



*Exceeding Your Expectations*

**Lizardos**  
 Mechanical & Electrical Engineering  
 200 Old Country Road, Suite 670  
 Mineola, NY 11501  
 Phone: (516) 484-1020  
 Fax: (516) 484-0926  
 www.leapc.com

Key Plan

AREA OF WORK  
 2,715 SQ FT



Notes

Revision

DOB FILING		2023.10.16
DMH FILING		2022.10.04
Issued	By	Appd. YY.MM.DD

File Name:	7024.02-SP-101.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD
------------	--------------------	------	-------	-------	----------

Permit-Seal



Client/Project  
 RICHMOND UNIVERSITY MEDICAL CENTER  
 TRANSFORMATIONAL GRANT

669 CASTLETON AVENUE, STATEN ISLAND, NY  
 SECOND FLOOR PROPOSED RENOVATION

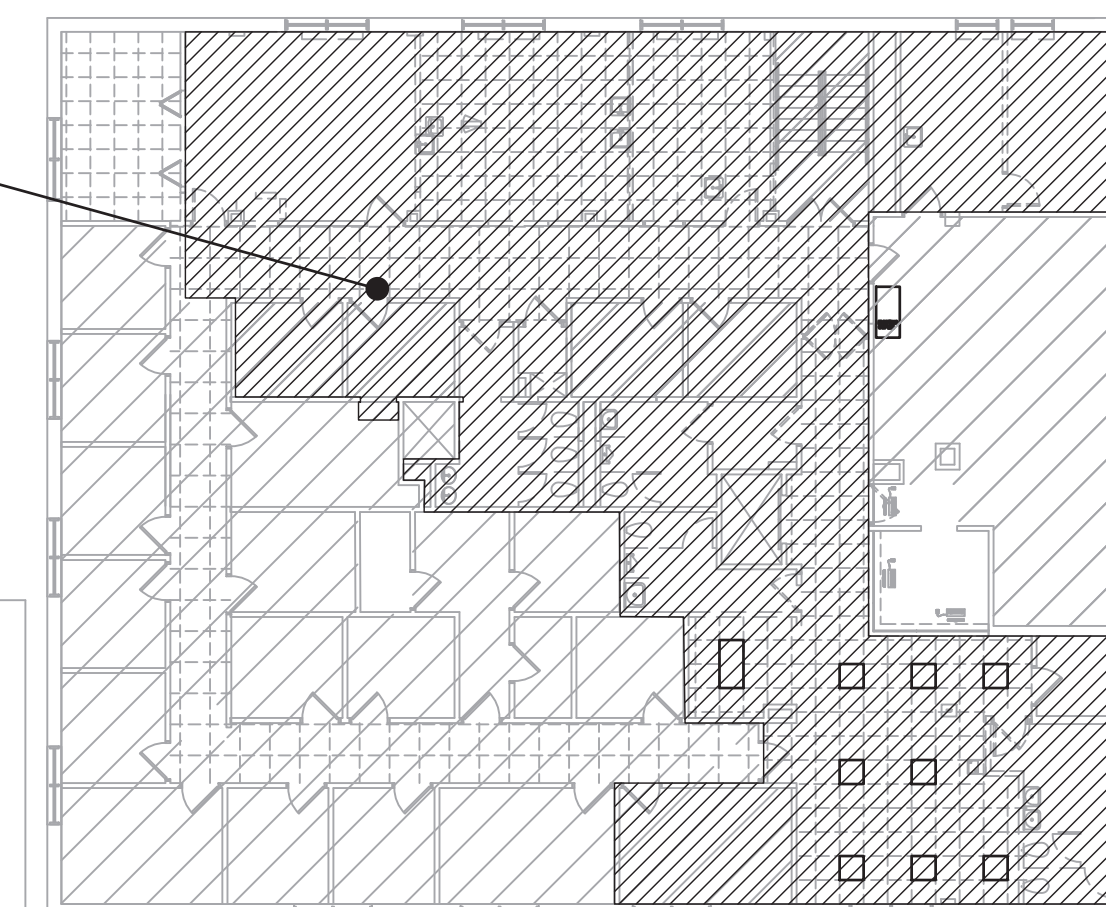
Title  
 SPRINKLER  
 SECOND FLOOR PLAN  
 - DEMOLITION

