

NUMBER	DATE	DESCRIPTION
1	03.15.23	ADDENDUM 1
2	05.09.23	ADDENDUM 2

**FIRE PROTECTION SYMBOLS**

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.			
ABBREVIATIONS		FIRE ALARM	
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AFG	ABOVE FINISHED GRADE	OC	ON CENTER
CD	CANDELA	PH	POST INDICATOR VALVE
DI	DUCTILE IRON	PF	PROVIDE FURNISH AND INSTALL
ESFR	EARLY SUPPRESSION FAST RESPONSE	PRV	PRESSURE REDUCING VALVE
ETR	EXISTING TO REMAIN	RD	RETURN DUCT
FHC	FIRE HOSE CABINET	REV	REVISION
FP	FIRE PROTECTION CONTRACTOR	SD	SUPPLY DUCT
GC	GALLONS PER MINUTE	SF	SQUARE FEET
JB/BOX	JUNCTION BOX	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTES OTHERWISE
MIN	MINIMUM	V	VOLTS
N/A	NOT APPLICABLE	W	WATTS
		WP	WEATHERPROOF
<b>ANNOTATION</b>			
①	FIRE PROTECTION PLAN NOTE CALLOUT	Ⓜ	MONITOR MODULE
⊕	CONNECTION POINT OF NEW WORK TO EXISTING	Ⓜ	MONITOR MODULE
① E1	DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER	Ⓜ	MONITOR MODULE
⊕	SECTION CUT DESIGNATION	Ⓜ	MONITOR MODULE
⊕	DEDICATED EQUIPMENT ACCESS TILE	Ⓜ	MONITOR MODULE
⊕	ACCESS PANEL	Ⓜ	MONITOR MODULE
<b>FIRE SPRINKLERS</b>			
○	UPRIGHT SPRINKLER	Ⓜ	MONITOR MODULE
○	PENDENT SPRINKLER	Ⓜ	MONITOR MODULE
○	CONCEALED SPRINKLER	Ⓜ	MONITOR MODULE
○	DRY PENDENT SPRINKLER	Ⓜ	MONITOR MODULE
○	DRY SIDEWALL SPRINKLER	Ⓜ	MONITOR MODULE
○	SIDEWALL SPRINKLER	Ⓜ	MONITOR MODULE
<b>FIRE SPRINKLER PIPING</b>			
—FP—	FIRE PROTECTION (FP)	Ⓜ	MONITOR MODULE
—S—	SHUTOFF VALVE	Ⓜ	MONITOR MODULE
—C—	CHECK VALVE	Ⓜ	MONITOR MODULE
—B—	BACKFLOW PREVENTER	Ⓜ	MONITOR MODULE
—CAP	CAP	Ⓜ	MONITOR MODULE
—E—	ELBOW UP	Ⓜ	MONITOR MODULE
—D—	ELBOW DOWN	Ⓜ	MONITOR MODULE
—T—	TEE UP	Ⓜ	MONITOR MODULE
—D—	TEE DOWN	Ⓜ	MONITOR MODULE
—F—	FIRE DEPARTMENT CONNECTION	Ⓜ	MONITOR MODULE
—P—	FIRE PUMP TEST HEADER	Ⓜ	MONITOR MODULE
—I—	INSPECTOR'S TEST CONNECTION / AUXILIARY DRAIN	Ⓜ	MONITOR MODULE
—R—	SPRINKLER RISER	Ⓜ	MONITOR MODULE
—C—	TOP BEAM CLAMP	Ⓜ	MONITOR MODULE
—H—	TRAPEZE HANGER	Ⓜ	MONITOR MODULE
<b>STANDARD MOUNTING HEIGHTS</b>			
AUDIBLE APPLIANCE (TOP OF APPLIANCE)	90"	THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASING DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.	
FIRE ALARM BELL (EXTENSION) (CENTERLINE)	60"		
FIRE ALARM BELL (EXTENSION) (CENTERLINE)	120"		
FIRE ALARM CONTROL PANEL/UNIT (TOP OF DISPLAY)	60"		
PULL STATION (TOP OF DEVICE)	48"	EXISTING _____ NEW _____	
VISIBLE APPLIANCE (CENTERLINE)	84"		
<b>LINETYPE LEGEND</b>			
THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASING DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.			
<b>HATCHING LEGEND</b>			
ENLARGED PLAN			
NOT IN SCOPE (NS)			
EXTERIOR BUILDING PROJECTION			

**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION.
7. WHERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT DATA ROOMS, AVI ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**STANDPIPE GENERAL NOTES:**

1. STANDPIPE SYSTEM SHALL BE A CLASS I MANUAL WET SYSTEM. PROVIDE 2-1/2" HOSE CONNECTIONS WITH 1 1/2" REDUCERS.
2. STANDPIPE SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 14. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. LAYOUT SYSTEM, PERFORM REQUIRED CALCULATIONS AND COORDINATE WITH OTHER TRADES.
4. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION AND TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
5. FORWARD COMPLETED CONTRACTOR MATERIAL TEST CERTIFICATES TO THE OWNER.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**FIRE PROTECTION GENERAL NOTES:**

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THE PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE FINAL SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS, COORDINATION WITH ALL OTHER TRADES, AND SYSTEM CALCULATIONS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, ENGINEER, AND OWNER'S INSURER.
4. THE CONTRACTOR SHALL FOLLOW THE ENGINEER OF RECORD'S SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS EXCEPT WHERE MODIFICATION TO THE DESIGN IS NECESSARY. MODIFICATIONS SHALL BE REFLECTED IN THE CONTRACTOR'S SHOP DRAWINGS AND CALCULATIONS.
5. DEVIATIONS FROM ENGINEER'S DESIGN WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
6. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
7. WHERE EXISTING SYSTEMS ARE PRESENT, CONTRACTOR SHALL MODIFY, RELOCATE AND/OR PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED FOR SCOPE OF WORK AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH WALLS, CEILING, LIGHTS, DIFFUSERS, STRUCTURE, OBSTRUCTIONS, ETC. IN AREAS AFFECTED BY SCOPE OF WORK, NEW EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEMS. CONTRACTOR SHALL REMOVE ALL ABANDONED EQUIPMENT. COORDINATE SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT AND PROVIDE FIRE WATCH AND/OR INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, INSURANCE CARRIER OR OWNER.
8. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
9. FORWARD COMPLETED CERTIFICATE OF COMPLETION AND CONTRACTOR MATERIAL TEST CERTIFICATES TO THE OWNER.
10. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**WATER SUPPLY INFORMATION:**

OBTAINED FROM: CITY OF BENTONVILLE WATER  
 LOCATION: 1001 NE J STREET, FAYETTEVILLE, AR  
 DATE: 03/22/22  
 STATIC PRESSURE: 82 PSI  
 RESIDUAL PRESSURE: 64 PSI  
 WATER FLOW: 1113 GPM





