ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP
ABV	ABOVE
AC	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGA	AIR GAS ANALYZER
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASSY	ASSEMBLY
AUTO	AUTOMATIC
B	BELOW
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BOT	BOTTOM
CI	CAST IRON
CKV	CHECK VALVE
CL	CENTER LINE
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAG(RAM, RAMMATIC, ONAL)
DISCH	DISCHARGE
DN	DOWN
DWG	DRAWING
EA	EACH
EH	EXTRA HAZARD
ELEC	ELECTRICAL
EL	ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSE, ENCLOSURE
EQPT	EQUIPMENT
EST	ESTIMATE
ETR	EXISTING TO REMAIN
EX/EXIST	EXISTING
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FIG	FIGURE
FLR	FLOOR
FM	FACTORY MUTUAL
FP	FIRE PROTECTION OR FIRE PUMP
FPC	FIRE PUMP CONTROLLER
FPTH	FIRE PUMP TEST HEADER
FS	FLOW SWITCH
FT	FOOT, FEET
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HT	HEIGHT
ID	DIAMETER, INSIDE
IN	INCHES
INT	INTER(IOR,NAL)
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
KW	KILOWATT
LBS	POUNDS
LF	LINEAR FEET
LIB	LITHIUM ION BATTERY
LH	LIGHT HAZARD
MECH	MECHANICAL
MFR	MANUFACTUR(E,ER,ED)
MIN	MINIMUM
MTD	MOUNTED
N2	NITROGEN
NC	NORMALLY CLOSED
NG	NITROGEN GENERATOR
N.I.C.	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OH	ORDINARY HAZARD
OS&Y	OUTSIDE STEM AND YOKE VALVE W/ TAMPER SWITCH
%	PERCENT
PA	DOUBLE INTERLOCK PRE-ACTION TYPE
PAV	PRE-ACTION VALVE
PD	PRESSURE DROP/PUMP DISCHARGE
PH	PHASE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SCFH	STANDARD CUBIC FEET PER HOUR
SCHED	SCHEDULE
SECT	SECTION
SGA	SMART GAS ANALYZER
SPECS	SPECIFICATIONS
SF OR SQ.FT.	SQUARE FOOT
SQ. IN.	SQUARE INCH
SS	STAINLESS STEEL
STD	STANDARD
STRUC	STRUCTURAL
SVCP	SMART VENT ELECTRIC CONTROL PANEL
TEMP	TEMPERATURE
THD	THREAD
THK	THICK(NESS)
TOT	TOTAL
TS	TAMPER SWITCH
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
V	VENT
V.I.F.	VERIFY IN FIELD
VOL	VOLUME
W/	WITH
WET	WET PIPE SPRINKLER SYSTEM
W/O	WITHOUT

FIRE SUPPRESSION

NOTE: NOT ALL SYMBOLS MAY BE USED

- PRE-ACTION SYSTEM W/ DELUGE VALVE AND TRIM
- PRESSURE GAUGE
- CONCEALED SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- BUTTERFLY VALVE
- CHECK VALVE
- GATE VALVE
- OUTSIDE STEM AND YOKE VALVE W/ TAMPER SWITCH
- BALL VALVE
- SOLENOID VALVE

FLOW TEST DATA

TEST DATE: DECEMBER 10, 2025

STATIC PRESSURE (PSI): 49
RESIDUAL PRESSURE (PSI): 39
FLOW (GPM): 1025

NOTE: INFORMATION PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY WATER SUPPLY DATA AND PERFORM HYDRAULIC CALCULATIONS BASED ON DATA FROM THE PREVIOUS 12 MONTHS.

DEFERRED SUBMITTALS / DELEGATED DESIGN

A FIRE PROTECTION DESIGN HAS BEEN PROVIDED TO ILLUSTRATE THE DESIGN INTENT.

