1 GENERAL SPRINKLER NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT RULES AND REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES.

2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED INSURANCE CERTIFICATES WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY THE GOVERNING NEW YORK CITY AGENCIES.

3. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT REQUIRED FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.

4. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE STIPULATIONS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT OR BOARD OF DIRECTORS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.

6. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, ETC.

7. PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.

8. ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.

9. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, PREPARING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.

10. THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SYSTEM.

5 SPRINKLER SYMBOLS AND NOTES

NOT TO SCALE

SPRINKLER SYMBOL LIST	
– – – – – –	EXISTING PIPING TO REMAIN
-X-X-X-X-X-X-	EXISTING PIPING TO BE REMOVED
—— SP ——	NEW SPRINKLER PIPING
	OS & Y VALVE W/ TAMPER SWITCH
	WATER FLOW SWITCH
	CAPPED OUTLET
	GATE VALVE
	CHECK VALVE
	UPRIGHT SPRINKLER HEAD
	PENDENT CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
(RL)	RELOCATED SPRINKLER HEAD
WFS	WATER FLOW SWITCH
TS	TAMPER SWITCH
T7	NODE USED FOR HYDRAULIC CALCULATIONS
SPK	SPRINKLER
DR	DRAIN
FCV	FLOOR CONTROL VALVE
(HT)	HIGH TEMP HEADS

2 2022 CODE-BUILDING DEPARTMENT SPRINKLER NOTES

1. THE INSTALLATION COMPONENTS, SIZING, SPACING, LOCATION, CLEARANCES, POSITION AND TYPE OF SYSTEMS SHALL CONFORM TO NFPA-13D-2007 FOR ONE AND TWO FAMILY DWELLINGS AND TOWNHOUSES AND AS MODIFIED FOR THE NEW CITY BUILDING CODE (BC) BY IT'S APPENDIX Q.

2. ONLY APPROVED MATERIALS SHALL BE USED AS PER NFPA 13-2007 CHAPTER 6.

3. DIRECT CONNECTION OF SPRINKLERS TO THE PUBLIC WATER SYSTEM SHALL CONFORM TO BC 903.3.5.

4. SPRINKLER SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA 13-2007-8.16.4.1.

5. INSPECTION AND TESTS OF SPRINKLERS SHALL BE CONDUCTED AS SEC. BC 901.5.

6. THE OCCUPANCY OF THE AREA TO BE SPRINKLED SHALL BE IN ACCORDANCE WITH SECTION NFPA 13-2007 SECTION 5.1.

7. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED PER SECTION NFPA 13-2007 8.16.1 AND 8.16.4.

8. PIPING, FITTINGS, SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE, VALVES, HANGERS, SPRINKLER GUARDS AND SHIELDS SHALL BE AS PER NFPA 13-2007 CHAPTERS 6 AND 9.

9. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER SECTION NFPA 13-2007.

10. SPRINKLER ALARM SHALL BE IN ACCORDANCE WITH SECTION NFPA 13-2007.

11. SPACING, LOCATION, AND POSITION OF SPRINKLER WILL BE AS PER NFPA 13-2007, 8.5

12. ALL BLIND SPACES EXCEEDING 6" IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL WILL BE SPRINKLERED.

13. ALL PIPE PASSING THROUGH WALLS WILL COMPLY WITH SECTION BC713.

14. THERE IS NO HIGH PILED STORAGE AS DEFINED IN SECTION 3.9.1.13 OF NFPA 13-2007.

15. DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE IN AS PER TABLE NFPA 13-2007 8.3.2.5 (a).

16. AS PER SECTION BC903.1.2, PROVIDE DEPARTMENT OF WATER SUPPLY LETTER WITH FLOW TEST DATE IF THERE IS A DIRECT CONNECTION TO THE STREET WATER SUPPLY.

17. ALL PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROTECTED AS PROVIDED BY SECTION 305.5 OF THE PLUMBING CODE.

18. THIS APPLICATION IS NOT FILED AS A RESULT OF ACTION BY THE FIRE COMMISSIONER AS AUTHORIZED BY BS & A TO MODIFY THE CERTIFICATE OF OCCUPANCY NOR IS SUCH ACTION PENDING.

19. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13-2007 SECTION8.16.1.1.8.

20. DRAINAGE SHALL CONFORM TO NFPA 13-2007 SECTION 8.16.2

21. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE, AS PER NFPA 13-2007 SECTION 6.4.6.

22. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES TO SPRINKLER SHALL BE APPROVED O.S. & Y. OR APPROVED INDICATOR TYPE.

23. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER NFPA 13-2007 SECTION 6.7.

24. HANGERS SHOULD BE SUPPORTED BY WROUGHT IRON U TYPE OR APPROVED ADJUSTABLE HANGERS. HANGERS SHALL BE OF THE TYPE FOR USE WITH THE PIPE OR TUBE INVOLVED, AS PER CHAPTER 9, OF NFPA 13-2007.

25. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CLAMPED NIPPLE 4" LONG ON END OF A CROSS MAIN AS PER SECTION 8.14.16 OF NFPA 13-2007.

26. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 8.3 NFPA 13-2007.

27. TEMPERATURE RATING SHALL COMPLY WITH SECTION 8.3.2 NFPA 13-2007.

28. 18" MINIMUM CLEARANCE TO BELOW SPRINKLER DEFLECTOR AS PER SECTION 8.5.6 OF NFPA 13-2007.

29. SPACING AND LOCATION OF SPRINKLERS SHALL WITH CHAPTER 8 NFPA 13-2007.

30. SPRINKLER SYSTEM COMPLIES WITH NFPA 13-2007 AS MODIFIED BY APPENDIX Q, SECTION BC Q102.

31. SOURCES OF WATER SUPPLY FOR SPRINKLER SYSTEMS AS PER CHAPTER 23 OF NFPA 13-2007.

32. PIPE SCHEDULE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 11.2 OF NFPA 13-2007.

33. AUTOMATIC INTERLOC CUTOFF SWITCH FOR VENTILATION WILL CONFORM TO CHAPTER 6 OF THE MECHANICAL CODE (APPLICABLE ONLY IF THERE IS AN AIR SYSTEM UTILIZING RECIRCULATED AIR AND REQUIRING A THERMOSTATIC DEVICE).

34. HYDRAULICALLY DESIGNED SYSTEMS SHALL BE IN ACCORDANCE WITH CHAPTER 22 OF NFPA 13-2007.

35. MINIMUM BRANCH PIPE SIZE TO BE ONE INCH (1").

36. THIS APPLICATION IS MADE ONLY FOR WORK INDICATED ON THE SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

3 SCOPE OF WORK

NOT TO SCALE

1. OCCUPANCY: RENOVATION OF AN EX. R-3, 1 AND 2 FAMILY RESIDENTIAL TOWNHOUSE DWELLING. NO CHANGE IN USE, OCCUPANCY OR MEANS OF EGRESS.

2. SCOPE OF WORK:
1) REMOVE EXIST. FIRE SERVICE AND ALL RELATED PIPING
2) PROVIDE NEW SPRINKLER FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE PROPOSED ARCHITECTURAL MODIFICATIONS IN COMPLIANCE WITH WITH NFPA 13D, AS MODIFIED IN BC Q103 AND ALL APPLICABLE CITY DOB AND FDNY REGULATIONS AS FOLLOWS:

3. DESIGN CRITERIA: NFPA 13D

4. PRIMARY WATER SYSTEM:
NEW 2" COMBINED DOMESTIC WATER SERVICE WITH FIRE PROTECTION TAKE-OFF FED FROM EXISTING 8" NYC STREET WATER MAIN.

5. SPRINKLER HEADS

NEW	
CELLAR:	11
BASEMENT:	10
1ST FLR:	12
2ND FLR:	11
3RD FLR:	10
PENTHOUSE:	3
TOTAL	57

6 LANDMARK EXEMPTION NOTE

NOT TO SCALE

NYCECC EXEMPTION STATEMENT:

THE COMMISSION NOTES, FOR PURPOSES OF THE NEW YORK CITY ENERGY CONSERVATION CODE, NYCECC- 2020, SEC. 101.7, THE PROPERTY IS A CONTRIBUTING BUILDING IN A LANDMARK DISTRICT, WHICH HAS BEEN DETERMINED TO BE ELIGIBLE FOR LISTING, ON THE STATE AND/OR NATIONAL REGISTERS(S) OF HISTORIC PLACES.

SECTION ECC R202- DEFINITIONS

THE TERM HISTORIC MEANS AN EXISTING BUILDING OR STRUCTURE THAT;

(1) IS LISTED IN THE NEW YORK STATE REGISTER OF HISTORIC PLACES, EITHER INDIVIDUALLY OR AS A CONTRIBUTING BUILDING TO A HISTORIC DISTRICT, OR
(2) IS LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES, EITHER INDIVIDUALLY OR AS A CONTRIBUTING BUILDING TO A HISTORIC DISTRICT, OR
(3) HAS BEEN DETERMINED TO BE ELIGIBLE FOR LISTING IN EITHER THE NEW YORK STATE OR NATIONAL REGISTER OF HISTORIC PLACES, EITHER INDIVIDUALLY OR AS A CONTRIBUTING BUILDING TO A HISTORIC DISTRICT, BY THE NEW YORK STATE COMMISSIONER OF PARKS, RECREATION AND HISTORIC PRESERVATION, OR
(4) HAS BEEN DETERMINED TO BE ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES, EITHER INDIVIDUALLY OR AS A CONTRIBUTING BUILDING TO A HISTORIC DISTRICT, BY THE U.S. SECRETARY OF THE INTERIOR, NEED NOT COMPLY WITH THIS CODE

7 2020 NYCECC- COMPLIANCE REQUIREMENTS

NYCECC COMPLIANCE STATEMENT:
"TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THIS APPLICATION IS IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE-2020"

8 REQUIRED INSPECTIONS

SPECIAL INSPECTIONS:
TTHE FOLLOWING ITEMS ARE SUBJECT TO CONTROLLED INSPECTIONS:

1- SPRINKLER SYSTEMS	BC-1705.29
2- FIRE-RESISTANT PENETRATION AND JOINTS	BC-1705.17

NYCECC EXEMPTION STATEMENT:

FOR PURPOSES OF THE 2020 NEW YORK CITY ENERGY CONSERVATION CODE, NONE OF THE WORK INDICATED UNDER THIS APPLICATION HAS TO COMPLY WITH ANY OF THE ENERGY CODE REQUIREMENTS.

