

1 SPRINKLER 1ST FLOOR TEMPORARY PROTECTION PLAN  
SCALE: 1/8" = 1'-0"



- SPRIKLER KEY NOTES:**
- 1 PROVIDE 2 1/2" OS&Y VALVE WITH TAMPER SWITCH ABOVE CEILING FOR CONNECTION TO NEW SPRINKLER SYSTEM IN PHASE 1. ONCE PHASE 1 SPRINKLER SYSTEM IS OPERATIONAL THE TEMP SPRINKLERS CAN BE REMOVED
  - 1A PROVIDE 2 1/2" OS&Y VALVE WITH TAMPER SWITCH ABOVE CEILING FOR CONNECTION TO NEW SPRINKLER SYSTEM IN PHASE 2.
  - 2 CONNECT TO 2 1/2" OS&Y VALVE WITH TAMPER SWITCH ABOVE CEILING INSTALLED DURING PHASE 1 FOR CONNECTION TO TEMP SPRINKLER SYSTEM FOR PHASE 2. ONCE PHASE 2 SPRINKLER SYSTEM IS INSTALLED AND TESTED CONTRACTOR TO TIE INTO OS&Y VALVE ABOVE THE CEILING AND THE TEMP SPRINKLERS CAN BE REMOVED
  - 3 CONNECT TO 2 1/2" OS&Y VALVE WITH TAMPER SWITCH ABOVE CEILING INSTALLED DURING PHASE 2 FOR CONNECTION TO TEMP SPRINKLER SYSTEM FOR PHASE 3. ONCE PHASE 3 SPRINKLER SYSTEM IS INSTALLED AND TESTED CONTRACTOR TO TIE INTO OS&Y VALVE ABOVE THE CEILING AND THE TEMP SPRINKLERS CAN BE REMOVED

- SPRINKLER GENERAL NOTES:**
- 1. COORDINATE ALL SHUTDOWNS WITH BUILDING MANAGEMENT PRIOR TO COMMENCEMENT OF WORK.
  - 2. COORDINATE WITH ARCHITECTURAL PHASING AND OVERTIME REQUIREMENTS FOR CONSTRUCTION, AS REQUIRED.
  - 3. ALL SPRINKLER OUTSIDE OF THIS PROJECT SCOPE OF WORK AREA, SHALL REMAIN ACTIVE. ALL SP PIPING WHICH SUPPLIES OUTSIDE THE AREA OF WORK SHALL REMAIN.
  - 4. THE NEW ULTRASUITE CLEAN CEILING SYSTEM SHALL BE PROVIDED BY CM AND INSTALLED BY OTHERS. THE SYSTEM SHALL BE EQUIPPED WITH LAMINAR FLOW DIFFUSERS, HEPA FILTERS, LIGHTING, ETC. REFER TO THE ARCHITECTURAL DRAWINGS FOR DETAILS. SPRINKLER CONTRACTOR TO COORDINATE ALL SPRINKLER PIPING AT CEILING WITH THE ULTRASUITE CLEAN CEILING SYSTEM.



no.	date	description
3	05/23/2023	Issued for 100% CD's
2	04/28/2023	Issued for 50% CD's
1	03/31/2023	DD Review Set

Client Name:

**RICHMOND UNIVERSITY  
MEDICAL CENTER**

Project Name & Location:

BI-PLANE EP LAB  
355 BARD AVENUE  
STATEN ISLAND NY

Drawing Title:

