

SPRINKLER REMOVAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.
2. VERIFY ALL GOVERNING DIMENSIONS, PIPE SIZES AND LOCATION OF THE PIPING AND EQUIPMENT TO BE REMOVED.
3. NOTIFY BUILDING MANAGER AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES. RISER SHUT DOWNS SHALL BE PERFORMED AT TENANTS COST, AT DESIGNATED TIMES UNDER BUILDING MANAGER'S SUPERVISION AND ONLY WITH APPROVAL.
4. THE CONTRACTOR'S WORK ACTIVITIES SHALL NOT INTERFERE WITH THE BUILDING SERVICES IN ANY WAY WITHOUT THE EXPRESS PERMISSION IN WRITING BY THE BUILDING MANAGER. SUCH INTERRUPTIONS AND INTERFERENCES SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME STATED BY THE BUILDING MANAGER.
5. ALL EQUIPMENT, PIPING, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, RELOCATED, TURNED OVER TO THE TENANT OR SALVAGED AS DIRECTED BY THE BUILDING OWNER.
6. UPON COMPLETION OF ALL NEW WORK NO ABANDONED PIPING SHALL REMAIN.
7. THE EXISTING SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.
8. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING AT THE SITE.
9. NO REMOVED EXISTING PIPING FITTINGS, VALVES, ETC. SHALL BE REUSED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
10. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING HEIGHTS.
11. CONTRACTOR & ITS SUB'S SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SPRINKLERS AND RELATED PIPING AS WELL AS REMOVING SPRINKLERS AS REQUIRED TO MEET NEW PROPOSED SPRINKLER HEAD LAYOUT.
12. THE CONTRACTOR SHALL INCLUDE IN THE PRICE THE COST FOR DRAINING AND FILLING THE EXISTING SPRINKLER SYSTEM IN ORDER TO FACILITATE THE SPRINKLER SCOPE OF WORK. NOTIFY ALL MONITORING SERVICES OF SHUT-DOWNS AT LEAST 48 HOURS BEFORE ANY SHUT-DOWNS.

SPRINKLER NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND SHALL REPORT TO ENGINEER ANY DISCREPANCIES OR OMISSIONS THAT WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING A FULL SET OF BID DOCUMENTS AND VISIT THE SITE TO MAKE THEMSELVES AWARE OF THE TOTAL JOB BEFORE SUBMITTING THE PRICE, FAILURE TO COMPLY SHALL NOT HOLD THE OWNER RESPONSIBLE FOR ANY ADDITIONAL COST.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH FACILITY'S BUILDING MANAGEMENT FOR HANDLING MATERIALS, AS WELL AS FOR ALLOWABLE WORKING HOURS AND DELIVERIES.
4. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND MANUFACTURERS' CUTS AND SAMPLES TO ARCHITECT PRIOR TO COMMENCEMENT OF SUCH WORK.
5. THE CONTRACTOR SHALL INDICATE ON THE SHOP DRAWING THAT ALL PIPING LAYOUTS ARE COORDINATED WITH THE M.E.P. AND STRUCTURAL CONDITIONS. INCLUDE ON EACH WORKING DRAWING LAYOUT CERTIFICATE, THAT ALL RELATED CONDITIONS HAVE BEEN CHECKED, AND THAT NO CONFLICT EXISTS. SUBMISSION WILL NOT BE APPROVED WITHOUT SUCH CERTIFICATION.
6. CONTRACTOR SHALL SUBMIT SPRINKLER HYDRAULIC CALCULATIONS FOR THE ENGINEER'S REVIEW TO VERIFY THE ADEQUACY OF THE INDICATED PIPE SIZES. SHOP DRAWINGS MUST INDICATE ALL HYDRAULIC CALCULATION NODE AND PIPE TAGS.

A. SPRINKLER PIPING SHALL BE INSTALLED AS PER APPROVED SHOP DRAWINGS.

B. CONTRACTOR SHALL BASE ALL HYDRAULIC CALCULATIONS ON THE AVAILABLE PRESSURE AND WATER FLOW DATA AT EXISTING FLOOR CONTROL ASSEMBLY.