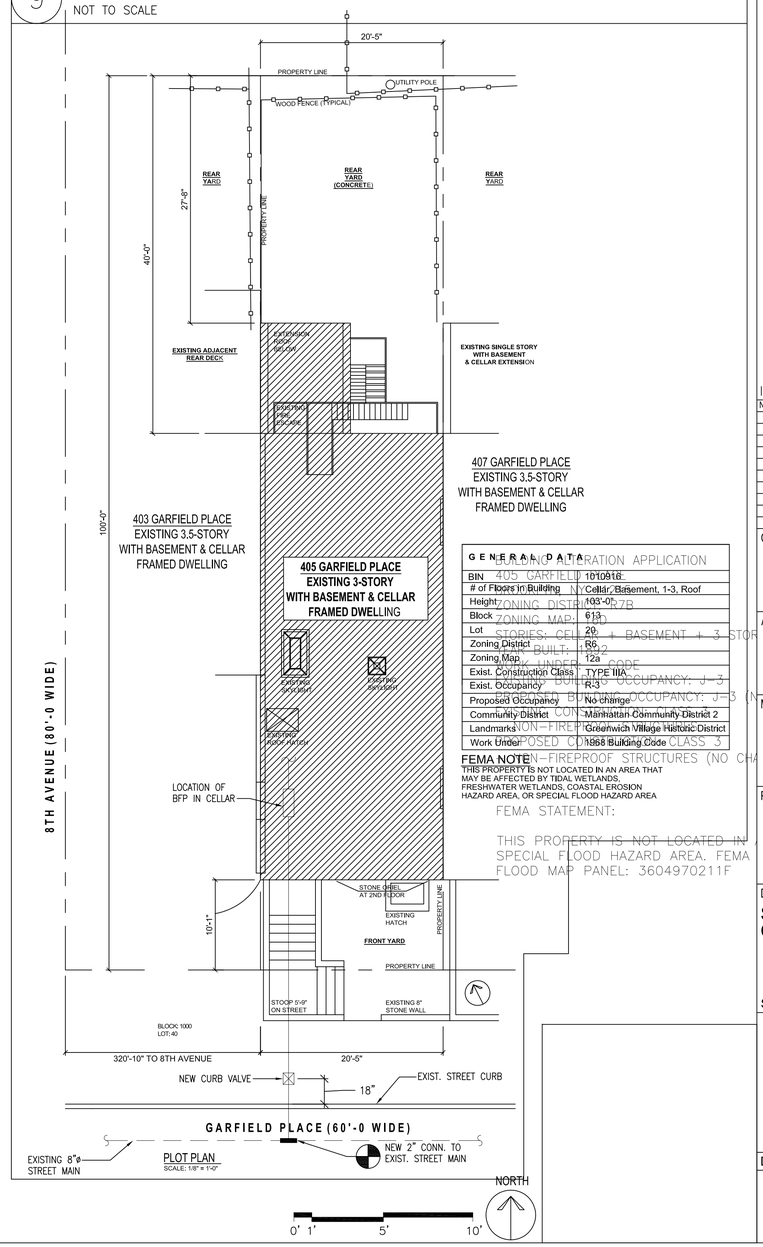
4 DOB DRAWING LIST

NOT TO SCALE

DOB DRAWING LIST		
SHEET	DWG NO.	DRAWING TITLE
1	T-001.00	SPRINKLER COVER SHEET
2	SP-001.00	CELLAR, BASEMENT & 1ST FLOOR SPRINKLER DEMOLITION PLANS
3	SP-002.00	2ND, 3RD FLOORS & PENTHOUSE SPRINKLER DEMOLITION PLANS
4	SP-100.00	CELLAR, BASEMENT & 1ST FLOOR SPRINKLER PLANS
5	SP-101.00	2ND, 3RD FLOORS & PENTHOUSE SPRINKLER PLANS
6	SP-102.00	SPRINKLER NOTES
7	SP-200.00	SPRINKLER DETAILS, NOTES & SYJMBOL LIST
8	SP-300.00	SPRINKLER RISER DIAGRAM & SCHEDULES
9	SP-400.00	HYDRAULIC RISER DIAGRAM

9 PROPERTY INFORMATION

NOT TO SCALE



GENERAL DATA	
BIN	1010818
# of Floors in Building	Cellar, Basement, 1-3, Roof
Height	103'-0"
Block	613
Lot	20
Zoning District	R6
Zoning Map	12a
Exist. Construction Class	TYPE IIIA
Exist. Occupancy	R-3
Proposed Occupancy	No change
Community District	Manhattan Community District 2
Landmarks	Greenwich Village Historic District
Work Under	1968 Building Code

FEMA NOTE
THIS PROPERTY IS NOT LOCATED IN AN AREA THAT MAY BE AFFECTED BY TIDAL WETLANDS, FRESHWATER WETLANDS, COASTAL EROSION HAZARD AREA, OR SPECIAL FLOOD HAZARD AREA

BUILDING ALTERATION APPLICATION
405 GARFIELD
ZONING DISTRICT: R7B
ZONING MAP: 16D
STORIES: CELLAR + BASEMENT + 3 STOR
YEAR BUILT: 1852
ACTUAL UNDER: CODE
EXISTING BUILDING OCCUPANCY: J-3
PROPOSED BUILDING OCCUPANCY: J-3 (N
CONSTRUCTION CLASS: TYPE IIIA
NON-FIREPROOF STRUCTURES (NO CHA
PROPOSED CONSTRUCTION CLASS 3

FEMA STATEMENT:
THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA. FEMA FLOOD MAP PANEL: 3604970211F

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

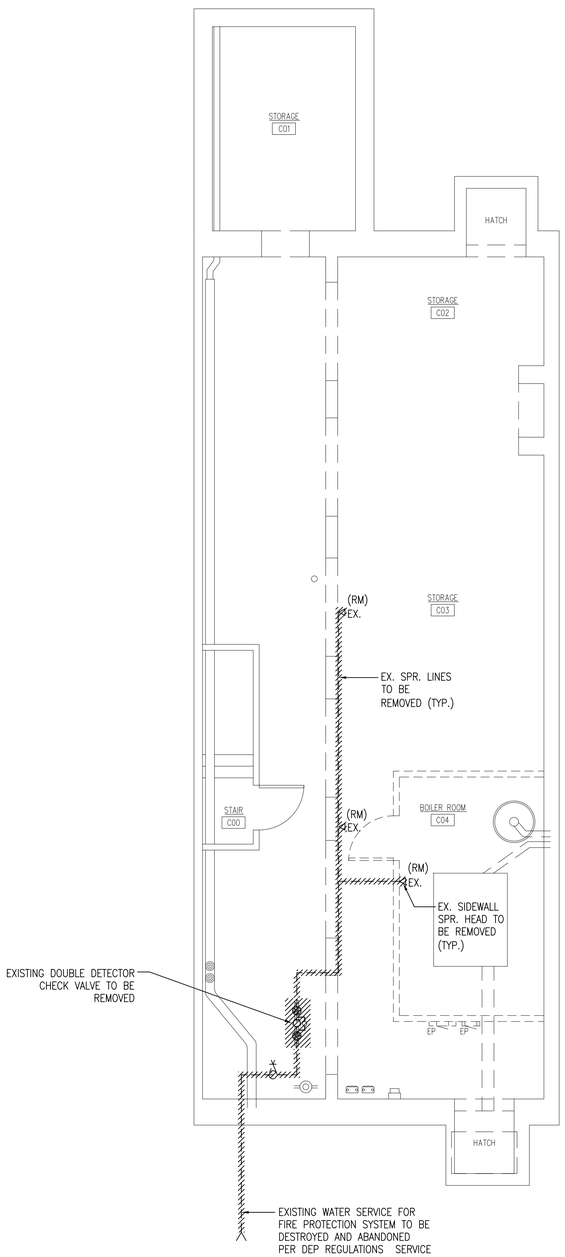
PROJECT NAME:

DRAWING TITLE:
SPRINKLER COVER SHEET

SCALE: 1/4"=1'-0"

