











## FIRE PROTECTION NOTES

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
 4 HR FIRE BARRIER	1 HIGHEST
 3 HR FIRE BARRIER	2
 2 HR FIRE & SMOKE BARRIER	3
 2 HR FIRE BARRIER	
 2 HR FIRE BARRIER/SHAFT	4
 1 HR FIRE & SMOKE BARRIER	
 1 HR FIRE BARRIER	
 1 HR FIRE BARRIER/SHAFT	5 LOWEST
 SMOKE PARTITION (NON RATED)	
 NON RATED	

●	PENDENT SPRINKLER
⌵	UPRIGHT SPRINKLER
⌵	UPRIGHT SPRINKLER WITH CAGE
◁	SIDEWALL SPRINKLER

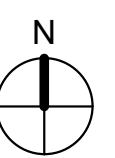
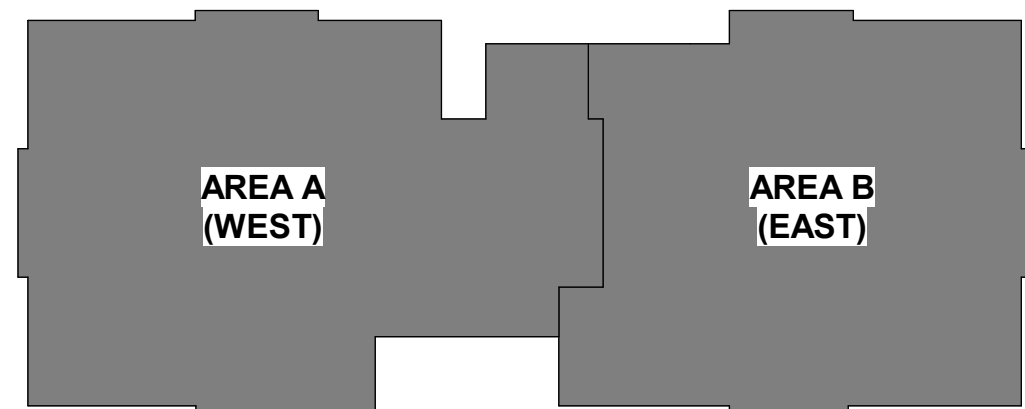
[illegible]

NOTES

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

1. MODIFY EXISTING SPRINKLER SYSTEM WITHIN THE LIMIT OF CONSTRUCTION AS INDICATED ON THE CONTRACT DRAWINGS FOR THIS PROJECT. PROVIDE TEMPORARY UPRIGHT SPRINKLER SYSTEMS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLER ARE INSTALLED. UNLESS OTHERWISE INDICATED, EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT ARE TO REMAIN, REFER TO ARCHITECTURAL DRAWINGS FOR PHASING AND WALL CONSTRUCTION.
2. 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 ALL APPLICABLE CODES AND CRITERIA. 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.
3. ALL FIRE PROTECTION WORK SHALL MEET ALL THE REQUIREMENTS OF NFPA 13, 14, AND 2001, AND FIRE PROTECTION DESIGN MANUAL, INTERNATIONAL BUILDING CODE 2018, AND APPLICABLE OSHA AND EPA REGULATIONS AND GUIDELINES. WHERE CONFLICTS BETWEEN THE CODE AND CONSTRUCTION DOCUMENTS OCCUR, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
4. THE CONTRACTOR SHALL SUBMIT A SEPARATE PERMIT APPLICATION AND PLANS FOR REVIEW ACCORDING TO NFPA 1 (2018 EDITION), SECTION 1.14.
5. A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE SHALL BE COMPLETED IN ACCORDANCE WITH NFPA 15 AND FORWARDED TO THE OWNER'S REPRESENTATIVE.
6. 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.
7. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARITY WITH THE PROJECT, INCLUDING THE BUILDING CODE, 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 EXPERIENCE BEEN MADE.
8. MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILING, AND FLOOR ASSEMBLIES. CONTRACTOR SHALL MAINTAIN RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH UL REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDITIONS OF SMOKE AND SMOKE PENETRATIONS. PROVIDE INFORMATION DETAILS FOR FIRE PROTECTION PIPING PENETRATIONS THROUGH RATED ASSEMBLIES.
9. THE SPACING AND SIZES OF SPRINKLERS AND PIPES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13. SPRINKLERS SHALL BE INSTALLED BY PERSONNEL TRAINED IN ENGINEERING, DESIGN, AND EXPERIENCE IN SUCH WORK AND WHO ARE REGULARLY EMPLOYED TO DO SUCH WORK.
10. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, AND SPRINKLER HEADS WITH ALL OTHER TRADE SYSTEMS TO AVOID CONFLICTS AND MAINTAIN ARCHITECTURAL ELEMENTS OF THE BUILDING. CONTRACTOR TO PROVIDE COORDINATION DRAWING TO COR PRIORITY TO CONSTRUCTION.
11. PIPE HANGERS SHALL BE SPACED AND LOCATED ACCORDING TO NFPA 13.
12. ALL BRANCH LINES SERVING ONE SPRINKLER SHALL BE 1" MINIMUM, UNLESS OTHERWISE NOTED.
13. INSTALL ALL SPRINKLERS ACCORDING TO THEIR LISTINGS, SPACING, AND COORDINATION SPRINKLER HEAD TYPES AND LOCATIONS WITH ARCHITECTURAL, FINISHES, CEILING, LIGHTING, DUCTS, PIPING, OTHER CEILING MOUNTED DEVICES, AND STRUCTURAL COMPONENTS.
14. 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.
15. INSTALL SPRINKLERS IN THE CENTER OF CEILING TILES WHEN POSSIBLE. PROVIDE RETURN BENDS AT ALL SPRINKLER LOCATIONS TO ALLOW FIELD ADJUSTMENT.
16. 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 13.
17. 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.
18. 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'-12" AND LARGER. DO NOT WELD THROUGH PIPING.
19. PIPE SUPPORTS: PROVIDE HANGERS, CLAMPS, RODS AND OTHER ACCESSORIES OF AN APPROVED TYPE AND IN SUFFICIENT NUMBERS TO PROPERLY SUPPORT PIPING. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.
20. SPRINKLERS SHALL BE FM APPROVED QUICK RESPONSE IN ALL AREAS EXCEPT WHERE SPECIFICALLY PROHIBITED, IN COMPLIANCE WITH VA GUIDELINES AND NFPA REQUIREMENTS.
21. SPRINKLERS SHALL BE 1/2" ORIFICE TYPE OF ORDINARY DEGREE RATINGS 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.
22. PROVIDE AND MAINTAIN A MINIMUM OF 18 INCHES CLEARANCE BETWEEN THE BOTTOM OF THE SPRINKLER DEFLECTOR AND THE TOP OF STORAGE, FILES, ETC.
23. 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

$$3/32'' = 1'-0''$$
[illegible]

## CONSULTANT



## ARCHITECT/ENGINEER OF RECORD

**A/E:**  
**TRIPLE C - The A/E Group**  
101 E. Jefferson Street, Suite 200  
Syracuse, NY 13202  
(315) 484-5958  
Pat Perkins



Office of  
Construction  
and Facilities  
Management



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

Checked

Drawn

Project Number  
620-334

Building Number  
CLC

Drawing Number

FP102