C. PROVIDE HYDRAULICALLY DESIGNED SPRINKLER SYSTEM FOR ALL PIPING NOT SIZED.
7. DRAWINGS ARE NOT TO BE SCALED.
8. CONTRACTOR SHALL COMPLY WITH ALL NEW YORK CITY BUILDING DEPARTMENT AND REGULATORY AGENCIES AND CODE REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS OF ALL TRADES.
9. CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AREAS ADJACENT TO CONSTRUCTION AREAS SHALL FULLY PROTECT THEM FROM ANY DAMAGE RESULTING FROM CONTRACTOR'S WORKMEN, SUBCONTRACTORS OR AGENTS, AND SHALL BE RESPONSIBLE FOR REPAIRING, CLEANING OR REPLACING ANY SUCH DAMAGE.
10. ALL DIMENSIONS GIVEN ARE FINISH DIMENSIONS UNLESS OTHERWISE STATED.
11. UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, APPURTENANCES, EQUIPMENT AND SERVICES TO COMPLETE ALL WORK AS INDICATED ON DRAWINGS AND/OR SPECIFIED ON NOTES.
12. UNLESS SPECIFICALLY STATED OTHERWISE, CONTRACTOR SHALL FOLLOW MANUFACTURER'S DIRECTIONS, INSTRUCTIONS AND RECOMMENDATIONS FOR ALL MATERIALS AND PROCESSES USED IN THIS CONTRACT.
13. RELOCATE ALL EXISTING SPRINKLER MAIN AND BRANCH PIPING IN THE AREA OF WORK THAT IS IN CONFLICT WITH THE LIGHTING FIXTURES AND HVAC DUCTWORK.
14. PROVIDE SPRINKLER HEADS UNDER DUCTS OVER 4'-0" IN WIDTH IN AREAS WITHOUT HUNG CEILING.
15. THE CONTRACTOR SHALL ALLOW FOR FOUR (4) ADDITIONAL SPRINKLERS NOT INDICATED ON PLANS TO ACCOMMODATE FIELD CONDITIONS. ALLOW FOR SPRINKLERS BELOW AND ABOVE THE DUCTS IN MECHANICAL ROOMS IN ACCORDANCE WITH 2007 NFPA 13.
16. SPRINKLERS IN MECHANICAL ROOMS SHALL HAVE AN INTERMEDIATE TEMPERATURE RATING UNLESS OTHERWISE NOTED.
17. ALL UPRIGHT SPRINKLER HEADS SHALL HAVE HEAD GUARDS.
18. LOCATE ALL HORIZONTAL PIPING ABOVE SUSPENDED CEILING, UNLESS THERE IS NO CEILING.
19. ACCESS DOORS SHALL BE PROVIDED ADJACENT TO ALL VALVES.
20. EACH CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL PENETRATIONS, CUTTING, PATCHING, SLEEVES, AND FIRE-STOPPING REQUIRED TO COMPLETE THE INSTALLATION OF ALL WORK INCLUDED UNDER THEIR CONTRACT IN ACCORDANCE WITH THE FIRE EGRESS AND SECURITY PLAN DRAWINGS AND IN ACCORDANCE WITH DIVISION 16.
21. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL COMPLETELY CLEAN THE CONSTRUCTION AREA SUITABLE FOR THE OWNER'S USE, INCLUDING REMOVAL OF ALL LABELS (AFTER ARCHITECT'S INSPECTION), CLEANING OF ALL THE EQUIPMENT, CONSTRUCTION WORK, WINDOWS AND OTHER WORK, NEW AND OLD, IN THAT CONSTRUCTION AREA.
22. BUILDING DEPARTMENT APPROVED PLANS SHALL BE TURNED OVER TO OWNER AT THE COMPLETION OF THE JOB.
23. AT THE FINAL COMPLETION OF THE JOB, CONTRACTOR SHALL SUBMIT TO THE FACILITY AND TO ENGINEER A NOTARIZED AFFIDAVIT STATING COMPLIANCE WITH ALL PROVISIONS OF THIS CONTRACT, INCLUDING ALL NOTES, EXCEPT FOR THOSE CHANGES SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT.
24. CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED UNDER THIS CONTRACT FOR ONE YEAR, STARTING FROM DATE OF FINAL ACCEPTANCE OF ALL WORK.
25. CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS AND PIPING REQUIRED TO MODIFY EXISTING SPRINKLER PIPING DESIGNATED AS EXISTING TO REMAIN IF IN CONFLICT WITH NEW MEP EQUIPMENT OR NEW ARCHITECTURAL FEATURES.
26. THE MINIMUM SPRINKLER BRANCH PIPE SIZE SHALL BE 1".

