

1. THIS IS A DESIGN-BUILD PROJECT.
2. REPLACE ENTIRE SPRINKLER SYSTEM FROM FLOOR FLANGE UP.
3. SPRINKLERS IN ACCORDANCE WITH NFPA 13.
4. RESIDENTIAL AREAS PROTECTED PER NFPA 13 4-HEAD. OTHER AREAS AS INDICATED.
5. ROOF FRAMING IS BEING REPLACED WITH NON-COMBUSTIBLE TRUSS SYSTEM. AS SUCH, ATTIC SPRINKLERS WILL NOT BE PROVIDED.
6. IF THERE IS ANY REMAINING ASPHALT / TAR FROM OLD ROOFING THAT CANNOT BE REMOVED, IT WILL BE COVERED WITH MINERAL WOOL BATT INSULATION TO PROVIDE ENCASEMENT.

1. IN ACCORDANCE WITH UFC 3-600-01, 4-15.2.2, A RANGE HOOD SUPPRESSION SYSTEM IS NOT BEING PROVIDED AS FACILITY IS SPRINKLERED.

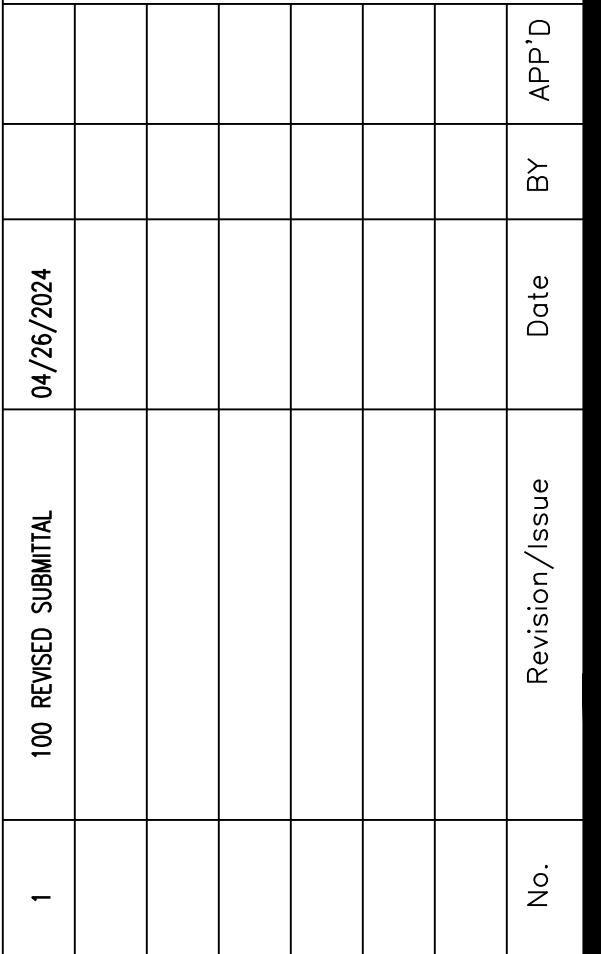
DATE: 1/18/2023
By: SCOTT LACEY, FPE
LOCATION: MAIN BEHIND BUILDING
STATIC: 69 PSI
RESIDUAL: 60 PSI FLOWING 1,186 GPM

1. RESIDENTIAL SLEEPING ROOMS SHALL BE PROTECTED WITH A MAX 4-HEAD DESIGN PER NFPA 13 FOR RESIDENTIAL AREAS.
2. BATHROOMS < 55 FT2 WILL NOT BE SPRINKLERED.
3. ALL HEADS SHALL BE CENTER OF TILE IN SUSPENDED TILE SYSTEMS.
4. CALCULATIONS SHALL INCLUDE 8 PSI FOR BACKFLOW PREVENTION ASSEMBLY.
5. VELOCITIES SHALL NOT EXCEED LIMITS OF UFC 3-600-01.
6. PROVIDE AUXILIARY DRAINS FOR TRAPPED SECTIONS OF PIPE. SHALL DISCHARGE WITH FITTINGS IN ACCORDANCE WITH NFPA 13.
7. FLEXIBLE SPRINKLER DROPS ARE ALLOWED WHEN FRICTION LOSS OF EACH DROP IS INCLUDED.

