

**PARTITION RATING GRAPHICS:**

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS.

PARTITION RATING GRAPHIC DESIGNATION:	PRIORITY
	1 HIGHEST
	2
	3
	3
	4
	4
	4
	4
	5 LOWEST
	5 LOWEST

**FIRE SPRINKLER LEGEND**

●	PENDENT SPRINKLER
×	UPRIGHT SPRINKLER
⊗	UPRIGHT SPRINKLER WITH CAGE
◁	SEI WALL SPRINKLER

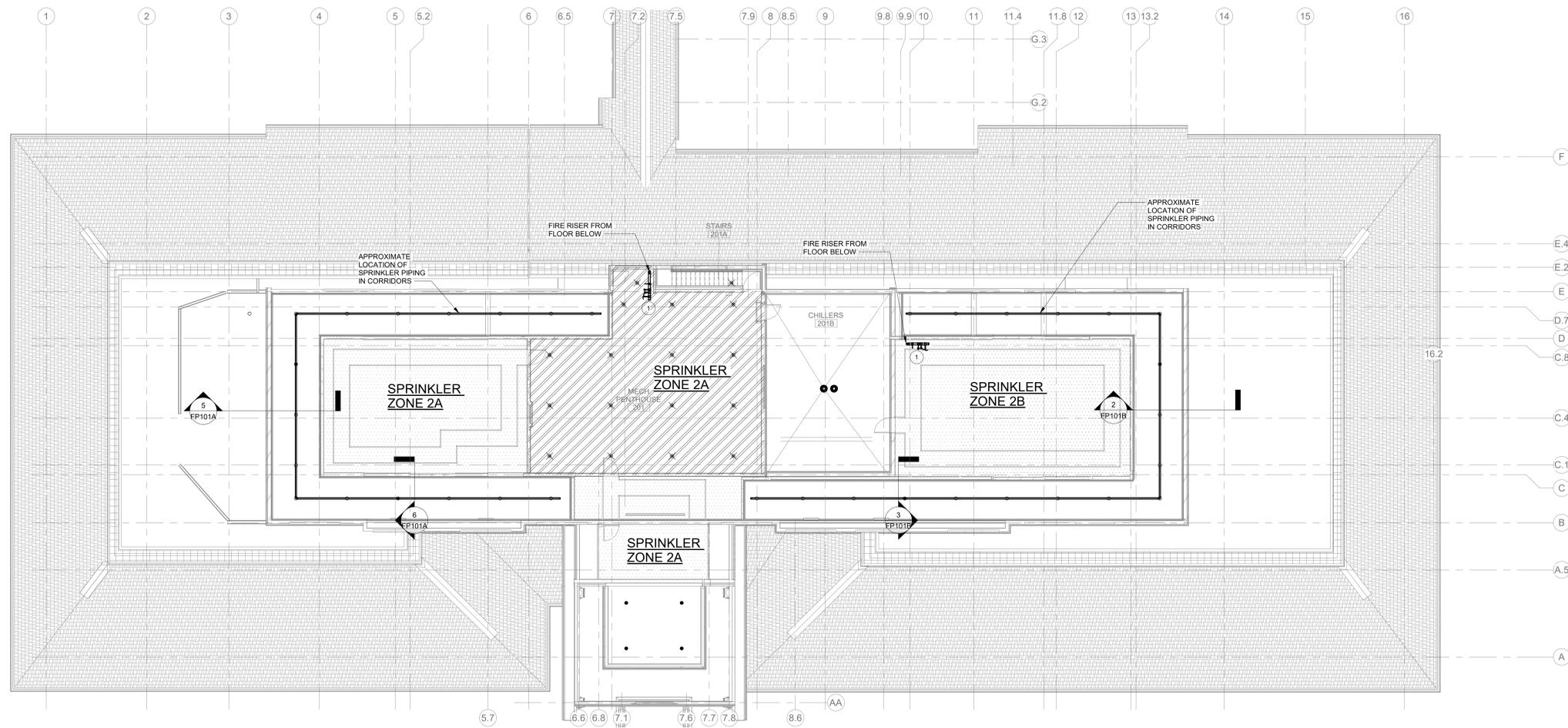
**FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA**

