FIRE PROTECTION SYMBOL LIST

BASIC

- F — FIRE STANDPIPE PIPING (STANDALONE)
- SPRINKLER PIPING
- DSP — DRY SPRINKLER PIPING
- PA — PRE-ACTION SPRINKLER PIPING
- DR — DRAIN PIPING
- PIPING BELOW SLAB
- EXISTING PIPING
- EXISTING WORK TO BE REMOVED
- HEAT TRACE / FREEZE PROTECTION CABLE & INSULATION
- SLOPED CHANGE IN PIPE ELEVATION
- BOTTOM PIPE CONNECTION
- TOP PIPE CONNECTION
- SIDE CONNECTION
- PIPE DOWN/DROP
- PIPE RISE/UP
- PIPE SLOPE
- VALVE IN VERTICAL
- UNION
- REDUCER
- WATER PROOF SLEEVE
- SLEEVE
- FE — FIRE EXTINGUISHER
  - A - WATER
  - B - DRY CHEMICAL
  - C - GASEOUS (CO2 OR HALON 1211 - SEE SPEC.)
- FE-X — FIRE EXTINGUISHER IN CABINET
- FIRE HOSE VALVE
- FIRE HOSE VALVE IN CABINET
- FIRE HOSE VALVE w/HOSE IN CABINET
- FE-X — FIRE HOSE VALVE w/FIRE EXTINGUISHER
- ROOF MANIFOLD (3-WAY)
- FLOOR CONTROL VALVE ASSEMBLY
- X — VALVE ASSEMBLY
  - AC - ALARM CHECK
  - DR - DRY PIPE
  - PA - PRE ACTION
- CONNECT TO EXISTING
- DISCONNECT FROM EXISTING
- FIRE DEPARTMENT SIAMESE CONNECTION (WALL MOUNTED)
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- TEMPERATURE AND PRESSURE RELIEF VALVE
- PLUG VALVE
- MIXING VALVE
- RELIEF VALVE
- SHUT OFF VALVE
- OUTSIDE SCREW & YOKE (OS & Y) VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE (PRV)
- SOLENOID VALVE
- FLOAT VALVE
- Y STRAINER w/BLOW-OFF VALVE
- RPDA — REDUCED PRESSURE DETECTOR ASSEMBLY
- DCDA — DOUBLE CHECK DETECTOR ASSEMBLY
- # (#) — HYDRAULIC REF. POINTS # = ELEMENT, # = NODE
- T — TAMPER SWITCH
- WATERFLOW SWITCH
- PRESSURE GAUGE w/GAUGE COCK
- X / # — RISER DESIGNATION:
  X = RISER SERVICE; # = RISER NUMBER
- EXTEND EXISTING SPRINKLER PIPING TO NEW SPRINKLER HEAD

FIRE PUMP

- RELIEF VALVE
- ANGLED RELIEF VALVE
- PUMP
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- FIRE PUMP TEST HEADER
- PUMP CONTROLLER
- ATS — AUTOMATIC TRANSFER SWITCH

SPECIAL SYSTEMS

- ASP — ANTIFREEZE SPRINKLER PIPING
- FO — FOAM PIPING
- CO2 — CARBON DIOXIDE PIPING
- H — HALON PIPING
- H — HALON PIPING (UNDER FLOOR)
- FM — FM200 PIPING
- FM — FM200 PIPING (UNDER FLOOR)
- IN — INERGEN PIPING
- IN — INERGEN PIPING (UNDER FLOOR)
- ED — EARLY DETECTION PIPING (ABOVE CEILING)
- ED — EARLY DETECTION PIPING (UNDER FLOOR)
- SAMPLING POINT
- S — DETECTOR ABOVE FLOOR
  - S - SMOKE
  - P - PHOTOELECTRIC
  - I - IONIZATION
  - H - HEAT DETECTOR
- S — BELOW FLOOR
  - S - SMOKE
  - P - PHOTOELECTRIC
  - I - IONIZATION
  - H - HEAT DETECTOR
- GRAPHIC ANNUNCIATOR PANEL
- CONTROL PANEL
- F — GONG/STROBE ASSEMBLY
- F — ALARM HORN/STROBE ASSEMBLY
- M — MANUAL PULL STATION
- X — SUPPRESSION AGENT CYLINDER
  - H - HALON
  - IN - INERGEN
  - FM - FM200
- BA — BREATHING APPARATUS