**SPRINKLER  
1ST FLOOR TEMPORARY  
PROTECTION PLAN**

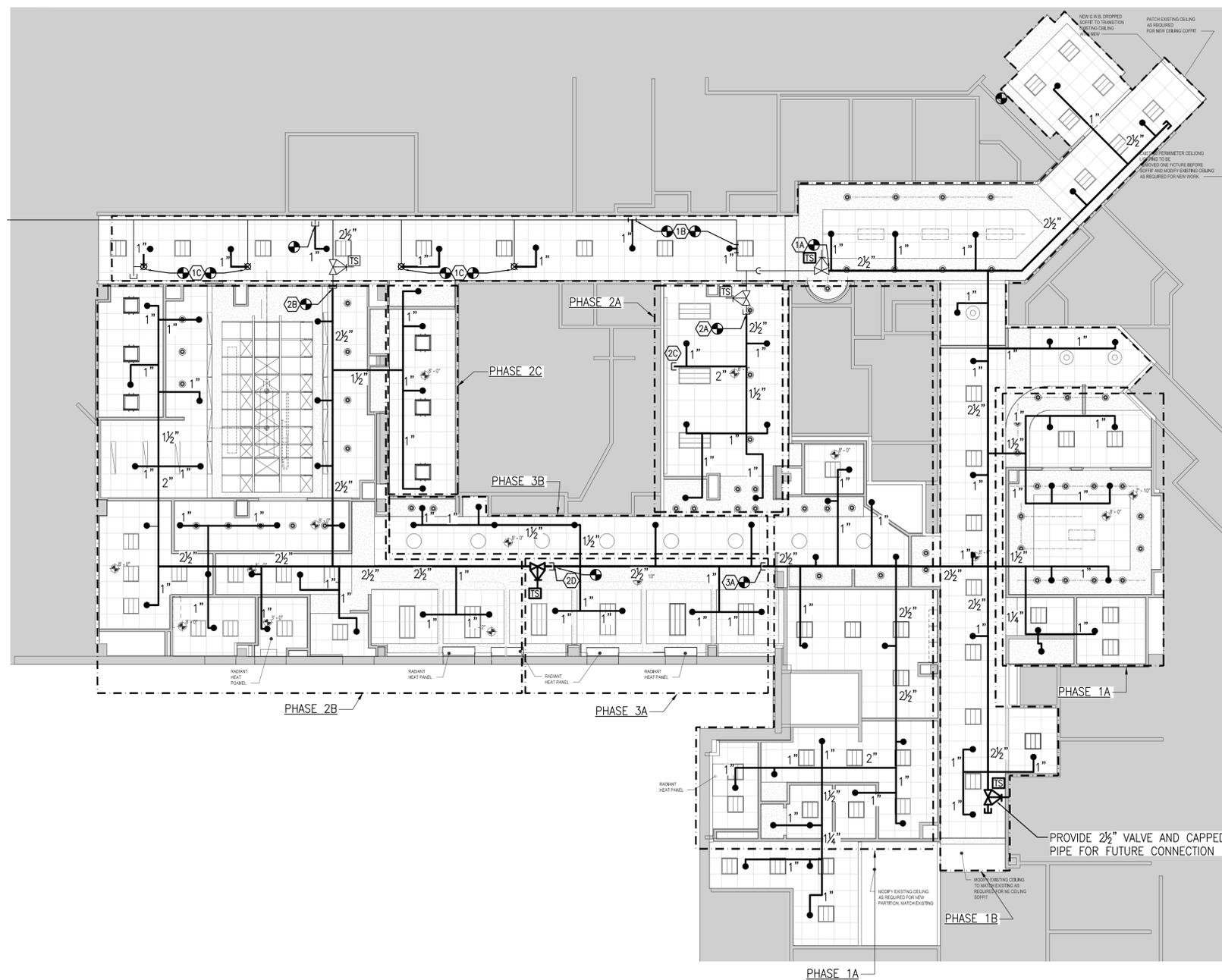
Drawn By:	Date:
LP	05/23/2023
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LP	AS NOTED

Issued To, For:  
**CONSTRUCTION DOCUMENTS**

File No.: R2000

Drawing No.:  
**SP-201.00**

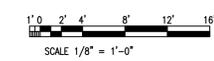
THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



- SPRINKLER KEY NOTES:**
- (1A) CONNECT NEW 2 1/2" SP. PIPE TO 2 1/2" SP OS&Y VALVE INSTALLED DURING TEMP SPRINKLER PHASE.
  - (1B) CUT AND CONNECT NEW 1" SP PIPE TO EXISTING 2 1/2" SP PIPE
  - (1C) REMOVE EXISTING SPRINKLER HEAD AND REPLACE WITH NEW SPRINKLER HEAD, CONTRACTOR TO OFFSET PIPING AS REQUIRED FOR NEW RCP
  - (2A) CONNECT NEW 2 1/2" SP. PIPE TO 2 1/2" SP CAPPED OUTLET
  - (2B) ONCE PHASE 2 SPRINKLER SYSTEM IS INSTALLED AND TESTED CONTRACTOR TO TIE INTO OS&Y VALVE ABOVE THE CEILING AND THE TEMP SPRINKLERS CAN BE REMOVED
  - (2C) PROVIDE CAPPED 2" SP OUTLET FOR FUTURE CONNECTION
  - (2D) PROVIDE 2 1/2" OS&Y VALVE WITH TAMPER SWITCH ABOVE CEILING DURING PHASE 2 FOR CONNECTION TO TEMP SPRINKLER SYSTEM FOR PHASE 3. ONCE PHASE 3 SPRINKLER SYSTEM IS INSTALLED AND TESTED CONTRACTOR TO TIE INTO OS&Y VALVE ABOVE THE CEILING AND THE TEMP SPRINKLERS CAN BE REMOVED