SPRINKLER SCHEDULE							
SYMBOL	TYPE	LOCATION	TEMPERATURE RATING	K-FACTOR	MANUFACTURER	MODEL/ID No.	MEA NUMBER
			ORDINARY				
●	CONCEALED PENDENT	HUNG CEILINGS	165°F	5.6	RELIABLE	G5-56/RA3415	258-93-E
○	UPRIGHT	NO CEILINGS	155°F	5.6	RELIABLE	F1FR56/RA1425	258-93-E
	PENDENT	NO CEILINGS	155°F	5.6	RELIABLE	F1FR56/RA1414	258-93-E
⊗	EXISTING SPRINKLER TO BE REMOVED						
● E O E	EXISTING SPRINKLER TO REMAIN						
NOTES: 1. QUICK RESPONSE SPRINKLERS USED THROUGHOUT. 2. PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS FOR MECHANICAL SPACES.							

CLASSIFICATION OF HAZARD OCCUPANCIES				
CLASSIFICATION	MAXIMUM COVERAGE PER SPRINKLER	HYDRAULIC AREA	DENSITY	ROOMS
LIGHT	225 SQ. FT.	1,500 SQ. FT. (SEE NOTE 2)	0.1 GPM/SQ. FT.	CATH LAB
NOTES: 1. SEE ROOM NAMES ON PLAN FOR APPLICABLE ROOM DESIGNATIONS. 2. AREA REDUCTION PER 2007 NFPA 13 SECTION 11.2.3.2.3; 1,500 SQ.FT MINUS PERCENTAGE ALLOWED BASED ON CEILING HEIGHTS. REFER TO FLOOR PLANS ACTUAL AREA CALCULATED.				

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF THE PIPE
CH	CEILING HEIGHT
DN	DOWN
DR	DRAIN
DWG	DRAWING
EL	ELEVATION
F	FIRE SERVICE
FDC	FIRE DEPARTMENT CONNECTION
FHR	FIRE HOSE RACK
FP	FIRE PROTECTION
FSP	FIRE STAND PIPE
NTS	NOT TO SCALE
PA	PRE-ACTION
QTY	QUANTITY
SPR	SPRINKLER
SQ.FT.	SQUARE FOOT (FEET)
TEMP	TEMPERATURE
TS	TAMPER SWITCH
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY

DRAWING LIST	
SP-001	SPRINKLER SCHEDULE, SYMBOLS, ABBREVIATIONS AND NOTES
SP101	SPRINKLER LEVEL 01 DEMOLITION PLAN
SP-201	SPRINKLER LEVEL 01 PLAN

SYMBOLS	
	EXISTING SPRINKLER PIPING TO REMAIN
	EXISTING SPRINKLER DRAIN PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	SPRINKLER SYSTEM PIPING
	FIRE STANDPIPE SYSTEM PIPING
	PRE-ACTION SYSTEM PIPING
	DIRECTION ARROW
	PIPE UP UNLESS OTHERWISE NOTED
	PIPE DROP UNLESS OTHERWISE NOTED
	TOP CONNECTION
	BOTTOM CONNECTION
	CAPPED OUTLET
	DROP OR RISE
	NEW CONNECTION
	PRE-ACTION VALVE
	MANUAL PULL STATION
	SUPERVISORY HORN (TAMPER SWITCH & LOW AIR ALARM)
	MULTITONE HORN/STROBE (COMMON TROUBLE)
	MULTITONE HORN/STROBE (WATER FLOW, SMOKE DETECTOR, MANUAL STATION &)
	SMOKE DETECTOR
	FIRE HOSE RACK (RISER DIAGRAM/ELEVATION)
	EXISTING FIRE HOSE RACK (RISER DIAGRAM/ELEVATION)
	EXISTING FIRE HOSE RACK (PLAN)
	EXISTING FLOOR CONTROL ASSEMBLY
	EXISTING FLOOR CONTROL ASSEMBLY
	EXISTING WATER FLOW DETECTOR
	EXISTING SHUT-OFF VALVE
	EXISTING NORMALLY CLOSED DRAIN VALVE
	EXISTING CHECK VALVE
	EXISTING O.S.&Y. VALVE
	EXISTING O.S.&Y. VALVE WITH TAMPER SWITCH
	EXISTING PRESSURE REDUCING VALVE (PRV)
	EXISTING PRE-ACTION VALVE
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING 3 WAY ROOF MANIFOLD
	EXISTING SIAMESE CONNECTION
	EXISTING SIAMESE CONNECTION
	EXISTING PRESSURE GAUGE (PG)
	EXISTING UNION
	EXISTING WATER-PROOF PIPE SLEEVE
	EXISTING PUMP
	POINT OF DISCONNECTION FROM EXISTING
	POINT OF NEW CONNECTION TO EXISTING
	SHEET KEYNOTE DESIGNATION
	HYDRAULIC CALCULATION NODE DESIGNATION