NOTES:

1. NEW BRANCH PIPE SIZING AS FOLLOWS

1 SP. HEAD	1"
2 SP. HEAD	1"
3 SP. HEAD	1-¼"
4 SP. HEAD	1-½"
5 SP. HEAD	1-½"
6 SP. HEAD	2"
↓	↓
10 SP. HEAD	↓
11 SP. HEAD	2-½"

CONSTRUCTION NOTES:

1. PROVIDE BUILDING PERSONNEL WITH (2) 8-HOUR DAYS OF TRAINING FOR PRE-ACTION OPERATING SYSTEM AND SEQUENCING.
2. PROVIDE WARRANTY FOR NEW PRE-ACTION PARTS AND EQUIPMENT.
3. ALL FIRE PROTECTION PIPING AND DEVICES ALL BE PROPERLY TESTED UPON COMPLETION OF INSTALLATION.
4. PRE-ACTION PIPING SHALL BE PRESSURE TESTED (HYDROSTATIC AND PNEUMATIC) TO ENSURE NO LEAKS PRESENT WITHIN CRITICAL AREAS.

ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BOP	BOTTOM OF PIPE
CFM	CUBIC FEET PER MINUTE
CV	CHECK VALVE
DIA	DIAMETER
DR	DRAIN
DN	DOWN (PENETRATES FLOOR SLAB)
(E)	EXISTING
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FHVC	FIRE HOSE VALVE CABINET
FD	FLOOR DRAIN
FL	FLOOR
FP	FIRE PUMP
FSP	FIRE STANDPIPE
FT	FEET
GC	GENERAL CONTRACTOR
GV	GATE VALVE
GAL	GALLONS
GPM	GALLONS PER MINUTE
HD	HEAT DETECTOR
ID	INSIDE DIAMETER
IN	INCH
JP	JOCKEY PUMP
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSE
NIC	NOT IN THIS CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PA	PRE-ACTION
PSIA	POUNDS PER SQUARE INCH (ABSOLUTE)
PSI	POUNDS PER SQUARE INCH (GAUGE)
PRV	PRESSURE REDUCING VALVE
(RE)	RELOCATED EXISTING
(RRO)	EXISTING TO BE REMOVED AND RETURN TO OWNER
SD	SMOKE DETECTOR
SPKR	SPRINKLER
TOP	TOP OF PIPE
TS	TAMPER SWITCH
UON	UNLESS OTHERWISE NOTED
UP	UP (PENETRATES FLOOR SLAB)
VB	VACUUM BREAKER
WFS	WATER FLOW SWITCH
Z	ZONE

SPRINKLER DRAWING LIST

DRAWING No.	DRAWING TITLE
SP-000.00	SPRINKLER COVER SHEET
SP-001.00	SPRINKLER NOTES
SP-100.00	SPRINKLER FIRST FLOOR PLAN - DEMOLITION
SP-101.00	SPRINKLER SECOND FLOOR PLAN - DEMOLITION
SP-102.00	SPRINKLER THIRD FLOOR PLAN - DEMOLITION
SP-200.00	SPRINKLER FIRST FLOOR PLAN
SP-201.00	SPRINKLER SECOND FLOOR PLAN
SP-202.00	SPRINKLER THIRD FLOOR PLAN
SP-300.00	SPRINKLER RISER DIAGRAM
SP-301.00	SPRINKLER RISER DIAGRAM
SP-302.00	SPRINKLER RISER DIAGRAM
SP-400.00	SPRINKLER DETAILS
SP-401.00	SPRINKLER DETAILS
SP-402.00	SPRINKLER DETAILS
SP-500.00	SPRINKLER SPECIFICATIONS
SP-501.00	SPRINKLER SPECIFICATIONS
SP-502.00	SPRINKLER SPECIFICATIONS

SPRINKLER SCHEDULE

DESIGNATION	SPRINKLER TYPE	RESPONSE TYPE	TEMPERATURE RATING	K-FACTOR	ORIFICE	MANUFACTURER	MODEL	REMARKS
○◁	EXISTING TO REMAIN	-	-	-	-	-	-	
※	EXISTING TO BE REMOVED OR RELOCATED	-	-	-	-	-	-	SPRINKLER BEING REMOVED & RELOCATED SHALL BE REPLACED WITH NEW.
●	CONCEALED PENDENT	QUICK, STANDARD	155°, 165°	5.6	½"			COVER PLATE COLOR SELECTION BY ARCH

