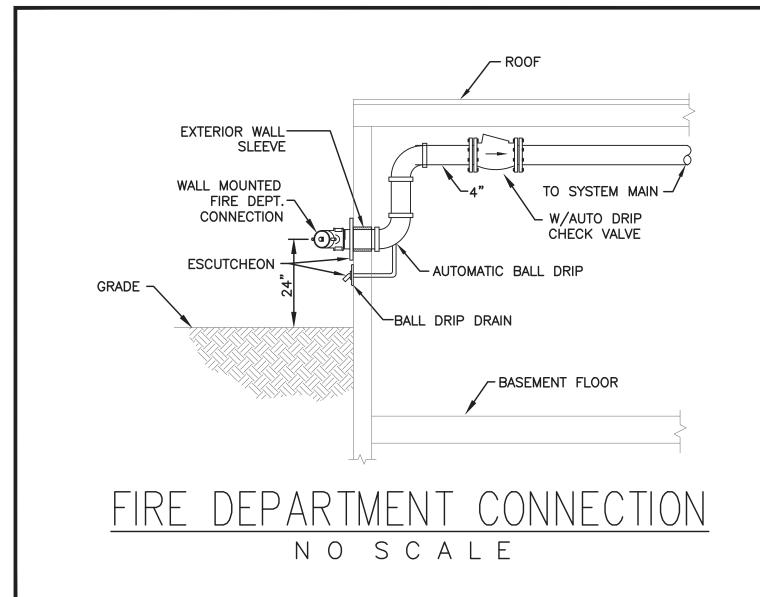
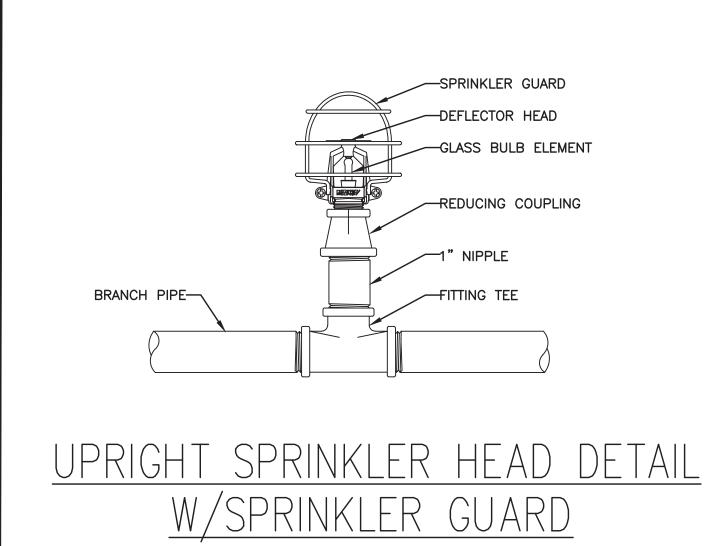
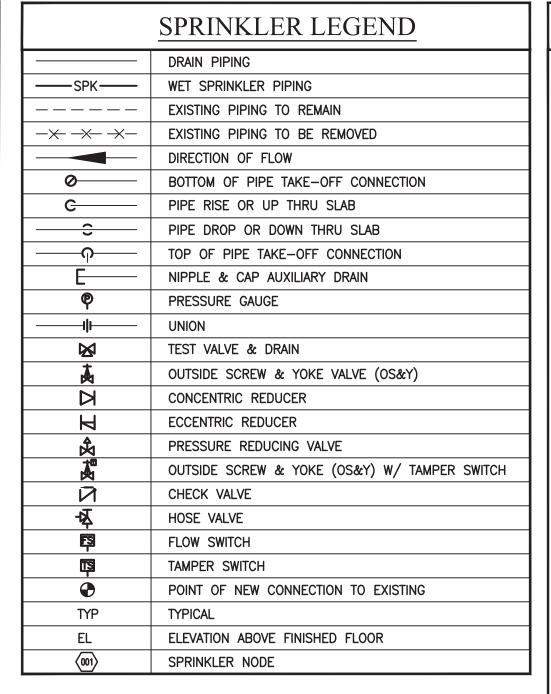


