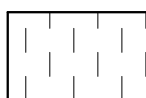
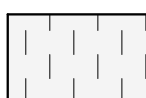
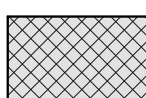
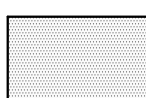


GENERAL FIRE SPRINKLER NOTES

1. THE LAYOUT OF THE FIRE SPRINKLER SYSTEM IS SCHEMATIC. FINAL FIRE SPRINKLER SYSTEM DESIGN TO BE PERFORMED BY A LICENSED FIRE SPRINKLER CONTRACTOR OR FIRE PROTECTION ENGINEER.
2. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR VERIFYING HYDRANT FLOWS PRIOR TO ANY DESIGN CALCULATIONS AND LAYOUTS. WHAT IS SHOWN ON THESE PLANS IS SCHEMATIC AND IS BASED UPON REDUCING PIPING FRICTION LOSS WITHOUT THE NEED OF A FIRE PUMP. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND FOLLOWING SAME PROCEDURES. A FIRE FLOW TEST SHALL BE PROVIDED AS PART OF THE BID. SUBMIT FLOW TEST RESULTS WITH FIRE SPRINKLER SUBMITTAL.
3. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR VERIFYING OCCUPANCY HAZARD CLASSIFICATION FOR AREAS TO BE PROVIDED WITH NEW SPRINKLER COVERAGE AS INDICATED ON PLANS.
4. THE ENTIRE DESIGN SHALL BE A WET SYSTEM FOLLOWING NFPA 13 FOR ENTIRE BUILDING EXCEPT FOR ATTICS, CANOPIES, AND OTHER NON-CONDITIONED SPACES. THESE AREAS SHALL BE PROTECTED WITH A DRY TYPE SYSTEM.
5. SPRINKLER CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE STATE AND LOCAL LAWS, CODES AND ORDINANCES, NATIONAL FIRE PROTECTION ASSOCIATION, AND THE AUTHORITY HAVING JURISDICTION.
6. SPRINKLER CONTRACTOR SHALL COORDINATE ALL SCHEDULING, ELEVATIONS, SIZES, QUANTITIES, AND ROUTING OF WORK WITH OTHER TRADES. COORDINATE AND FIELD VERIFY SIZE, LOCATION, ELEVATION AND QUANTITY OF ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PIPING EQUIPMENT AND COMPONENTS THAT MAY IMPACT IMPLEMENTATION OF THIS WORK.
7. PROVIDE NEW QUICK-RESPONSE SPRINKLER HEADS FOR ALL AREAS INDICATED ON PLANS. FOR AREAS WITH LAY-IN OR HARD CEILINGS, PROVIDE SEMI-RECESSED PENDANT HEADS WITH ESCUTCHEON PLATES INSTALLED IN CEILING. UNLESS NOTED OTHERWISE, AREAS WITHOUT A CEILING (OR ANY UNFINISHED AREA) SHALL BE PROVIDED WITH BRASS, UN-PLATED, UPRIGHT PENDANT HEADS. COORDINATE ALL SPRINKLER HEAD TYPES, ACCESSORIES, AND FINISHES WITH ARCHITECT.
8. REFER TO SPECIFICATIONS FOR FURTHER FIRE PROTECTION SYSTEM REQUIREMENTS NOT STATED ON PLANS.
9. FIRE PROTECTION WORK SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR (SPRINKLER FITTER OR PER JURISDICTIONAL REQUIREMENTS) WITH A MINIMUM OF 3 YEARS OF INSTALLATION EXPERIENCE ON PROJECTS WITH FIRE PROTECTION WORK SIMILAR TO THAT REQUIRED FOR THE PROJECT.
10. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING HYDRAULIC CALCULATIONS FOR ENTIRE FIRE PROTECTION SYSTEM. PRIOR TO BEGINNING WORK, FIRE PROTECTION PLANS SHOWING SPRINKLER HEAD LOCATIONS, HYDRAULIC CALCULATION AND ALL NECESSARY INFORMATION SHALL BE SUBMITTED FOR APPROVAL AUTHORITY HAVING JURISDICTION. PLANS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER.
11. THE ELECTRICAL CONTRACTOR SHALL FURNISH A FIRE ALARM SYSTEM THAT WILL MONITOR THE SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