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CONSTRUCTION PLAN**

Drawn By: LP	Date: 05/23/2023
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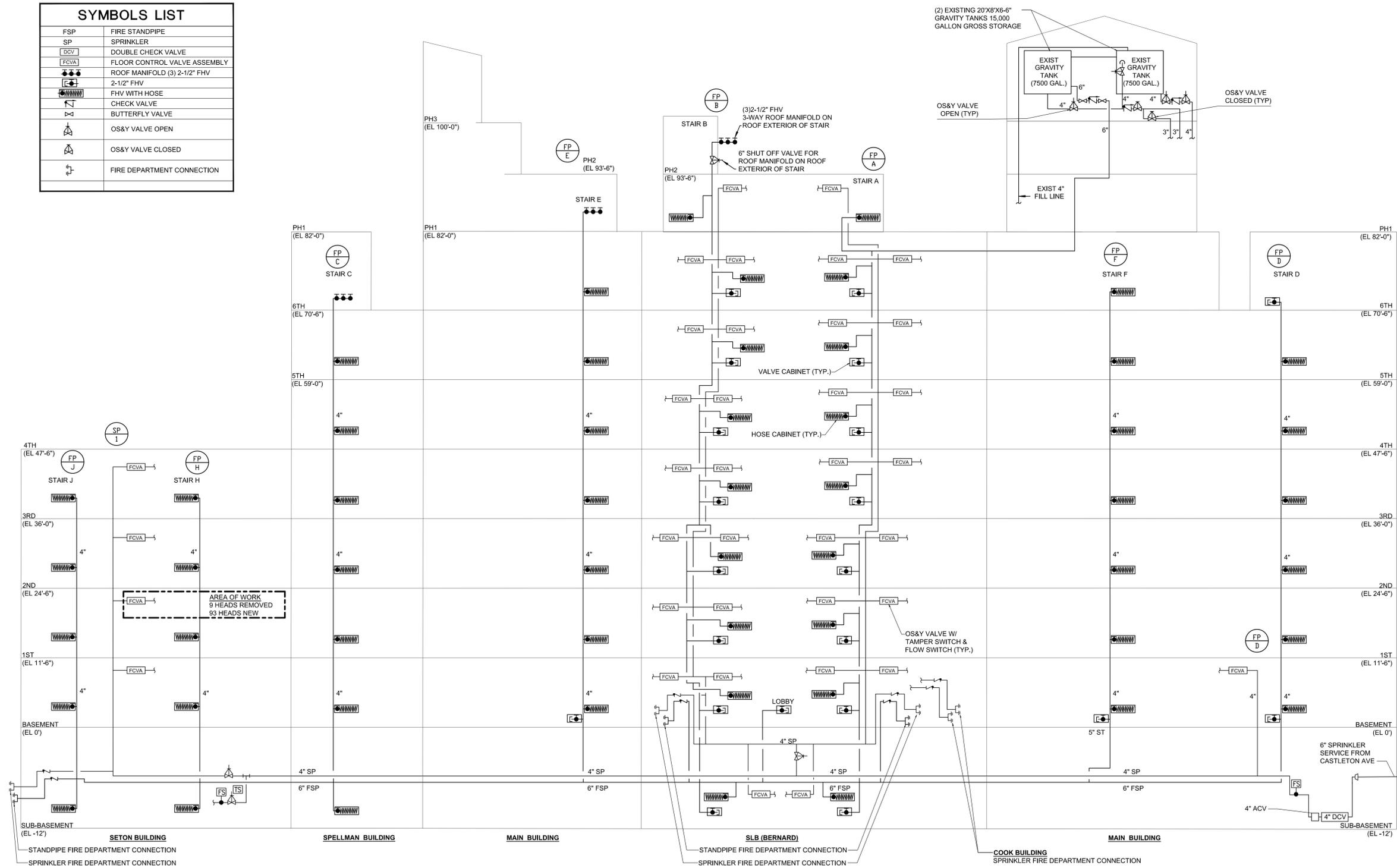
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SYMBOLS LIST	
FSP	FIRE STANDPIPE
SP	SPRINKLER
DCV	DOUBLE CHECK VALVE
FCVA	FLOOR CONTROL VALVE ASSEMBLY
(3) 2-1/2" FHV	ROOF MANIFOLD (3) 2-1/2" FHV
2-1/2" FHV	2-1/2" FHV
FHV WITH HOSE	FHV WITH HOSE
CHECK VALVE	CHECK VALVE
BUTTERFLY VALVE	BUTTERFLY VALVE
OS&Y VALVE OPEN	OS&Y VALVE OPEN
OS&Y VALVE CLOSED	OS&Y VALVE CLOSED
FIRE DEPARTMENT CONNECTION	FIRE DEPARTMENT CONNECTION



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no.	date	description
3	05/23/2023	Issued for 100% CD's
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Client Name:  
**RICHMOND UNIVERSITY  
MEDICAL CENTER**

Project Name & Location:  
BI-PLANE EP LAB  
355 BARD AVENUE  
STATEN ISLAND NY

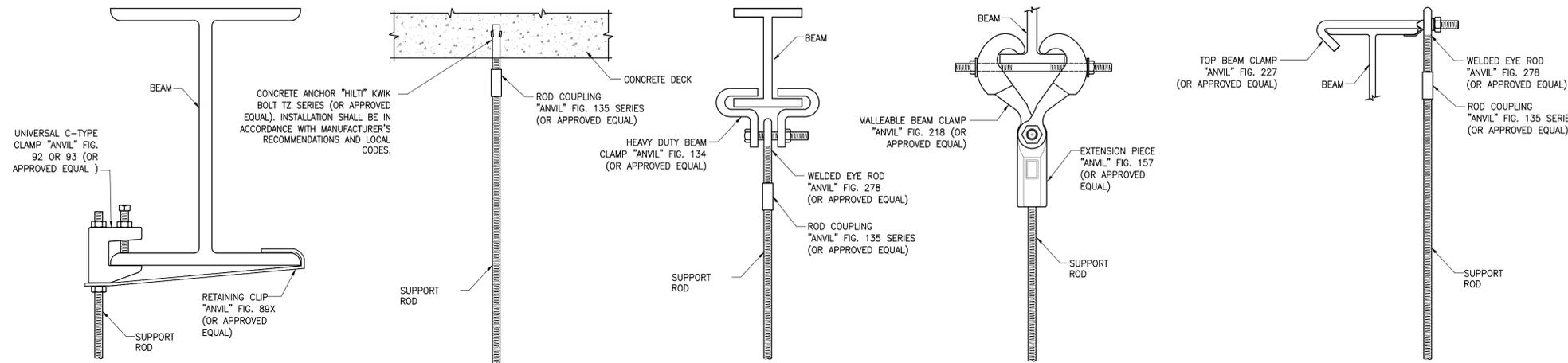
Drawing Title:  
**SPRINKLER  
RISER DIAGRAM**