ONE INCH SUPPLY LINE FROM SPRINKLER SYSTEM—

LOCKABLE RECESSED CABINET PROVIDED BY GENERAL CONTRACTOR—







	DRAIN PIPING
SPK	WET SPRINKLER PIPING
	EXISTING PIPING TO REMAIN
<del>×-×-</del>	EXISTING PIPING TO BE REMOVED
	DIRECTION OF FLOW
Ø	BOTTOM OF PIPE TAKE-OFF CONNECTION
<u>C</u>	PIPE RISE OR UP THRU SLAB
<del></del>	PIPE DROP OR DOWN THRU SLAB
	TOP OF PIPE TAKE-OFF CONNECTION
E	NIPPLE & CAP AUXILIARY DRAIN
P	PRESSURE GAUGE
	UNION
M	TEST VALVE & DRAIN
<b></b>	OUTSIDE SCREW & YOKE VALVE (OS&Y)
N	CONCENTRIC REDUCER
$\blacksquare$	ECCENTRIC REDUCER
Â	PRESSURE REDUCING VALVE
<b>A</b>	OUTSIDE SCREW & YOKE (OS&Y) W/ TAMPER SWITCH
Ø	CHECK VALVE
궣	HOSE VALVE
F	FLOW SWITCH
ĪŜ	TAMPER SWITCH
•	POINT OF NEW CONNECTION TO EXISTING
TYP	TYPICAL
EL	ELEVATION ABOVE FINISHED FLOOR
(001)	SPRINKLER NODE

END	FIRE PROTECTION EQUIPMENT
	OS&Y GATE VALVE 2" AND LARGER: GRAY IRON BODY, THREADED ENDS; SOLID WEDGE, RISING STEM. MANUFACTURER: KENNEDY MODEL KS-FW
ONNECTION	BFP1 — DOUBLE CHECK VALVE BY WATTS MODEL#774DCDA OR EQUAL, TORSION SPRUNG CHECK VALVE, SS BODY, BRONZE METER (GPM OR CFM), UNDERWRITERS LABORATORIES APPROVED OSY SHUT—OFF VALVES, INSTALLED VERTICALLY AND PROVIDE A MINIMUM OF 24" BETWEEN EACH OS&Y VALVE TO ANY OBSTRUCTION.
LAB IECTION	FIRE DEPT. CONNECTION  UL LISTED, FM APPROVED. CASS BRASS BODY, CAST ROUND PLATE WITH DOUBLE FEMALE ADAPTER, PLUG AND CHAIN, BRANDING "AUTO SPKR", THREADS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT SIZES AND THREADS.  MANUFACTURER: CROKER MODEL #6405-PB
E (OS&Y)	CHECK VALVES SWING CHECK VALVES, 2 1/2" AND LARGER: CAST—IRON BODY, BRONZE SEAT, EPDM CLAPPER W/STAINLESS STEEL ARM AND GROOVED ENDS. MANUFACTURER: RELIABLE MODEL: REL—50GG
¢Υ) W/ TAMPER SWITCH	BALL DRIP VALVES AUTOMATIC DRAIN VALVE, 3/4", BALL CHECK DEVICE W/THREADED ENDS. MANUFACTURER: VIKING MODEL: MODEL J-1  TAMPER SWITCHES ELECTRIC SINGLE POLE, DOUBLE THROW WITH NORMALLY CLOSED CONTACTS, INCLUDE DESIGN THAT SIGNALS CONTROLLED VALVE IS IN OTHER THAN FULLY OPEN POSITION. MEA No. MANUFACTURER: SYSTEM SENSOR MODEL OSY2
	SPRINKLER GUARD

SPRINKLER GUARD
WIRE-CAGE TYPE, INCLUDING FASTENING DEVICE FOR ATTACHING TO SPRINKLER.
INSTALL PER MANUFACTURERS RECOMMENDATIONS. LOCATED AS NOTED ON DWGS. MANUFACTURER: <u>VIKING</u> MODEL: D-1

<u>FIRE BELL FB-1</u> ELECTRIC FIRE ALARM BELL 24 VOLTS MANUFACTURER: <u>POTTER ROEMER</u> MODEL: 6230

FLOW SWITCH FS-1 VANE TYPE WATERFLOW ALARM SWITCH MANUFACTURER: <u>POTTER ROEMER</u> MODEL: VSR-4

BUTTERFLY VALVE
2-1/2 AND LARGER: BRONZE, CAST-IRON, OR DUCTILE-IRON BODY; WAFER TYPE OR WITH FLANGED OR GROOVED ENDS. MANUFACTURER: VIKING MODEL: BVG-7