NOTES:

1. SYMBOLS AND ABBREVIATIONS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF WORK.

GENERAL NOTES

KEY PLAN

COLUMBIA

COLUMBIA UNIVERSITY

IRVING MEDICAL CENTER

155 White Plains Road

Tarrytown, NY 10591

700 Broadway

Suite 400

New York, NY 10019

United States

Tel 212.492.1400

Fax 212.492.1472

217 Pennsylvania Plaza

New York, NY 10001

United States

Tel 212.563.7400

450 7th Avenue

#1008

New York, NY 10123

United States

Tel 212.433.2326

901 Manchester Avenue

Moyland, PA 19065

United States

Tel 610.565.4607

DateDescription

Seal / Signature

Project Name

INTERVENTIONAL RADIOLOGY - TARRYTOWN

Project Number

12491.000

Description

SPRINKLER SCHEDULE, SYMBOLS, ABBREVIATIONS AND NOTES

Scale

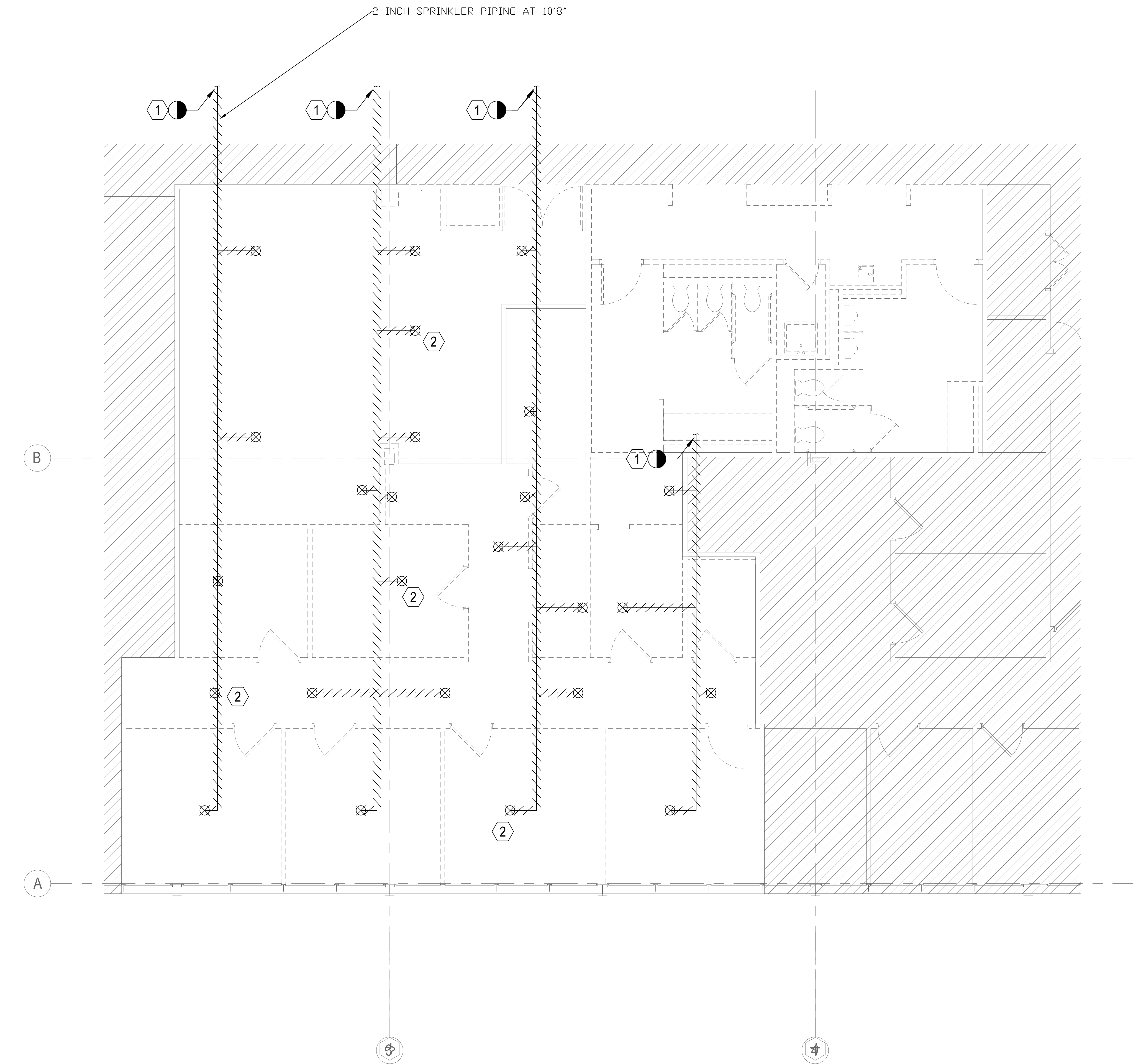
AS NOTED

SP-001.00

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 EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

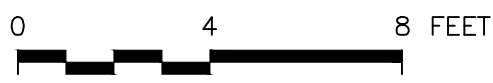
© 2021 Gensler



KEY NOTES	
①	DISCONNECT EXISTING SPRINKLER SYSTEM BACK TO MAIN IN CORRIDOR. CAP REMAINING PIPING DURING CONSTRUCTION.
②	EXISTING SP, 1"SP BRANCH, ARM-OVER, SUPPORTS AND RELATED APPURTENANCES SHALL BE REMOVED BACK TO 2-1/2" SP MAIN IN CORRIDOR. (TYP)

NOTES:
1. FIRE WATCH SHALL BE PROVIDED DURING SPRINKLER SYSTEM SHUTDOWN.

① LEVEL 01 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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 EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