Drawn By: LP Date: 05/23/2023  
Checked By: LP Scale: NO SCALE  
Issued To, For: CONSTRUCTION DOCUMENTS

File No.: R2000  
Drawing No.: **SP-301.00** 6 OF 9

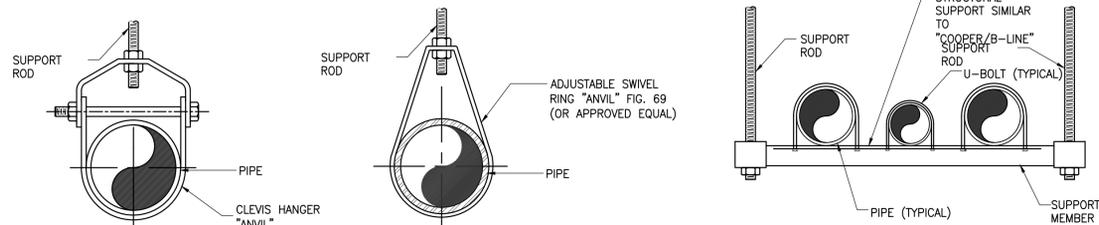
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C-TYPE CLAMP WITH RETAINING CLIP      CONCRETE ANCHOR      BEAM CLAMP      MALLEABLE BEAM CLAMP      TOP BEAM CLAMP

METHODS OF ATTACHMENT



CLEVIS HANGER      ADJUSTABLE SWIVEL RING      TRAPEZE SUPPORT

TYPES OF HANGERS  
NOT TO SCALE

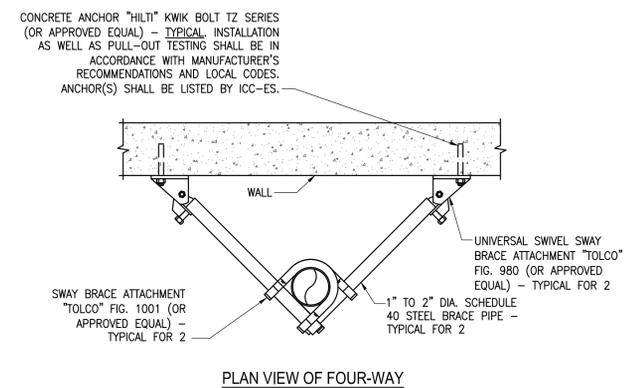
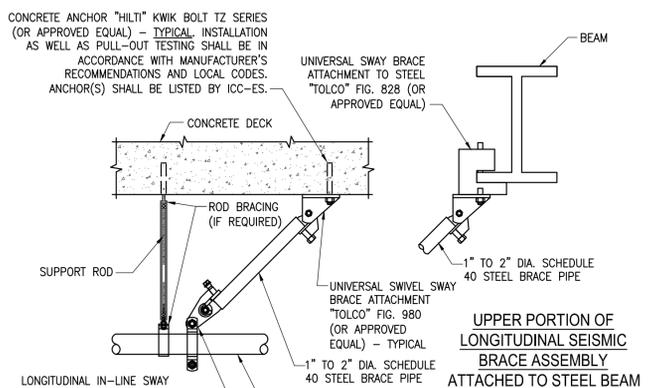
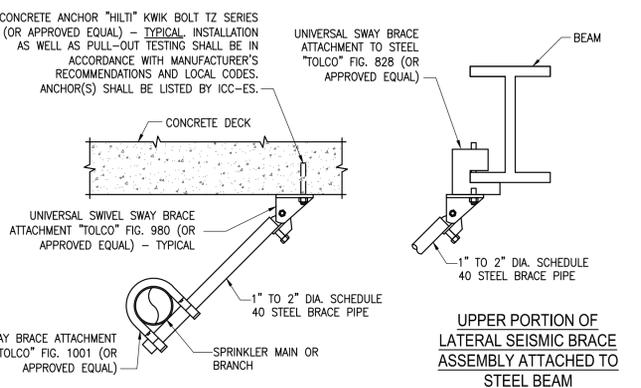
PIPE MATERIAL	NOMINAL PIPE SIZE									
	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
STEEL	12	12	12	12	12	12	15	15	15	15
COPPER	8	10	10	12	12	12	15	15	15	15

**\*NOTE FOR TERRACOTTA CONSTRUCTION:**  
MAXIMUM SPACING OF ANCHORS (HANGERS) SHALL BE 4FT. ON CENTER FOR LOADING OR SPACING CONDITIONS CONSULT STRUCTURAL ENGINEER. ANCHOR SHALL NOT BE INSTALLED IN DAMAGED TILES OR WITHIN 3" OF THE EDGE OF A TILE. INSTALL ANCHOR AT CENTER OF CELL.