PIPING AND MATERIALS SCHEDULE						
PIPING SYSTEM	SIZE RANGE	PIPE MATERIALS	JOINTS	FITTINGS	INSULATION	SHUTOFF VALVES
WET PIPING	2" & SMALLER	STEEL, SCH 40, ASTM A53/A53M	THREADED	150# MALLEABLE-IRON	NA	NA
WET PIPING	2 1/2" & LARGER	STEEL, SCH 40, ASTM A53/A53M	GROOVED	VICTAULIC STYLE 77	NA	NA

NOTES:
REFER TO SPECIFICATIONS ON DRAWING FOR ADDITIONAL DETAILS

	SPRINKLER HEAD LEGEND												
SYM	DESCRIPTION	COVERAGE	METAL	TEMP	K. FACTOR	NPT	ORIF	MFG./OR EQUAL	MODEL#	CONN.	RESPONSE	COLOR	REMARKS
$\otimes$	UPRIGHT STND. COV.	NFPA 13	BRASS	155°	5.6	1"	1/2"	VIKING	VK300	THREAD	QUICK	WHITE	1,2,3
•	CONCEALED PENDANT	NFPA 13	BRONZE	155°	5.6	1"	1/2"	VIKING	VK462	THREAD	QUICK	WHITE	1,2,3
	PENDANT	NFPA 13	BRONZE	155*	5.6	1"	1/2"	VIKING	VK302	THREAD	QUICK	WHITE	1,2,3

ALL SPRINKLER HEADS MODELS OR APPROVED EQUAL

2. ALL SPRINKLER HEADS ARE QUICK RESPONSE TYPE. ALL SPRINKLER HEADS TO BE WHITE FINISH UNLESS NOTED OTHERWISE. SEE SCHEDULE FOR FURTHER INFORMATION.

SPRINKLER PIPE SIZING

BRANCH PIPE SIZING AS FOLLOWS: 1 SP. HEAD 1"
2 SP. HEAD 1"
3 SP. HEAD 1 1/4"
4 SP. HEAD 1 1/2"
5 SP. HEAD 1 1/2"
6 SP. HEAD 2" 10 SP. HEAD 2" 30 SP. HEAD 2 1/2" 60 SP. HEAD 3"

ADDENDUM 1

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

KEY PLAN SCALE N.T.S.

FULLER D'ANGELC P.C.

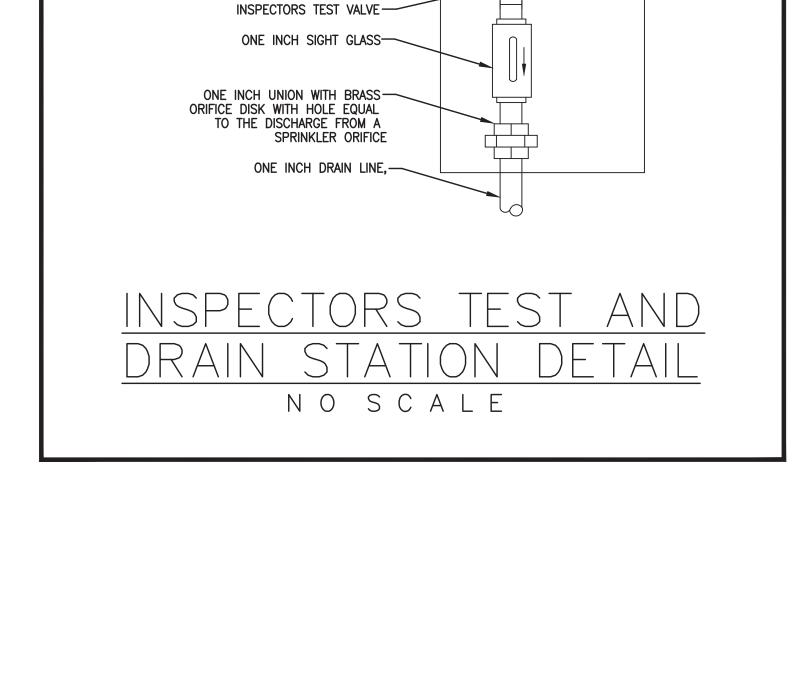
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DATE ISSUED TO ISSUED TO 30"x42" CVS AS NOTED