NOTES:

1. SPRINKLER TEMP RATINGS SHALL BE IN ACCORDANCE WITH NFPA NO.13.
2. NEW SPRINKLER RESPONSE TYPE & K-FACTOR SHALL MATCH EXISTING.
3. PROVIDE GUARDS ON ALL SPRINKLERS INSTALLED 7'-0" AFF OR LOWER.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF EXISTING SYSTEMS WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER.
2. CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING CONDITIONS BEFORE STARTING ANY WORK.
3. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE REMOVING OR RELOCATING ANY EXISTING PIPING NOT INDICATED ON DRAWINGS.
4. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PIPING/SYSTEMS WHICH INTERFERE WITH THE NEW ARCHITECTURAL LAYOUTS. ALL ABANDONED PIPING/SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES/MAINS/RISERS AS REQUIRED.
5. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH EXISTING FUNCTIONING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED AS REQUIRED.
6. MAKE ANY NECESSARY TEMPORARY CONNECTIONS BETWEEN EXISTING AND NEW WORK TO MAINTAIN CONTINUOUS SERVICE OF ALL EXISTING SYSTEMS. MINIMIZE SHUTDOWNS. OBTAIN WRITTEN APPROVAL FROM OWNER FOR SHUTDOWNS. LOCAL SHUT-DOWNS REQUIRE A REQUEST TO THE OWNER A MINIMUM OF 48 HOURS PRIOR TO WORK. SHUTDOWNS OF EXISTING BUILDING SERVICES, BEYOND AREA OF WORK, REQUIRE A REQUEST TO THE OWNER A MINIMUM OF 5 BUSINESS DAYS PRIOR TO WORK. SHUTDOWNS SHALL ALSO DONE DURING NON-OCCUPIED HOURS, UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
8. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
9. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
10. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE CONTRACTOR, AS DIRECTED BY THE OWNER.