THE FIRE PROTECTION CONTRACTOR IS TO PROVIDE A DESIGN-BUILD SYSTEM COORDINATED WITH OTHER DISCIPLINES INCLUDING ELECTRICAL AND MECHANICAL.

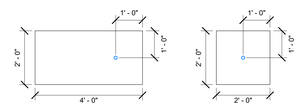
FIRE SPRINKLER SYSTEM SHALL BE A DEFERRED SUBMITTAL. DESIGN BUILD CONTRACTOR SHALL SUBMIT PERMIT SET TO THE LOCAL AH(S) FOR REVIEW AND APPROVAL.

GENERAL CONTRACTOR SHALL COORDINATE ALL PIPES AND POWER REQUIREMENTS FOR AN OPERABLE AND CODE COMPLIANT FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

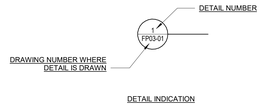
- 2021 ARKANSAS FIRE PREVENTION CODE
  1. VOLUME I - FIRE
  2. VOLUME II - BUILDING
  3. APPENDIX B, C, D
- NFPA 13 (2025)
- NFPA 14 (2024)

SPRINKLER HEAD COORDINATION



NOTES:
1. SPRINKLER HEADS TO BE COORDINATED W/ ALL CEILING DEVICES
2. SPRINKLER HEADS TO HAVE UNIFORM ARRANGEMENT/LAYOUT AND VISIBLY IN-LINE. CONFLICTS PREVENTING INTENDED LAYOUT TO BE BROUGHT TO THE ATTENTION OF THE CM, ENGINEER, & OWNERS REP. PRIOR TO FABRICATION & INSTALLATION
3. SPRINKLER HEADS TO BE CENTERED IN TILE AS SHOWN ABV

DRAWING INDICATORS



DRAWING ORGANIZATION

FIRE PROTECTION DISCIPLINE PREFIX
GROUP DESIGNATION
FLOOR LEVEL & GENERAL SHEET NUMBER

FP00-01	LEGEND
FP01-00	FIRE SUPPRESSION ZONING PLANS
FP02-01	FLOOR PLANS
FP03-00	ENLARGED SCALE PLANS
FP04-00	RISER DIAGRAMS
FP05-00	DETAILS