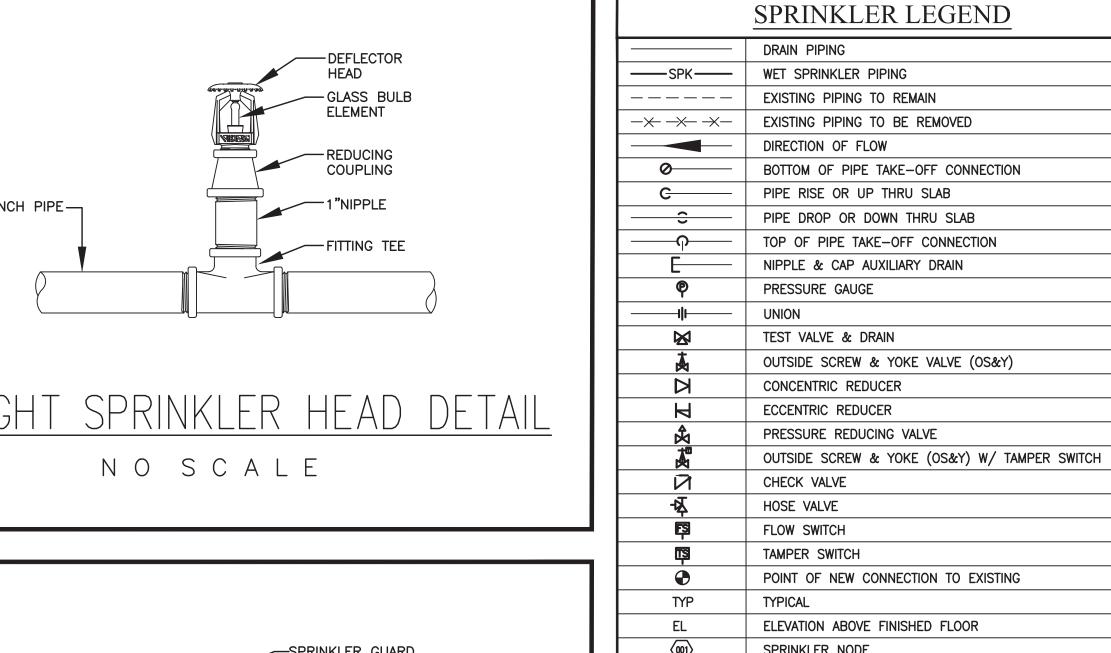
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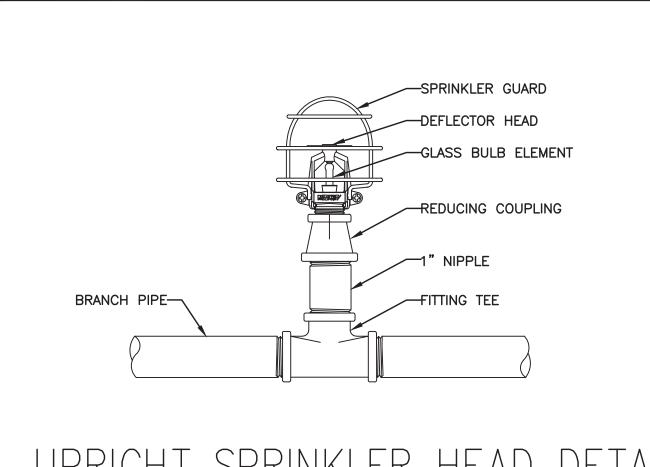
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