HAZARD SYMBOL	SPACE TYPE	HAZARD CLASSIFICATION	SYSTEM TYPE	DISCHARGE DENSITY	REMOTE AREA	MAXIMUM COVERAGE AREA PER SPRINKLER	MAXIMUM SPACING	WATER SUPPLY DURATION	OUTSIDE HOSE ALLOWANCE	TEMPERATURE CLASSIFICATION	SPRINKLER TYPE	NOTES
				GPM/FT²	FT²	FT²	FT.	MINUTES	GPM			
	GENERAL, EXCEPT AS LISTED BELOW	LIGHT HAZARD	WET PIPE	0.10	1,500	225	15	30	100	ORDINARY	SEMI-RECESSED PENDENT, QUICK RESPONSE, FACTORY MUTUAL APPROVED, UL LISTED	1
	STORAGE	ORDINARY HAZARD GROUP 2	WET PIPE	0.20	1,500	130	15	60-90	250	ORDINARY	SEMI-RECESSED PENDENT OR UPRIGHT, QUICK RESPONSE, FACTORY MUTUAL APPROVED, UL LISTED	1
	EQUIPMENT ROOM	ORDINARY HAZARD GROUP 1	WET PIPE	0.15	1,500	130	15	60-90	250	INTERMEDIATE	QUICK RESPONSE UPRIGHT, FACTORY MUTUAL APPROVED, UL LISTED	1
	HOUSEKEEPING CLOSET	ORDINARY HAZARD GROUP 1	WET PIPE	0.15	1,500	130	15	60-90	250	ORDINARY	PENDENT OR UPRIGHT, QUICK RESPONSE, FACTORY MUTUAL APPROVED, UL LISTED	1

**NOTES:**

- WATER DEMAND REQUIREMENTS ARE FOR HYDRAULIC CALCULATION METHOD. IF OTHER METHOD IS USED ADJUST VALUES ACCORDING TO NFPA 13 REQUIREMENTS.

- FIRE PROTECTION NOTES**
- MODIFY EXISTING SPRINKLER SYSTEM WITHIN THE LIMIT OF CONSTRUCTION AS INDICATED ON THE CONTRACT DRAWINGS FOR THIS PROJECT. PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLERS ARE INSTALLED. UNLESS OTHERWISE INDICATED EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT ARE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING AND WALL CONSTRUCTION.
  - THESE DOCUMENTS REPRESENT THE DESIGN INTENT AND COVERAGE AREA FOR THE FIRE SPRINKLER SYSTEM WITHIN THE PROJECT SCOPE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE FIRE SPRINKLER SYSTEM APPROVED PER NFPA AND BY THE AUTHORITY HAVING JURISDICTION. PROVIDE HYDRAULIC CALCULATIONS, SHOP DRAWINGS, AND ANY ADDITIONAL EQUIPMENT NECESSARY TO COMPLETE THE INSTALLATION AND COMPLY WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND CRITERIA.
  - ALL FIRE PROTECTION WORK SHALL MEET ALL THE REQUIREMENTS OF NFPA 13, 14, AND 101, VA FIRE PROTECTION DESIGN MANUAL, INTERNATIONAL BUILDING CODE 2018, AND APPLICABLE OSHA AND EPA REGULATIONS AND GUIDELINES. WHERE CONFLICTS BETWEEN CODE AND CONSTRUCTION DOCUMENTS OCCUR, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
  - THE CONTRACTOR SHALL SUBMIT A SEPARATE PERMIT APPLICATION AND PLANS FOR REVIEW ACCORDING TO NFPA 1 (2018 EDITION), SECTION 1.14.
  - A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE SHALL BE COMPLETED IN ACCORDANCE WITH NFPA 13 AND FORWARDED TO THE OWNER'S REPRESENTATIVE.
  - ALL MATERIAL SHALL BE OF APPROVED QUALITY AND THE WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER. THE WORK, MATERIALS AND TEST SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF NFPA 13, LATEST EDITION.
  - THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
  - MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOOR ASSEMBLIES. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL, IN ACCORDANCE WITH UL REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING. REFER TO ARCHITECTURAL DOCUMENTS FOR LOCATIONS OF SMOKE AND/OR FIRE RATED WALLS. REFER TO PENETRATION DETAILS FOR FIRE PROTECTION PIPING PENETRATIONS THROUGH RATED ASSEMBLIES.
  - PIPE HANGERS SHALL BE SPACED AND LOCATED ACCORDING TO NFPA 13.
  - ALL BRANCH LINES SERVING ONE SPRINKLER SHALL BE 1" MINIMUM, UNLESS OTHERWISE NOTED.
  - INSTALL ALL SPRINKLERS ACCORDING TO THEIR LISTINGS, SPACING, AND OBSTRUCTION REQUIREMENTS.
  - COORDINATE SPRINKLER HEAD TYPES AND LOCATIONS WITH ARCHITECTURAL FINISHES, CEILING, LIGHTING, DUCTS, PIPING, OTHER CEILING MOUNTED DEVICES, AND STRUCTURAL COMPONENTS.
  - LIGHT FIXTURES AND HVAC DIFFUSERS TAKE PRECEDENCE. ADD ADDITIONAL SPRINKLERS AT NO ADDITIONAL COST AND AS NECESSARY TO MEET COVERAGE REQUIREMENTS IN ACCORDANCE WITH NFPA 13.
  - INSTALL SPRINKLERS IN THE CENTER OF CEILING TILES WHEN POSSIBLE. PROVIDE RETURN BENDS AT ALL SPRINKLER LOCATIONS TO ALLOW FIELD ADJUSTMENT.
  - FOR MECHANICAL ROOMS, DETERMINE THE FINAL LOCATION OF SPRINKLERS AFTER EQUIPMENT AND DUCTWORK ARE INSTALLED. PROVIDE ADDITIONAL SPRINKLERS, IF NECESSARY, TO PROVIDE ADEQUATE COVERAGE IN ACCORDANCE WITH NFPA.
  - PROVIDE A UL LISTED SPRINKLER GUARD IN LOCATIONS WHERE SPRINKLERS ARE SUBJECT TO MECHANICAL DAMAGE, INCLUDING IN MECHANICAL ROOMS, ELECTRICAL ROOMS, STAIRWELL LANDINGS, ELEVATOR SHAFTS, AND ON ALL SPRINKLERS INSTALLED BELOW 7'-0" AFF.
  - PIPING: SPRINKLER PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE AND FITTINGS CONFORMING TO ASTM A53. MINIMUM SIZE IS ONE (1) INCH. SCHEDULE 10 MAY BE USED FOR 2 1/2" AND LARGER. DO NOT THREAD THROUGH PIPING.
  - PIPE SUPPORTS: PROVIDE HANGERS, CLAMPS, RODS AND OTHER ACCESSORIES OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.
  - SPRINKLERS SHALL BE FM APPROVED QUICK RESPONSE IN ALL AREAS EXCEPT WHERE SPECIFICALLY PROHIBITED, IN COMPLIANCE WITH VA GUIDELINES AND NFPA REQUIREMENTS.
  - SPRINKLERS SHALL BE 1/2" ORIFICE TYPE OF ORDINARY DEGREE RATING EXCEPT WHERE EXCESSIVE TEMPERATURES ARE ANTICIPATED. IN THESE LOCATIONS, PROVIDE HIGH TEMPERATURE SPRINKLERS INSTALLED IN ACCORDANCE WITH NFPA 13. PROVIDE QUICK RESPONSE SPRINKLERS IN LIGHT HAZARD AREAS.
  - PROVIDE AND MAINTAIN A MINIMUM OF 18 INCHES CLEARANCE BETWEEN THE BOTTOM OF THE SPRINKLER DEFLECTOR AND THE TOP OF STORAGE, FILES, ETC.
  - PAINT ALL EXPOSED FIRE SPRINKLER PIPING RED.