GENERAL NOTES

1. PROVIDE A FULLY FUNCTIONAL SPRINKLER SYSTEM WITH ASSOCIATED COMPONENTS FOR THE FACILITY WITH ALL NECESSARY APPURTENANCES AND ALARMS TO COMPLY WITH NFPA 13.
2. PROVIDE COMPLETE DESIGN OF SPRINKLER SYSTEM, STANDPIPE SYSTEM, FIRE PUMP SYSTEM, COORDINATED WORKING DRAWINGS, AND SUBMITTALS NECESSARY FOR APPROVAL BY THE ARCHITECT/ENGINEER AND THE LOCAL FIRE DEPARTMENT.
3. PROVIDE COMPLETE SPRINKLER COVERAGE FOR THE ENTIRE FACILITY, WHERE ABOVE-CEILING SPACES ARE USED AS A PLENUM AND OPENINGS EXCEED THRESHOLDS OF NFPA 13 FOR CONCEALED SPACES, TWO LEVELS OF SPRINKLER COVERAGE SHALL BE PROVIDED - BOTH IN THE CEILING AND AT THE STRUCTURE/DECK WITHIN THE PLENUM.
4. PROVIDE COMPLETE DESIGN OF MANUAL WET STANDPIPE SYSTEM IN ACCORDANCE WITH NFPA 14 AND THE LOCAL FIRE DEPARTMENT REQUIREMENTS. CLASS I HOSE CONNECTIONS SHALL BE LOCATED AS REQUIRED, INCLUDING AT INTERMEDIATE LANDINGS OF EXIT STAIRS, AND WHERE HOSE TRAVEL DISTANCE EXCEEDS 200 FT.
5. PROVIDE DOUBLE INTERLOCK PREACTION SPRINKLER SYSTEMS AS INDICATED FOR CRITICAL SPACES WITH ALL NECESSARY MONITORING AND ALARM DEVICES IN ACCORDANCE WITH NFPA. ALL PIPING AND FITTINGS TO BE BLACK STEEL SCHEDULE 40 AND PITCHED PER NFPA 13. ALL RISERS ARE TO HAVE A SECOND CONTROL VALVE ON RISER TO ALLOW FOR DRY TRIP TESTS. PREACTION SPRINKLER SYSTEMS TO BE ACTIVATED BY THE SMOKE DETECTION SYSTEM PROVIDED BY THE FIRE ALARM CONTRACTOR.
6. PROVIDE BOOSTER FIRE PUMP TO SUPPORT SPRINKLER SYSTEMS IN ACCORDANCE WITH NFPA 20. FIRE PUMP SHALL BE ELECTRIC, HORIZONTAL, SPLIT-CASE CENTRIFUGAL FIRE PUMP. PUMP BYPASS, TEST HEADER, AND FLOW METER LOOP SHALL BE PROVIDED. AN ELECTRIC, VERTICAL INLINE JOCKEY PUMP SHALL BE INSTALLED TO MAINTAIN PRESSURE WITH FIRE PIPING. FIRE PUMP CONTROLLER SHALL BE SOFT START TYPE, WITH INTEGRAL AUTOMATIC TRANSFER SWITCH. FIRE PUMP AND JOCKEY PUMP CONTROLLERS SHALL BE BOTH NEMA 2.
7. PROVIDE NITROGEN GENERATOR SYSTEM TO SERVICE SUPERVISORY AIR FOR ZONES. SEE ALSO SPECIFICATION SECTION 211001 - FIRE SPRINKLER SYSTEMS CORROSION MANAGEMENT.
8. PROVIDE ALL NECESSARY COORDINATION OF TRADES FOR THE WATER MAIN FEED INTO AND OUT OF THE DATA CENTER BUILDING AS ACCEPTABLE TO LOCAL AUTHORITIES, ENGINEER AND OWNER. FIRE SPRINKLER DESIGN AND CALCULATIONS TO BE TRACED TO THE STREET SUPPLY. CONTRACTOR TO PROVIDE EVIDENCES OF THE SAME IN HYDRAULIC CALCULATION SUBMITTALS
9. PERFORM INSTALLATION OF APPROVED SYSTEMS INCLUDING ALL NECESSARY MATERIALS, PRODUCTS, COMPONENTS, DEVICES, SPECIALTIES, AND EQUIPMENT. ALL ASSOCIATED LABOR, SERVICES, LOADING, UNLOADING, HOISTING, HANDLING AND STORAGE OF MATERIALS ALONG WITH ALL CUTTING, CORING, AND PATCHING OF GENERAL CONSTRUCTION IS CONSIDER TO BE PART OF THE WORK AND INCLUDED IN THE BID.
10. PROVIDE PIPE SLEEVES SET IN COORDINATED LOCATIONS THROUGH WALLS, FLOORS, AND STRUCTURALLY ELEMENTS. UTILIZE CHROME PLATED OR PRIME FINISHED STEEL ESCUTCHEON PLATED FOR EXPOSED PIPE PASSING THROUGH FINISHED WALLS FLOOR OR CEILINGS.
11. PROVIDE SMOKE/FIRE STOPPING OF ALL PENETRATIONS OF GENERAL CONSTRUCTION ASSOCIATED WITH THIS CONTRACT. PROVIDE A 2-PART MINIMUM FIRE STOPPING SYSTEM COMPLYING WITH LOCAL APPROVED UL LISTED DETAILS AND MANUFACTURER'S RECOMMENDATIONS TO ESTABLISH A SMOKE OR FIRE RESISTANCE RATING EQUAL TO OR GREATER THAN THE WALL OR FLOOR PENETRATED.
12. PROVIDE ONLY UL LISTED AND FM APPROVED COMPONENTS FOR ENTIRE SYSTEM.
13. THE CONTRACT DOCUMENTS AS SHOWN ARE REPRESENTATIVE OF THE DESIGN INTENT FOR THE PROJECT AND ARE ALSO THE BASIS FOR CONTRACTOR BIDDING. THE SPRINKLER CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. THE SPRINKLER CONTRACTOR SHALL BASE THEIR DESIGN ON THE LATEST ARCHITECTURAL AND MECHANICAL DRAWINGS AND ACTUAL FIELD CONDITIONS BEFORE ANY FABRICATION OR INSTALLATION OF THE PROPOSED SPRINKLER WORK.
14. THE SPRINKLER CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
15. THE SPRINKLER CONTRACTOR SHALL VISIT THE SITE TO DETERMINE ACTUAL FIELD CONDITIONS AND EXTENT OF WORK.
16. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED PER OWNER ACCEPTED DESIGN CRITERIA, NFPA 13, THE LOCAL BUILDING CODE, AND THE LOCAL FIRE DEPARTMENT.
17. ALL SYSTEMS SHALL BE TESTED HYDROSTATICALLY AT NOT LESS THAN 200 POUNDS PER SQUARE INCH PRESSURE FOR TWO HOURS, OR AT 50 POUNDS PER SQUARE INCH IN THE EXCESS OF THE MAXIMUM STATIC PRESSURE WHEN THE MAXIMUM STATIC PRESSURE IS IN EXCESS OF 150 POUNDS. WHERE PERMISSIBLE A PNEUMATIC TEST SHALL BE PERFORMED IN LIEU OF A HYDROSTATIC TEST TO KEEP WATER OUT OF THE PIPING AND MINIMIZE CORROSION POTENTIAL.
18. THE SPRINKLER CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES RELATED TO THE SPRINKLER WORK.
19. PROVIDE SYSTEM LOW POINT DRAINS AND AUXILIARY DRAINS AS NECESSARY. LOCATIONS SUBJECT TO APPROVAL AND SHALL BE IDENTIFIED ON THE SHOP DRAWINGS.
20. THE OWNER SHALL PROVIDE A MINIMUM 40°F TEMPERATURE THROUGHOUT ALL AREAS OF THE BUILDING WHERE WET PIPE SPRINKLER SYSTEMS ARE PROVIDED.
21. THE SPRINKLER CONTRACTOR SHALL PROVIDE HANGERS AND SEISMIC BRACING PER NFPA 13. PROVIDE EARTHQUAKE PROTECTION, INCLUDING SEISMIC BRACING, FLEXIBLE COUPLINGS, SEISMIC SEPARATION ASSEMBLIES, AND ANNULAR CLEARANCES, AS REQUIRED BY NFPA 13.
22. MAINTAIN THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH COVERED BY THIS WORK. AT THE COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS TOOLS, ETC. AND LEAVE THE PREMISES CLEAN.
23. THE SPRINKLER CONTRACTOR SHALL PROVIDE SPRINKLER PROTECTION UNDER ALL MECHANICAL DUCTWORK OR OBSTRUCTIONS IN EXCESS OF 4'-0" IN WIDTH, IN EXPOSED STRUCTURE AREAS, IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.
24. SPRINKLER GUARDS SHALL BE PROVIDED FOR ALL SPRINKLERS WITHIN 7'-0" ABOVE FINISHED FLOOR AND/OR IN AREAS SUBJECT TO MECHANICAL DAMAGE.
25. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL DESIGN REQUIREMENTS.
26. EACH TRADE SHALL BE RESPONSIBLE FOR CLEANING UP AT THE END OF EACH WORK DAY. THE JOB SITE WILL BE LEFT BROOM CLEAN. ALL DEBRIS SHALL BE TAKEN TO AN AREA DESIGNATED BY THE PRIME CONTRACTOR. THE PRIME CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF DEBRIS FROM THE BUILDING.
27. REFER TO THE FIRE ALARM CONTRACTOR DRAWINGS.
28. ALL VALVES CONTROLLING THE WATER SUPPLY SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. REFER TO THE FIRE ALARM CONTRACTOR DRAWINGS FOR COORDINATION. ALL FIRE ALARM DEVICES SHALL BE AS INDICATED ON THE FIRE ALARM CONTRACTOR DRAWINGS.
29. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR COMPLETE COORDINATION WITH ALL OTHER TRADES. THE SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH ALL GOVERNING CODES, REGULATIONS, AND THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
30. ALL SPRINKLER MAINS AND BRANCHLINES SHALL BE COORDINATED WITH FINAL EQUIPMENT LOCATIONS. NO SPRINKLER MAINS OR BRANCHLINES SHALL BE LOCATED ABOVE CRITICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, ELECTRICAL EQUIPMENT, SERVERS, BATTERIES AND BATTERY CABINETS, PDUs, AND UPS EQUIPMENT. SPRINKLER SYSTEM INSTALLATION MUST ALSO AVOID CROSSING OVER MASTER-PLANNED LOCATIONS OF EQUIPMENT. REFER TO OTHER TRADES. LOCATIONS OF SPRINKLERS SHALL NOT IMPEDE ACCESS TO EQUIPMENT AND MAINTENANCE ACTIVITIES.
31. PREACTION SPRINKLER SYSTEM:
    - PITCH OF PIPE TO BE IN ACCORDANCE W/ NFPA 13.
    - PIPING TO BE AS FOLLOWS:
      - 2" AND SMALLER: SCHEDULE 40 BLACK STEEL WITH THREADED OR GROOVED FITTINGS.
      - 2-1/2" AND LARGER: SCHEDULE 40 BLACK STEEL WITH GROOVED FITTINGS.
    - AUXILIARY DRAINS AT ALL LOW POINTS SIZED IN ACCORDANCE W/ NFPA. PROVIDE SIGHT GLASS. LOCATION SUBJECT TO APPROVAL.
    - INSPECTORS TEST CONNECTIONS TO BE ROUTED FROM A REMOTE BRANCHLINE. PROVIDE WITH SIGHT GLASS.
    - THOROUGHLY FLUSH PIPE AND DRY SYSTEM UPON COMPLETION OF ACCEPTANCE TESTING.
32. ALL FIRE SUPPRESSION SHOP DRAWINGS TO BE SUBMITTED TO OWNER'S REPRESENTATIVE FOR REVIEW.