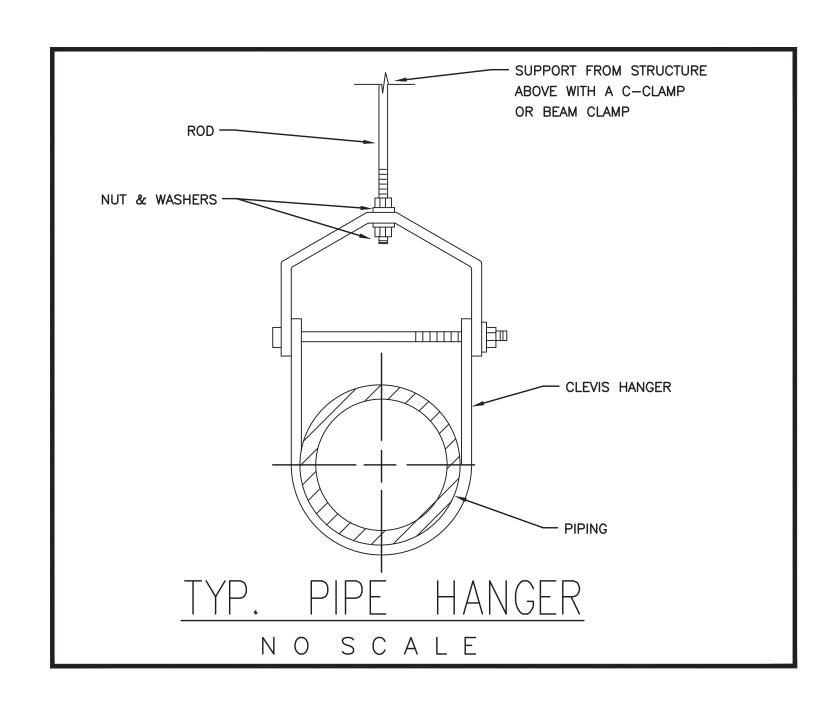
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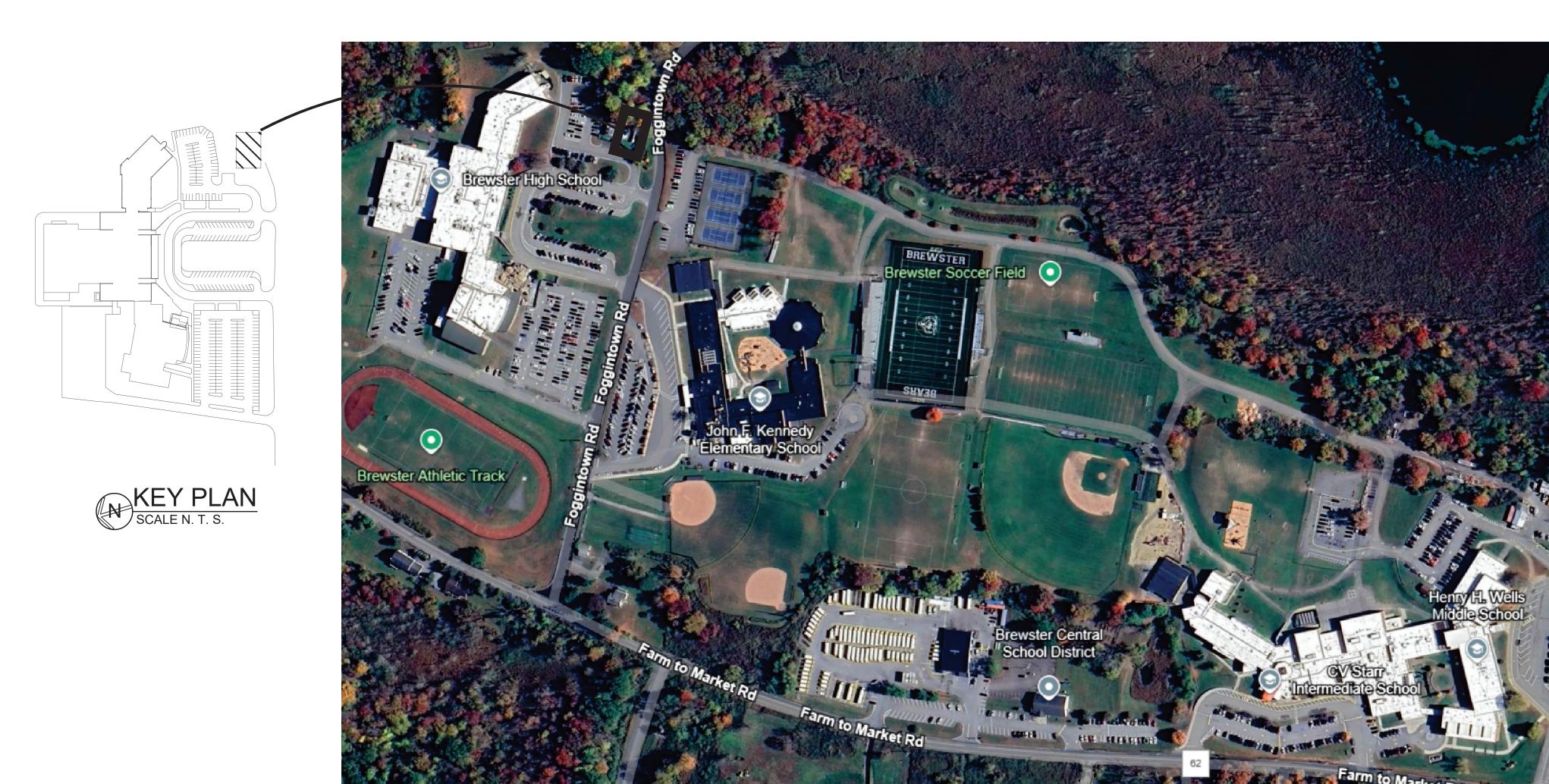