FIRE PROTECTION GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
3. ALL FIRE PROTECTION WORK SHALL BE IN ACCORDANCE WITH THE CURRENT FIRE PROTECTION CODE AND ALL APPLICABLE LOCAL CODES AND DRAWINGS.
4. PROVIDE WET-PIPE SPRINKLERS IN ALL AREAS. PROVIDE DRY-TYPE SPRINKLER SYSTEM IN ALL AREAS WHERE AMBIENT TEMPERATURE IS 40 DEG F OR BELOW. PROVIDE PRE-ACTION AND/OR GASEOUS AGENT SYSTEM TO CRITICAL AREAS.
5. SECURE WATER FLOW TEST DATA TAKEN FROM FIRE HYDRANTS NEAREST SITE. IF RECENT FLOW TEST DATA (LESS THAN ONE-YEAR OLD) IS NOT AVAILABLE FROM CITY RECORDS, MAKE NECESSARY TESTS AS REQUIRED BY NFPA STANDARDS TO DETERMINE CHARACTER OF WATER SUPPLY. MINIMUM OF 20 PSI DROP IN PRESSURE BETWEEN STATIC AND RESIDUAL PRESSURE SHALL BE REQUIRED IN ORDER TO OBTAIN ACCURATE DATA.
6. SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED FOR LIGHT, ORDINARY, AND EXTRA HAZARD OCCUPANCIES EXCEPT AS NOTED.
7. ADD 10% CONTINGENCY FACTOR TO HYDRAULIC CALCULATIONS.
8. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS WITH SUSPENDED CEILING SHALL BE AS INDICATED ON REFLECTED CEILING PLANS.
9. MINIMUM PRESSURE AT END SPRINKLER HEAD 7 PSI, OR AS REQUIRED BY SPRINKLER HEAD, WHICHEVER IS GREATER.
10. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13 AND FACTORY MUTUAL 0.5 2-8N.
    - 10.1. WHEREVER FITTINGS ARE USED IN CONJUNCTION WITH SCH.10 LIGHTWALL PIPE, EQUIVALENT FITTING LENGTHS INDICATED IN NFPA-13 SHALL BE INCREASED BY 39%.
11. MAXIMUM FLOW VELOCITY SHALL NOT EXCEED 20 F.P.S.
12. ALL AUTOMATIC SPRINKLER HEADS, PIPE FITTINGS, PIPE HANGERS, AUTOMATIC CONTROL VALVES AND MANUAL CONTROL VALVES SHALL BE UL LISTED AND BEAR FACTORY MUTUAL APPROVAL AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
13. ALL EXPOSED PIPE, FITTINGS, HANGERS AND SUPPLEMENTARY STEEL SHALL BE PAINTED.
14. ENDS OF ALL CROSS MAINS SHALL BE PROVIDED WITH THREADED FLUSHING CONNECTION NO MORE THAN 2 INCHES IN DIAMETER.
15. PROVIDE AUXILIARY DRAINS FOR ALL PIPING BELOW DUCT SPRINKLERS AND OPEN TRAPPED SECTIONS. PIPING TO ONE SINGLE SPRINKLER IS EXCLUDED.
16. PROVIDE FLUSHING CONNECTIONS WHERE REQUIRED BY NFPA AND F.M.
17. COORDINATE WITH OWNER FOR ALL SHUTDOWNS.
18. PROVIDE TEST CONNECTIONS AT HIGHEST POINT OF MAIN PORTION OF EACH SPRINKLER SYSTEM. WITH 1" PIPE AND VALVE. TEST PIPE SHALL BE CONNECTED TO SPRINKLER PIPE AT LEAST 1-1/4" IN SIZE AND SHALL DISCHARGE OUTSIDE BUILDING OR THROUGH 1/2" SMOOTH BORE BRASS OUTLET, WHERE IT CAN BE EASILY SEEN.
19. PROVIDE ADDITIONAL HEADS UNDER DUCTWORK LARGER THAN 48" WIDE.
20. THE REUSE OF EXISTING SPRINKLER HEADS SHALL BE PROHIBITED.
21. NEW SPRINKLER HEAD TYPE AND TEMPERATURE RATING SHALL BE IN ACCORDANCE WITH SCHEDULE UNLESS NOTED OTHERWISE AND/OR REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
22. COORDINATE ALL PIPE PENETRATIONS AND CORING WITH STRUCTURAL ENGINEER AND IN ACCORDANCE WITH DIVISION 01.
23. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING RELATED WORK.
24. COORDINATE ALL NEW FIRE PROTECTION WORK WITH ALL EXISTING AND/OR NEW DUCTWORK, PIPING AND UTILITIES OF ANY SYSTEMS. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE INTENT OF THE DESIGN. REROUTE ANY PIPING AROUND EXISTING AND/OR NEW SYSTEMS INCLUDING ALL REQUIRED FITTINGS AND SUPPORTS TO MAKE THE INSTALLATION OF THE PIPING AND SPRINKLER HEADS POSSIBLE. RESEAL ANY FIRE AND/OR SMOKE RATED PENETRATIONS THAT HAVE BEEN AFFECTED AS A RESULT OF THE MODIFICATION.
25. ALL COMPONENTS USED IN FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH THE OWNER'S GUIDELINES, STANDARDS AND SPECIFICATIONS.
26. WATER SUPPLY INFORMATION TO BE VERIFIED BY FLOW TEST.

A.

STATIC PRESSURE:	-___ PSI
RESIDUAL PRESSURE:	-___ PSI
RESIDUAL FLOW:	-___GPM
ELEVATION:	-___ FT

B. A FIRE BOOSTER PUMP IS INSTALLED IN THE BUILDING. THE FIRE PUMP IS RATED AT ____ GPM AND __ PSI HEAD.

SPRINKLER DESIGN CRITERIA

THE ENTIRE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED TO MEET THE FOLLOWING CRITERIA:

1. LIGHT HAZARD OCCUPANCY - INCLUDING BUT NOT LIMITED TO OFFICE SPACES, PATIENT CARE SPACES, NURSING HOMES, CONFERENCE ROOMS, RESIDENTIAL SPACES: DENSITY 0.10 GPM PER SQ. FT. OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. AREA, MAXIMUM COVERAGE PER SPRINKLER 225 SQ. FT., 100 GPM HOSE ALLOWANCE. (REMOVE HOSE STREAM ALLOWANCE FOR NYC PROJECTS UNLESS REQUIRED BY INSURANCE CO., CHECK AS NECESSARY)
2. ORDINARY HAZARD OCCUPANCY (GROUP 1) - INCLUDING BUT NOT LIMITED TO STORAGE (NOT INCLUDING HIGH PILED, COMMODITY STORAGE, ETC.), MECHANICAL ROOMS, AUTOMOBILE PARKING, LAUNDROMATS, RESTAURANT SERVICE AREAS, AUDITORIUMS, THEATERS (FOR NYC ONLY): DENSITY 0.15 GPM PER SQ. FT. OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. AREA, MAXIMUM COVERAGE PER SPRINKLER 130 SQ. FT., 250 GPM HOSE ALLOWANCE. (REMOVE HOSE STREAM ALLOWANCE FOR NYC PROJECTS UNLESS HOSE STREAM ALLOWANCE REQUIRED BY INSURANCE CO., CHECK AS NECESSARY)
3. ORDINARY HAZARD OCCUPANCY (GROUP 2) - INCLUDING BUT NOT LIMITED TO RETAIL, CHEMICAL PLANTS, DRY CLEANERS, EXTERIOR LOADING DOCKS: DENSITY 0.20 GPM PER SQ. FT. OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. AREA, MAXIMUM COVERAGE PER SPRINKLER 130 SQ. FT., 250 GPM HOSE ALLOWANCE. (REMOVE HOSE STREAM ALLOWANCE FOR NYC PROJECTS UNLESS HOSE STREAM ALLOWANCE REQUIRED BY INSURANCE CO., CHECK AS NECESSARY)
4. CLOSELY SPACED SPRINKLERS LOCATED 6'-0" ON CENTER. AND LOT LINE SPRINKLERS SHALL DISCHARGE MINIMUM 3 GPM PER LINEAR FOOT OF WATER CURTAIN, WITH NO SPRINKLERS DISCHARGING LESS THAN 15 GPM.
5. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13.
6. DISCHARGE FROM EACH SPRINKLER SHALL NOT BE LESS THAN REQUIRED FOR AREA COVERED BY THIS SPRINKLER. AREA COVERAGE PER SPRINKLER SHALL BE DETERMINED IN ACCORDANCE WITH NFPA STANDARD NO. 13.
7. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO SPRINKLER FLOOR CONTROL VALVE ASSEMBLY/WATER SUPPLY.
8. THE WATER SUPPLY SERVING THE SPRINKLER SYSTEM SHALL BE CAPABLE OF SUPPLYING THE MOST HYDRAULICALLY DEMANDING AREA FOR THE DURATION REQUIRED BY NFPA NO. 13.
9. THE HYDRAULICALLY REMOTE AREA FOR DRY AND PRE-ACTION SPRINKLER SYSTEM CALCULATIONS SHALL BE INCREASED BY 30% WITHOUT REVISING THE DENSITY.

