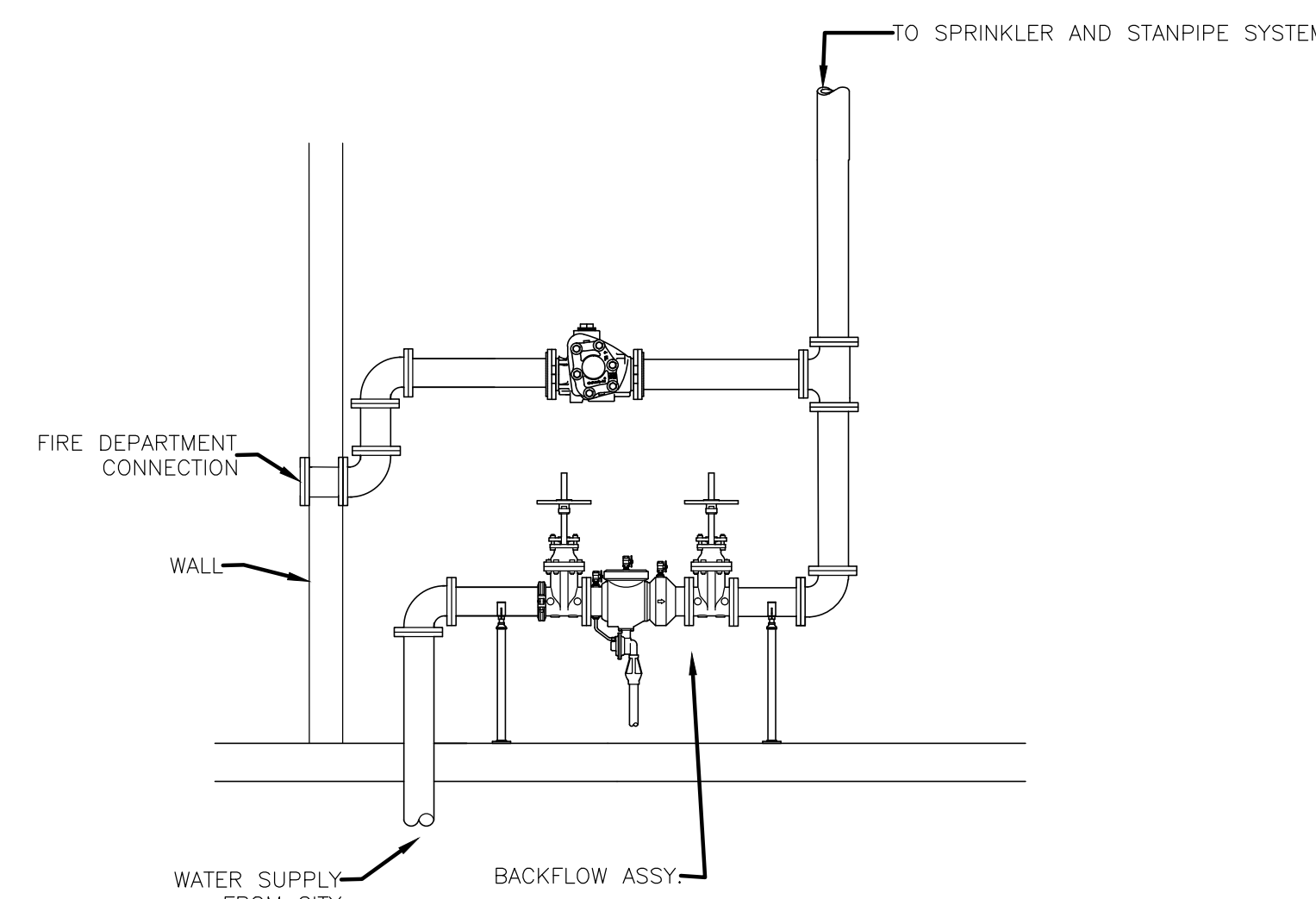
FIRE SPRINKLER RISER DIAGRAM

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ROOM CONTROL VALVE DETAIL

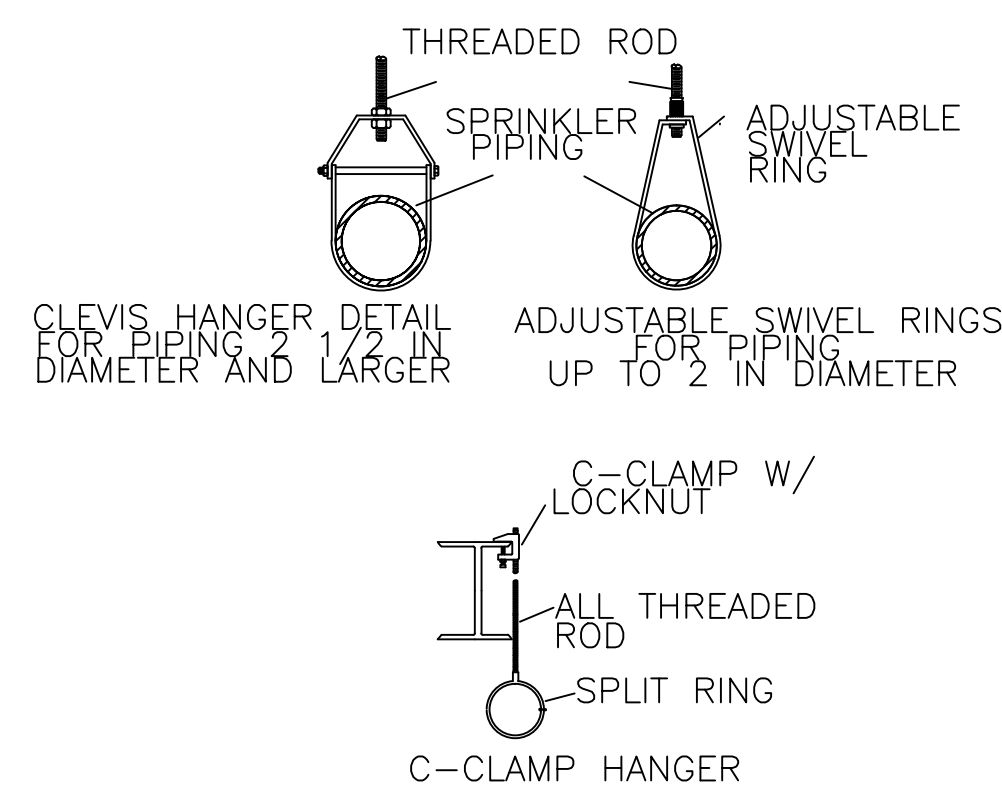
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WATER SERVICE ENTRANCE DETAIL

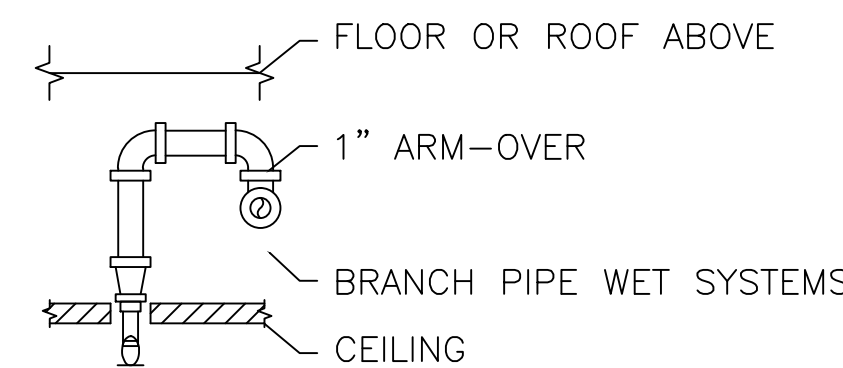
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MAXIMUM DISTANCE BETWEEN PIPE HANGERS (FEET)								
NOMINAL PIPE SIZE (in.)	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
CPVC	6-0	6-6	7-0	8-0	N/A	N/A	N/A	N/A