**FIRE PROTECTION PLAN NOTES:**  
 F50 INCOMING 8" FIRE LINE. SEE CIVIL FOR CONTINUATION.  
 F51 SITE FIRE LINE. REFER TO CIVIL FOR CONTINUATION.  
 F52 FIRE DEPARTMENT CONNECTION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**POLK STANLEY WILCOX**  
 801 South Spring Street  
 Little Rock, AR 72201  
 501.378.0878 office  
 509 W. Spring St. | Suite 150  
 Fayetteville, AR 72701  
 479.444.0073 office  
 polkstanleywilcox.com

**CIVIL**  
**McClain Consulting Engineers, Inc.**  
 1980 E STEARNS ST  
 FAYETTEVILLE, AR 72703  
 P: 479.443.2377

**LANDSCAPE**  
**OSD**  
 115 ST. JOHN'S PLACE  
 BROOKLYN, NY 11217  
 P: 917.553.5886

**STRUCTURAL**  
**Martin Consulting Engineers**  
 808 SOUTH WALTON BLVD., STE. 27  
 BENTONVILLE, AR 72712  
 P: 479.497.0945

**MEP + LOW VOLTAGE**  
**Henderson Engineers**  
 8345 LEXIA DRIVE, STE. 300  
 LENEXA, KS 66244  
 P: 913.660.8157

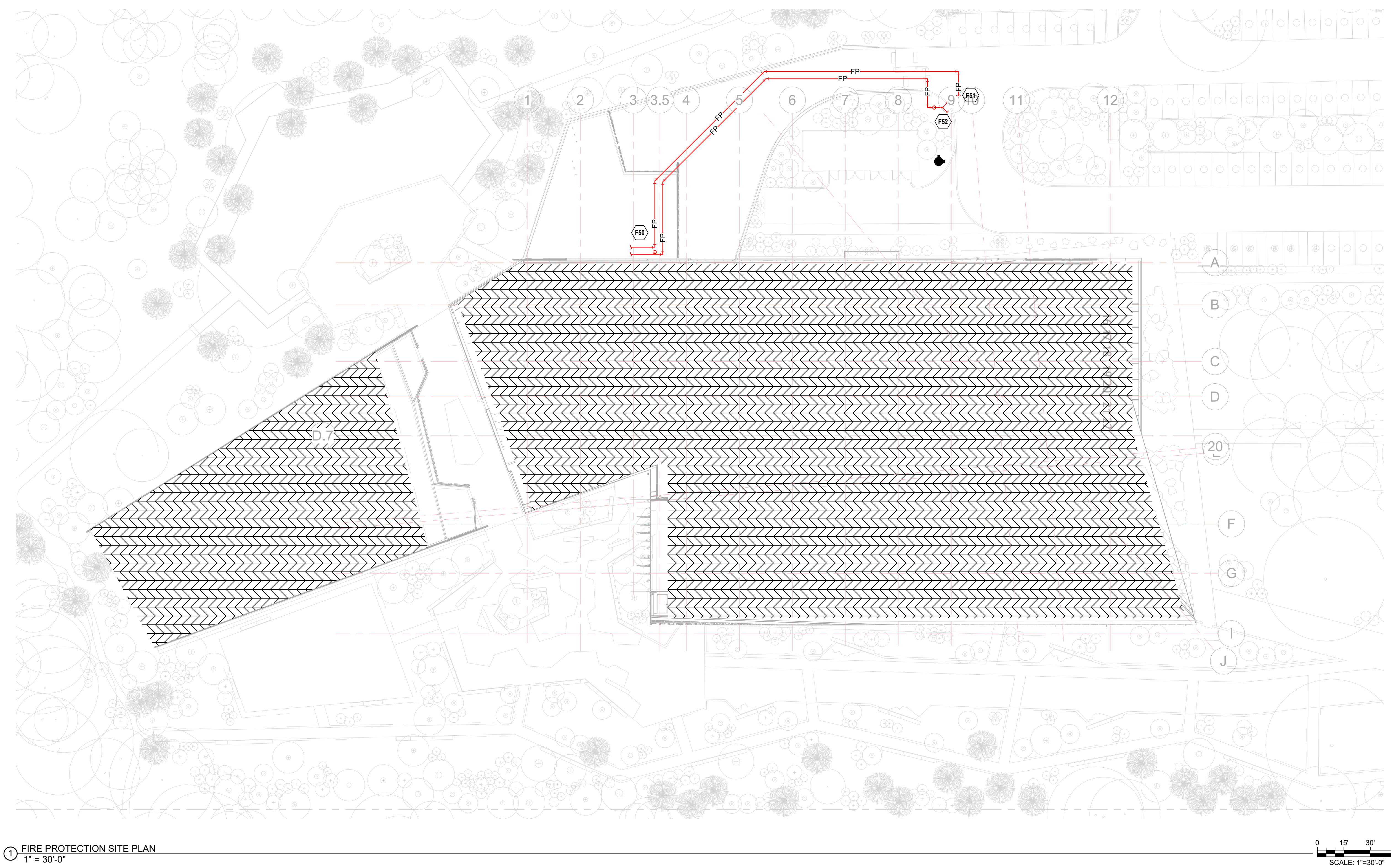
**SUSTAINABILITY**  
**SOM**  
 224 SOUTH MICHIGAN AVENUE  
 CHICAGO, IL 60604  
 P: 312.360.4121

**SIGNAGE + WAYFINDING**  
**TWO TWELVE**  
 236 W. 27th ST., SUITE 802  
 NEW YORK, NY 10001  
 P: 212.254.8670

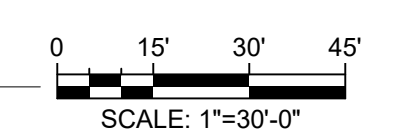
**FOOD SERVICE**  
**JME HOSPITALITY**  
 8055 SIX PINES DR., SUITE 8210  
 THE WOODLANDS, TX 77380  
 P: 832.641.2222