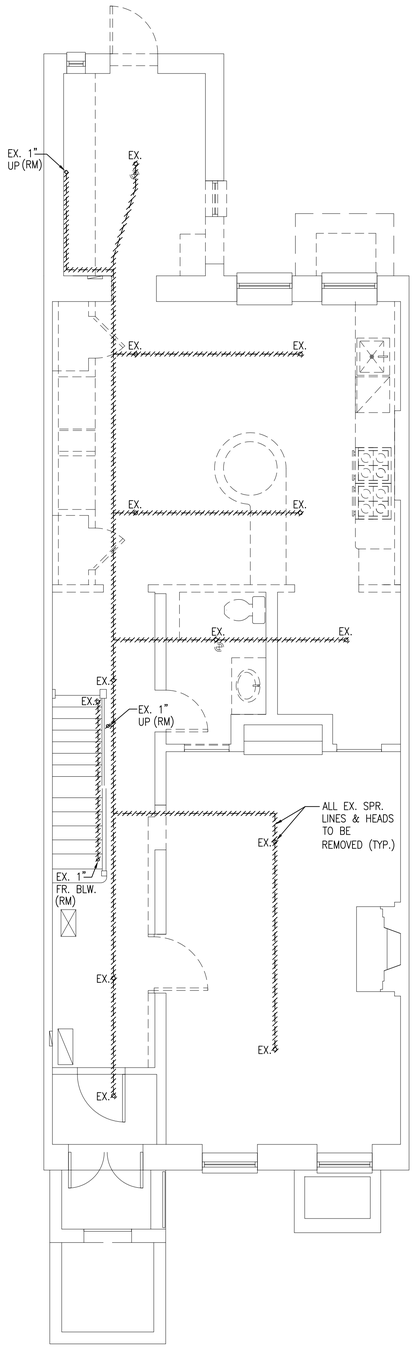
DWG. NO. 01 OF 09

T-001.00



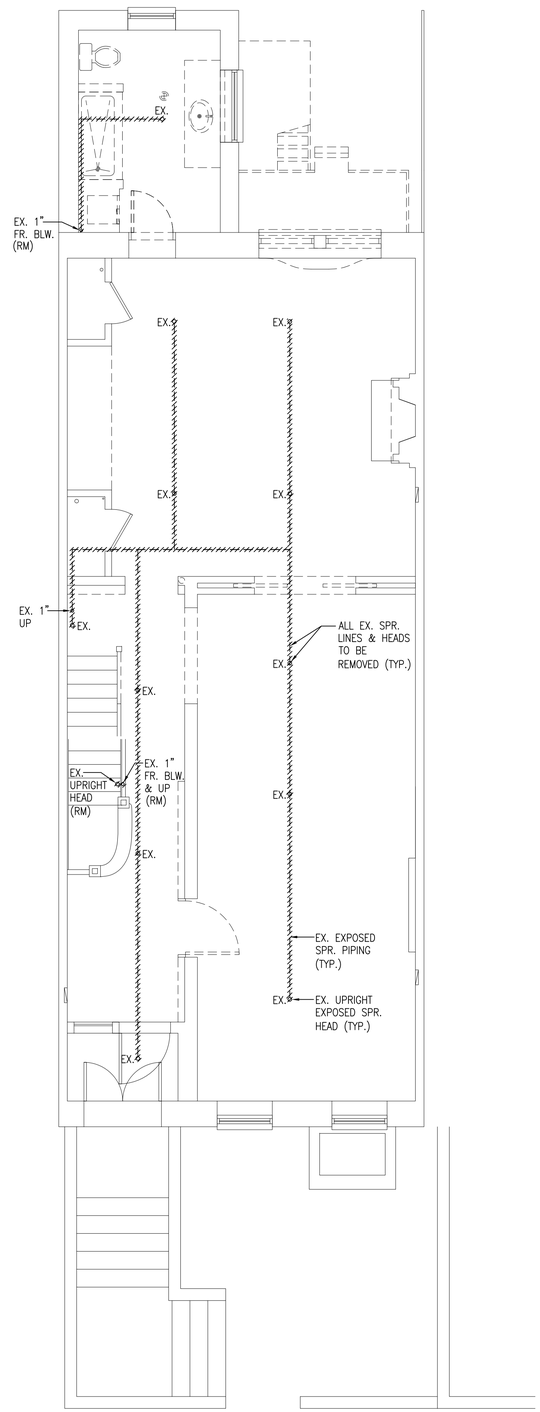
1 SP001 CELLAR SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ALL HATCHED EX. SPR. LINES, RISER & HEADS TO BE REMOVED (TYP.)



2 SP001 BASEMENT SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ALL HATCHED EX. SPR. LINES, RISER & HEADS TO BE REMOVED (TYP.)



3 SP001 1ST FLOOR SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NORTH

0' 1' 5' 10'

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

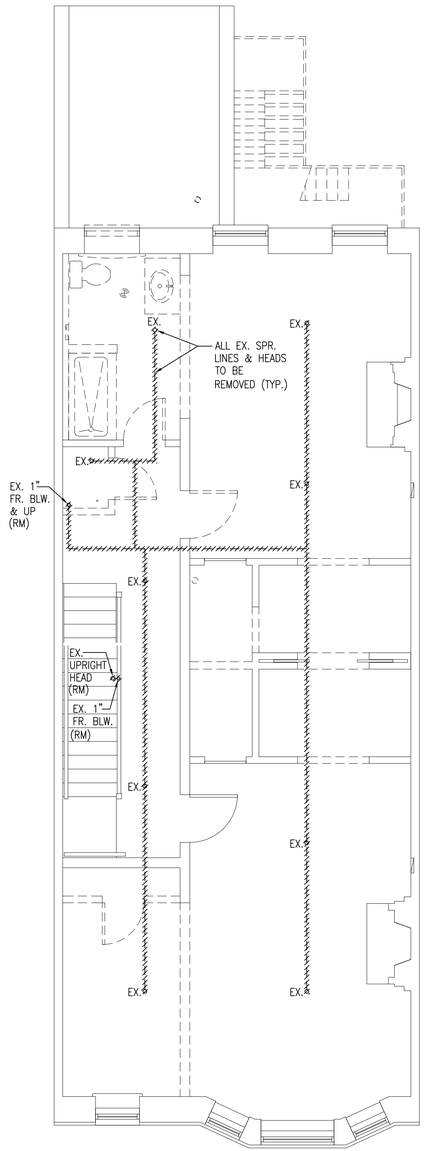
SPRINKLER DOB APPLICATION #:
B00787528-11

DRAWING TITLE:
CELLAR, BASEMENT & 1ST FLOOR SPRINKLER DEMOLITION PLANS

SCALE: 1/4"=1'-0"

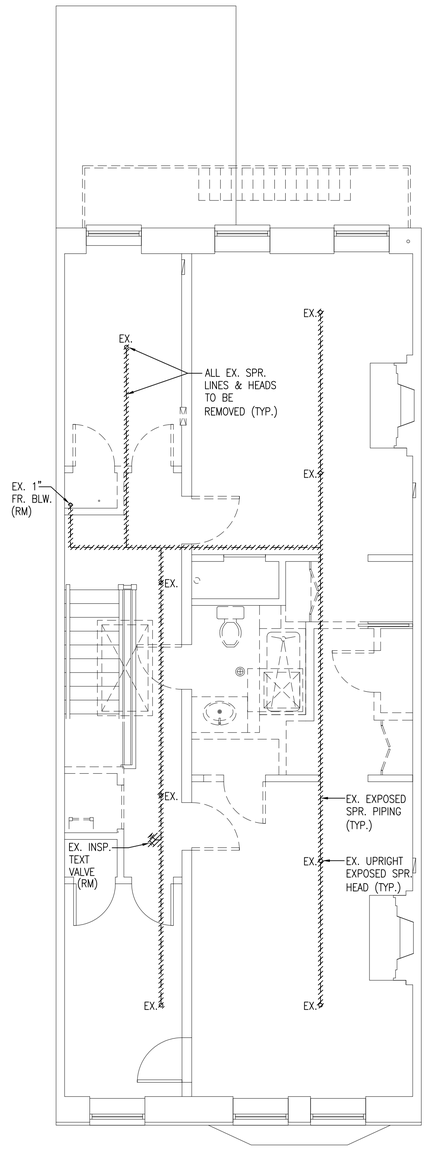
DWG. NO. 02 OF 09

SP-001.00

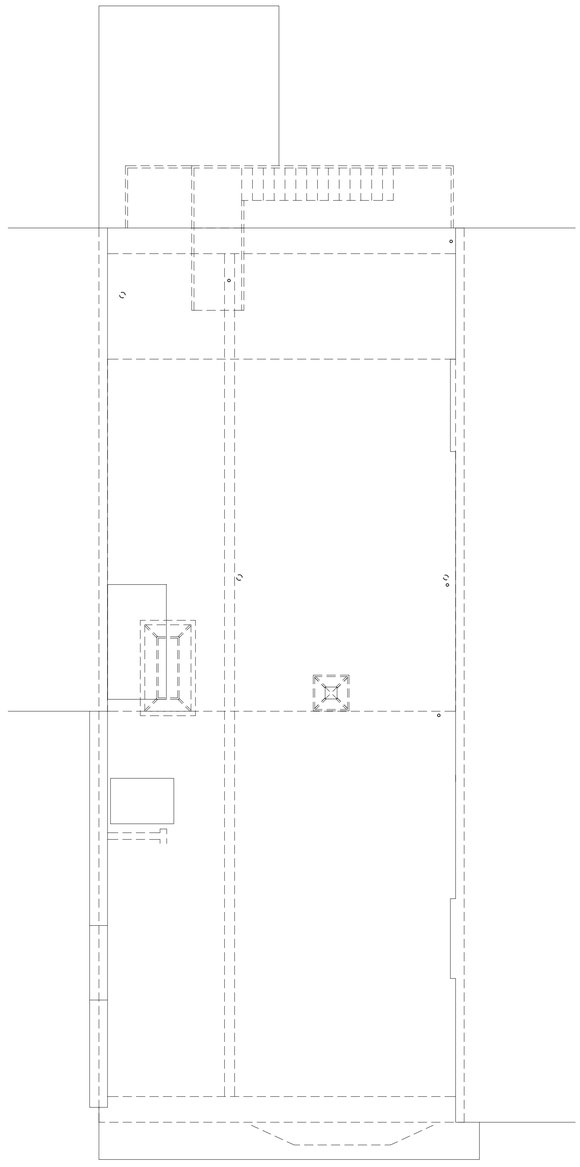


1 SP002 2ND FLOOR SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NOTE: ALL HATCHED EX. SPR. LINES, RISER & HEADS TO BE REMOVED (TYP.)