Project No.	Scale
7024.02	AS NOTED

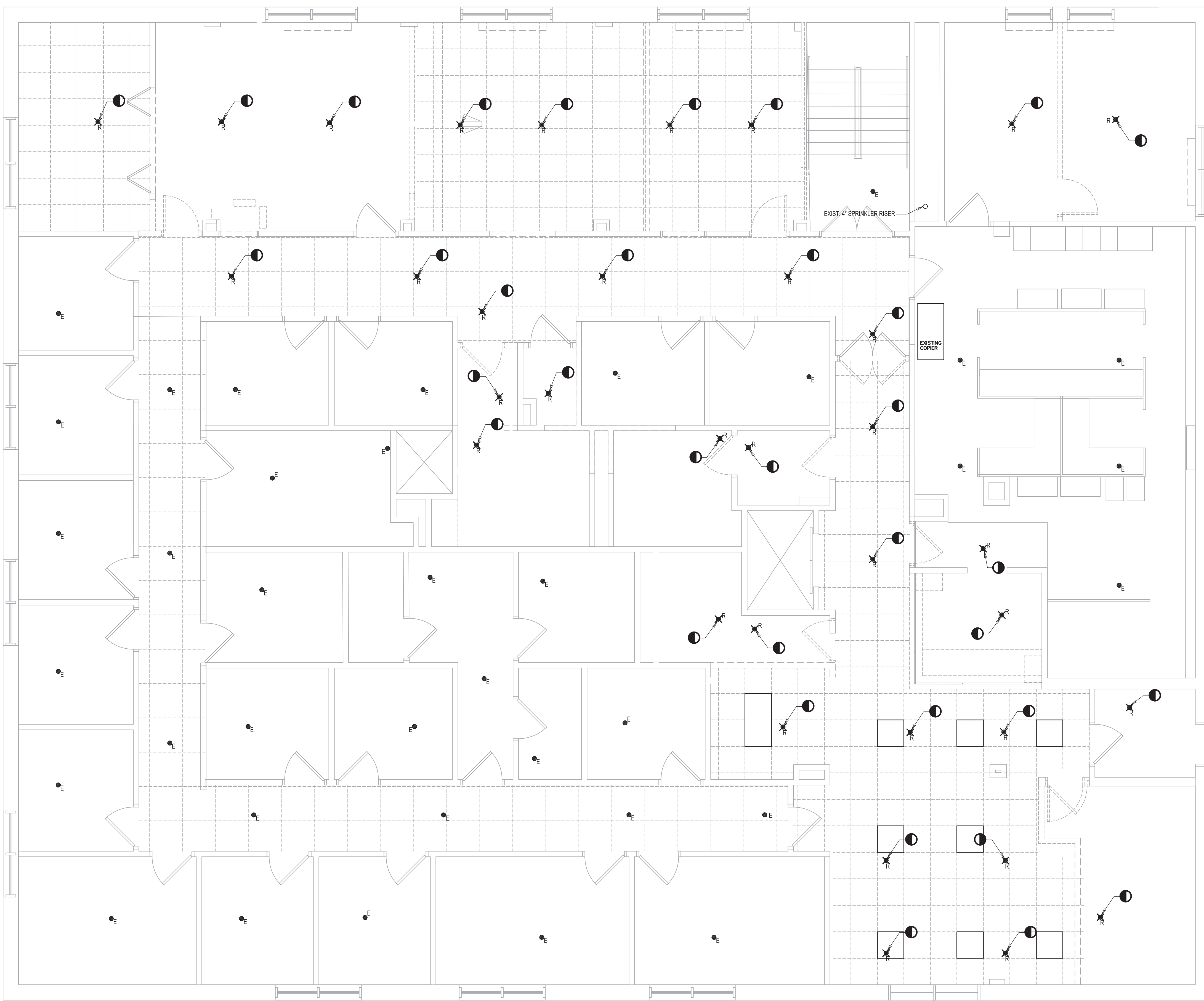
Drawing No.	Sheet	Revision
SP-101.00		

SP-101.00 2 of 5

AREA OF WORK



KEY PLAN  
 SCALE: 1/16" = 1'-0"



SECOND FLOOR PLAN - DEMOLITION  
 SCALE: 1/4" = 1'-0"

NEW YORK CITY BUILDING DEPARTMENT NOTE:  
 "THIS PLAN IS SUBMITTED FOR APPROVAL BY THE NEW YORK CITY BUILDING DEPARTMENT 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."

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

*Exceeding Your Expectations*  
**Lizardos**  
**Mechanical & Electrical Engineering**  
200 Old Country Road, Suite 670  
Mineola, NY 11501  
Phone: (516) 484-1020  
Fax: (516) 484-0926  
www.leapc.com

Key Plan



Notes

Revision			
By	Appd.	Date	Description

DOB FILING			2023.10.16	
OMH FILING			2022.10.04	
Issued	By	Appd.	YY.MM.DD	
File Name: 7024.02-SP-201.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project