**WATER FEATURES**  
**OTL**  
 2150 S. TOWNE CENTER, SUITE 100  
 ANAHEIM, CA 92806  
 P: 714.637.4747

**IRRIGATION**  
**WC3 DESIGN**  
 11A ROBINSON MANOR BLVD.  
 ROCKEFELLER, PA 14136  
 P: 844.231.7042



1 FIRE PROTECTION SITE PLAN  
 1" = 30'-0"



PSW Job Number:  
**993A**  
 Henderson Job Number:  
**2150002607**

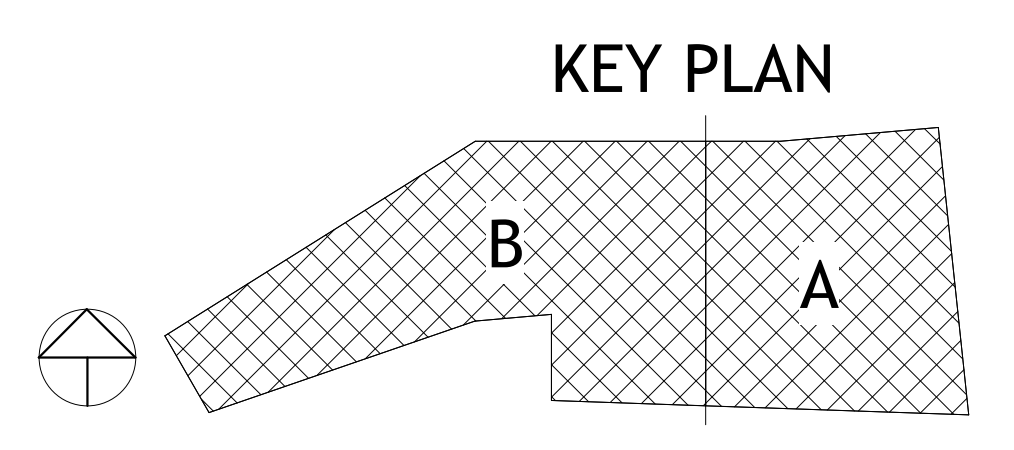
**AWSOM**  
 Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS

NUMBER	DATE	DESCRIPTION
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Contents:  
**FIRE PROTECTION SITE PLAN**