DESCRIPTION OF WORK

- SCOPE OF WORK INCLUDES PROVIDING A FULLY FUNCTIONAL SPRINKLER SYSTEM IN THE BUILDING AS INDICATED.
- BUILDING SHALL BE EQUIPPED WITH MANUAL WET CLASS I STANDPIPE SYSTEM IN COMPLIANCE WITH LOCAL AHJ REQUIREMENTS.
- SYSTEM TYPES SHALL BE AS INDICATED ON ZONING PLANS. FOR FUTURE DATA HALL SPACES, SYSTEMS SHALL BE INSTALLED AS DRY TYPE IN THE CORE AND SHELL PHASE, TO BE CONVERTED TO PREACTION IN A FUTURE PHASE. PIPING SHALL BE INSTALLED PITCHED, PER NFPA 13 REQUIREMENTS, FOR EASE OF CONVERSION.
- DRY AND PREACTION SYSTEMS SHALL BE CONNECTED TO THE NITROGEN SUPERVISORY GAS SYSTEM, FOR CORROSION PREVENTION.
- DESIGN INTENT FOR THE DATA HALL SPRINKLER SYSTEMS IS TO HAVE UPRIGHT SPRINKLERS AT THE STRUCTURE, IN ADDITION TO ARMOVERS TO CEILING SPRINKLERS, TO PROVIDE FLEXIBILITY FOR FUTURE HOT AISLE CONTAINMENT. CEILING SPRINKLERS SHALL USE FLEXIBLE HOSE, WITH ADEQUATE SLACK TO PERMIT MOVEMENT OF A SPRINKLER 1 TILE IN THE FUTURE WITHOUT REPIPING.
- SPRINKLERS INSTALLED IN THE DATA HALL SHELL SPACES SHALL BE PIPED WITH ACCOMODATIONS FOR THE FUTURE CONFIGURATION. ALL SPRINKLER OUTLETS TO SERVE UPRIGHT SPRINKLERS SHALL INCLUDE A NIPPLE WITH A TEE WITH A PLUGGED SIDE OUTLET FOR A FUTURE ARMOVER TO A CEILING SPRINKLER.
- BUILDING IS PROVIDED WITH 8" INCOMING WATER SUPPLY CONNECTION WITH A BACKFLOW PREVENTER PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR. FIRE PROTECTION CONTRACTOR'S SCOPE BEGINS DOWNSTREAM OF BACKFLOW. REFER TO CIVIL DRAWINGS FOR CONTINUATION.