RICHMOND UNIVERSITY MEDICAL CENTER  
TRANSFORMATIONAL GRANT

669 CASTLETON AVENUE, STATEN ISLAND, NY  
SECOND FLOOR PROPOSED RENOVATION

Title

SPRINKLER  
SECOND FLOOR PLAN  
- NEW WORK

Project No.	Scale
7024.02	AS NOTED

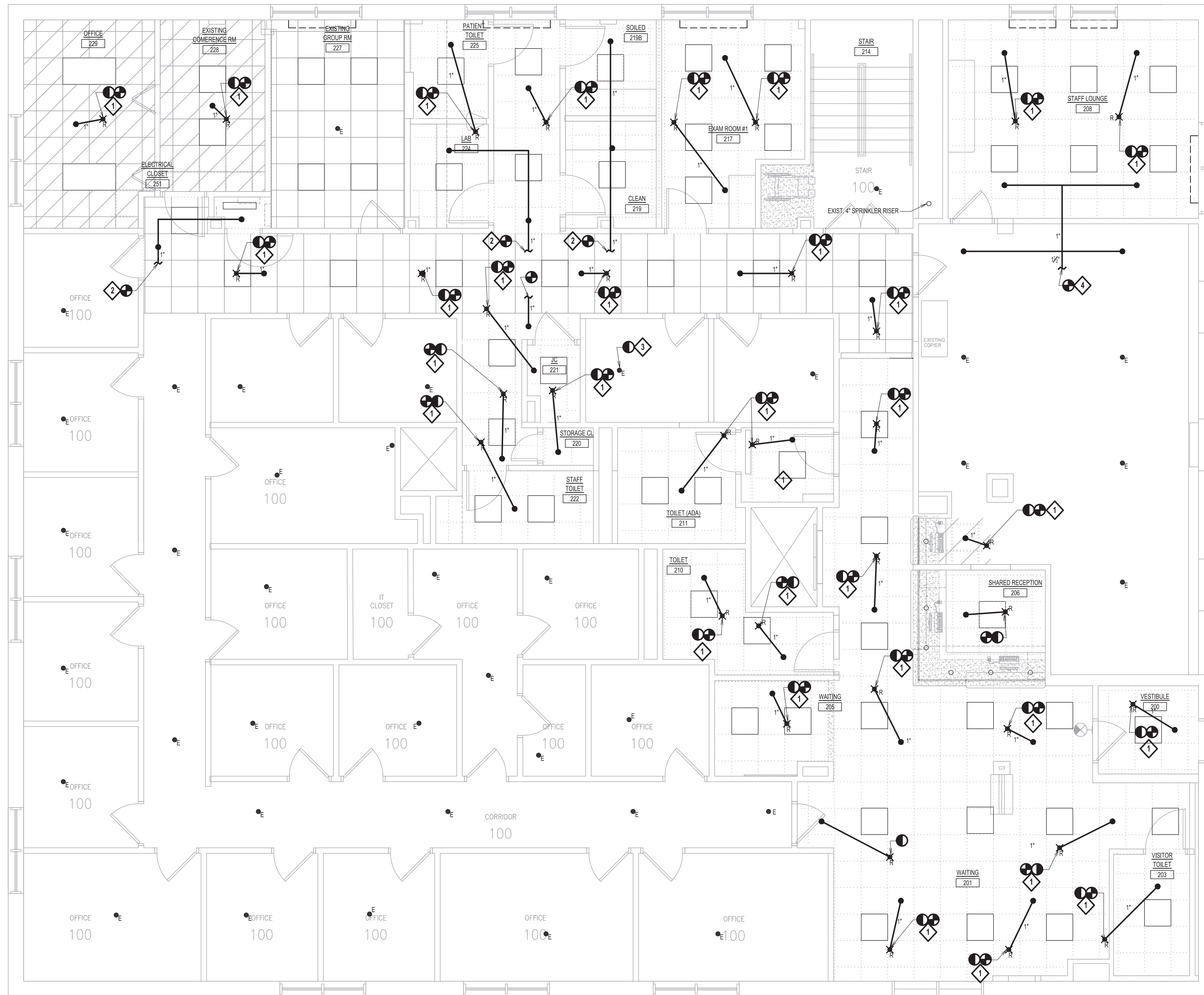
Drawing No.	Sheet	Revision
SP-201.00	3	of 5

NOTE:

- FOR SPRINKLER LEGENDS, NOTES, ABBREVIATIONS AND SCHEDULE SEE DRAWING SP-001.

KEY NOTES:

- DISCONNECT EXISTING SPRINKLER PIPE AND HEAD. CONNECT NEW 1" SPRINKLER PIPE AND EXTEND TO NEW SPRINKLER HEAD LOCATION. FOR ADDITIONAL INFORMATION SEE ARMORER DETAIL ON DRAWING SP-001.
- CONNECT NEW 1" SPRINKLER PIPE FROM EXISTING SPRINKLER MAIN. EXACT LOCATION TO BE FIELD VERIFIED.
- DISCONNECT AND REMOVE EXISTING SPRINKLER HEAD. CUT AND CAP EXISTING SPRINKLER PIPE ABOVE CEILING.
- CONNECT NEW 1/2" SPRINKLER PIPE FROM EXISTING SPRINKLER MAIN. EXACT LOCATION TO BE FIELD VERIFIED.