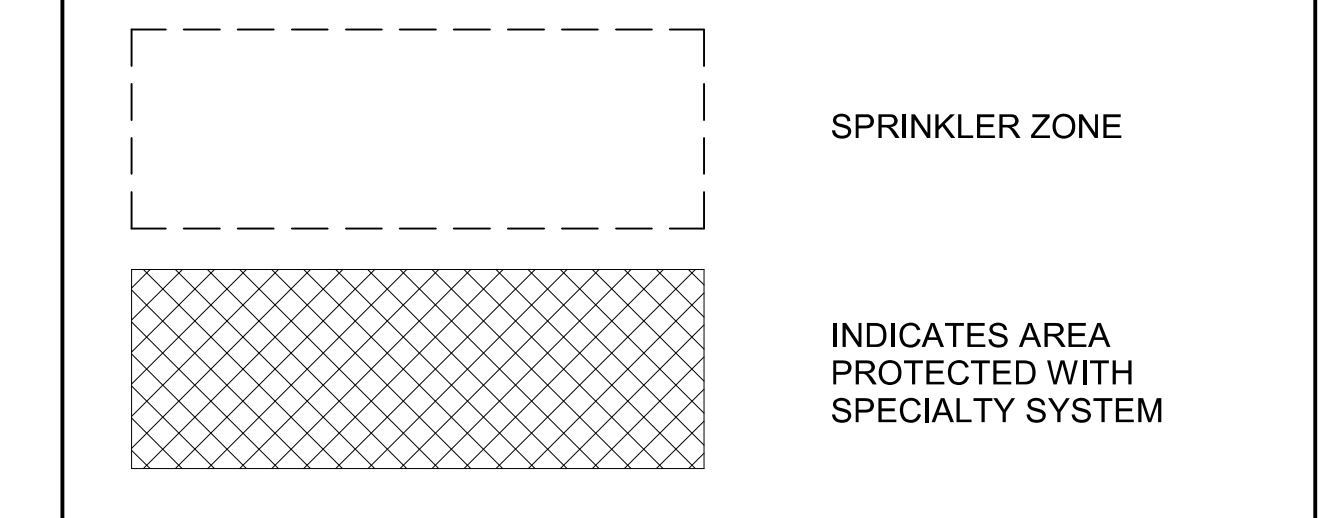


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**FP100.1**

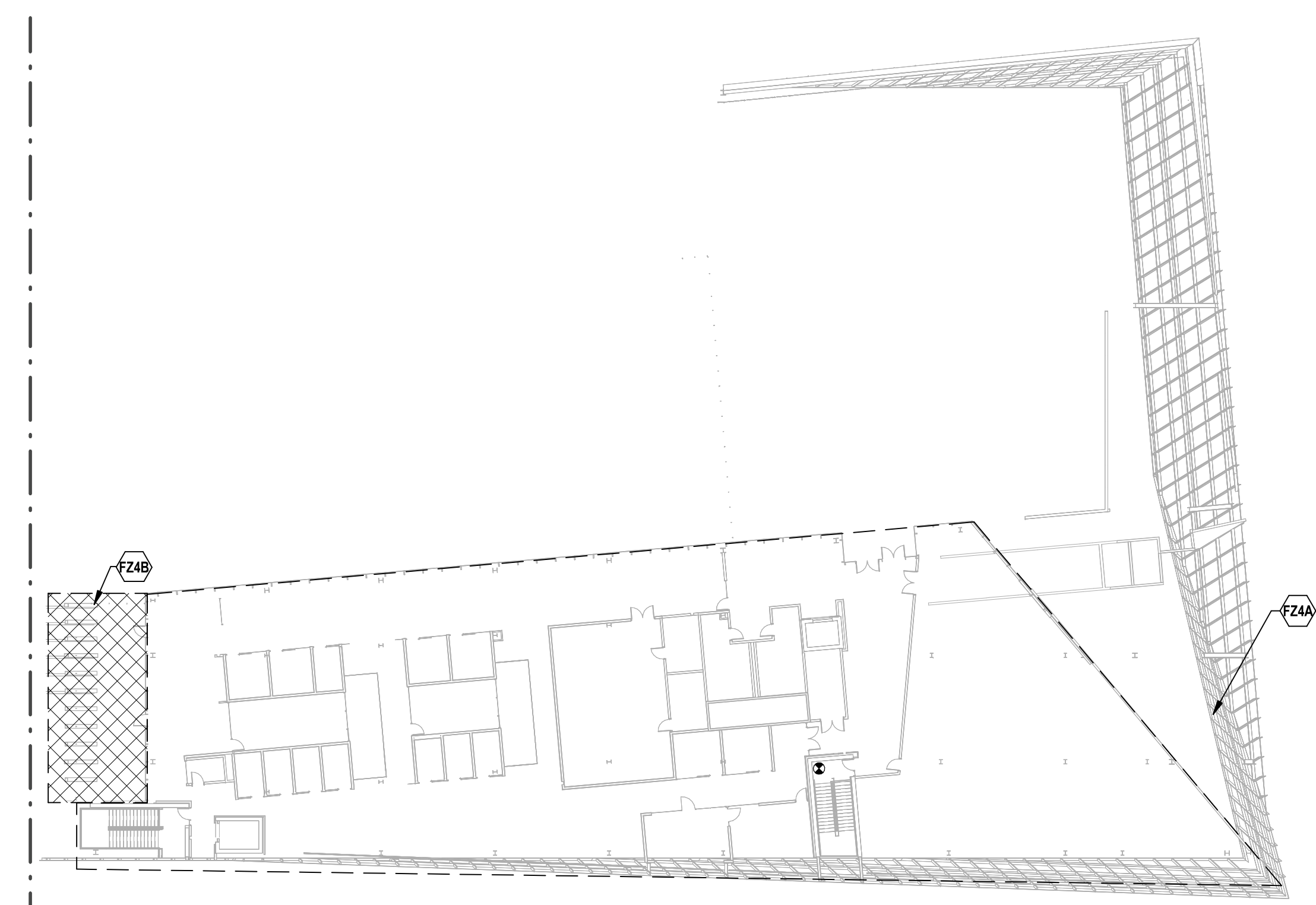


**FIRE PROTECTION PLAN NOTES:**  
F72 SPRINKLER PROTECTION CRITERIA IN THE PARKING GARAGE SHALL BE PROTECTED BY A MINIMUM OF ORDINARY HAZARD GROUP II (0.20 GPM/S.F. OVER 1,500 S.F.). DRY PIPE SYSTEM AREA INCREASE SHALL APPLY.