**HAZARD CLASSIFICATION**

HAZARD CLASSIFICATION	AREA
Equipment Room - Ordinary 1	3,875.08 SF
HAC - Ordinary 1	143.56 SF
Light	25,034.65 SF
Ordinary 2	1,360.84 SF



**KEY PLAN**

**1 FIRE PROTECTION FLOOR PLAN - PENTHOUSE**  
3/32" = 1'-0"

Revisions:	Date:

**CONSULTANT**

 Landscape Architect 416 North Toole Avenue Tucson, AZ 85701 (520) 622-9585 Josh Orth, P.L.A.	 Protective Design Specialist 240 West 35th St, Suite 1004 New York, NY 10001 (212) 967-4890 Corinne Tan, SE	 Structural 315 West James Street, Suite 102 Lancaster, PA 17603 (717) 481-2991 Jason Vannoy, SE, PE	 MEP 550 North Rex Street, Suite 203 Tempe, AZ 85284 (813) 289-4700 Nicholas Stephenson, PE
--	---	---	--

**ARCHITECT/ENGINEER OF RECORD**

A/E:  
TRIPLE C - The A/E Group  
201 E. Jefferson Street, Suite 200  
Syracuse, NY 13202  
(315) 484-9958  
Mat Perkins

**TRIPLE C - THE A/E GROUP**  
A MULTI-DISCIPLINE COMPANY

**STAMP**  
STATE OF NEW YORK  
102795  
6/09/2022

**Office of Construction and Facilities Management**  
VA U.S. Department of Veterans Affairs

Drawing Title  
**FIRE SPRINKLER OVERALL FLOOR PLAN - PENTHOUSE**

Approved:

Phase  
**ISSUED FOR CONSTRUCTION**

**FULLY SPRINKLERED**

Project Title  
**NEW COMMUNITY LIVING CENTER**

Location  
2094 Albany Post Road, Montrose, NY 10548

Issue Date  
05/09/2022

Checked  
CJF/NPS

Drawn  
NS

Project Number  
620-334

Building Number  
CLC

Drawing Number  
FP102