2 SP002 3RD FLOOR SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



3 SP002 PENTHOUSE SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

0' 1' 5' 10'

NORTH

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

SPRINKLER DOB APPLICATION #: B00787528-I1

DRAWING TITLE:

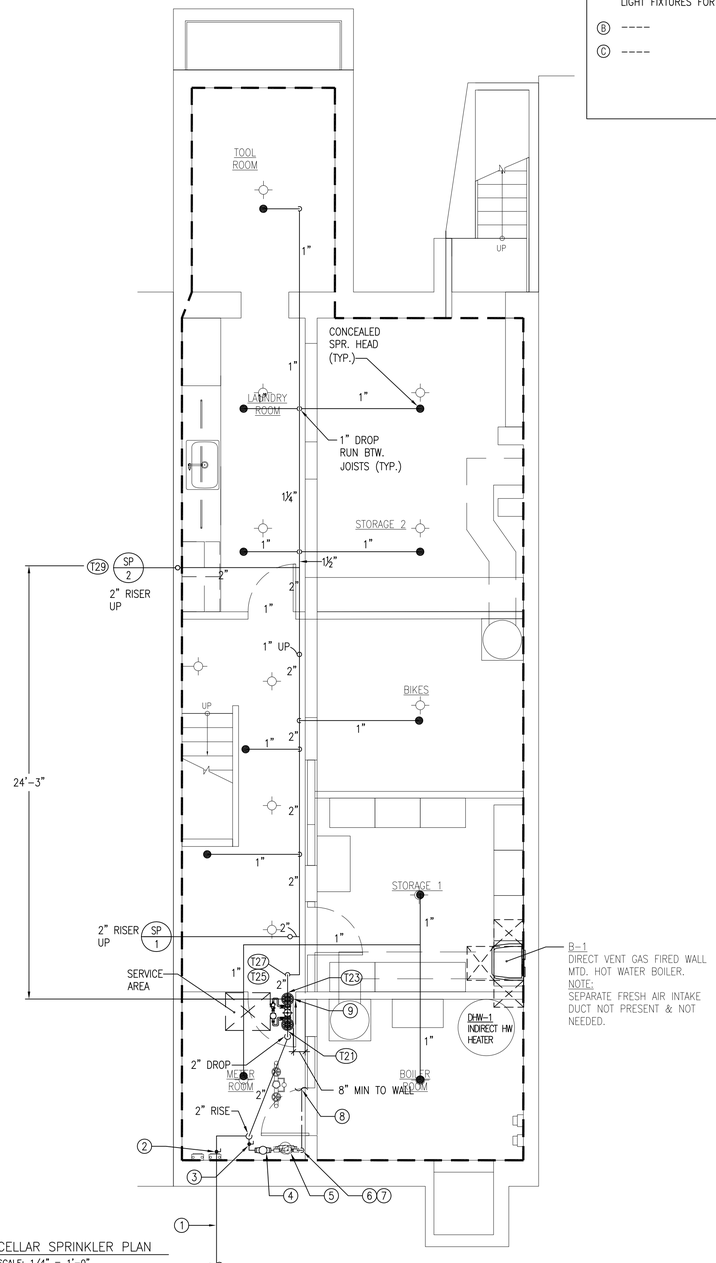
2ND & 3RD FLOOR AND PENTHOUSE SPRINKLER DEMOLITION PLANS

SCALE: 1/4"=1'-0"

DWG. NO. 03 OF 09

SP-002.00

WORK LEGEND
(A) KEEP SPR. HEADS REQUIRED DISTANCE FROM LIGHT FIXTURES FOR PROPER COVERAGE (TYP.)
(B) -----
(C) -----

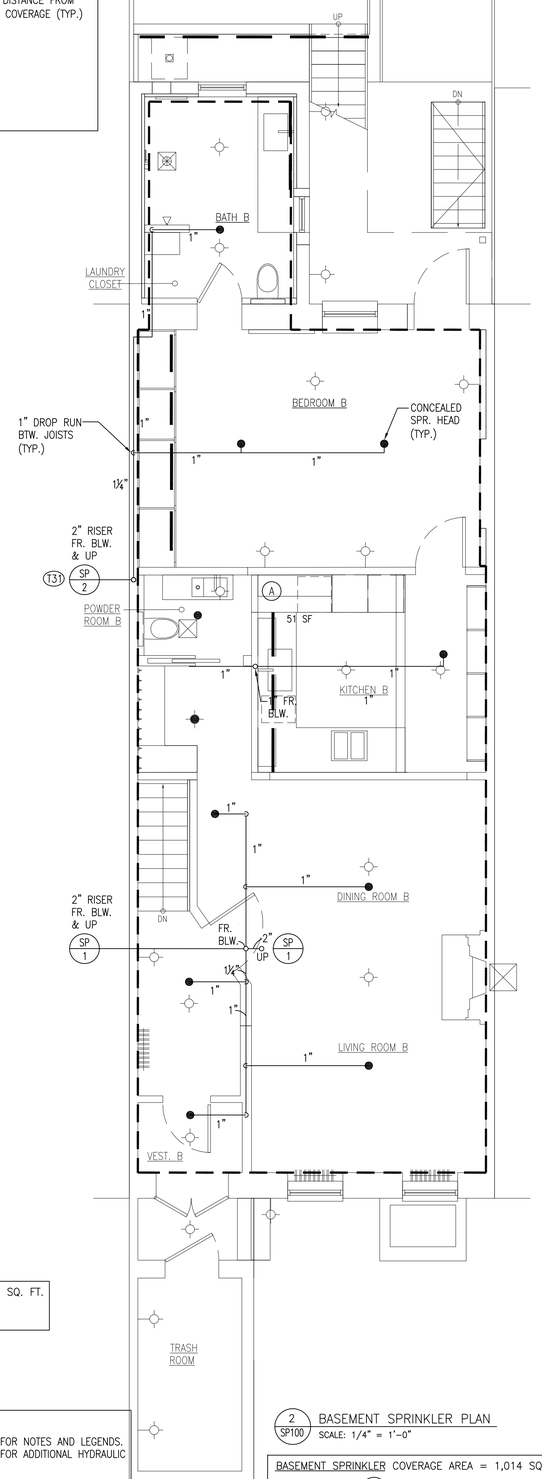


1 SP100 CELLAR SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

LEGEND	
CELLAR PLUMBING EQUIPMENT LEGEND	HYDRAULIC NODES AT DEVICE
(1) NEW 2" FIRE PROTECTION WATER SERVICE WITH DOMESTIC TAKE-OFF FROM GARFIELD PLACE AS PER NYC DEP GUIDELINES HANDBOOK.	–
(2) 2" FULL PORT LOCKABLE HOUSE CONTROL BALL VALVE	–
(3) NEW 1-1/2" METER INLET CONTROL VALVE (FULL PORT BALL VALVE)	–
(4) NEW 1-1/2" DOMESTIC WATER METER NYC APPROVED WITH REMOTE ENCODER	–
(5) NEW LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY "WATTS" LF009M2QT-1½". INSTALL MIN. 8" CLEAR TO WALL, 12" CLEAR ABV. & 30" CLEAR IN FRONT, SEE ALSO APPROVED NYC DEP BFP DRAWINGS FOR EXACT INSTALLATION DETAILS.	(T21) (T23)
(6) NEW 1-1/2" TEST TEE VALVE & CAPPED	–
(7) NEW 1-1/2" METER OUTLET CONTROL VALVE (FULL PORT BALL VALVE) INSTALL AFTER TEST TEE ON MAIN WATER LINE BRANCH	–
(8) NEW 1-1/2" DISTRIBUTION TO DOMESTIC FIXTURES ONLY	–
(9) NEW DOUBLE CHECK DETECTOR VALVE ASSEMBLY "WATTS" MODEL 007M1DCDA-2"	–

B-1
DIRECT VENT GAS FIRED WALL MTD. HOT WATER BOILER.
NOTE:
SEPARATE FRESH AIR INTAKE DUCT NOT PRESENT & NOT NEEDED.

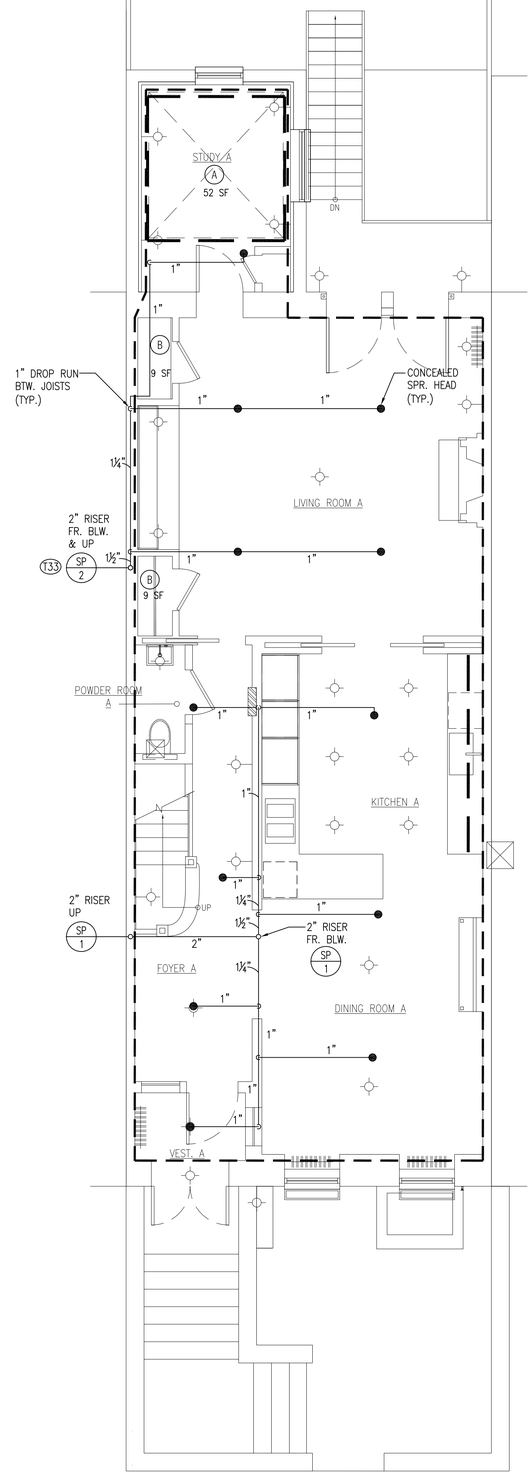
CELLAR SPRINKLER COVERAGE AREA = 1,002 SQ. FT.
TOTAL HEADS = (11) LIGHT HAZARD



NOTES:
1. SEE SHEET SP-102 FOR NOTES AND LEGENDS.
2. SEE SHEET SP-400 FOR ADDITIONAL HYDRAULIC CALCULATION NODES.