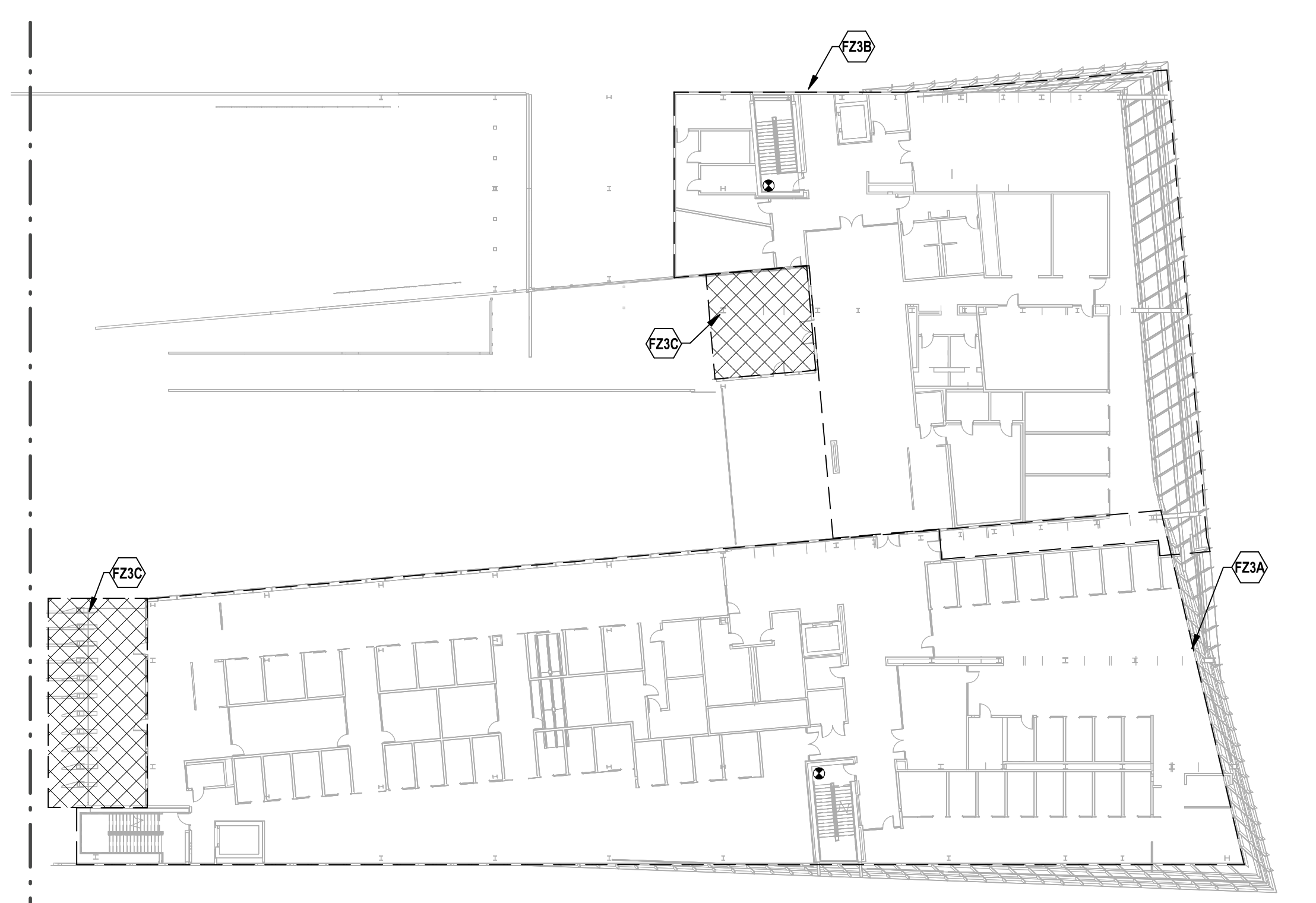
**FIRE SPRINKLER ZONE SCHEDULE**



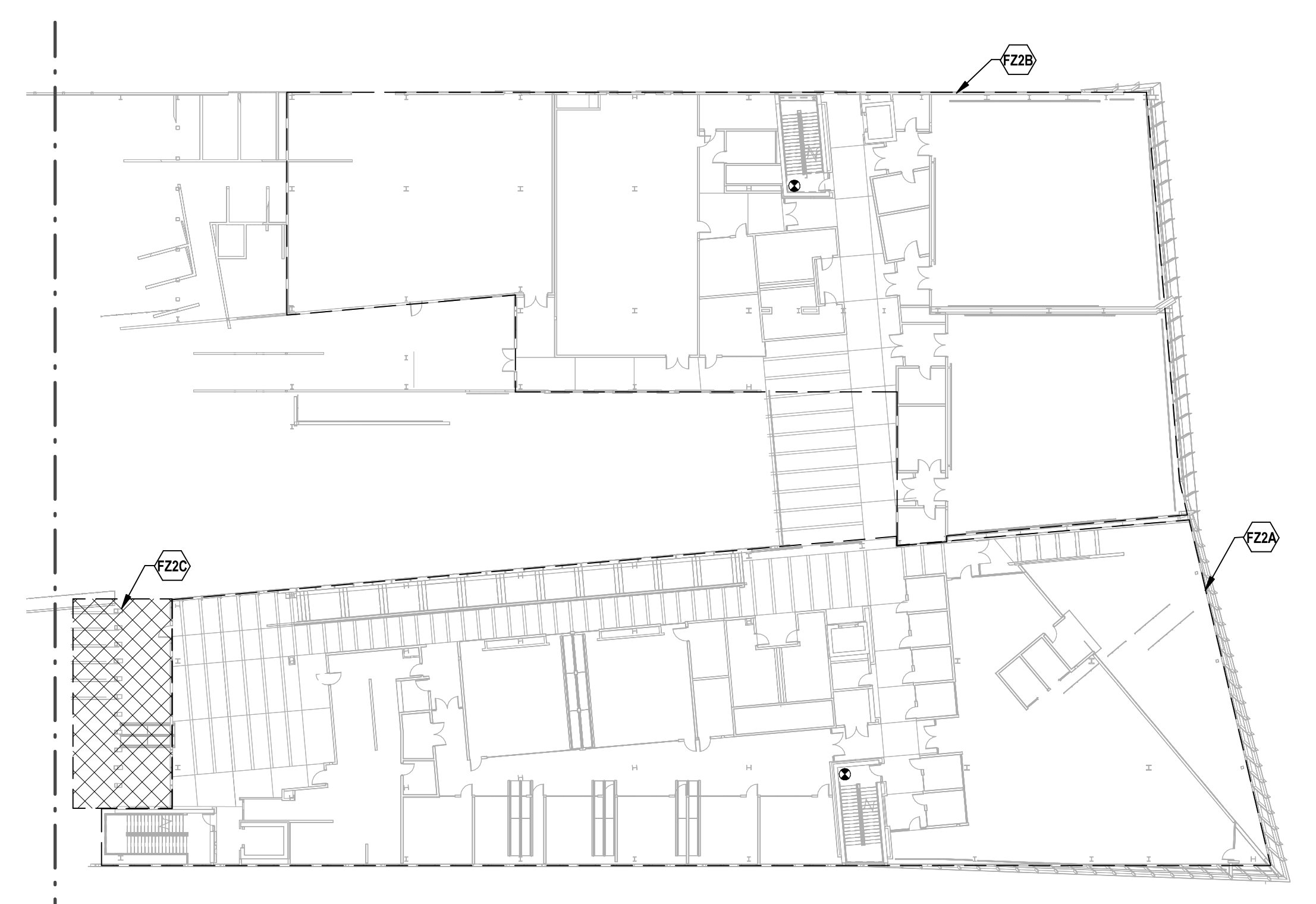
SPRINKLER ZONE	AREA(S) / LEVEL SERVED	SIZE	TYPE
ZONE #0A (FZ0A)	LEVEL 0, SYSTEM A	22,100 S.F.	DRY
ZONE #0B (FZ0B)	LEVEL 0, SYSTEM B	22,500 S.F.	DRY
ZONE #0C (FZ0C)	LEVEL 0, SYSTEM C	24,500 S.F.	DRY
ZONE #1A (FZ1A)	LEVEL 1, SYSTEM A	24,400 S.F.	WET
ZONE #1B (FZ1B)	LEVEL 1, SYSTEM B	35,800 S.F.	WET
ZONE #1C (FZ1C)	LEVEL 1, SYSTEM C	2400 S.F.	ANTIFREEZE
ZONE #1D (FZ1D)	LEVEL 1, SYSTEM D	8,300 S.F.	PREACTION
ZONE #1E (FZ1E)	LEVEL 1, SYSTEM E	3,400 S.F.	PREACTION
ZONE #1F (FZ1F)	LEVEL 1, SYSTEM F	5,650 S.F.	ANTIFREEZE
ZONE #2A (FZ2A)	LEVEL 2, SYSTEM A	22,900 S.F.	WET
ZONE #2B (FZ2B)	LEVEL 2, SYSTEM B	19,400 S.F.	WET
ZONE #2C (FZ2C)	LEVEL 2, SYSTEM C	1,430 S.F.	WET (HEAT TRACE)
ZONE #3A (FZ3A)	LEVEL 3, SYSTEM A	23,100 S.F.	WET
ZONE #3B (FZ3B)	LEVEL 3, SYSTEM B	13,600 S.F.	WET
ZONE #3C (FZ3C)	LEVEL 3, SYSTEM C	2,160 S.F.	WET (HEAT TRACE)
ZONE #4A (FZ4A)	LEVEL 4, SYSTEM A	22,400 S.F.	WET
ZONE #4B (FZ4B)	LEVEL 4, SYSTEM B	1,430 S.F.	WET (HEAT TRACE)



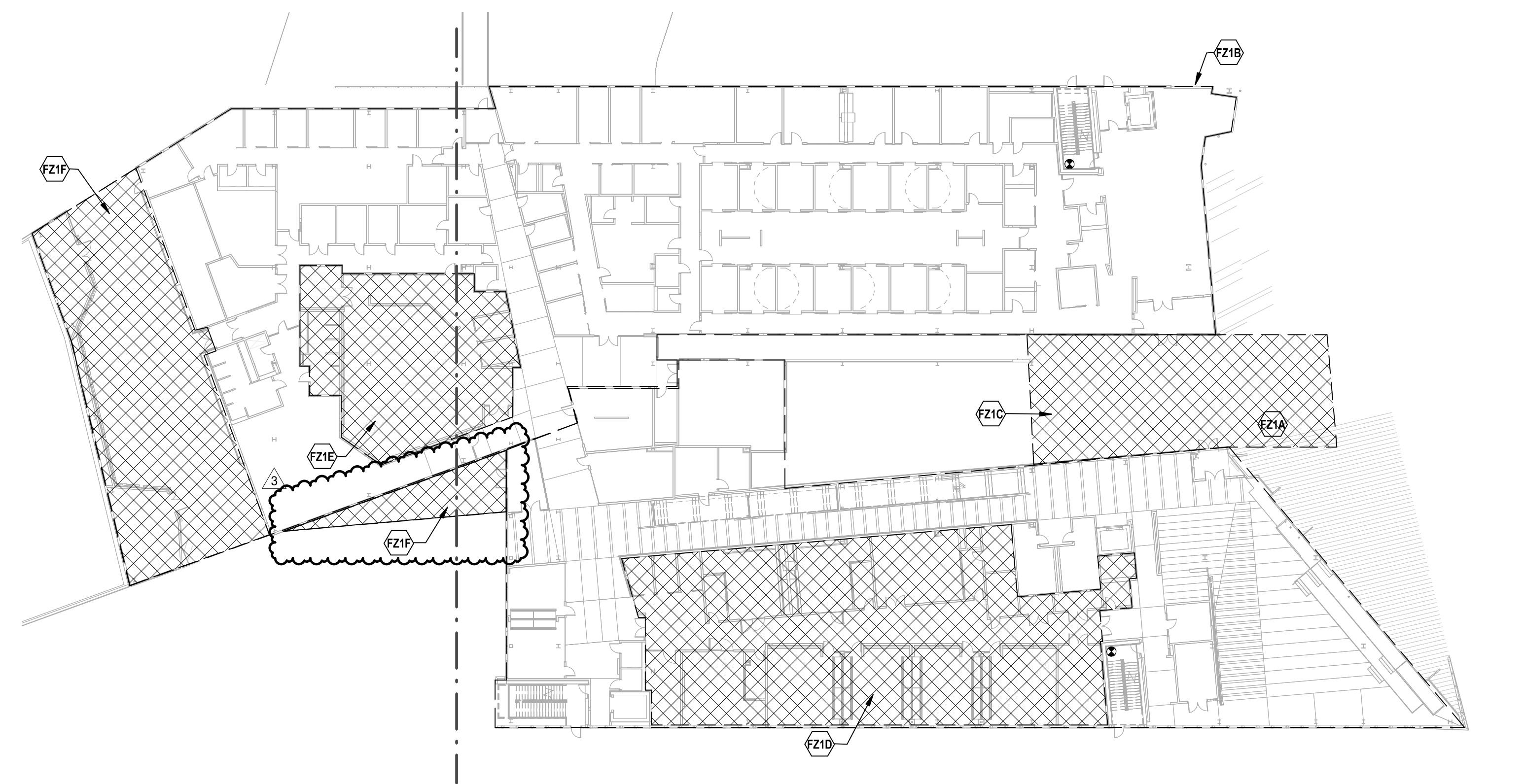
④ FIRE SPRINKLER - LEVEL 4 ZONE PLAN  
1" = 30'-0"