FIRE SPRINKLER SYMBOLS

FIRE AREA DESIGNATIONS

-  AREA TO BE PROVIDED WITH NEW LIGHT HAZARD FIRE SPRINKLER COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW ORDINARY HAZARD FIRE SPRINKLER COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW LIGHT HAZARD PRE-ACTION FIRE SPRINKLER COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW ORDINARY HAZARD PRE-ACTION FIRE SPRINKLER COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW STANDPIPE IN STAIRWELL COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW WATER CURTAIN FOR 2 HOUR STAIR RATING COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW STAIRWELL & ELEVATOR LIGHT HAZARD COVERAGE PER NFPA 13 AND SPECIFICATION DIVISION 21
-  AREA TO BE PROVIDED WITH NEW CANOPY COVERAGE WITH FREEZELESS OR HEAT TRACED PIPING PER NFPA 13 AND SPECIFICATION DIVISION 21

FIRE SPRINKLER CALCULATIONS

FIRE SPRINKLER WATER DEMAND

CLINIC AREA (LIGHT HAZARD)
TOTAL AREA = 19,117 SF
AREA DEMAND = 0.07 GPM/SF
DEMAND (GPM) = 1,338 GPM

CANOPIES (LIGHT HAZARD)
TOTAL AREA = 655 SF
AREA DEMAND = 0.10 GPM/SF
DEMAND (GPM) = 66 GPM

TOTAL DEMAND
1,405 GPM

WATER SUPPLY DURATION

THE FIRE WATER SUPPLY DURATION SHALL BE 120 MINUTES PROVIDED THE FIRE SPRINKLER SYSTEM WATER FLOW ALARM DEVICES AND SUPERVISORY DEVICES ARE ELECTRICALLY SUPERVISED AND SUCH SUPERVISION IS MONITORED AT AN APPROVED, CONSTANTLY ATTENDED LOCATION.

OPERATING PRESSURE

THE MINIMUM RESIDUAL PRESSURE AT HIGHEST SPRINKLER SHALL BE A MINIMUM OF 15 PSI.

NOTES:

1. LOCATE RPZ VALVE A MINIMUM OF 12" FROM ADJACENT WALL AND 12'-30" FROM FINISHED FLOOR.
2. FLOW AND TAMPER SWITCHES PROVIDED BY FIRE ALARM CONTRACTOR AND INSTALLED BY SPRINKLER CONTRACTOR.
3. SPRINKLER SYSTEM TO BE DESIGNED AND SIZED BY A LICENSED FIRE PROTECTION ENGINEER. THIS DETAIL SHALL BE SUPERSEDED BY FINAL SPRINKLER SYSTEM DESIGN DRAWINGS.

REDUCED PRESSURE ZONE (RPZ)
BACKFLOW ASSEMBLY APPROVED
BY LOCAL UTILITY COMPANY

DRAIN TO FLOOR DRAIN WITH AIR
GAP OR TO OUTSIDE OF BLDG

SLEEVE IN FLOOR

FIRE WATER SUPPLY UP
THROUGH FLOOR FROM
BELOW GRADE. RE - CIVIL

- SPRINKLER RISER
- PRESSURE GAUGE (TYP)
- FIRE ALARM CHECK
VALVE WITH TRIM
- FLANGED OS&Y
VALVE (TYPICAL)
- CAP
- CHECK VALVE W/ BALL DRIP
- OUT TO FIRE DEPARTMENT
CONNECTION
- GALVANIZED STEEL PIPE SUPPORT
BOLTED TO FLOOR (TYP)

1

FIRE PROTECTION WATER SERVICE SCHEMATIC

NOT TO SCALE

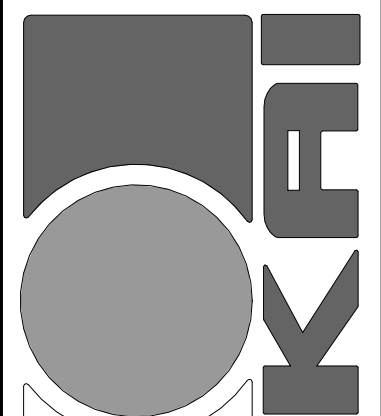


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FOR PERMIT & CONSTRUCTION

NEW Arcare MEDICAL OFFICE BUILDING
2709 Massard Rd
FT. SMITH, AR 72903

Arcare
117 S. 2ND ST.
AUGUSTA, AR 72006

DATE	DRAWN BY
06-15-2026	CO
PROJECT #	CHECKED BY
2517	JT

SHEET
F000
NOTES AND SYMBOLS

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