NOMINAL PIPE SIZE	ROD SIZE
1"-4"	3/8"
5", 6", 8"	1/2"
10", 12"	5/8"

- NOTES:**
- GENERAL CONTRACTOR AND TRADE SUBCONTRACTOR SHALL REVIEW SITE CONDITIONS WITH PROPERTY OWNER AND/OR STRUCTURAL ENGINEER AS WELL AS MANUFACTURER'S REPRESENTATIVE TO FINALIZE APPROPRIATE ANCHORING AND HANGER DESIGN.
  - PULL-OUT TESTING FOR CONCRETE AND TERRACOTTA INSERT/ANCHORS SHALL BE AS PER LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. SUBMIT RESULTS OF PULL-OUT TESTS TO STRUCTURAL ENGINEER FOR APPROVAL. SUBMIT PROOF OF ANCHOR'S ICC-ES LISTING TO ENGINEER FOR REVIEW.
  - WHEN HANGER ROD COUPLINGS ARE REQUIRED, THEY SHALL BE LISTED. PROVIDE "ANVIL" FIG. 136 (OR APPROVED EQUAL).
  - HANGER AND SUPPORT ASSEMBLIES SHALL BE IN ACCORDANCE WITH APPLICABLE VERSION OF NFPA-13.

210529 PIPE HANGERS AND METHODS OF ATTACHMENT



- NOTES:**
- LATERAL SWAY BRACING SHALL BE PROVIDED ON ALL FEED AND CROSS MAINS REGARDLESS OF SIZE AND ALL BRANCH LINES AND OTHER PIPING 2 1/2" OR LARGER.
  - LATERAL SWAY BRACING IS NOT REQUIRED FOR PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 8" LONG MEASURED BETWEEN THE TOP OF PIPE AND POINT OF ATTACHMENT TO BUILDING STRUCTURE.
  - LATERAL SWAY BRACING SHALL BE SPACED AT A MAXIMUM OF 40 FEET ON CENTER IN ACCORDANCE WITH APPLICABLE VERSION OF NFPA-13.

- NOTES:**
- LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 80 FEET ON CENTER SHALL BE PROVIDED FOR FEED AND CROSS MAINS.
  - PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6" LONG MEASURED BETWEEN THE TOP OF PIPE AND POINT OF ATTACHMENT TO BUILDING STRUCTURE ARE NOT EXEMPT FROM LONGITUDINAL SWAY BRACING REQUIREMENTS.

**NOTE:**  
1. TOPS OF RISERS EXCEEDING 3'-0" IN LENGTH SHALL BE PROVIDED WITH A FOUR-WAY BRACE.

**NOTE:** CONTRACTOR SHALL PROVIDE SHOP DRAWINGS & CALCULATIONS FOR ALL SEISMIC SUPPORT ASSEMBLIES, SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE RETAINED BY THEM, FOR THE REVIEW & APPROVAL OF THE PROJECT STRUCTURAL ENGINEER, ENGINEER OF RECORD, AND OWNER. SEISMIC SUPPORT SYSTEMS SHALL COMPLY WITH APPLICABLE VERSION OF NFPA-13 REFERENCED BY LOCAL CODES.

210529 SEISMIC BRACE ASSEMBLIES

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3	05/23/2023	Issued for 100% CD's
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Client Name:  
**RICHMOND UNIVERSITY  
MEDICAL CENTER**  
  
Project Name & Location:  
**BI-PLANE EP LAB  
355 BARD AVENUE  
STATEN ISLAND NY**

Drawing Title:  
**SPRINKLER  
DETAILS SHEET 1**

Drawn By: LP      Date: 05/23/2023  
Checked By: LP      Scale: NO SCALE

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**CONSTRUCTION DOCUMENTS**

File No.: R2000  
Drawing No.: **SP-402.00**      8 OF 9

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SECTION 011000 - GENERAL REQUIREMENTS

- A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AIA DOCUMENT A201-2007, AND THIS SPECIFICATION ARE PART OF THIS CONTRACT.
B. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS, LOCAL CODES AND/OR AS SPECIFIED, WHICH EVER IS MOST STRINGENT.
C. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY SUCH VIOLATIONS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS.

SECTION 078413 - PENETRATION FIRESTOPPING

- A. PROVIDE UL-LISTED FIRE STOPPING ASSEMBLIES FOR PENETRATIONS IN ALL FIRE OR SMOKE RESISTANCE RATED WALLS, FLOORS, ROOFS, AND OTHER ASSEMBLIES.
B. USE FIRE STOPPING MATERIALS AND ASSEMBLIES THAT ARE UL LISTED AND HAVE A RATING EQUAL TO THE BARRIER OR ASSEMBLY WHICH IS PENETRATED.
C. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: a. HILTI, INC. b. RECTORSAL CORPORATION. c. 3M FIRE PROTECTION PRODUCTS.
D. PENETRATION FIRESTOPPING: RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF CONSTRUCTION PENETRATED.