2 SP100 BASEMENT SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

BASEMENT SPRINKLER COVERAGE AREA = 1,014 SQ. FT.
TOTAL HEADS = (10) LIGHT HAZARD



3 SP100 1ST FLOOR SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

1ST FLOOR SPRINKLER COVERAGE AREA = 1,018 SQ. FT.
TOTAL HEADS = (12) LIGHT HAZARD

NORTH

0' 1' 5' 10'

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022
2.	DOB PAA 1	03.22.2024

OWNER:

ARCHITECT:

MEP ENGINEER:

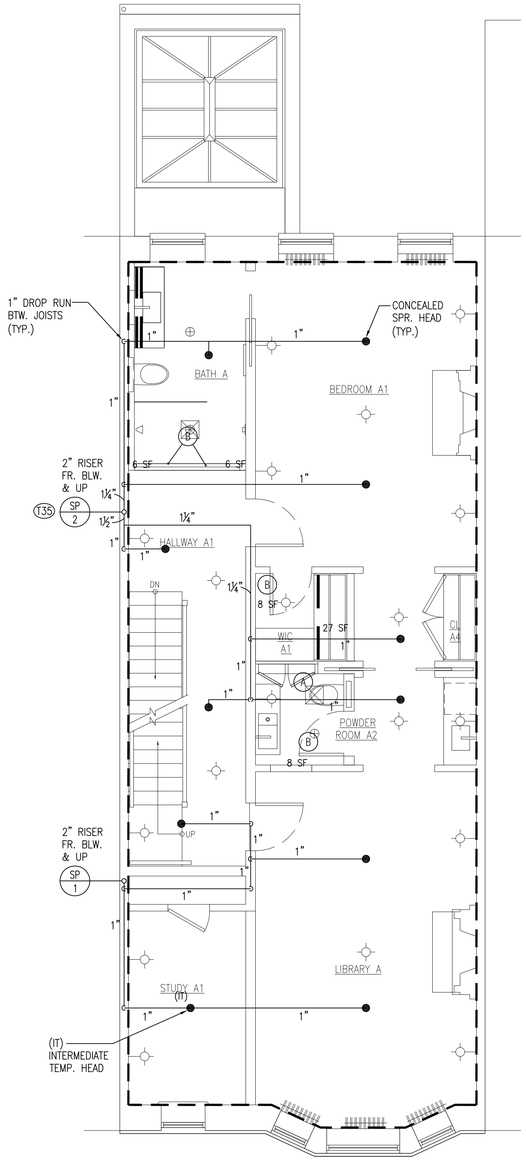
PROJECT NAME:

DRAWING TITLE:
CELLAR, BASEMENT & 1ST FLOOR SPRINKLER PLANS

SCALE: 1/4"=1'-0"

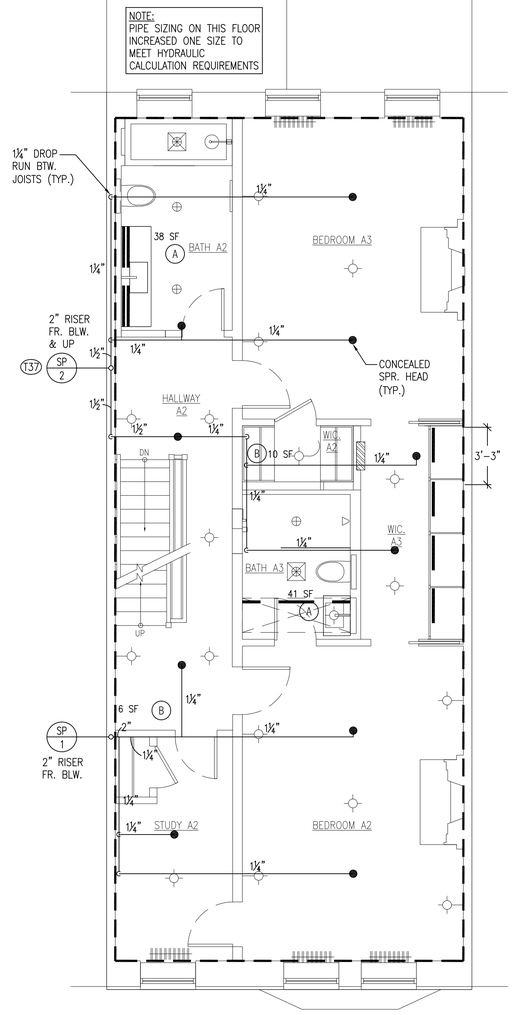
DWG. NO. 04 OF 09

SP-100.00



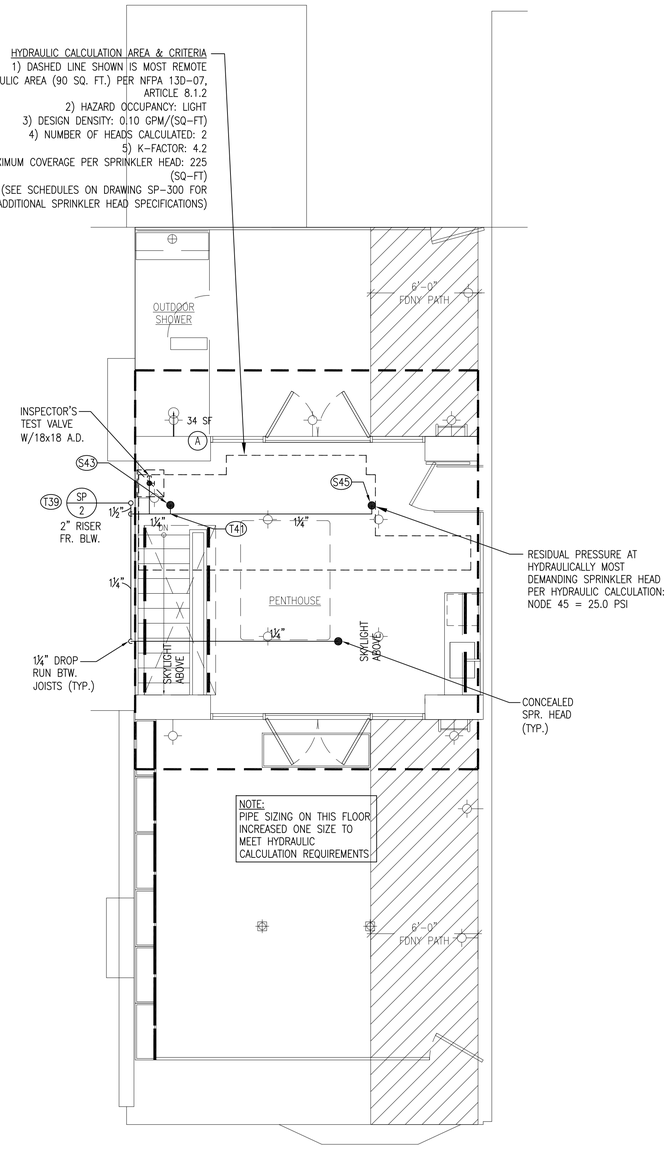
1 SP101 2ND FLOOR SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

2ND FLOOR SPRINKLER COVERAGE AREA = 927 SQ. FT.
TOTAL HEADS = (11) LIGHT HAZARD



2 SP101 3RD FLOOR SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

3RD FLOOR SPRINKLER COVERAGE AREA = 917 SQ. FT.
TOTAL HEADS = (10) LIGHT HAZARD



3 SP101 PENTHOUSE SPRINKLER PLAN
SCALE: 1/4" = 1'-0"

PENTHOUSE SPRINKLER COVERAGE AREA = 427 SQ. FT.
TOTAL HEADS = (3) LIGHT HAZARD

NORTH

0' 1' 5' 10'

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022
2.	DOB PAA 1	03.22.2024

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

DRAWING TITLE:
2ND, 3RD FLOORS & PENTHOUSE SPRINKLER PLANS

SCALE: 1/4"=1'-0"

DWG. NO. 05 OF 09

SP-101.00

A) IF THE EDGE OF SOURCE (HOT WATER HEATER OR FURNACE) FROM A SPRINKLER HEAD IS 6", THEN "ORDINARY TEMPERATURE SPRINKLER" IS REQUIRED.

B) IF THE EDGE OF SOURCE (HOT WATER HEATER OR FURNACE) FROM A SPRINKLER HEAD IS 3", THEN "INTERMEDIATE TEMPERATURE SPRINKLER" IS REQUIRED.

C) IF MAXIMUM CEILING TEMPERATURE = 100°F
TEMPERATURE RATING = 135–170
THEN ORDINARY TEMP. HEADS ARE REQUIRED

D) IF MAXIMUM CEILING TEMPERATURE = 150°F
TEMPERATURE RATING = 175–225
THEN INTERMEDIATE TEMP. HEADS ARE REQUIRED

E) IF MAXIMUM CEILING TEMPERATURE = 225°F
TEMPERATURE RATING = 250–300
THEN HIGH TEMP. HEADS ARE REQUIRED

1 SPRINKLER HEAD TEMPERATURE RATING
NOT TO SCALE

THE FOLLOWING ITEMS ARE SUBJECT TO CONTROLLED INSPECTIONS:
1– SPRINKLER SYSTEMS BC–1705.29
2– FIRE–RESISTANT PENETRATION AND JOINTS BC–1705.17

2 SPECIAL INSPECTIONS
NOT TO SCALE

A) OCCUPANCY CLASS:
–R–3 RESIDENTIAL (1 OR 2 FAMILY)
B) HAZARD CLASSIFICATION:
– LIGHT OVERALL
– ORDINARY FOR STORAGE AREAS

3 OCCUPANCY & HAZARD CLASSIFICATION
NOT TO SCALE

LIGHT HAZARD (NON–COMBUSTIBLE)	200 SQ. FT.
LIGHT HAZARD (COMBUSTIBLE)	168 SQ. FT.
ORDINARY HAZARD	130 SQ. FT.