HYDRAULIC DESIGN

1. REFER TO FP01 SERIES DRAWING(S), ZONING PLAN(S).
2. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA 13. SCHEDULE 10 AND/OR LIGHT WALL PIPE ARE NOT PERMITTED.
3. DISCHARGE FROM EACH SPRINKLER HEAD SHALL NOT BE LESS THAN REQUIRED FOR AREA COVERED BY THIS SPRINKLER. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA 13.
4. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO WATER SUPPLY.
5. CONTRACTOR SHALL ORDER HYDRANT FLOW TEST AND BASE ALL HYDRAULIC CALCULATIONS ON RESULTS OF TEST.
   a. HYDRANTS TESTED SHALL BE LOCATED AS CLOSE AS POSSIBLE TO POINT OF FIRE SERVICE CONNECTION TO CITY MAIN.
   b. TEST DATA SHALL INDICATED STATIC PRESSURE, RESIDUAL PRESSURE AT TEST FLOW AND GRADE ELEVATION AT HYDRANT TESTED.
   c. HYDRANT TEST DATA SHALL BE SUBMITTED FOR REVIEW ALONG WITH SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
6. RESULT OF HYDRAULIC CALCULATIONS SHALL INDICATE MINIMUM 10% PRESSURE SAFETY MARGIN IN EXCESS OF PRESSURE AVAILABLE OVER PRESSURE REQUIRED.
7. SPRINKLER SYSTEM C-FACTOR TO COMPLY WITH NFPA 13

SPRINKLER DESIGN CRITERIA

OCCUPANCY	HAZARD	SYSTEM TYPE	DESIGN DENSITY (GPM/FT²)	DESIGN AREA (FT²)	MAXIMUM SPRINKLER SPACING (FT²)	HOSE ALLOWANCE (GPM)	SPRINKLER TYPE	SPRINKLER FINISH
OFFICES, LOBBIES, ADMIN SUPPORT, RESTROOMS, BREAK ROOMS, COMMON AREAS, JANITORS CLOSETS	LH	WET	0.10	1500	225	100	K = 5.6, QR, 165°	WHITE POLYESTER
CORRIDORS ADJACENT TO CRITICAL SPACES	LH	WET	0.10	1500	225	100	K = 5.6, QR, 165°	BRASS
MECHANICAL ROOMS, VALVE/RISER ROOMS, MECHANICAL SUPPORT SPACES, GALLERIES	OH-1	PREACTION	0.15	1950	130	250	K = 5.6 OR 8.0, QR/SR, 212°F	BRASS
DATA HALLS (CEILING LEVEL)	OH-1	PREACTION	0.15	1950	130	250	K = 5.6 OR 8.0, QR/SR, 212°F	WHITE POLYESTER
DATA HALLS (ABOVE CEILING)	OH-1	PREACTION	0.15	1950	130	250	K = 5.6 OR 8.0, QR/SR, 212°F	BRASS
SHELL SPACES	OH-1	DRY	0.15	1950	130	250	K = 5.6 OR 8.0, QR/SR, 212°F	BRASS
ELECTRICAL, IDF	OH-2	PREACTION	0.20	1950	130	250	K = 5.6 OR 8.0, QR/SR, 212°F	BRASS
LOADING DOCK	OH-2	DRY	0.20	1950	130	250	K = 8.0, SR, 212°F	BRASS
STORAGE (MISCELLANEOUS STORAGE <12 FT)	OH-2	WET	0.20	1500	130	250	K = 8.0, SR, 212°F	BRASS
UPS ROOM	BATTERY	PREACTION	0.30	2500	100	500	K = 8.0 OR 11.2, SR, 286°F	BRASS

