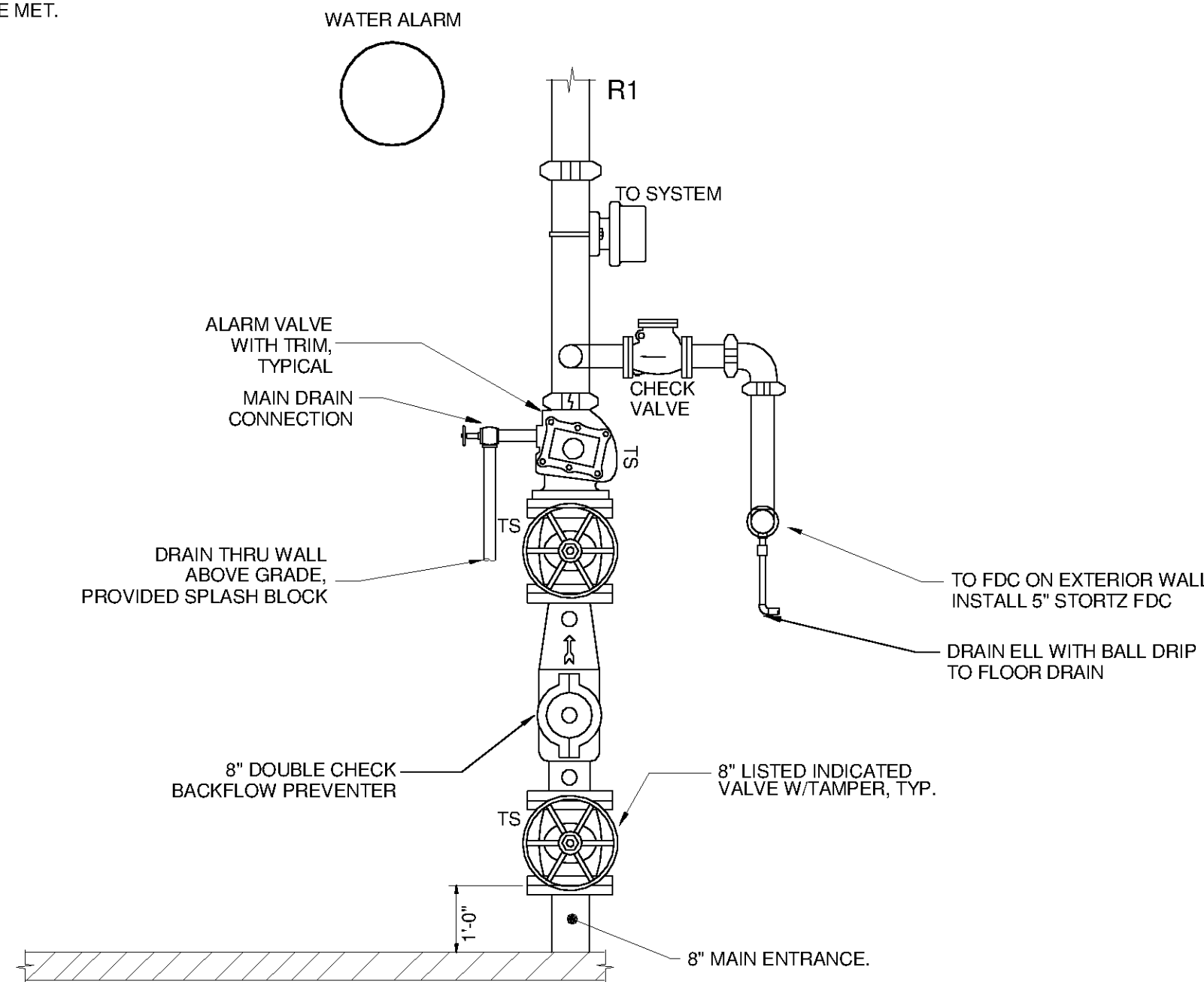


FIRE PROTECTION - AUTOMATIC SPRINKLER SCHEDULE

FIRE RISER NO.	AREA NAME	ROOM NO.	OCCUPANCY HAZARD	APPROXIMATE AREA SQ. FT.	MAX SQ. FT. PER HEAD	HYDRAULIC DATA			TYPE SYSTEM	SPRINKLER HEAD			NOTES
						DENSITY GPM/SQ. FT.	APPLICATION AREA SQ. FT.	HOSE STREAM ALLOW.		STYLE	FINISH	MINIMUM ORIFICE INCH SIZE	
R1	FIRST AND SECOND FLOORS	ALL ROOMS AS INDICATED SEE FLOOR PLAN	LIGHT	9,600	225	0.10	1,500	100	WET	UPRIGHT / PENDANT	BRASS	1/2"	1, 2, 3, 4, 5, 6
R1	FIRST AND SECOND FLOORS	ALL ROOMS AS INDICATED SEE FLOOR PLAN	LIGHT	2,200	225	0.10	1,500	100	DRY	SIDE WALL	BRASS	1/2"	1, 2, 3, 4, 5, 6
R1	FIRST AND SECOND FLOORS	ALL ROOMS AS INDICATED SEE FLOOR PLAN	ORD. GRP 1	1,400	130	0.15	1,500	250	WET	UPRIGHT	BRASS	1/2"	1, 2, 3, 4, 5, 6
R1	FIRST AND SECOND FLOORS	ALL ROOMS AS INDICATED SEE FLOOR PLAN	ORD. GRP 2	15,700	130	0.20	1,500	250	WET	UPRIGHT	BRASS	1/2"	1, 2, 3, 4, 5, 6

NOTES:

- ALL WET PIPE SYSTEMS SHALL BE LOCATED WITHIN BUILDING INSULATION ENVELOPE/HEATED AREA.