SECTION 210500 - COMMON WORK REQUIREMENTS

- A. PIPING, FITTINGS AND VALVES:
1. REFER TO SCHEDULES ON DRAWINGS.
2. PROVIDE FLANGES AT ALL VALVES WHERE REQUIRED.
3. FITTINGS ON STANDPIPE SYSTEMS SHALL BE RATED AT 350 WWP.
4. REDUCERS AND INCREASERS SHALL BE TAPERED TYPE. BUSHINGS ARE NOT PERMITTED.
B. ALARM DEVICES
1. GENERAL: ALARM-DEVICE TYPES SHALL MATCH PIPING AND EQUIPMENT CONNECTIONS.

SECTION 210553 - IDENTIFICATION

- A. GENERAL:
1. PROVIDE TAGS ON VALVES AT THE BASE BUILDING MAIN AND RISER CONNECTION; INDICATE THE TENANTS NAME, SYSTEM TYPE, AND FLOOR SERVED.
2. PAINT AND LABEL ALL PIPING IN THE PROJECT AREA AS REQUIRED BY APPLICABLE VERSION OF NFPA-13 AND THE LOCAL AUTHORITY HAVING JURISDICTION.
B. MATERIALS
1. VALVE TAGS: METAL; RED BACKGROUND; BLACK LETTERING. FASTEN WITH BRASS HOOK OR CHAIN. COORDINATE WITH EXISTING BUILDING VALUE CHART.
2. PIPE LABELS: VINYL; SELF-ADHESIVE; COLOR PER ANSI STANDARDS; SETON OR EQUAL. RED BACKGROUND; WHITE LETTERING.

SECTION 211300 - SPRINKLER SYSTEMS

- A. GENERAL:
1. PROVIDE WORKMANSHIP OF HIGHEST GRADE. INSTALL ALL PIPING AND SPRINKLER HEADS IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATION AND LISTING, THE AUTHORITY HAVING JURISDICTION, APPLICABLE VERSION OF NFPA-13, OWNER'S INSURANCE UNDERWRITERS, AND LOCAL FIRE AND BUILDING CODES.
2. SHOP DRAWING SUBMITTALS:
a. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED IN STRICT ACCORDANCE WITH APPLICABLE VERSION OF NFPA-13, SUBMITTED, AND APPROVED PRIOR TO INSTALLATION, BY THE FIRE PROTECTION CONTRACTOR.

SECTION 210000 - FIRE PROTECTION GENERAL REQUIREMENTS

- A. GENERAL:
1. PROVIDE NEW PIPING AND SPRINKLERS AS INDICATED ON DRAWINGS AND SPECIFIED HEREIN. ALL SPRINKLER WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL CODES, APPLICABLE VERSION OF NFPA-13, AND ALL LOCAL AUTHORITIES.
2. CUTTING AND PATCHING SHALL BE INCLUDED.
B. UNIT PRICING AND ALLOWANCES:
1. THE CONTRACTOR SHALL PROVIDE UNIT PRICING FOR THE FOLLOWING:
a. EACH ADDITIONAL SPRINKLER HEAD.
b. ADJUSTMENT IN EACH SIZE UTILIZED IN THE PROJECT.
2. THE CONTRACTOR SHALL INCLUDE AN ALLOWANCE IN THEIR CONTRACT FOR THE INSTALLATION OF MATERIALS WHICH ARE NOT INDICATED ON THE CONTRACT DRAWINGS BUT WHICH MAY BE REQUIRED DUE TO UNFORESEEN FIELD CONDITIONS. THE AMOUNT OF THE ALLOWANCE SHALL INCLUDE:
a. SPRINKLER HEADS-5% OF TOTAL, BUT NOT LESS THAN 4 ADDITIONAL.
b. BRANCH PIPING-40 FT OF 1" PIPE, 1/4" OF 1 1/2" PIPE, INCLUDING ALL REQUIRED TIE-INS, FITTINGS, HANGERS, AND APPURTENANCES.

SECTION 210508 - TESTING, ADJUSTING, AND BALANCING

- A. GENERAL:
1. DEFECTS DISCLOSED BY THE TESTS SHALL BE REPAIRED OR REPLACED. TESTS SHALL BE REPEATED AS DIRECTED UNTIL ALL WORK IS PROVEN SATISFACTORY.
2. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO THE BUILDING AND ITS CONTENTS AS A RESULT OF SUCH TESTS. REPAIR ANY DAMAGE CAUSED.
B. MATERIALS: PROVIDE ALL MATERIALS AS REQUIRED TO PERFORM TESTING.
C. EXECUTION:
1. FIELD QUALITY CONTROL: PERFORM THE FOLLOWING FIELD TESTS AND INSPECTIONS AND PREPARE TEST REPORTS:
a. TEST ENTIRE SYSTEM PIPING HYDROSTATICALLY WITHOUT LEAKAGE IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LOCAL BUILDING CODE AND APPLICABLE VERSIONS OF NFPA-13, -14, -20, AND OTHER SECTIONS AS APPLICABLE.