PROVIDE DOT GRADE METAL SIGN WITH
WHITE LETTERING ON RED
BACKGROUND WITH MINIMUM 4" HIGH
LETTERS FOR "FDC" AND LOCATE ABOVE
FDC.

1. SYSTEM TO COMPLY WITH NFPA 13, 2022; UFC 3-600-01 CH6 MAY 2021.
2. AN NFPA 13 4-HEAD DESIGN WILL BE UTILIZED IN SLEEPING AREAS.
3. COMMON AREAS TO BE PROTECTED PER HC1 LIGHT HAZARD.
4. MECHANICAL, STORAGE, AND LAUNDRY SPACES TO BE PER HC2 ORDINARY HAZARD.
5. CPVC PIPE WILL BE USED IN ACCORDANCE WITH STRICT LIMITATIONS FOR BEING EXPOSED IN MECHANICAL AND UTILITY CHASE SPACES. THIS INCLUDES PIPE BEING RUN TIGHT TO CEILING SURFACE AND NOT SUSPENDED.
6. OPEN, NON-CONDITIONED, NON-COMBUSTIBLE STAIRS AND BREEZEWAYS WILL NOT BE SPRINKLERED DUE TO FREEZE POTENTIAL, CHALLENGES WITH REPLACING DRY-BARREL HEADS EVERY 10 YEARS, AND THE LACK OF FUEL SOURCE IN THE STAIRS.
7. BUILDING WILL BE SERVED BY ONE WET-PIPE RISER WITH FLOOR ZONE VALVES AND WATER FLOW SWITCHES FOR EACH FLOOR.
8. SPRINKLER PIPE IN EXPOSED AREAS MUST BE PAINTED / LABELED IN ACCORDANCE WITH UFC 3-600-01, 9-6.8.2 WITH 3" STENCILS.
9. POST INDICATOR VALVE IS EXISTING TO REMAIN.
10. PROVIDE NEW TAMPER SWITCH AND CONDUIT / MONITORING.
11. 175 PSI PRESSURE RELIEF SHALL BE PROVIDED ON EACH SPRINKLER RISER AND DOWNSTREAM OF ANY CHECK VALVES.
12. AIR RELEASE VENTS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.
13. MINIMUM OF 3' CLEARANCE SHALL BE PROVIDED IN FRONT OF EACH ISOLATION VALVE.
14. ALL AUXILIARY DRAINS SHALL BE READILY ACCESSIBLE AND DRAIN TO AN APPROVED LOCATION. DRAINS SHALL BE IDENTIFIED ON DRAWINGS.
15. SPRINKLER PIPING, FITTINGS, AND SPRINKLERS SHALL NOT BE LOCATED ABOVE NON-MOVABLE ELECTRONIC EQUIPMENT / RACKS. COORDINATE WITH ELECTRICAL SHEETS FOR ANTICIPATED LOCATIONS.
16. RUN NEW MINIMUM 3/4" PVC CONDUIT FROM BUILDING TO PIV WITH NEW TAMPER SWITCH ON PIV. CONDUIT MAY COME UP OUTSIDE BUILDING UNDER SIDEWALK AND TURN INTO BUILDING WITH "LB" FITTING. ENSURE CABLE IS LISTED FOR WET LOCATION.

1. COORDINATE BETWEEN TRADES TO PROVIDE SIGNAGE ON RISER ROOM DOOR THAT STATES "FIRE ALARM AND SPRINKLER RISER".
2. LETTERING OF SIGN TO BE MINIMUM 2" HIGH.
3. SIGN TO BE DOT GRADE ALUMINUM / STENCILING TO PREVENT FADING.
4. PROVIDE WHITE LETTERING ON RED BACKGROUND.



DRAWN BY SL	LEAD DESIGNER SL
TECH REVIEWER SL	PROJECT NUMBER NKAK 21-1034
DESIGNED BY SL	SHEET FS1.00 62 OF 100
DATE 29 FEB. 2024	
SCALE	
AS NOTED	

SHEET TITLE

FIRE SPRINKLER NOTES AND DETAILS