4 SPRINKLER HEAD PROTECTION AREA/HD
NOT TO SCALE

NOTES:
1. HYDROSTATIC TESTS

A. THE SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY TESTED UNDER A PRESSURE OF 50 PSI FOR TWO HOURS ABOVE SYSTEM OPERATING PRESSURE AND CHECKED VISAULLY FOR LEAKS AT EACH JOINT AND COUPLING. ANY DEFECTS OR LEAKS SHALL BE REMEDIED. CAULKING OF THREADS SHALL NOT BE PERMITTED.

5 HYDROSTAIC TESTS

NFPA 13D VER 2007
HYDRAULIC DESIGNED BASED ON THE FOLLOWING:
A) OCCUPANCY: LIGHT HAZARD
B) MINIMUM DESIGN DENSITY: 0.10 GPM/SQ. FT.
C) DESIGN AREA OF APPLICATION: SECTION 8.1.2 (2 MOST HYDRAULICALLY DEMANDING SPRINKLER HEADS)
D) K FACTOR : 4.9

6 SPRINKLER DESIGN CRITERIA
NOT TO SCALE

A) SPRINKLER HEADS TO BE SPACED AT A MIN. OF 8 FT AND A MAX. OF 16 FT.
B) 8FT MAX. TO WALL PER LISTING.

7 SPRINKLER HEAD SPACING NOTE
NOT TO SCALE

A) REFER TO ARCH'S REFLECTED CEILING PLAN FOR ALIGNMENT W/LIGHT FIXTURES. MAINTAIN MIN. 6" CLEAR TO LIGHT FIXTURES.

B) ALL NEW SPRINKLER LINES ARE 1" UNLESS NOTED OTHERWISE

C) FIRE DEPARTMENT CONNECTION IS NOT REQUIRED FOR THIS OCCUPANCY AS PER NYC 2014 BUILDING CODE– SEC BC Q103–4.3.3. PROVIDE HYDROSTATIC PRESSURE TEST AT SYSTEM OPERATING PRESSURE AS PER NFPA 13D–2007 SEC. 4.3.1

8 GENERAL SPRINKLER NOTES
NOT TO SCALE

S1 NODE: SPRINKLER HEAD
T1 NODE: FITTING/PIPE SIZE CHANGE
23.0 PSI RESIDUAL PRESSURE (PSI) AT THIS NODE PER HYDRAULIC CALCULATION

9 HYDRAULIC CALCULATION LEGEND
NOT TO SCALE

BATHROOM COVERAGE CRITERIA:

A NO SPRINKLER REQUIRED, BATHROOM AREA 55 SQ. FT. OR LESS, AS PER NFPA 13D–8.6.2 LOCATED ABOVE CELLAR LEVEL (TYP.)

CLOSET COVERAGE CRITERIA:

B NO SPRINKLER REQUIRED, CLOSET AREA UNDER 24 SQ. FT., LEAST DIMENSION NOT TO EXCEED 3 FT. AS PER NFPA 13D–8.6.3 LOCATED ABOVE CELLAR LEVEL (TYP.)

NOTE:
SPRINKLERS SHALL BE INSTALLED IN ANY CLOSET USED FOR HEATING AND AIR CONDITIONING EQUIPMENT, AND ANY CLOSET OR BATHROOM AT CELLAR LEVEL.

10 BATHROOM AND CLOSET SPRINKLER COVERAGE LEGEND
NOT TO SCALE

A) PIPING MATERIALS SHALL BE BLACK STEEL, SCHEDULE 40 IN COMPLIANCE WITH NFPA 13D–2007 SEC. 5.2.

B) MINIMUM OPERATING SPRINKLER PRESSURES SHALL BE 7 PSI OR MINIMUM PRESSURE STATED BY MANUFACTURER PER NFPA 13D–2007 SEC. 8.1.4

C) MINIMUM SPRINKLER COVERAGE SHALL BE IN ACCORDANCE WITH SEC. 8.1.3.1 OR IN ACCORDANCE WITH THE COVERAGE CRITERIA AS STATED IN THE LISTING (8.1.3.2) NFPA 13D–2007.

11 NFPA COMPLIANCE NOTES
NOT TO SCALE

"I GAETANO D'ANTONIO, P.E., HEREBY CERTIFY THAT THE NEWLY CALCULATED HYDRAULIC DEMAND OF THE SYSTEM AS PER 2014 CODE DUE TO WORK FILED UNDER THIS APPLICATION IS EQUAL TO OR LESS THAN THE HYDRAULIC DEMAND OF THE EXISTING SYSTEM PRIOR TO CURRENT OR PROPOSED MODIFICATION."

12 ENGINEER ATTESTATION
NOT TO SCALE

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

DRAWING TITLE:
SPRINKLER NOTES

SCALE: 1/4"=1'-0"

DWG. NO. 06 OF 09

SP-102.00

NORTH

0' 1' 5' 10'

SPRINKLER DESIGN CRITERIA (NFPA13D)	
DESIGN CRITERIA – HYDRAULIC DESIGNED BASED ON THE FOLLOWING:	
OCCUPANCY:	GROUP R-3, RESIDENTIAL
HAZARD TYPE:	LIGHT HAZARD
MIN. DESIGN DENSITY:	0.1 GPM/SQ. FT.
DESIGN AREA OF APPLICATION:	NFPA 13R-07 6.8.1.2
K-FACTOR:	4.9

NOTES:

1) THIS FILING FOR SPRINKLER WORK ONLY.
2) THIS WORK IS EXEMPT FROM THE ENERGY CODE.

1 SPRINKLER DESIGN CRITERIA (NFPA13D)
NOT TO SCALE

SPRINKLER MATERIALS AND INSTALLATION

A. SYSTEM AND COMPONENT PARTS SHALL BE THE PRODUCTS OF A MANUFACTURER EQUIPPED AND EXPERIENCED IN THE MANUFACTURING OF SPRINKLER SYSTEMS. DEVICES SHALL BE UNDERWRITERS LABORATORIES AND/OR FACTORY MUTUAL APPROVED AND SHALL HAVE A CURRENT LISTING IN THEIR RESPECTIVE "APPROVED EQUIPMENT" LISTS. COMPONENTS AND PARTS SHALL BE SUBJECT TO THE ACCEPTANCE OF THE ARCHITECT.

B. PIPE SHALL BE BLACK STEEL, SCHEDULE 40.

C. THREADS SHALL BE FULL AND CLEAN CUT AND BURRS FORMED IN CUTTING SHALL BE REAMED. IN ASSEMBLING PIPING, CARE SHALL BE TAKEN THAT THE PIPE DOES NOT EXTEND INTO THE FITTING OBSTRUCTING THE WATERWAY. JOINT COMPOUND SHALL BE APPLIED TO THE THREADS OF THE PIPE AND NOT TO THE FITTINGS OR SPRINKLERS. PIPES SHALL BE STRAIGHTENED BEFORE INSTALLATION TO PREVENT POCKETS. PIPES SHALL PITCH NOT LESS THAN 1/4" IN 10 FEET.

D. FITTINGS, UNLESS OTHERWISE SPECIFIED, SHALL BE BLACK CAST IRON STANDARD SPRINKLER FITTINGS.

E. SCREWED FITTINGS SHALL BE 175# CAST IRON, ANSI B16.4.

F. FLANGED FITTINGS SHALL BE 175# CAST IRON ANSI B16.1.

G. COUPLINGS SHALL NOT BE USED EXCEPT WHERE PIPE IS MORE THAN 20 FEET IN LENGTH BETWEEN FITTINGS.

H. A ONE-PIECE REDUCING FITTING SHALL BE USED WHEREVER A CHANGE IS MADE IN THE SIZE. THE USE OF BUSHINGS OR REDUCING FLANGES WILL NOT BE PERMITTED.

I. UNIONS SHALL BE OF THE HEAVY GROUND TYPE AND SHALL BE USED ONLY ON PIPES 2" AND SMALLER.

J. VICTAULIC GROOVED TYPE COUPLINGS WITH GROOVED FITTINGS MAY BE USED THROUGHOUT OR IN PART.

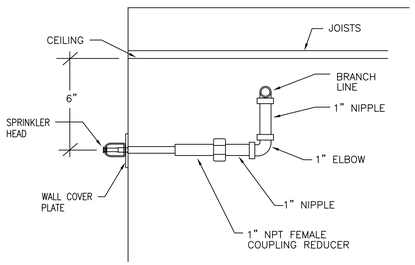
K. INSTALL SPRINKLER HEADS IN ALL AREAS ON TRUE AXIS LINE IN BOTH DIRECTIONS WITH A MAXIMUM DEVIATION OF 1/2" ± FROM THE AXIS LINE ESTABLISHED BY THE ARCHITECT FOR THE USE OF ALL TRADES. AT THE COMPLETION OF THE INSTALLATION, REMOVE AND REINSTALL ANY SPRINKLER HEADS FOUND TO EXCEED THE ABOVE-MENTIONED TOLERANCE.