SECTION 210548 - HANGERS, SUPPORTS, ANCHORS, AND GUIDES

- A. GENERAL:
1. EQUIPMENT AND PIPING: SECURE TO BUILDING STRUCTURE IN ACCORDANCE WITH ALL LOCAL CODE REQUIREMENTS AND ALL APPLICABLE LOADS, SUCH AS DEAD WEIGHT, DYNAMIC AND/OR THRUST LOADS.
2. BRACE FOR SEISMIC, WIND, AND/OR FLOOD LOADS IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
3. PROVIDE BRACING TO PREVENT SWAY FOR ALL PIPING LOWER THAN 6" BELOW SLAB OR STRUCTURAL ATTACHMENT, OR WHERE PIPING IS SUBJECT TO THRUST LOADING (BASE OF RISER, PUMP DISCHARGE, ETC.).
4. REFER TO DETAILS ON THE CONTRACT DRAWINGS FOR ADDITIONAL INFORMATION.
B. MATERIALS
1. SUPPORT MATERIALS: TO MATCH PIPING MATERIALS. PROVIDE COPPER PLATED SUPPORTS FOR COPPER PIPING.
2. PIPING, INSULATED: PROVIDE METAL PROTECTION SHIELDS ON HANGER, HANGERS TO BE INSTALLED OVER INSULATION AND SHIELDS.
3. INSERTS: EXPANSION SHIELD TYPE SUITABLE FOR USE WITH EXISTING CONCRETE STRUCTURE. EXPANSION SHIELDS SHALL NOT BE INSTALLED WITHIN THE EXISTING CONCRETE FIREPROOFING ON BEAMS.
4. EXPANSION ANCHORS:
a. PROVIDE SMOOTH WALL, NON-DRILLING INTERNAL PLUG EXPANSION TYPE ANCHORS CONSTRUCTED OF AISC 12L14 STEEL AND ZINC PLATED IN ACCORDANCE WITH FED. SPEC. Q0--325 TYPE 1, CLASS 3.
b. DO NOT EXCEED 1/4 OF AVERAGE VALUES FOR A SPECIFIC ANCHOR SIZE. USE 2000 PSIG (13,800 KPA) CONCRETE MAXIMUM WORKING LOADS.
c. PROVIDE SPACING AND INSTALL ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
d. EXPANSION ANCHORS SHALL BE U.L. LISTED, SIMILAR TO HILTI.
5. SEISMIC BRACING: TOLCO OR APPROVED EQUAL. SYSTEM SHALL BE CERTIFIED BY A LICENSED PROFESSIONAL SEISMIC OR STRUCTURAL ENGINEER. CONTRACTOR SHALL FURNISH SIGNED AND SEALED (BY PROFESSIONAL STRUCTURAL ENGINEER) SEISMIC SYSTEM SUBMITTAL TO ENGINEER.

- B. MATERIALS:
1. PRESSURE RATING: 175 PSIG OR AS REQUIRED BY SYSTEM PRESSURE.
2. PIPE: REFER TO SCHEDULE ON DRAWINGS.
a. MINIMUM SPRINKLER PIPE SIZE SHALL BE 1" DIAMETER.
3. FITTINGS: REFER TO SCHEDULE ON DRAWINGS.
a. REDUCERS: TAPERED TYPE FITTING. NO BUSHINGS PERMITTED.
b. CONNECTIONS TO EXISTING PIPING MAY BE MALLEABLE IRON OR DUCTILE IRON MECHANICAL T-OUTLETS, SIMILAR TO VICTAULIC STYLE 920.
c. PROVIDE FLANGES AT ALL VALVES AND WHERE REQUIRED.
4. SPRINKLER SPECIALTY FITTINGS:
a. SPRINKLER SPECIALTY FITTINGS: UL LISTED OR FMG APPROVED AND MADE OF MATERIALS COMPATIBLE WITH PIPE.
b. SPRINKLER SYSTEM CONTROL VALVES: REFER TO SCHEDULE ON DRAWINGS.
c. OUTLET SPECIALTY FITTINGS:
1) MANUFACTURERS: VICTAULIC COMPANY OF AMERICA
2) MECHANICAL TEE AND CROSS FITTINGS: UL 213, DUCTILE IRON HOUSING WITH GASKETS, BOLTS AND NUTS, AND THREADED LOCKING-LUG, OR GROOVED OUTLETS.
3) SNAP-ON AND STRAPLESS OUTLET FITTINGS: UL 213, DUCTILE IRON HOUSING OR CASTING WITH GASKET AND THREADED OUTLET.