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

### SECOND FLOOR PLAN - NEW WORK

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

NEW YORK CITY BUILDING DEPARTMENT NOTE:

"THIS PLAN IS SUBMITTED FOR APPROVAL BY THE NEW YORK CITY BUILDING DEPARTMENT 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."



SPRINKLER SPECIFICATIONS:

A. GENERAL CONDITIONS

- A.1. WORK UNDER THIS CONTRACT SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, PLANT SERVICES AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE THE SPRINKLER WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
A.2. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE INSTALLATION FOR FINISHED WORK, TESTED AND READY FOR OPERATION. THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER UNDER THE DIRECTION OF AND TO THE SATISFACTION OF THE OWNER.
A.3. EACH CONTRACTOR MUST PROVIDE OWNER'S CONSTRUCTION REPRESENTATIVE WITH COPIES OF REQUIRED INSURANCE. COPIES TO BE FURNISHED TO THE OWNER BEFORE COMMENCING WORK.
A.4. THIS CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS IN ACCORDANCE WITH OSHA REQUIREMENTS.

B. WORK INCLUDED

- B.1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, INCIDENTALS AND SUPERVISION REQUIRED TO MODIFY THE EXISTING SPRINKLER SYSTEMS TO SUIT NEW CONSTRUCTION AND DEMOLITION. FINAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE INSURANCE COMPANY, NFPA SECTION 13, AND NYC BUILDING CODE FOR THE PROPOSED OCCUPANCY AND USE. WORK SHALL, IN GENERAL, BE AS SPECIFIED HEREIN, BUT SHALL NOT NECESSARILY BE LIMITED TO THE FOLLOWING:
B.1.a. CONTRACTOR SHALL PREPARE DETAILED WORKING DRAWINGS AND HYDRAULIC CALCULATIONS IMMEDIATELY AFTER AWARD OF CONTRACT AND SHALL HAVE SAME APPROVED BY LOCAL BUILDING DEPARTMENT, FIRE MARSHAL AND INSURANCE UNDERWRITERS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FILING AND OBTAINING PERMITS AND APPROVALS, AND PAYMENT OF ALL FEES. ALL DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.
B.1.b. ALL DEMOLITION, REMOVAL, RELOCATION, ALTERATION AND NEW WORK AS REQUIRED OR CALLED FOR IN SPECIFICATIONS OR INDICATED ON DRAWINGS.
B.1.c. MODIFYING EXISTING SPRINKLERS IN NEW AND EXISTING AREAS WHERE HUNG CEILING ARE TO BE INSTALLED OR REVISED.
B.1.d. MODIFICATION AND REARRANGEMENT OF EXISTING HEADS TO CONFORM TO NEW PARTITIONS, WALLS, EQUIPMENT, ETC., AS REQUIRED.
B.1.e. INSTALLATION OF HANGERS, SLEEVES, SUPPORTS, AND ACCESSORIES, AS REQUIRED.
B.1.f. MODIFICATION OF EXISTING SPRINKLER PIPING AS REQUIRED FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT AND/OR DUCTWORK.
B.1.g. PRIOR TO INSTALLING NEW PIPING AND FITTINGS, THE CONTRACTOR SHALL VERIFY THE EXISTING NEW PRESSURE LEVELS IN THE ZONE AND/OR FLOOR LEVEL THEY ARE WORKING IN SO TO INSTALL THE PROPER PRESSURE RATING OF THE NEW PIPE AND FITTINGS.
B.1.h. THE CONTRACTOR SHALL TEST THE NEW PIPING AND FITTINGS BASED ON THE REQUIREMENTS OF NFPA BASED ON THE OPERATING MAXIMUM PRESSURE IN THE ZONE AND/OR THE FLOOR LEVEL THEY ARE WORKING IN. IF THE NEW WORK IS INCREASING THE OPERATING PRESSURE IN THE ZONE AND/OR FLOOR OR IN THE ENTIRE BUILDING, ALL EXISTING SYSTEMS AFFECTED BY THE NEW INCREASED PRESSURE SHALL BE TESTING PER THE REQUIREMENTS OF NFPA TO SUIT THE NEW INCREASED PRESSURE.
B.1.i. THE PIPING AND COMPONENTS FOR A STANDARD OR NORMAL PRESSURE SYSTEM SHALL BE LISTED FOR A HIGH PRESSURE OR "IN EXCESS OF NORMAL PRESSURE" SYSTEM SHALL BE LISTED FOR 250 PSIG MINIMUM.