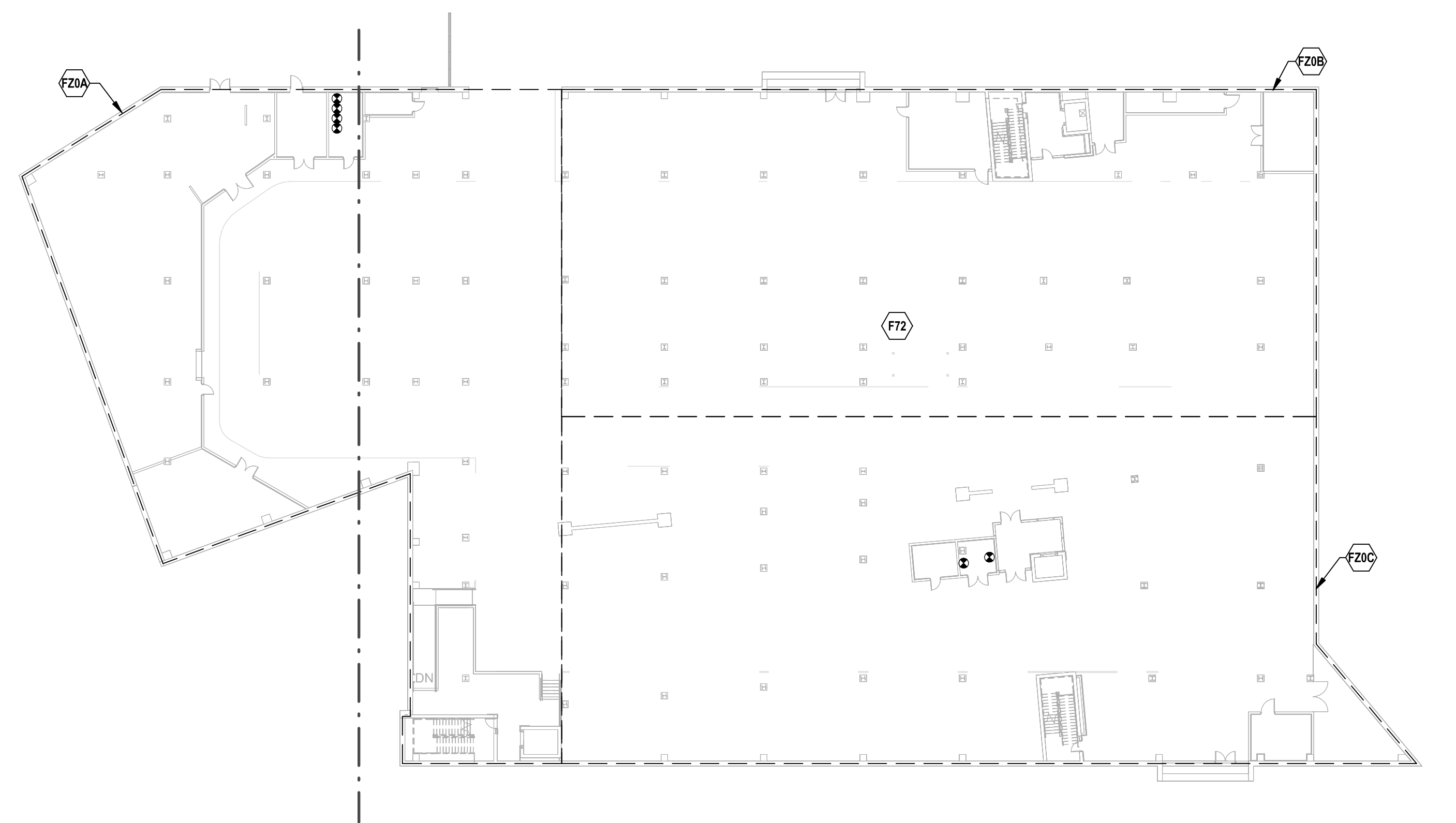
③ FIRE SPRINKLER - LEVEL 3 ZONE PLAN  
1" = 30'-0"



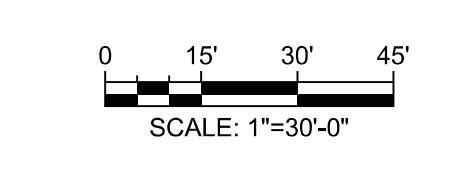
② FIRE SPRINKLER - LEVEL 2 ZONE PLAN  
1" = 30'-0"



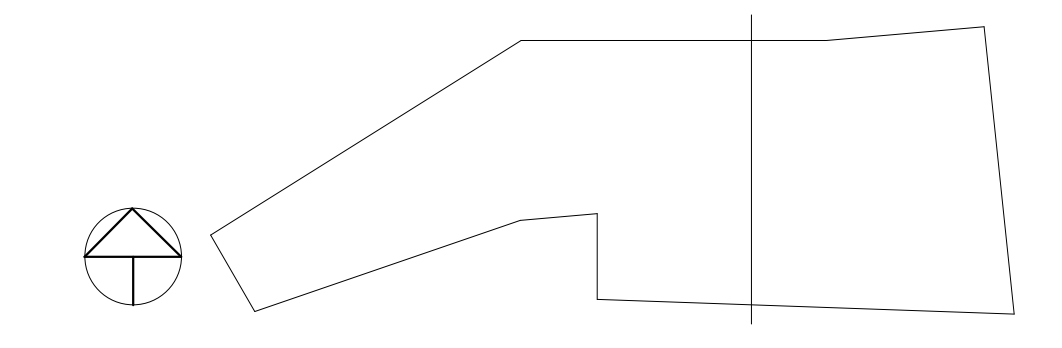
① FIRE SPRINKLER - LEVEL 1 ZONE PLAN  
1" = 30'-0"