- NOTES AND THIS SCHEDULE ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA WITH THE APPROPRIATE NFPA VOLUME AND/OR UFC 3-600-01
- COORDINATE SPRINKLERS IN ELECTRICAL AND TELEPHONE ROOMS WITH ELECTRICAL CONTRACTOR FOR SHIELDING OF EQUIPMENT.
- PROVIDE UPRIGHT AND PENDENT SPRINKLERS WITH APPROVED GUARDS AS CONDITIONS REQUIRE. EXPOSED HEADS IN SHOP AND MECHANICAL AREAS SHALL REQUIRE GUARDS.
- INSPECTORS TEST STATIONS SHALL BE REMOTELY LOCATED.
- SPACES ABOVE SUSPENDED CEILINGS WITH CONSTRUCTION OF COMBUSTIBLE MATERIALS SHALL REQUIRE SPRINKLER SYSTEMS.
- CONTRACTOR TO PERFORM HYDRAULIC CALCULATIONS AND REUSE EXISTING RISER IF FLOW REQUIREMENTS ARE MET.



FIRE RISER DETAIL

SCALE: N.T.S.

FIRE PROTECTION SYMBOLS

SYMBOL	DESCRIPTION
TS	TAMPER SWITCH
---	EXISTING SPRINKLER PIPING
---	SPRINKLER PIPING
F	FIRE PROTECTION LINE
FS	FLOW SWITCH
Y FDC	FIRE DEPARTMENT CONNECTION
R1	FIRE SPRINKLER RISER 1
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY

GENERAL FIRE PROTECTION NOTES:

- PROVIDE A COMPLETE AUTOMATIC WET PIPE SYSTEM AND FIRE MAIN PER SCHEDULE AND IN ACCORDANCE WITH LATEST UFC 3-600-01, NFPA 13, AND NFPA 24 AS SHOWN ON THE DRAWINGS. THE SYSTEM SHALL INCLUDE PIPING, HANGERS, FITTINGS, ALARM VALVES, ALARM GONGS, RETARD CHAMBERS, INDICATING VALVES, SPRINKLER HEADS, INSPECTORS TEST STATION, DOUBLE CHECK DETECTOR ASSEMBLY (DCDA), ETC. AND ALL APPURTENANCES NECESSARY FOR A COMPLETE OPERABLE SYSTEM.
- SPRINKLER RISER SHALL BE PROVIDED WITH ALL COMPONENTS NECESSARY TO INTERLOCK THE AUTOMATIC SPRINKLER SYSTEM WITH THE BUILDING FIRE ALARM SYSTEM. WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR BY STATE CERTIFIED INSTALLERS AND COORDINATED BY THIS CONTRACTOR.
- THE SPRINKLER SYSTEM PIPING SHALL BE DESIGNED, SIZED & INSTALLED BY A CERTIFIED LICENSED SPRINKLER CONTRACTOR BY HYDRAULIC CALCULATIONS IN ACCORDANCE WITH NFPA AND SIGNED BY A REGISTERED FIRE PROTECTION ENGINEER. THE SPRINKLER CONTRACTOR SHALL PROVIDE TESTING, PRIOR TO DESIGN, TO VERIFY ALL WATER SUPPLY DATA MEETS OR EXCEEDS REQUIREMENTS FOR HYDRAULIC CALCULATIONS SHOWN BELOW:
 - A. STATIC PRESSURE - XX PSIG
 - B. RESIDUAL PRESSURE - XX PSIG
 - C. FLOW - XXX GPM
 - D. LOCATION/DATE: HYDRANT TEST / XXXX; XX-XX-XXXX
- REFER TO FIRE PROTECTION AUTOMATIC SPRINKLER SCHEDULE FOR OCCUPANCY HAZARDS, ETC. TOTAL DESIGN SHALL BE BASED ON THE FOLLOWING:
 - DESIGN AREA = HYDRAULICALLY MOST REMOTE AND DEMANDING (SF X GPM/SF) INDICATED IN SCHEDULE. HOSE STREAM ALLOWANCE SHALL BE PER SCHEDULE.
- ALL SPRINKLER HEADS IN AREAS WITH FINISHED CEILINGS SHALL BE AS SCHEDULED ON THIS SHEET WITH TEMPERATURE RATINGS AS CONDITIONS DICTATE. ALL SPRINKLERS SHALL BE CENTERED IN ACOUSTICAL CEILING TILES. ASSOCIATED SPRINKLER PIPING SHALL BE RUN IN FURRED SPACES, CHASES, ETC., TO COMPLETELY CONCEAL ALL PIPING.
- ALL SPRINKLER HEADS IN AREAS WITHOUT FINISHED CEILINGS SHALL BE BRASS UPRIGHT TYPE WITH TEMPERATURE RATINGS AS CONDITIONS DICTATE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN EXPOSED. PROVIDE SPRINKLER GUARDS ON ALL HEADS LESS THAN 7'-0" AFF.
- CONTRACTOR SHALL COORDINATE SPRINKLERS WITH LIGHT FIXTURES, DIFFUSERS, DUCTWORK, EQUIPMENT, PLUMBING LINES, ELECTRICAL CONDUITS, ETC. AND MAKE MINOR ADJUSTMENTS IN THE SPRINKLER LAYOUT WHERE REQUIRED OR AS DIRECTED BY THE ARCHITECT/ENGINEER AND UNDER DUCTS AND OBSTRUCTIONS OVER 4'-0" WIDE.
- PROVIDE SPARE SPRINKLERS AND CABINET PER NFPA. INDICATE LOCATION ON SHOP DRAWINGS. LOCATE ADJACENT TO SPRINKLER RISER.
- ALL PIPING SHALL BE A MINIMUM OF 6" CLEAR OF ALL AIR HANDLING EQUIPMENT AND SIMILAR EQUIPMENT. SEE HVAC DRAWINGS FOR LOCATIONS. DO NOT ROUTE PIPING ABOVE OR BELOW UNITS.
- COORDINATE WITH LOCAL AUTHORITIES FOR PROTECTION OF ELECTRICAL AND TELEPHONE ROOMS. SHIELD EQUIPMENT AS REQUIRED.

TETRA TECH



BID SET



BY	DATE	MARK	DESCRIPTION

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT
FIRE PROTECTION NOTES,
SCHEDULES, AND DETAILS

Project No.: 200-11740-10003
Designed By: JWM
Drawn By: JWM
Checked By: DSB

F-0001

Copyright: Tetra Tech
Bar Measures 1 Inch