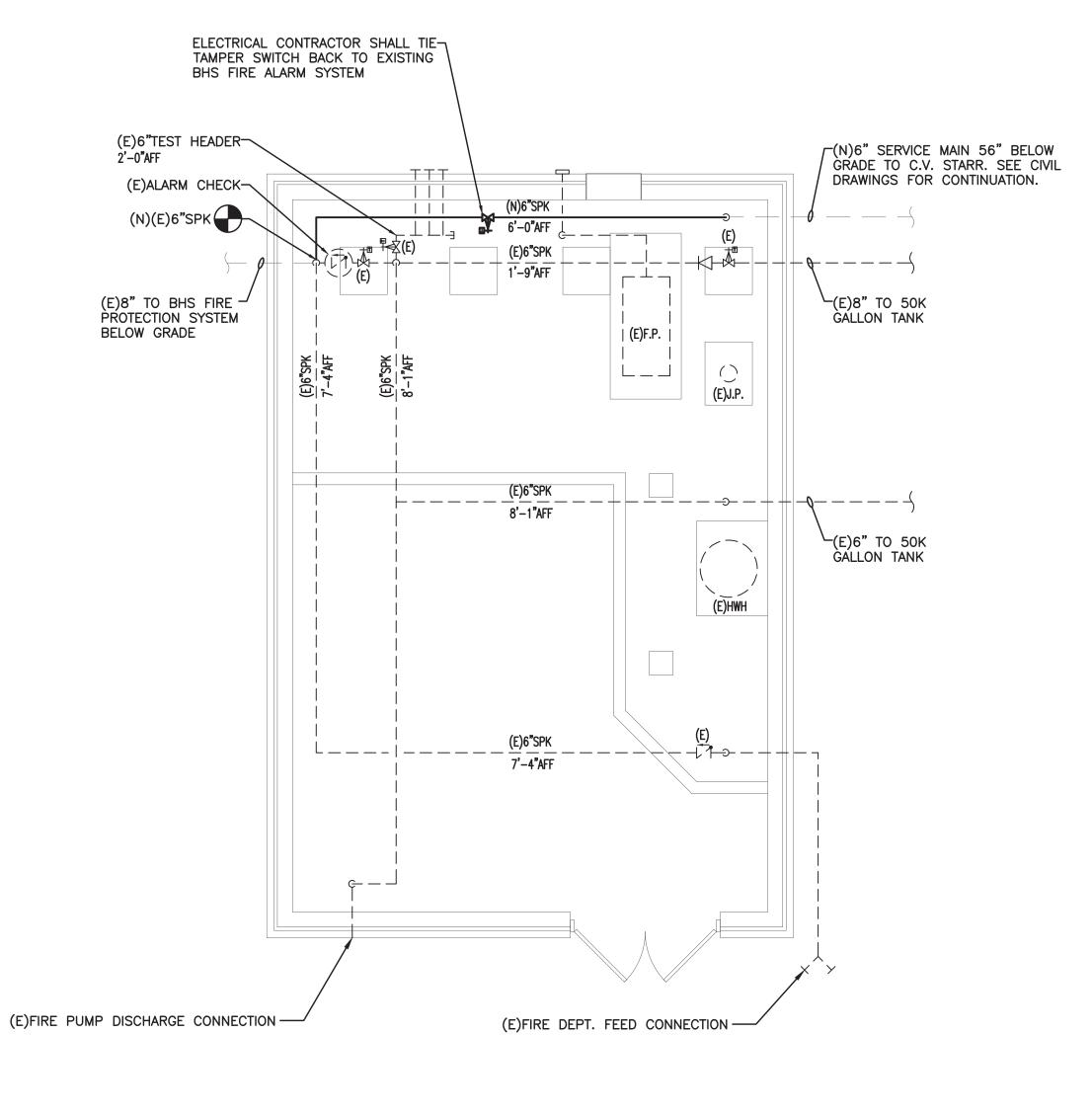


N O S C A L E





	SPRINKLER LEGEND
	DRAIN PIPING
——SPK——	WET SPRINKLER PIPING
	EXISTING PIPING TO REMAIN
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PUMPHOUSE FIRE PROTECTION PLAN

## FIRE PROTECTION NOTES

- COOPERATE AND COORDINATE WITH ALL TRADES IN EXECUTION OF THE WORK DESCRIBED IN THIS SECTION AND SO AS TO PROVIDE CLEARANCE FOR EQUIPMENT MAINTENANCE AND OPERATION AND TO ENSURE THAT WORK IS CARRIED OUT IN THE BEST INTERESTS OF ALL CONCERNED. INSTALL WORK IN PROPER SEQUENCE TO CONSERVE HEADROOM AND SPACE.
- BEFORE STARTING WORK OF THIS SECTION, VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK DONE UNDER OTHER SECTIONS OR CONTRACTS OR BY OWNER. REPORT CONDITIONS THAT MIGHT AFFECT WORK ADVERSELY IN WRITING THROUGH CONTRACTOR TO ARCHITECT. DO NOT PROCEED WITH WORK UNTIL DEFECTS HAVE BEEN CORRECTED AND CONDITIONS ARE SATISFACTORY. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
- AFTER VISIT TO SITE, CONTRACTOR SHALL STUDY BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, REFLECTED CEILING AND ELECTRICAL PLANS AND PREPARE "SPRINKLER WORKING DRAWINGS" IN CONFORMANCE WITH N.F.P.A., THE OWNER'S INSURANCE UNDERWRITER AND THE UNDERWRITER'S INTERPRETATION OF NFPA.
- . FULLY COORDINATE WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER, MAKE ALL REASONABLE CHANGES AND ADDITIONS TO LOCATION OF MATERIALS AND EQUIPMENT AND COORDINATION ISSUES, NECESSARY TO ACCOMMODATE THE STRUCTURAL AND ARCHITECTURAL CONDITIONS AND THE SYSTEMS. IT SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES AND PARTIES TO AVOID CONFLICTS. NO ADDITIONAL CHARGES WILL BE APPROVED DUE TO LACK OF COORDINATION.
- 5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING CODE AND REFERENCE STANDARD, NFPA, THE LOCAL FIRE PREVENTION DEPARTMENT, THE INSURANCE UNDERWRITER AND ALL LOCAL CODES AND ORDINANCES.