C. GENERAL REQUIREMENTS

C.1. GENERAL

- C.1.a. AFTER CAREFULLY STUDYING THE DRAWINGS AND SPECIFICATIONS, AND BEFORE SUBMITTING THEIR PROPOSAL, EACH BIDDER SHALL VISIT THE SITE TO ASCERTAIN CONDITIONS OF THE SITE, AND THE NATURE AND EXACT QUANTITY OF WORK TO BE PERFORMED. NO EXTRA WILL BE ALLOWED IF THE CONTRACTOR FAILS TO EXAMINE THE SITE, OR HAVING EXAMINED THE SITE, THE CONTRACTOR FAILS TO NOTIFY THE OWNER IN WRITING OF ANY DISCREPANCIES THAT HE MAY HAVE NOTED BETWEEN THE EXISTING CONDITIONS, AND DRAWINGS AND SPECIFICATIONS.
C.1.b. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS OF HIS OWN OR OTHERS AT THE SITE, AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME AS RELATED TO HIS WORK.
C.1.c. CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS WHO FURNISH AND INSTALL WORK IN CONNECTION WITH THE WORK OF THIS PROJECT. GIVE THEM COMPLETE DATA AS TO HIS REQUIREMENTS, AND NOTIFY OWNER OF ANY CONDITION THAT WILL INTERFERE WITH PROPER COMPLETION OF THIS WORK. COOPERATE IN THE SCHEDULING OF THIS WORK WITH THE WORK OF OTHER CONTRACTS SO AS NOT TO DELAY JOB PROGRESS.
C.1.d. THE WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE TO AVOID UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILING OR OTHER SURFACES. WHERE SUCH WORK IS NECESSARY, HOWEVER, THE WORK SHALL BE CAREFULLY DONE. ANY DAMAGE TO THE BUILDING OR EQUIPMENT SHALL BE PATCHED AND/OR REPAIRED IN AN APPROVED MANNER BY SKILLED MECHANICS AT NO ADDITIONAL COST TO THE OWNER.
C.2. CODES, REGULATIONS AND STANDARDS
C.2.a. ALL WORK SHALL BE DONE ACCORDING TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND SHALL RECEIVE THE APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION. PREPARE ALL REQUIRED DOCUMENTS AND DRAWINGS, PERFORM ALL REQUIRED TESTS AND PAY ALL REQUIRED CHARGES TO OBTAIN THESE APPROVALS.
C.2.b. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND NYC BUILDING CODES, NFPA 13, OWNER'S INSURANCE UNDERWRITER AND ANY OTHER AGENCIES HAVING JURISDICTION.
C.3. SECURITY
C.3.a. OBEY ALL SECURITY REGULATIONS ESTABLISHED BY THE OWNER, AND ABIDE BY ALL BUILDING RULES AND REGULATIONS. OWNER'S APPROVAL SHALL BE OBTAINED BEFORE ENTERING SECURED AREAS OF THE BUILDING.

C.4. CLEANING

- C.4.a. MAINTAIN ALL AREAS, UNDER CONTRACTOR'S CONTROL, FREE OF EXTRANEOUS DEBRIS.
C.4.b. SCHEDULE REGULAR COLLECTION AND DISPOSAL OF DEBRIS DAILY AND MORE FREQUENTLY IF NECESSARY.