① FIRE SPRINKLER - LEVEL 0 ZONE PLAN  
1" = 30'-0"



**KEY PLAN**



PSW Job Number:  
**993A**

Henderson Job Number:  
**2150002607**



05/21/2024

**AWSOM**  
Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	06.29.23	Addendum 2
3	02.14.24	Revised

Contents:  
**FIRE PROTECTION SYSTEM ZONE PLANS**



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

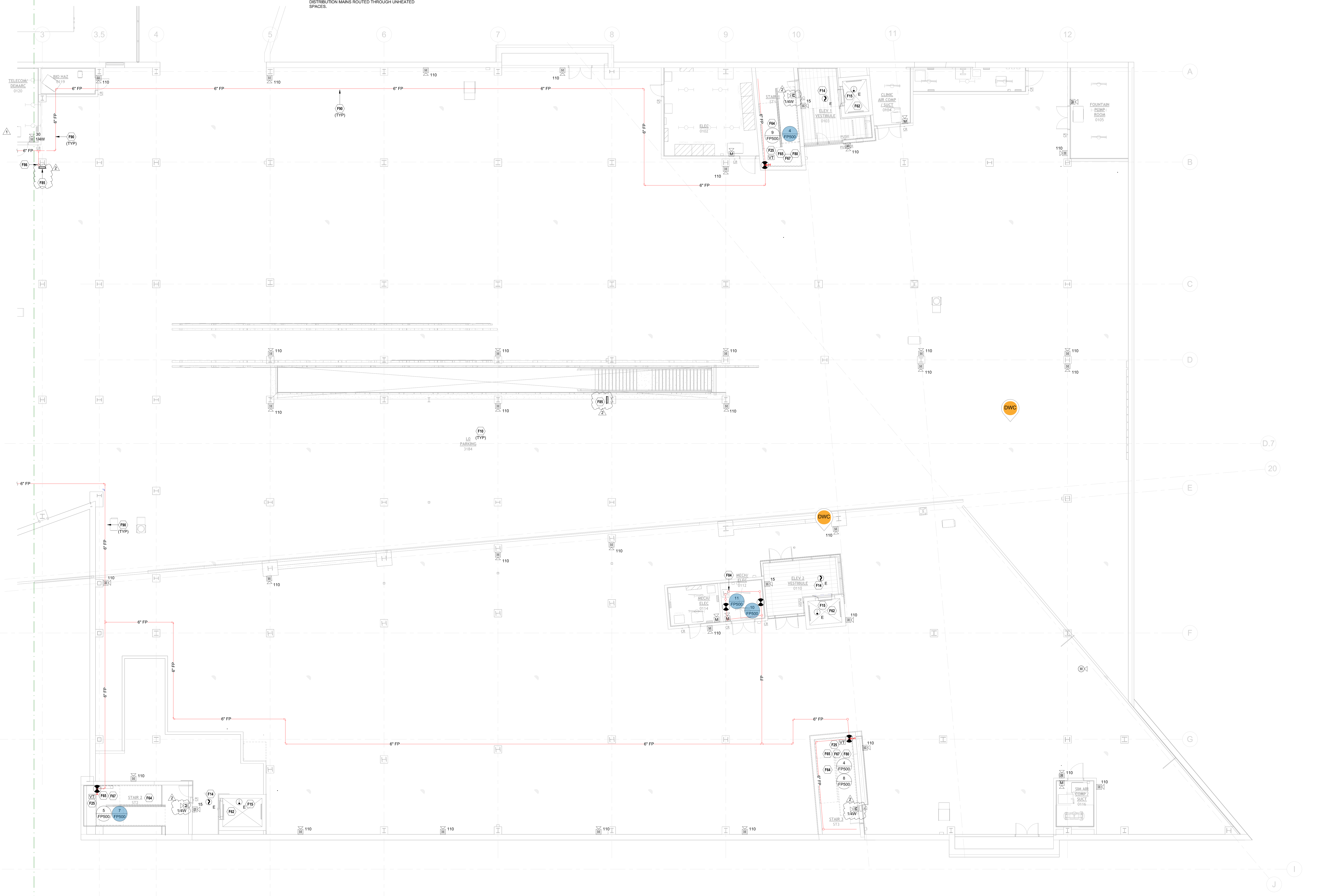
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURERS DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT DATA ROOMS, AV/ ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

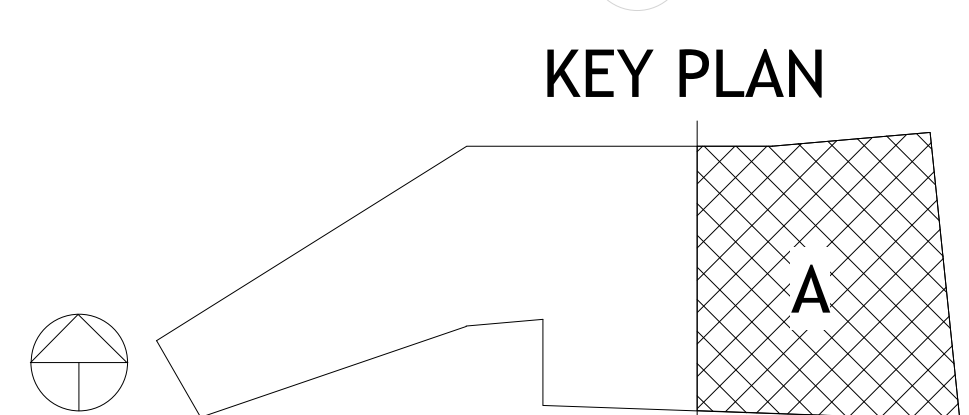
- F10 PROVIDE FIRE ALARM EQUIPMENT SUITABLE FOR ENVIRONMENTAL CONDITIONS.
- F14 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F15 PROVIDE HEAT DETECTOR(S) WITHIN 2 FEET OF ALL SPRINKLERS IN AREA DESIGNATED. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F25 CONNECT VALVE TAMPER SUPERVISORY SWITCH FOR STANDPIPE CONTROL VALVE TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH SPRINKLER SYSTEM.
- F82 INSTALL SIDEWALL SPRINKLER WITHIN 2 FEET OF ELEVATOR HOISTWAY PIT FLOOR.
- F84 PROVIDE SPRINKLER PROTECTION AT THE TOP OF STAIRWAY AND BENEATH THE LOWEST STAIRWAY LANDING.