FIRE PROTECTION SHEET LIST

SHEET NO.	SHEET NAME	CONCEPTUAL DESIGN	SCHEMATIC DESIGN	60% DESIGN DEVELOPMENT	ISSUE 4	ISSUE 5	ISSUE 6	ISSUE 7	ISSUE 8	ISSUE 9	ISSUE 10
FP00-01	LEGEND AND ABBREVIATIONS		●	●							
FP01-01	LEVEL 1 - FIRE SUPPRESSION ZONING PLAN		●	●							
FP01-02	LEVEL 2 - FIRE SUPPRESSION ZONING PLAN		●	●							
FP01-03	ROOF - FIRE SUPPRESSION ZONING PLAN		●	●							
FP02-01	LEVEL 1 - FIRE SUPPRESSION OVERALL PLAN			●							
FP02-01A	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT A			●							
FP02-01B	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT B			●							
FP02-01C	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT C			●							
FP02-01D	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT D			●							
FP02-01E	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT E			●							
FP02-01F	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT F			●							
FP02-01G	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT G			●							
FP02-01H	LEVEL 1 - FIRE SUPPRESSION PLAN - SEGMENT H			●							
FP02-02	LEVEL 2 - FIRE SUPPRESSION OVERALL PLAN			●							
FP02-02B	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT B			●							
FP02-02C	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT C			●							
FP02-02D	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT D			●							
FP02-02E	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT E			●							
FP02-02F	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT F			●							
FP02-02G	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT G			●							
FP02-02H	LEVEL 2 - FIRE SUPPRESSION PLAN - SEGMENT H			●							
FP02-03	ROOF - FIRE SUPPRESSION OVERALL PLAN			●							
FP02-03B	ROOF - FIRE SUPPRESSION PLAN - SEGMENT B			●							
FP02-03C	ROOF - FIRE SUPPRESSION PLAN - SEGMENT C			●							
FP02-03D	ROOF - FIRE SUPPRESSION PLAN - SEGMENT D			●							
FP03-01	ENLARGED FIRE SUPPRESSION PLANS			●							
FP03-02	ENLARGED FIRE SUPPRESSION PLANS			●							
FP05-01	FIRE SUPPRESSION DETAILS			●							
TOTAL: 28											

DEFERRED SUBMITTAL ALL WORK SHOWN IS TO ILLUSTRATE DESIGN INTENT

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES

1		
2	12.12.2025	SCHEMATIC DESIGN
3	01.23.2026	60% DESIGN DELIVERABLE

REVISIONS

kW Mission Critical Engineering
Contact: Stephan Slabicky Phone: 212.951.3943
Engineer:
License #: Exp. Date:

NOT FOR CONSTRUCTION
Date: 00/00/0000

SERVERFARM
Clarksville, AR

LEGEND AND ABBREVIATIONS

JOB US0049903.5614
SHEET FP00-01

1/23/2026 3:56:13 PM FP00-01 LEGEND AND ABBREVIATIONS