- 5. SPRINKLER HEADS:
a. REFER TO SCHEDULE ON DRAWINGS FOR MAKE AND MODELS.
b. PROVIDE A METAL CABINET CONTAINING A SPARE STOCK OF SPRINKLERS OF ALL INSTALLED RATINGS AND TYPES IN ACCORDANCE WITH APPLICABLE VERSION OF NFPA-13. FURNISH SPECIAL SPRINKLER HEAD WRENCHES. CABINET SHALL BE WALL MOUNTED WITH RED ENAMEL FINISH AND MARKED "AUTOMATIC SPRINKLERS - RESERVE SUPPLY". CABINETS SHALL ALSO CONTAIN INSTRUCTIONS AND OTHER NECESSARY INFORMATION ATTACHED ON THE INSIDE OF THE CABINET DOOR.
C. EXECUTION:
1. PROVIDE WITH WIRE GUARDS FOR EXPOSED PENDENT HEADS IN STORAGE ROOMS, MER'S, AND SIMILAR AREAS OR WHERE INSTALLED BELOW 7'-0" AFF OR OTHERWISE SUBJECT TO MECHANICAL DAMAGE.
2. ALL PENDENT TYPE SPRINKLER HEADS SHALL BE PLACED IN CENTER OF TILE.
3. FOR EXACT LOCATION OF SPRINKLER HEADS SEE ARCHITECTURAL DRAWINGS. COORDINATE LOCATION OF SPRINKLERS WITH ARCHITECT.
4. JOINT CONSTRUCTION:
a. THREADED JOINTS: IN COMPLIANCE WITH NFPA-13 FOR PIPE THICKNESS AND THREADS. DO NOT THREAD PIPE WITH WALL THICKNESS LESS THAN SCH 40.
b. GROOVED JOINTS: ASSEMBLE JOINTS WITH LISTED COUPLING AND GASKET, LUBRICANT, AND BOLTS. ROLL-GROOVE PIPING AS INDICATED. USE GROOVED-END FITTINGS AND RIGID, GROOVED END PIPE COUPLINGS UNLESS OTHERWISE INDICATED.
c. DRY-PIPE OR PRE-ACTION SYSTEMS: USE FITTINGS AND GASKETS LISTED FOR DRY PIPE SERVICE.
5. DO NOT INSTALL PENDENT OR SIDEWALL, WET-TYPE SPRINKLERS IN AREAS SUBJECT TO FREEZING. USE DRY-TYPE SPRINKLERS WITH WATER SUPPLY FROM HEATED SPACE.
6. FLUSH, TEST, AND INSPECT SPRINKLER SYSTEMS ACCORDING TO LOCAL CODES AND APPLICABLE VERSION OF NFPA-13.
7. CLEAN DIRT AND DEBRIS FROM SPRINKLERS. REMOVE AND REPLACE SPRINKLERS WITH PAINT OTHER THAN FACTORY FINISH. PROTECT SPRINKLERS FROM DAMAGE UNTIL SUBSTANTIAL COMPLETION.

- 1. THE CONTRACTOR SHALL PROVIDE SUPPORTS AND SEISMIC RESTRAINING SYSTEMS FOR EQUIPMENT AND PIPING INSTALLED AS PART OF THIS CONTRACT AS REQUIRED BY LOCAL CODE, APPLICABLE VERSION OF NFPA-13, AND THE BUILDING STANDARDS. SEISMIC RESTRAINING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE AND ALL SECTIONS OF THE SPECIFICATION.
2. SEISMIC PERFORMANCE: FIRE-SUPPRESSION PIPING SHALL BE CAPABLE OF WITHSTANDING THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ALL CODE REQUIREMENTS AND APPLICABLE VERSION OF NFPA-13.
3. INSTALL ALL HANGERS, SUPPORTS IN ACCORDANCE WITH THE BUILDING STANDARDS. INSTALLATION OF NEW HANGERS SHALL BE DRILLED, NOT CHOPPED.
4. IN TERRA COTTA SLAB, REUSE APPROVED EXISTING HANGERS WHERE POSSIBLE. WHERE ADDITIONAL HANGERS ARE REQUIRED, PROVIDE AN ADHESIVE ANCHOR SYSTEM SIMILAR TO HILTI. ANCHORING METHOD SUBJECT TO BUILDING OWNERSHIP APPROVAL. ALL ANCHORS SHALL BE SUBJECT TO PULL-OUT AND SUSTAINABLE LOAD TESTS. THESE TESTS ARE SUBJECT TO STRUCTURAL ENGINEER'S AND BUILDING OWNERSHIP APPROVAL.
5. PROVIDE 12" HIGH CONCRETE BASE FOR FIRE PUMPS.

SCHUNKEWITZ ARCHITECTURE INTERIORS PROJECT MANAGEMENT DANIEL SCHUNKEWITZ, ARCHITECT 1015 BENDERMEERE AVENUE WANANASSA NJ, 07712 917-848-2350 DS@DSAAHEALTHCARE.COM Seal & Signature

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Table with 3 columns: no., date, description. Row 1: 3, 05/23/2023, Issued for 100% CDs. Row 2: 2, 04/28/2023, Issued for 50% CDs. Row 3: 1, 03/31/2023, DD Review Set.

Table with 2 columns: Client Name, Project Name & Location. Client Name: RICHMOND UNIVERSITY MEDICAL CENTER. Project Name & Location: BI-PLANE EP LAB 355 BARD AVENUE STATEN ISLAND NY

Drawing Title: SPRINKLER SPECIFICATIONS Drawn By: LP Date: 05/23/2023 Checked By: LP Scale: NO SCALE Issued To, For: CONSTRUCTION DOCUMENTS

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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.

Filename: R2000 - R200-EP Lab Rev.dwg Project: R2000 - EP Lab Rev.dwg User: Luf-Pink Rev: 02/23/2023 15:14