SCH 40 STEEL	12-0	12-0	15-0	15-0	N/A	N/A	N/A	N/A



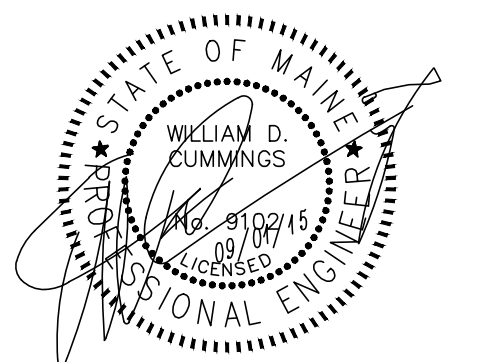
TYPICAL HANGER DETAIL

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PENDENT SPRINKLER "ARM OVER" DETAIL

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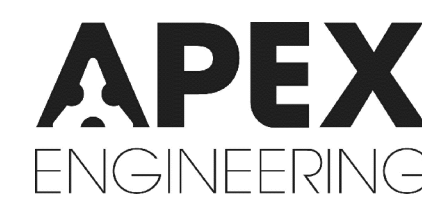
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PRICING DOCUMENTS

Project:
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Drawing: FIRE SPRINKLER - NOTES & DETAILS

Scale: 1/8" = 1'-0"

Date: 9/1/15

Drawn by: JM

Revised:

FX100