NEW YORK CITY BUILDING DEPARTMENT SPRINKLER NOTES

2014 - NYC BUILDING CODE

1. THE SPRINKLER SYSTEM SHALL BE IN FULL COMPLIANCE WITH THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE SECTION BC905 AND APPENDIX Q, NFPA 13-2007 AS MODIFIED BY APPENDIX Q OF THE NEW YORK CITY BUILDING CODE AND THE NEW YORK CITY FIRE CODE.
2. THE INSTALLATION COMPONENTS, SIZING, SPACING, CLEARANCES, POSITION AND TYPES OF SYSTEMS SHALL CONFORM TO BC 903.3, AND APPENDIX Q, SECTION BC Q102.
3. ONLY APPROVED MATERIALS SHALL BE USED AS PER CHAPTER 6, SECTION BC 903.3 AND APPENDIX Q, SECTION BC Q102.
4. DIRECT CONNECTION OF SPRINKLERS TO THE PUBLIC WATER SYSTEM SHALL CONFORM TO APPENDIX Q, SECTION BC Q102, CHAPTER 23.
5. SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 8, 10.5 AND 12.4.2.
6. INSPECTIONS AND TEST OF SPRINKLERS SHALL BE CONDUCTED AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 24.
7. THE OCCUPANCY OF THE AREAS TO BE SPRINKLERED IN ACCORDANCE WITH SECTION BC 903 AND APPENDIX Q, SECTION BC Q102, CHAPTER 5.
8. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 23.
9. PIPING, FITTINGS, SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION DAMAGE, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 6.
10. STOCK OF EXTRA SPRINKLERS SHALL BE FURNISHED AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 6.2.9.
11. SPRINKLER ALARM SHALL BE IN ACCORDANCE WITH APPENDIX Q, SECTION BC Q102, CHAPTERS 6.9 AND 8.17.
12. SPACING, LOCATION AND POSITION OF SPRINKLERS SHALL BE AS PER APPENDIX Q, CHAPTER 8.
13. ALL CONCEALED SPACES EXCEEDING 6" IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL SHALL BE SPRINKLERED IN ACCORDANCE WITH APPENDIX Q, SECTION BC Q102, CHAPTER 8.15.1.
14. ALL PIPING PASSING THROUGH WALLS SHALL COMPLY WITH SECTION BC-713.
15. THERE IS NO HIGH PILED STORAGE AS DEFINED IN APPENDIX Q, SECTION BC Q102, CHAPTER 3.9.1.13.
16. DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE AS PER TABLE 8.3.2.5(a) IN APPENDIX Q, SECTION BC Q102, CHAPTER 8.
17. AS PER SECTION APPENDIX Q, SECTION BC Q102, CHAPTER 23 PROVIDE DEPT. OF WATER SUPPLY LETTER WITH FLOW TEST DATA IF THERE IS A DIRECT CONNECTION TO THE STREET WATER SUPPLY.
18. ALL PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROTECTED AS PROVIDED BY CHAPTER 3, SECTION PC 305.5 OF THE NEW YORK CITY PLUMBING CODE.
19. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY APPENDIX Q, SECTION BC Q102, CHAPTER 6.7.4.
20. DRAINAGE SHALL CONFORM TO APPENDIX Q, SECTION BC Q102, CHAPTER 8.16.2.
21. HYDRAULICALLY DESIGNED SPRINKLER SYSTEMS SHALL BE IN ACCORDANCE WITH APPENDIX Q, SECTION BC Q102, CHAPTER 22.
22. A ONE PIECE REDUCING FITTING SHALL BE USED WHEREVER A CHANGE IN THE SIZE OF PIPE, AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 6.4.6.
23. ALL VALVES ON CONNECTIONS TO WATER SUPPLY TO SPRINKLERS SHALL BE APPROVED AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 6.7.
24. HANGERS SHALL BE OF A TYPE APPROVED AS PER SECTION BC Q102, CHAPTER 9.
25. PROVISIONS SHALL BE MADE TO FACILITATE FLUSHING SYSTEM PIPING AS PER SECTION BC Q102, CHAPTER 8.16.3.
26. SPRINKLERS SHALL BE APPROVED TYPE AS PER APPENDIX Q, SECTION BC Q102, SECTION 6.2.
27. TEMPERATURE RATING SHALL COMPLY WITH APPENDIX Q, SECTION BC Q102, CHAPTER 6.2.5.
28. 18" MINIMUM CLEARANCE TO BELOW SPRINKLER DEFLECTOR AS PER SECTION BC Q102, CHAPTER 8.5.5.3.
29. DRY SYSTEMS SHALL BE IN ACCORDANCE WITH APPENDIX Q, SECTION BC Q102, CHAPTER 7.2.
30. CONCEALED PIPING SHALL BE INSPECTED PRIOR TO BEING COVERED AS PER BC 901.5 AND THE NYC FIRE CODE, FC106.
31. ALL NEW SPRINKLER BRANCH PIPING SHALL BE A MINIMUM OF 1 INCH AS PER APPENDIX Q, SECTION BC Q102, CHAPTER 8.

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No.	Description	Date
1	ISSUED FOR BID	11/03/23

SPRING VALLEY VILLAGE

SPRING VALLEY POLICE LOCKER UPGRADES

DRAWING TITLE
SPRINKLER COVER SHEET

DRAWING NO.
SP-000.00

SEAL & SIGNATURE

ISSUE DATE:	9-27-23
SCALE:	NTS
DWG BY:	DWN
CHK BY:	CHECK

JOB NUMBER
23025-00