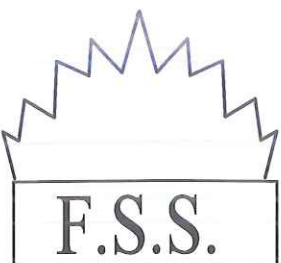


GENERAL NOTES

1. SCOPE OF WORK: PROVIDE NEW SYSTEM RISER AND UNDERGROUND SUPPLY. REPLACE EXISTING SPRINKLERS WITH QUICK RESPONSE. PROVIDE NEW SPRINKLERS AND PIPE WHERE SHOWN. PLUG EXISTING RISER OUTLET.
2. INSTALL, FLUSH AND TEST UNDERGROUND AS REQUIRED PER NFPA.
3. AUTOMATIC FIRE SPRINKLER SYSTEM HAS BEEN HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA #13, 2007 EDITION.
4. AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA#13, 2007 ED, INSTALLATION OF SPRINKLER SYSTEMS.
5. ALL PIPING EXPOSED PIPING SHALL BE DYNAFLOW 10, DYNATHREAD STEEL PIPING TYPICALLY.
6. FITTINGS SHALL BE THREADED, WELDED AND GROOVED IN ACCORDANCE WITH LISTING AND NFPA #13 REQUIREMENTS. CPVC JOINTS SHALL BE PER UL LISTINGS.
7. SEISMIC BRACING AND FLEXIBLE COUPLINGS SHALL BE PROVIDED AS REQUIRED FOR SEISMIC PROTECTION. METHOD OF BRACING MAY DEVIATE FROM DETAILS SHOWN FOR REFERENCE.
8. MASONRY PENETRATIONS SHALL BE FIELD VERIFIED AND COORDINATED. CONTRACT SHALL BE RESPONSIBLE FOR ALL CORES AS NEEDED FOR SYSTEM INSTALLATION.
9. PROVIDE CLEARANCES AND FLEXIBLE COUPLINGS AS REQUIRED FOR SEISMIC PROTECTION OF SYSTEM AND FIRE RATED GYPSUM WALLS. NO CLEARANCES REQUIRED FOR CPVC PIPING.
10. PROVIDE HANGERS AS REQUIRED PER NFPA #13, METHOD OF HANGING MAY DEVIATE FROM DETAILS SHOWN FOR REFERENCE.
11. MECHANICAL TEES SHALL NOT BE USED, UNLESS REQUIRED FOR FIELD MODIFICATION OF PIPING SYSTEM.
12. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, EQUIPMENT, STRUCTURE AND PROVIDE ADDITIONAL OFFSETS AS REQUIRED FOR INSTALLATION. SPRINKLER PIPING SHALL BE REROUTED AS REQUIRED WHERE CONFLICTS OCCUR. SPRINKLER CONTRACTOR'S PRICING SHALL INCLUDE ANY PIPING OFFSETS, OR REVISED CUT LENGTHS.
13. PIPE ROUTING, ELEVATIONS, SPRINKLER LOCATIONS, & DIMENSIONS ARE SCHEMATIC, AND SHALL BE USED AS REFERENCE ONLY. INSTALLER SHALL FIELD VERIFY CONDITIONS, AND PROVIDE OFFSETS AS REQUIRED FOR INSTALLATION. DEVIATION FROM SCHEMATIC PLAN SHALL BE APPROVED IN WRITING BY THE ENGINEER, PRIOR TO INSTALLATION.
14. PIPE CUTS ARE NOTED AT CUT LENGTH FOR THREADED FITTINGS AND CENTER TO CENTER FOR WELDED OUTLETS AND GROOVED ENDS LENGTHS.
15. SUBSTITUTION OF SPRINKLERS AND OTHER DEVICES SHALL BE OF EQUAL. SPRINKLERS, VALVES, FITTINGS, PIPE, HANGERS AND OTHER MISC. DEVICES SHALL BE UL LISTED.
16. FINAL REDLINE AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR. ELECTRONIC AS-BUILT DRAWINGS SHALL BE MODIFIED BY THE ENGINEER.
17. CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS AS NEEDED FOR TRAPPED PIPE. AS-BUILT DRAWINGS SHALL NOTE LOCATION OF ALL DRAIN VALVES.
18. PROVIDE ADDITIONAL UNIONS AS NEEDED BASE ON DIRECTION OF SYSTEM INSTALLATION.
19. BUILDING IS CONSIDERED A HEATED BUILDING. IT SHALL BE THE OWNER'S RESPONSIBILITY TO PROVIDE AND MAINTAIN A MINIMUM 40°F IN BUILDING AT ALL TIMES. TEMPERATURES LESS THAN THE MINIMUM NOTED MAY CAUSE SYSTEM FAILURE. ALL DOORS SHALL SEAL AND OPERATE PROPERLY TO ELIMINATE POTENTIAL FREEZING DUE TO EXCESSIVE INFILTRATION.
20. BUILDING OCCUPANCY CLASSIFICATION IS CONSIDERED AS FOLLOWING: ORDINARY HAZARD GROUP 1 FOR STORAGE & UTILITY. CORRIDORS AND OFFICE ARE TO BE CONSIDERED AS LIGHT HAZARD OCCUPANCY.
21. LATERAL BRACING OF MAINS NOT REQUIRED WHEN HANGERS ARE LESS THAN 6' IN LENGTH.
22. ALL STANDARD COVERAGE SPRINKLERS SHALL BE SUPPLIED WITH 1" FEEDS/DROPS TYPICALLY.
23. SPRINKLERS SHALL BE POSITIONED GREATER THAN 1 FT. FROM EDGE OF HVAC DIFFUSERS.
24. SPRINKLERS SHALL BE OFFSET FROM SURFACE MOUNTED LIGHTS AS REQUIRED PER NFPA #13 DESTRUCTION RULES.
25. NO SPECIFICATIONS ISSUED FOR PROJECT.
26. THIS SYSTEM SHALL TRANSMIT ALARM, TAMPER AND SUPERVISORY SIGNAL TO AN APPROVED REMOTE STATION. A SUPERVISORY SIGNAL WILL INDICATE WHEN CONTROL VALVES ARE MOVED TO A POSITION OTHER THAN NORMAL OPERATION. SUPERVISORY SIGNAL WILL INDICATE WHEN THE ELECTRICAL CIRCUIT IS SHORTED, FAULTED, OR DISCONNECTED.
27. THE FIRE PREVENTION BUREAU SHALL BE NOTIFIED THREE DAYS IN ADVANCE TO CONDUCT THE FOLLOWING:
 - THE HYDRO INSPECTION,
 - THE HYDRO INSPECTION,
 - FLOW AND MAIN DRAIN TEST OF THE SYSTEM, INTERCONNECTION WITH THE REMOTE STATION.

C B P E

Craig Blue, P.E. Inc.
Fire Suppression Design
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SPRINKLER PLAN