L. UNDERGROUND PIPING SHALL BE CLASS 52 DUCTILE IRON PIPING WITH MECHANICAL JOINTS AND FITTINGS.

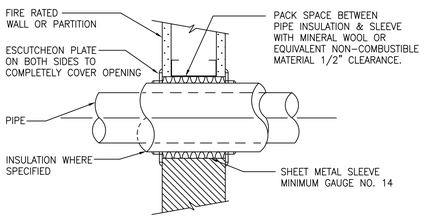
2 SPRINKLER MATERIALS AND INSTALLATION
NOT TO SCALE

SYMBOL LIST	
SP	NEW SPRINKLER PIPING
	OS & Y VALVE W/ TAMPER SWITCH
	WATER FLOW SWITCH
	CAPPED OUTLET
	GATE VALVE
	CHECK VALVE
	UPRIGHT SPRINKLER HEAD
	PENDENT CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
WFS	WATER FLOW SWITCH
TS	TAMPER SWITCH
SA	SPRINKLER ALARM
T7	NODE USED FOR HYDRAULIC CALCULATIONS
SPK	SPRINKLER
DR	DRAIN
FCV	FLOOR CONTROL VALVE
HT	HIGH TEMP HEADS
FS	FIRE STOPPING (SEE DETAIL ON SP-200 #2)

3 SYMBOL LIST
NOT TO SCALE

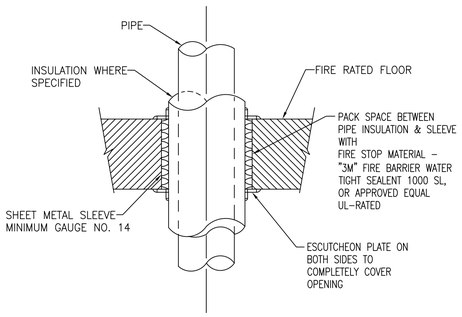


4 SIDEWALL SPRINKLER HEAD BRANCHLINE CONNECTION
NOT TO SCALE



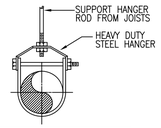
NOTE:
1) THE INSTALLATION OF FIRE STOPPING MATERIALS SHALL BE SUBJECT TO CONTROLLED INSPECTION IN ACCORDANCE WITH C26-106.3.

5 PIPE SLEEVE THRU CONCEALED SPACES AND PENETRATION OF RATED PARTITIONS
NOT TO SCALE



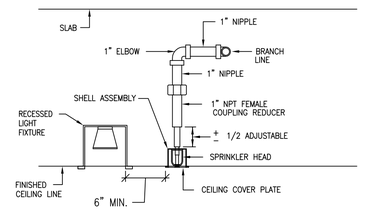
NOTE:
1) THE INSTALLATION OF FIRE STOPPING MATERIALS SHALL BE SUBJECT TO CONTROLLED INSPECTION.

6 PIPE SLEEVE THRU FLOOR
NOT TO SCALE



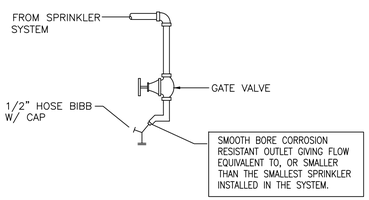
PIPE HANGER DETAIL		
PIPE DIAMETER	ROD SIZE	APPROVAL & LISTINGS
1"	3/8"	UL/FM
1-1/4"	3/8"	UL/FM
1-1/2"	3/8"	UL/FM
2"	3/8"	UL/FM
2-1/2"	3/8"	UL/FM
3"	3/8"	UL/FM
4"	3/8"	UL/FM
5"	1/2"	UL/FM

7 PIPE HANGER DETAIL
NOT TO SCALE

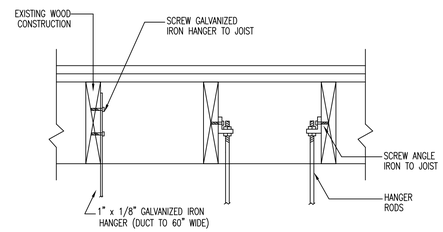


CONCEALED SPRINKLER HEAD BRANCHLINE CONNECTION
(NOT TO SCALE)

8 CONCEALED SPRINKLER HEAD BRANCHLINE CONNECTION
NOT TO SCALE



9 SPRINKLER TEST PIPE
NOT TO SCALE



10 PIPE SUPPORT DETAIL @ EXISTING STRUCTURE
NOT TO SCALE

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

DRAWING TITLE:
SPRINKLER DETAILS, NOTES & SYMBOL LIST

SCALE: AS NOTED

DWG. NO. 07 OF 09

SP-200.00

SPRINKLER SCHEDULE– RESIDENTIAL LIGHT HAZARD								
LEGEND	TYPE	AREA	MAKE *	MODEL	MAX. TEMP. RATING	DENSITY	K–FACTOR	APPROVALS
●	CONCEALED	HUNG CLG.	RELIABLE	RFC49	165° F	0.10 GPM/SQ. FT.	4.9	UL VKKW
◀	SIDE WALL	OPEN AREAS	RELIABLE	RFS42	165° F	0.10 GPM/SQ. FT.	4.2	UL–VKKW
○	VERTICAL UPRIGHT	OPEN AREAS	RELIABLE	F1FR–56	165° F	0.10 GPM/SQ. FT.	5.6	UL–VNIV
●(DRY)	CONCEALED	HUNG CLG.	RELIABLE	G5–56	165° F	0.10 GPM/SQ. FT.	5.6	UL–VNIV
●(INT)	RECESSED PENDENT INTERMEDIATE TEMP.	BOILER ROOM	RELIABLE	FIFR–56	200° F (INT)	0.10 GPM/SQ. FT.	5.6	UL VNIV

* OR APPROVED EQUAL

NOTE:
COVERAGE SHALL COMPLY W/ NFPA 13D–2007 SEC.8.1.2 UNLESS LISTED
OTHERWISE (MAX. 16FT BETWEEN SPRINKLERS, 8FT MAX. TO WALL PER LISTING)

INSTALLATION DATA: RFC49 (RA0616)							
THREAD SIZE INCH (MM)	K FACTOR	SPRINKLER COVERAGE/SPACING FT. (M)	MAXIMUM DISTANCE TO WALL FT. (M)	MIN. DISTANCE BETWEEN SPRINKLERS FT. (M)	MINIMUM REQUIRED SPRINKLER DISCHARGE		
					FLOW GPM (LPM)	MIN. PRESSURE PSI (BAR)	MAX. PRESS. PSI (BAR)
½" (15MM)	4.9	12x12 (3.6x3.6)	6 (1.83)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	4.9	14x14 (4.3x4.3)	7 (2.13)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	4.9	16x16 (4.9x4.9)	8 (2.43)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	4.9	18x18 (5.5x5.5)	9 (2.74)	8 (2.43)	17 (64.3)	12.0 (0.83)	175 (12)
½" (15MM)	4.9	20x20 (6.0x6.0)	10 (3.05)	8 (2.43)	20 (75.7)	16.7 (1.14)	175 (12)

NOTE: 1 BAR = 100 KPA

INSTALLATION DATA: F1FR–56							
THREAD SIZE INCH (MM)	K FACTOR	SPRINKLER SPACING FT. (M)	MAXIMUM DISTANCE TO WALL FT. (M)	MIN. DISTANCE BETWEEN SPRINKLERS FT. (M)	MINIMUM REQUIRED SPRINKLER DISCHARGE		
					FLOW GPM (LPM)	PRESSURE PSI (BAR)	MAX PRESSURE PSI (BAR)
½" (15MM)	5.6	12x12 (3.6x3.6)	6 (1.83)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	5.6	14x14 (4.3x4.3)	7 (2.13)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	5.6	16x16 (4.9x4.9)	8 (2.43)	8 (2.43)	13 (49)	7.0 (0.48)	175 (12)
½" (15MM)	5.6	18x18 (5.5x5.5)	9 (2.74)	8 (2.43)	17 (64.3)	12.0 (0.83)	175 (12)
½" (15MM)	5.6	20x20 (6.0x6.0)	10 (3.05)	8 (2.43)	20 (75.7)	16.7 (1.14)	175 (12)

NOTE: 1 BAR = 100 KPA

INSTALLATION DATA: RFS42 ***						
THREAD SIZE INCH (MM)	K FACTOR	SPRINKLER SPACING FT. (M)	DEFLECTOR TO CEILING DIMENSION		MINIMUM REQUIRED SPRINKLER DISCHARGE	
			IN.	MM.	FLOW GPM (LPM)	PRESSURE PSI (BAR)
½" (15MM)	4.9	12x12 (3.6x3.6)	4–6	102–152	12 (45.4)	8.2 (0.57)
½" (15MM)	4.9	12x12 (3.6x3.6)	6–12	152–305	13 (49.2)	9.6 (0.67)
½" (15MM)	4.9	14x14 (4.3x4.3)	4–6	102–152	12 (45.4)	8.2 (0.57)
½" (15MM)	4.9	14x14 (4.3x4.3)	6–12	152–305	14 (53.0)	11.1 (0.78)
½" (15MM)	4.9	16x16 (4.9x4.9)	4–12	102–152	16 (60.6)	14.5 (1.01)
½" (15MM)	4.9	16x18 (4.9x5.5)	4–12	102–152	18 (68.1)	18.4 (1.29)
½" (15MM)	4.9	16x20 (4.9x6.1)	4–6	102–152	22 (83.3)	27.4 (1.92)
½" (15MM)	4.9	16x20 (4.9x6.1)	6–12	152–305	23 (87.0)	30.0 (2.10)

NOTE: 1 BAR = 100 KPA *** FOR NFPA 13 SYSTEMS CALCULATE FOR A MINIMUM DESIGN DENSITY OF 0.1 GPM/SF, BUT IN NO CASE GO BELOW THE LISTED DESIGN CRITERIA FLOW RATE AND PRESSURE.