D. SPECIAL REQUIREMENTS

- D.1. CLEARANCES AND COOPERATION OF OTHER TRADES
D.1.a. CONTRACTOR SHALL COOPERATE WITH CONTRACTORS WHOSE WORK IS CONTIGUOUS IN ORDER TO AVOID FIELD INTERFERENCES. REDUCTION IN HEADROOM, INACCESSIBILITY, UNSATISFACTORY OR DEFECTIVE WORK, NEEDLESS CUTTING AND PATCHING AND DELAY IN EXECUTION OF THE WORK OF ALL TRADES.
D.1.b. MAINS AND BRANCHES, AS WELL AS HEADS, MUST BE LOCATED TO CLEAR LIGHTING FIXTURES, DIFFUSERS, DUCTWORK, ETC. THE SPRINKLER CONTRACTOR SHALL COOPERATE WITH OTHER TRADES SO THAT THERE WILL BE NO INTERFERENCE. NEW MAINS AND BRANCHES SHALL BE RUN AS TIGHT TO STRUCTURAL STEEL AS POSSIBLE. ARRANGEMENT SHALL BE SUCH THAT MAXIMUM HEADROOM MINIMUM INTERFERENCE WITH THE FUNCTION OF THE BUILDING SHALL BE ACHIEVED.
D.2. CUTTING AND PATCHING
D.2.a. ALL CUTTING, DRILLING, ROUGH AND FINISH PATCHING REQUIRED FOR THE WORK SHALL BE PROVIDED BY THE CONTRACTOR.
D.2.b. ALL CUTTING, DRILLING OR OTHER CONSTRUCTION OPERATIONS WHICH CREATE EXCESSIVE NOISE OR VIBRATION SHALL BE SCHEDULED WITH THE OWNER. CONTRACTOR SHALL PAY FOR ANY OVERTIME WORK REQUIRED.
D.2.c. CUTTING OF WALLS SHALL BE DONE AS APPROVED BY THE OWNER IN A CAREFUL MANNER, WITH CORE DRILLS, SO AS NOT TO SERIOUSLY IMPAIR THE APPEARANCE OR STRENGTH OF THE STRUCTURE.
D.2.d. PROVIDE ALL DRILLING AND PATCHING FOR EXPANSION BOLTS, HANGERS AND OTHER SUPPORTS FOR PROPER AND SAFE INSTALLATION OF THE WORK.
D.3. MAINTENANCE OF EXISTING FACILITIES AND CONDUCT OF THE WORK
D.3.a. THE BUILDING WILL BE OCCUPIED AND IN OPERATION DURING THE PROGRESS OF THE WORK. WHEN NECESSARY TO TEMPORARILY HALT BUILDING EGRESS OR FLOW OF PERSONNEL TRAFFIC, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED ROUTINE OF THE BUILDING.
D.3.b. NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S WRITTEN PERMISSION.
D.3.c. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING BUILDING UTILITIES OR SERVICE SYSTEMS, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON.
D.3.d. BEFORE SHUTTING-OFF A SECTION OF THE FIRE SERVICE SYSTEM TO MAKE SPRINKLER SYSTEM CONNECTIONS, NOTIFY THE AUTHORITY HAVING JURISDICTION, PLAN THE WORK CAREFULLY, AND ASSEMBLE ALL MATERIALS TO ENABLE COMPLETION IN THE SHORTEST POSSIBLE TIME. WORK STARTED ON CONNECTIONS SHALL BE RUSHED TO COMPLETION WITHOUT INTERRUPTION, AND PROTECTION RESTORED AS PROMPTLY AS POSSIBLE. DURING THE IMPAIRMENT, PROVIDE EMERGENCY HOSE LINES, ADDITIONAL FIRE PAILS AND EXTINGUISHERS, AND MAINTAIN EXTRA WATCH SERVICE IN THE AREAS AFFECTED.
D.3.e. WHEN CHANGES INVOLVE SHUTTING-OFF WATER FROM ANY CONSIDERABLE NUMBER OF SPRINKLERS FOR MORE THAN A FEW HOURS, TEMPORARY WATER SUPPLY CONNECTIONS SHALL BE MADE TO SPRINKLER SYSTEMS SO THAT REASONABLE PROTECTION CAN BE MAINTAINED. IN ADDING TO OLD SYSTEMS OR REVAMPING THEM, PROTECTION SHALL BE RESTORED EACH NIGHT. NOTIFY THE MEMBERS OF THE PRIVATE FIRE BRIGADE AS WELL AS THE PUBLIC FIRE DEPARTMENT AS TO PRESENT CONDITIONS.

D.4. SCAFFOLDING, RIGGING AND HOISTING

- D.4.a. PROVIDE, ERECT, MAINTAIN AND BE RESPONSIBLE FOR THE SAFE AND LEGAL USE OF ALL SCAFFOLDING, HOISTING AND RIGGING. ALSO, PROVIDE ADDITIONAL BRACING AND SERVICES REQUIRED FOR THE DELIVERY OR ERECTION OF THE EQUIPMENT AND CONSTRUCTION MATERIALS PROVIDED OR INSTALLED UNDER THIS CONTRACT.

D.5. SUBMITTALS

- D.5.a. SHOP DRAWINGS
D.5.a.1. SUBMIT ONE SEPIA AND THREE PRINTS OF SYSTEM FABRICATION DRAWINGS AND HYDRAULIC CALCULATIONS. PLANS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.
D.5.a.2. SUBMIT SIX COPIES OF MANUFACTURER'S SUBMITTAL SHEETS OR CATALOG CUTS.
D.5.b. AS-BUILT DRAWINGS
D.5.b.1. PROVIDE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS COVERING EVERY ASPECT OF THE WORK. THE COMPLETE SET SHALL INCLUDE A SET OF MYLARS OR QUALITY SEPIAS CAPABLE OF PRODUCING QUALITY PRINTS, AND TWO FULL SETS OF ALL AS-BUILT DRAWINGS.
D.5.b.2. FURNISH COPIES OF INSURANCE COMPANY AND BUILDING DEPARTMENT APPROVED PLANS AND CALCULATIONS.

E. PIPING SYSTEMS, ACCESSORIES, SUPPORTS, SLEEVES

- E.1. INSTALL ALL EQUIPMENT AND PIPING SYSTEMS USING THE BEST STANDARD PRACTICES OF THE TRADE AND LEAVE SYSTEM COMPONENTS COMPLETE AND READY FOR OPERATION, UNLESS OTHERWISE NOTED, SPECIFIED OR INDICATED, ALL PIPING AND EQUIPMENT SHALL BE CONNECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED DETAILS AND AS APPROVED BY THE OWNER.

E.2. PROMPTLY INSTALL PIPING REQUIRED TO BE CONCEALED IN FLOOR, WALL OR CEILING CONSTRUCTION TO NOT CAUSE DELAY TO OTHER WORK, AND TO ALLOW AMPLE TIME FOR NECESSARY TASKS AND APPROVALS.