GENERAL NOTES

COLUMBIA COLUMBIA UNIVERSITY IRVING MEDICAL CENTER

155 White Plains Road
Tarrytown, NY 10591

Gensler

700 Broadway
Suite 400
New York, NY 10019
United States

Tel 212.492.1400
Fax 212.492.1472

21 Pennsylvania Plaza
New York, NY 10001
United States

Tel 212.563.7400

THE HARMANGROUP

450 7th Avenue
#1008
New York, NY 10123
United States

Tel 212.433.2326

MER

901 Manchester Avenue
Moyland, PA 19065
United States

Tel 610.565.4607

KEY NOTES

△ Date Description

Seal / Signature

Project Name

INTERVENTIONAL
RADIOLOGY - TARRYTOWN

Project Number

12491.000

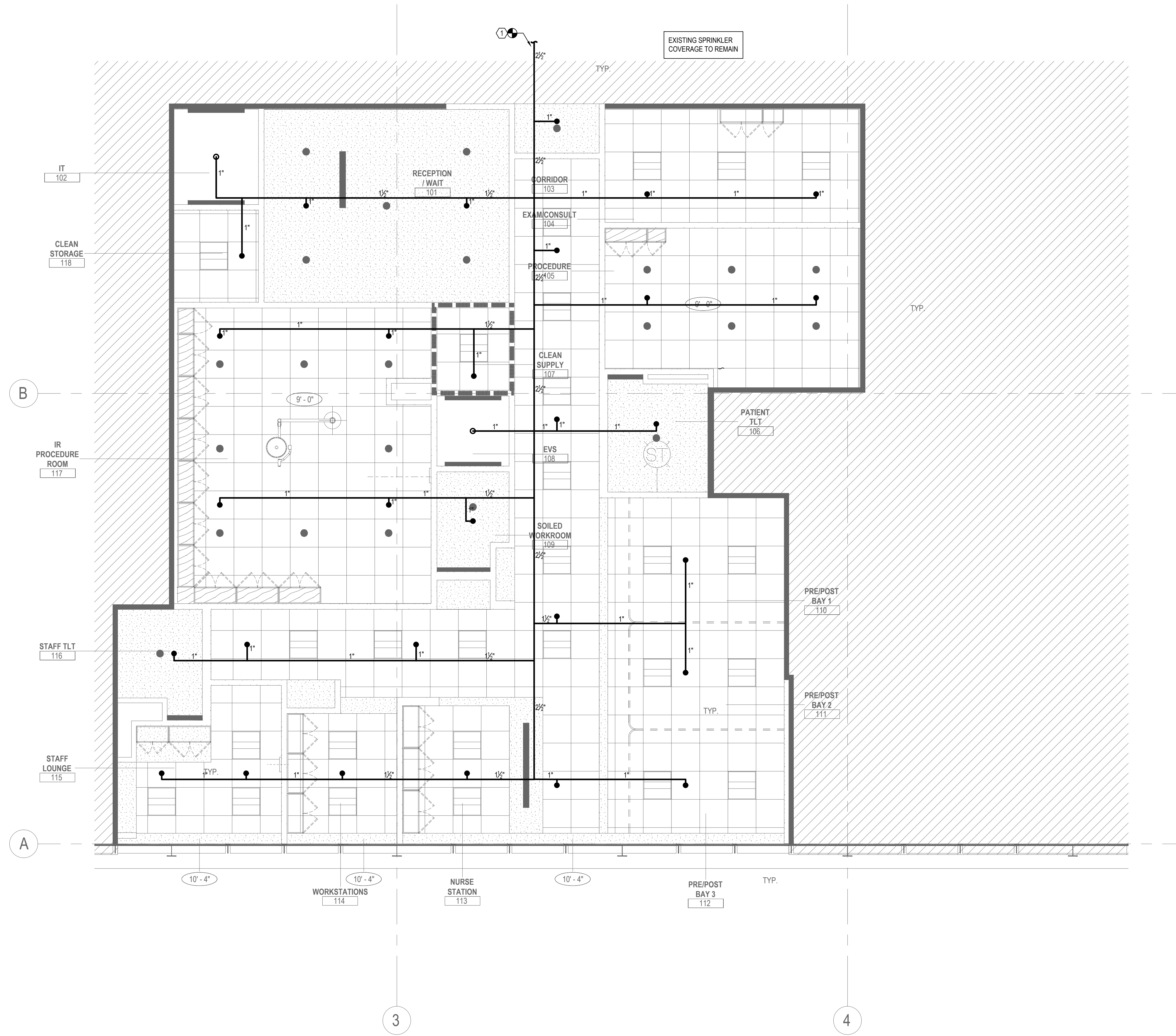
Description

SPRINKLER
LEVEL 01 DEMOLITION PLAN

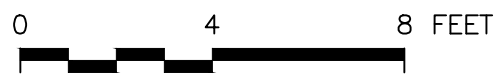
Scale

AS NOTED