INSTALLATION DATA: G5–56 DRY (RA5114)						
THREAD SIZE INCH (MM)	K FACTOR	SPRINKLER SPACING FT. (M)	MAXIMUM DISTANCE TO WALL FT. (M)	MIN. DISTANCE BETWEEN SPRINKLERS FT. (M)	MINIMUM REQUIRED SPRINKLER DISCHARGE	
					FLOW GPM (LPM)	PRESSURE PSI (BAR)
½" (15MM)	5.6	12x12 (3.6x3.6)	6 (1.83)	8 (2.43)	13 (49)	7.0 (0.48)
½" (15MM)	5.6	14x14 (4.3x4.3)	7 (2.13)	8 (2.43)	13 (49)	7.0 (0.48)
½" (15MM)	5.6	16x16 (4.9x4.9)	8 (2.43)	8 (2.43)	13 (49)	7.0 (0.48)
½" (15MM)	5.6	18x18 (5.5x5.5)	9 (2.74)	8 (2.43)	17 (64.3)	12.0 (0.83)
½" (15MM)	5.6	20x20 (6.0x6.0)	10 (3.05)	8 (2.43)	20 (75.7)	16.7 (1.14)

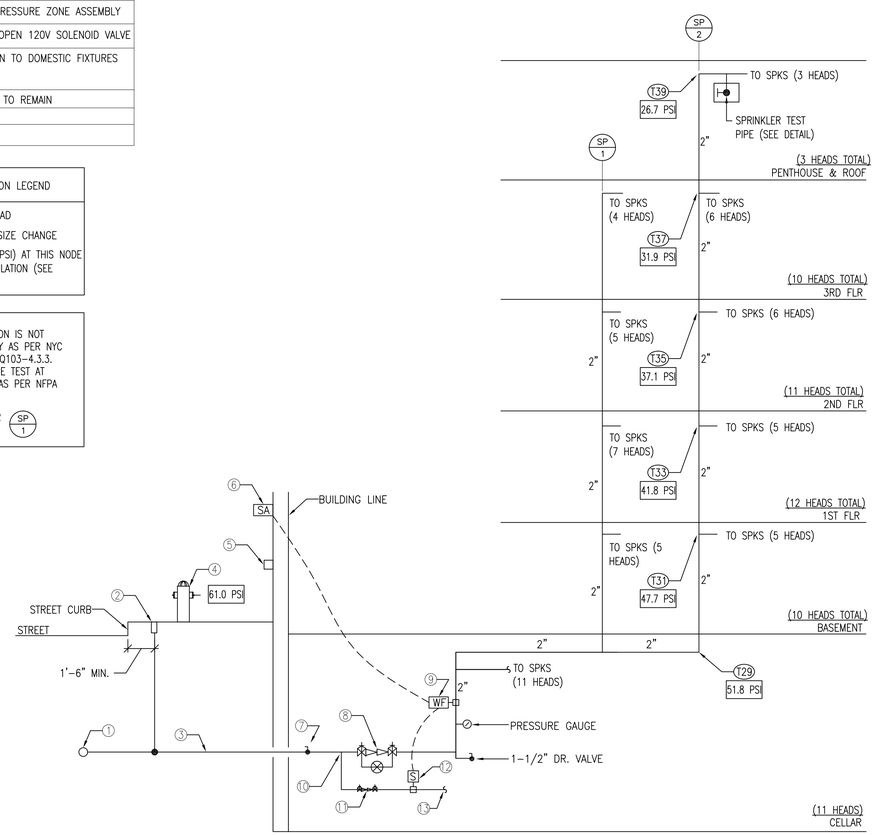
1 SPRINKLER HEAD SCHEDULE
NOT TO SCALE

RISER LEGEND
① EXISTING STREET MAIN ON GARFIELD PLACE
② EXISTING CURB VALVE
③ NEW 2" FIRE PROTECTION WATER SERVICE WITH DOMESTIC TAKE–OFF FROM GARFIELD PLACE AS PER NYC DEP GUIDELINES HANDBOOK.
④ DATUM FOR HYDRAULIC CALCULATION: ELEV=0' (SEE SP–400 FOR WATER PRESSURES)
⑤ REMOTE ENCODER
⑥ SPRINKLER ALARM BELL, 120V
⑦ 2" HOUSE CONTROL VALVE. FULL PORT BALL VALVE & LOCKABLE
⑧ NEW DOUBLE CHECK DETECTOR VALVE ASSEMBLY "WATTS" MODEL 007M1DCDA–2" WITH BYPASS WATER METER
⑨ WATER FLOW SWITCH. USE 'POTTER' MODEL # VSR–2. SWITCH SHALL SHUT AUTOMATIC DOMESTIC SHUT–OFF VALVE & SOUND SPRINKLER ALARM WHEN ACTIVATED
⑩ NEW 1–1/2" TAP FOR DOMESTIC FIXTURES ONLY
⑪ NEW 1–1/2" REDUCED PRESSURE ZONE ASSEMBLY
⑫ NEW 1–1/2" NORMALLY OPEN 120V SOLENOID VALVE
⑬ NEW 1–1/2" DISTRIBUTION TO DOMESTIC FIXTURES ONLY
– – – – EXISTING WORK TO REMAIN
——— NEW WORK

HYDRAULIC CALCULATION LEGEND	
S1	NODE: SPRINKLER HEAD
T1	NODE: FITTING/PIPE SIZE CHANGE
23.0 PSI	RESIDUAL PRESSURE (PSI) AT THIS NODE PER HYDRAULIC CALCULATION (SEE DRAWING SP–300)

NOTE:
1) FIRE DEPARTMENT CONNECTION IS NOT REQUIRED FOR THIS OCCUPANCY AS PER NYC 2014 BUILDING CODE–SEC BC Q103–4.3.3. PROVIDE HYDROSTATIC PRESSURE TEST AT SYSTEM OPERATING PRESSURE AS PER NFPA 13D–2007 SEC. 4.3.1.

2) SPRINKLER RISER USED FOR HYDRAULIC CALCULATION. (SP 1)



2 SPRINKLER RISER DIAGRAM
NOT TO SCALE

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

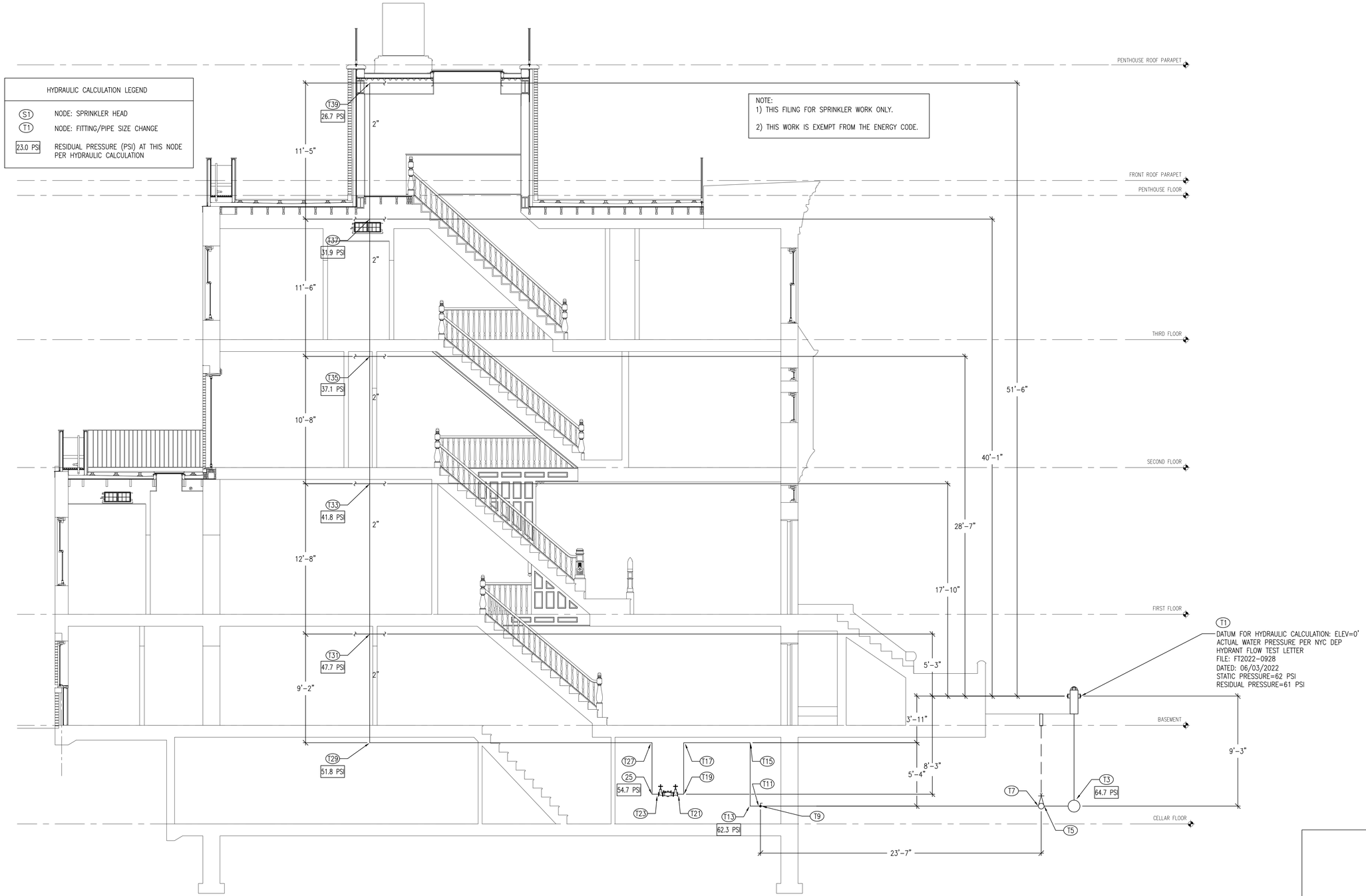
PROJECT NAME:

DRAWING TITLE:
SPRINKLER RISER DGM. & SCHEDULES

SCALE: AS NOTED

DWG. NO. 08 OF 09

SP-300.00



1 SPRINKLER HYDRAULIC RISER DIAGRAM
NOT TO SCALE

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES."

ISSUANCE RECORD

NO.	ISSUE	DATE
1.	DOB FILING	09.14.2022

OWNER:

ARCHITECT:

MEP ENGINEER:

PROJECT NAME:

DRAWING TITLE:
HYDRAULIC RISER DIAGRAM

SCALE: AS NOTED

DWG. NO. 09 OF 09

SP-400.00