E.3. MODIFY PIPING ARRANGEMENTS AS NECESSARY TO SUIT CONDITIONS IN THE BUILDING, AND TO PERMIT ACCESS TO EQUIPMENT AND ACCESSORIES.

E.4. PIPING INSTALLATION

- E.4.a. WHERE SPRINKLER PIPING IS SHOWN TO BE REMOVED, PLUG EXISTING FITTING AT BRANCH/MAIN TO REMAIN.
E.4.b. SPRINKLER WORK SHALL BE CLOSELY COORDINATED WITH EXISTING AND NEW DUCTWORK, DIFFUSERS, VAV BOXES AND LIGHTING FIXTURES; MODIFICATIONS IN LAYOUT NEEDED TO ACHIEVE SAME SHALL BE WITHOUT EXTRA CHARGE TO OWNER.
E.4.c. ALL SPRINKLER HEADS SHALL BE CENTERED IN CEILING PANELS UNLESS OTHERWISE INDICATED.
E.4.d. ALL SPRINKLER PIPING IN HUNG CEILING AREAS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
E.4.e. PROVIDE SLEEVES AND ESCUTCHEONS WHERE LINES GO THROUGH FLOORS, WALLS AND CEILINGS. PROVIDE FIRE STOPPING AT RATED WALLS AND PARTITIONS.
E.4.f. FABRICATE AND INSTALL HANGERS AND SUPPORTS IN COMPLIANCE WITH NFPA 13, CHAPTER 3-15 AND LOCAL CODES.

F. MATERIALS:

- F.1. ALL MATERIALS REQUIRED FOR THIS WORK SHALL BE CODE APPROVED, NEW, UNUSED, BEST OF ITS RESPECTIVE KINDS, FREE FROM DEFECTS AND OF FIRST CLASS QUALITY. BASIS OF QUALITY SHALL BE THE LATEST STANDARDS OF ASTM, ANSI FEDERAL SPECIFICATIONS, NFPA 13 OR OTHER ACCEPTABLE STANDARDS.
F.2. CEILING MOUNTED CONCEALED SPRINKLER HEADS TO BE VICTAULIC MODEL "3802" OR EQUAL MANUFACTURER.
F.3. SPRINKLER AND FIRE STANDPIPE PIPING FOR WET SYSTEM SHALL BE SCHEDULE 40 BLACK STEEL, CLASS 150 MALLEABLE IRON FITTINGS FOR PRESSURE ZONES ABOVE 175 PSI, RATED @ 300 PSI @150 DEGREES WATER, OIL, GAS, ASTM B16.3.
F.4. SPRINKLER FITTINGS SHALL BE FIRELOCK GROOVED WITH FIRELOCK EZ RIGID COUPLINGS OR APPROVED EQUAL. FITTINGS AND COUPLINGS SHALL MEET ASTM A-536, GRADE 65-45-12 WITH WORKING PRESSURE OF 350 PSI. COUPLINGS SHALL BE APPROVED FOR 365 PSI, GASKET SHALL BE GRADE "E" EPDM.
F.5. OS&Y VALVE SHALL BE VICTAULIC GATE VALVE MODEL "771" OR APPROVED EQUAL. VALVE SHALL MEET ASTM A-128-B, WITH WORKING PRESSURE OF 250 PSI. PROVIDE TAMPER SWITCH SYSTEM SENSOR MODEL OSY2 SUPERVISORY SWITCH.
F.6. PROVIDE VICTAULIC FIRE LOCK ZONE CONTROL MODULE MODEL No. 747M OR EQUAL MANUFACTURER. MODULE INCLUDES TEST AND DRAIN VALVE, FM APPROVED, FLOW SWITCH AND PRESSURE GAUGE.
F.7. MECHANICAL TEES ARE NOT PERMITTED TO BE USED, INSTALL MECHANICAL GROOVED COUPLINGS AND FITTINGS FOR SIZES 2-1/2" AND LARGER AND SCREWED PIPE FITTINGS FOR PIPING 2" AND SMALLER.