- INDICATION ON THE DRAWINGS OF EQUIPMENT, MATERIALS, OPERATION AND METHODS, REQUIRES THAT SUCH ITEMS SHALL BE OF THE QUANTITY REQUIRED, AND THE SYSTEMS COMPLETE IN EVERY RESPECT.
- INSTALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- 8. INSTALL EQUIPMENT AND MATERIALS TO PRESENT A NEAT APPEARANCE. RUN PIPING PARALLEL WITH OR PERPENDICULAR TO BUILDING PLANES.
- 9. EQUIPMENT, MATERIALS AND WORK SHALL COMPLY WITH THE REQUIREMENTS OF GENERALLY RECOGNIZED AGENCIES, AND SHALL CONFORM TO AND BE INSTALLED IN STRICT ACCORDANCE WITH FEDERAL, STATE AND CITY REQUIREMENTS AND SHALL MEET ALL OF THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- 10. THE CONTRACT DRAWINGS ARE APPROXIMATELY CORRECT TO SCALE, BUT FIGURED DIMENSIONS AND DETAILED DRAWINGS ARE TO BE FOLLOWED IN EVERY CASE, THE DRAWING SHALL BE TAKEN IN A SENSE AS DIAGRAMMATIC. GENERAL METHOD OF RUNNING PIPING IS SHOWN, BUT IT IS NOT INTENDED TO SHOW EVERY OFFSET AND FITTING NOR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED. OBTAIN ALL INFORMATION REQUIRING DIMENSIONS FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS AND FROM SITE MEASUREMENTS.
- 11. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS OF WALLS AND SLABS. THIS CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SEALING ALL SPRINKLER PENETRATIONS TO MAINTAIN THE REQUIRED FIRE RATINGS.
- 12. PRIOR TO SUBMISSION OF SHOP DRAWINGS, THE SPRINKLER CONTRACTOR SHALL THOROUGHLY CHECK EACH SHOP DRAWING TO ASCERTAIN THAT IT COMPLIES WITH THE CONTRACT REQUIREMENTS AND THAT THE DIMENSIONS OF WORK SUBMITTED FIT THE AVAILABLE SPACE. ANY DEVIATIONS FROM THE CONTRACT REQUIREMENTS SHALL BE CLEARLY NOTED ON THE SHOP DRAWINGS. THE SPRINKLER CONTRACTOR SHALL STAMP EACH SUBMITTAL WITH HIS FIRM'S NAME, DATE AND APPROVAL, THEREBY REPRESENTING THAT THE ABOVE HAS BEEN COMPLIED WITH. SHOP DRAWINGS NOT SO CHECKED AND STAMPED SHALL BE RETURNED WITHOUT BEING EXAMINED BY THE ARCHITECT. REVIEW OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE

- SPRINKLER CONTRACTOR FROM THE RESPONSIBILITY FOR DEPARTURES FROM THE CONTRACT DOCUMENTS. ERRORS IN SHOP DRAWINGS SHALL BE THE SOLE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR WHETHER THE DRAWINGS ARE REVIEWED OR NOT.
- 13. PIPING FOR THE SPRINKLER SYSTEMS IS GENERALLY NOT ALL SHOWN. SOME PIPING MAY BE INDICATED TO SUGGEST METHODS OF AVOIDING INTERFERENCES, ETC.
- 14. ONLY UL APPROVED AND NFPA LISTED EQUIPMENT SHALL BE
- 15. THE CONTRACTOR IS TO REVIEW AND VERIFY ALL FIELD CONDITIONS, MEASUREMENTS, PLANS AND STOCK LISTS, PRIOR TO ORDERING FABRICATION AND INSTALLING.
- 16. CONTRACTOR IS TO REPORT CONDITIONS REQUIRING CHANGES FROM PLANS TO THE ENGINEER PRIOR TO STARTING WORK.
- 17. HANGERS ARE TO BE IN ACCORDANCE WITH NFPA 13. EARTHQUAKE BRACING TO BE PROVIDED WHERE REQUIRED.
- 18. ALL WORK SHALL BE APPROVED BY AUTHORITIES HAVING JURISDICTION.
- 19. CONTRACTOR'S MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDER GROUND PIPE SHALL BE SUBMITTED TO THE FIRE MARSHAL PRIOR TO APPROVAL OF THE INSTALLATION.
- 20. PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA FOR SUPPORTING FIRE SERVICE MAIN PIPING. NO OTHER PIPING AND/OR DEVICES ARE TO BE ATTACHED TO THE SPRINKLER PIPE HANGER SYSTEM UNLESS THE HANGER HAS BEEN SPECIFICALLY DESIGNED FOR THE ADDITIONAL LOADING. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO
- 21. SPRINKLER SYSTEM SHALL BE TESTED AS PER NFPA.

CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.

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LICENSE EXP. DATE: 03-31-2026 S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

12-09-2024 DATE

ISSUED TO 30"x42" CVS AS NOTED FILE NO. DRAWN BY 23505.02

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FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 — Cafetorium\ACAD\Fire Protection\BHS Remote Pumphouse\BHS\_CVS PKG2\_FP-100\_RN.dwg