SP-101.00



1 LEVEL 01 SPRINKLER PLAN
SCALE: 1/4" = 1'-0"



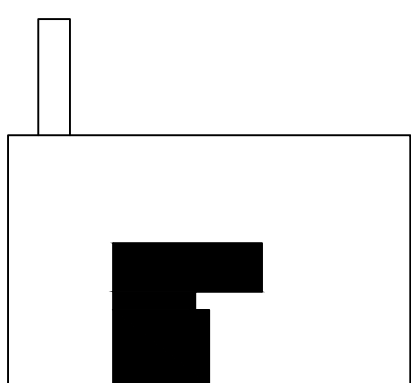
THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB NOW JOB#

GENERAL NOTES

KEY NOTES

KEY PLAN



155 White Plains Road
Tarrytown, NY 10591

700 Broadway
Suite 400
New York, NY 10019
United States

Tel 212.492.1400
Fax 212.492.1472

21 Pennsylvania Plaza
New York, NY 10001
United States

Tel 212.563.7400

450 7th Avenue
#1008
New York, NY 10123
United States

Tel 212.433.2326

901 Manchester Avenue
Moyland, PA 19065
United States

Tel 610.565.4607

Date	Description
Seal / Signature	
Project Name	INTERVENTIONAL RADIOLOGY - TARRYTOWN
Project Number	12491.000
Description	SPRINKLER LEVEL 01 PLAN
Scale	AS NOTED

SP-201.00