G. TESTING

- G.1. PERFORM ALL REQUIRED TESTS AND OBTAIN FINAL CERTIFICATES OF INSPECTION AND APPROVAL FROM INSURANCE UNDERWRITERS AND LOCAL BUILDING DEPARTMENT.
G.2. THE CONTRACTOR SHALL TEST THE NEW PIPING AND FITTINGS BASED ON THE REQUIREMENTS OF NFPA BASED ON THE OPERATING MAXIMUM PRESSURE IN THE ZONE AND/OR THE FLOOR LEVEL THEY ARE WORKING IN. IF THE NEW WORK IS INCREASING THE OPERATING PRESSURE IN THE ZONE AND/OR FLOOR OR IN THE ENTIRE BUILDING, ALL EXISTING SYSTEMS AFFECTED BY THE NEW INCREASED PRESSURE SHALL BE TESTING PER THE REQUIREMENTS OF NFPA TO SUIT THE NEW INCREASED PRESSURE.
G.3. TEST PIPING AND PROVE TIGHT FOR AT LEAST 1-HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF OWNER'S REPRESENTATIVE AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED. FOR PRESSURE ZONES OF 175 PSI OR LESS, TEST AT 200 PSI FOR 1 HOUR AND FOR PRESSURE ZONES IN EXCESS OF 175 PSI TEST AT 50 PSI ABOVE THE MAXIMUM OPERATING PRESSURE (SHUT-OFF HEAD) IN THAT ZONE OF WORK OR FLOOR.
G.4. TEST SPRINKLER AND FIRE STANDPIPE PIPING AS PER NFPA 13 AND NFPA 14.
G.5. HANGERS, SUPPORTS, ANCHORS AND SEALS SHALL CONFORM TO THE FOLLOWING STANDARDS:
G.5.a. PIPE SUPPORTS: ANSI B31.1, MSS SP-58, NFPA 13.
G.6. SUBMIT CONTRACTOR'S MATERIAL AND TEST CERTIFICATE.

H. GUARANTEES

- H.1. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK UNTIL ITS COMPLETION AND FINAL ACCEPTANCE, AND SHALL REPLACE ANY OF THE SAME WHICH MAY BE DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER.
H.2. SPRINKLER CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS INSTALLED BY THEM TO BE FREE FROM INHERENT DEFECTS, AND SHALL KEEP IN REPAIR AND REPLACE ANY DEFECTIVE MATERIALS OF WORKMANSHIP, FREE OF COST TO THE OWNER, FOR A PERIOD OF ONE YEAR AFTER COMPLETION.
H.3. ANY EQUIPMENT FOUND DEFECTIVE AT SUCH TESTING OR DURING THE GUARANTEE PERIOD SHALL BE REPLACED OR REPAIRED BY THIS CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE. ANY LABOR, MATERIAL, EQUIPMENT OR INSTRUMENT NECESSARY FOR SUCH REPAIR OR REPLACEMENT SHALL BE INCLUDED AND FREE OF CHARGE.

2. SPRINKLER HEADS

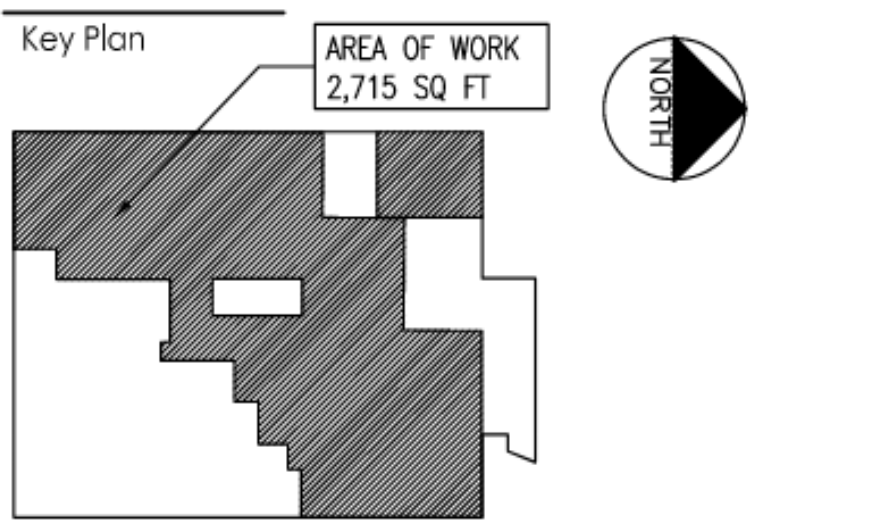
- a. FLUSH SPRINKLER HEADS
RELIABLE MODEL G5-56 QUICK RESPONSE, SIN RA3415, FM APPROVED AND UL LISTED, ADJUSTABLE TYPE. HEADS SHALL BE 1/2" STANDARD ORIFICE WITH 1/2" NPT THREAD, 165 DEG. TEMPERATURE RATING.



Stantec Consulting Services Inc.
135 Engineers Road, Suite 200
Houppauge, N.Y. 11788-4008
Tel. 631.424.8600
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants



Notes

Table with columns for Revision, By, Appd., YF.AMM.DD, Date, and File Name (7024.02-SP-401.dwg). Includes a permit seal area at the bottom.



Client/Project: RICHMOND UNIVERSITY MEDICAL CENTER TRANSFORMATIONAL GRANT
669 CASTLETON AVENUE, STATEN ISLAND, NY
SECOND FLOOR PROPOSED RENOVATION

Title: SPRINKLER SPECIFICATIONS

Project No. 7024.02 Scale AS NOTED
Drawing No. Sheet Revision

PROJECT: 7024.02 | FLOOR: ARELLANO | PLOT: 10/12/2023 5:45 PM | FILENAME: 7024.02-SP-401.dwg