**FIRE PROTECTION PLAN NOTES:**

- F65 PROVIDE SUPERVISED STANDPIPE ISOLATION VALVE.
- F67 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.
- F80 MINIMUM 6" COMBINATION STANDPIPE SPRINKLER RISER WITH 2-1/2" HOSE VALVE, CAP AND CHAIN. PROVIDE COMBINATION INSPECTORS TEST AND DRINK ASSEMBLY WITH SPRINKLER CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH, AND CHECK VALVE. ROUTE GRAB RISER PARALLEL TO STANDPIPE RISER.
- F84 ANTIFREEZE SUPPLY LINE ROUTED UP CHASE TO LEVEL 1.
- F85 PROVIDE HOSE VALVE CABINET WITH 2-1/2" STANDPIPE HOSE VALVE CONNECTION.
- F86 PREACTION SYSTEM SUPPLY.
- F80 STANDPIPE SUPPLY PIPING.



1 FIRE PROTECTION - LEVEL 0 RCP - AREA A  
1/8" = 1'-0" SCALE: 1/8"=1'-0"



**POLK STANLEY WILCOX**  
811 South Spring Street  
Little Rock, AR 72201  
501.379.0879 office  
509 W. Spring St. | Suite 150  
Fayetteville, AR 72703  
479.444.0473 office  
polkstanleywilcox.com

**CIVIL**  
McClendon Consulting Engineers, Inc.  
1901 S. STUBBS ST  
FAYETTEVILLE, AR 72703  
P: 479.443.2377

**LANDSCAPE**  
OSD  
115 ST. JOHNS PLACE  
BROOKLYN, NY 11217  
P: 917.533.5588

**STRUCTURAL**  
Martin/Martin Consulting Engineers  
9008 SOUTH WALTON BLVD., STE 27  
BENTONVILLE, AR 72712  
P: 479.467.7965

**MFP - LOW VOLTAGE**  
Henderson Engineers  
8345 LENSEA DRIVE, STE 300  
LENEXA, KS 66214  
P: 913.680.8187

**SUSTAINABILITY**  
SOM  
224 SOUTH MICHIGAN AVENUE  
CHICAGO, IL 60604  
P: 312.864.4121

**SIGNAGE - WAYFINDING**  
TWO TWELVE  
200 W. 27th ST., SUITE 802  
NEW YORK, NY 10001  
P: 212.254.8070

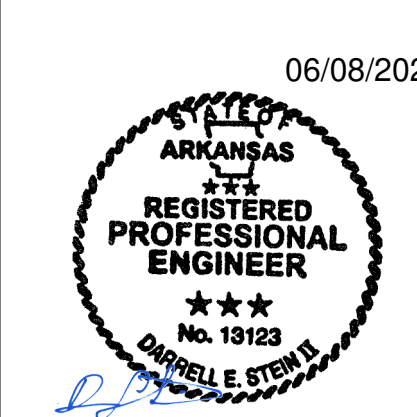
**FOOD SERVICE**  
JME HOSPITALITY  
9505 SIX PINES DR., SUITE 8210  
THE WOODLANDS, TX 77380  
P: 609.641.2222

**WATER FEATURES**  
OTL  
210 S. TOWNE CENTER, SUITE 100  
ANN ARBOR, CA 95006  
P: 714.637.4747

**IRRIGATION**  
WCS DESIGN  
114 ROBINSON MANOR BLVD.  
MOCKEES ROCK, PA 14138  
P: 844.231.1042

PSW Job Number:  
**993A**

Henderson Job Number:  
**2150002607**



**AWSOM**  
Bentonville, AR

Issue Date:  
**02.24.2023**

NUMBER	DATE	DESCRIPTION
1	03.15.23	Issued for 1
2	08.29.23	Issued for 2

Contents:  
**FIRE PROTECTION - LEVEL 0 RCP - AREA A**



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

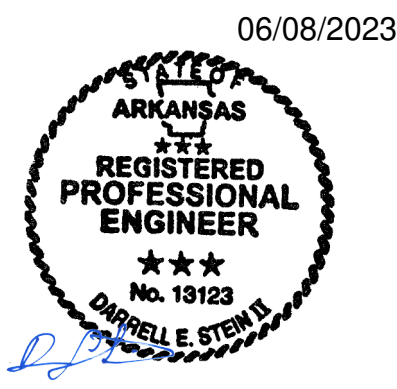
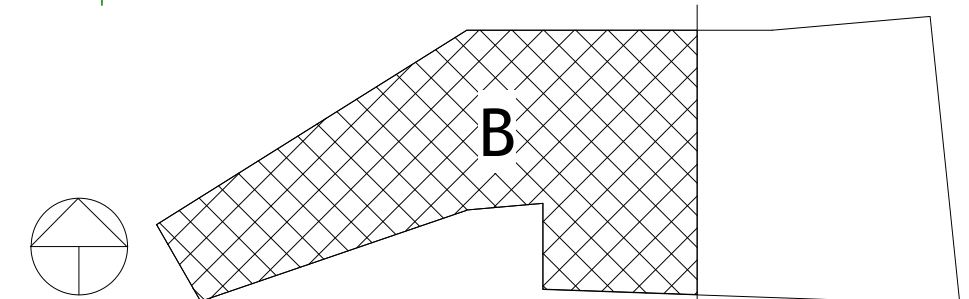
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURERS DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT/DATA ROOMS, AV/ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- F10 PROVIDE FIRE ALARM EQUIPMENT SUITABLE FOR ENVIRONMENTAL CONDITIONS.
- F16 PROVIDE DUCT MOUNTED SMOKE DETECTOR FOR FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT SHUTDOWN. INSTALL DETECTOR PER MANUFACTURERS RECOMMENDATIONS. REFER TO MECHANICAL SHEETS FOR EQUIPMENT AND DUCTWORK LAYOUT AND DETAILS.
- F19 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION ON WALL AT 48" AFF.
- F36 PROVIDE EQUIPMENT AND CONNECTIONS TO OVERRIDE ACCESS CONTROLS AND ELECTRONIC LOCKS. UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F60 INCOMING 6" FIRE LINE, SEE CIVIL FOR CONTINUATION.
- F85 PROVIDE HOSE VALVE CABINET WITH 2-1/2" STANDPIPE HOSE VALVE CONNECTION.
- F86 PRE-ACTION SYSTEM SUPPLY.
- F90 STANDPIPE SUPPLY PIPING.



1 FIRE PROTECTION - LEVEL 0 RCP - AREA B  
 1/8" = 1'-0" SCALE: 1/8"=1'-0"

**KEY PLAN**

NUMBER	DATE	DESCRIPTION
1	03.15.23	ADDENDUM 1
2	05.09.23	ADDENDUM 2



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA. REFER TO **SECTION 2** FOR ADDITIONAL INFORMATION.
7. WET AND ANTIFREEZE SYSTEMS ARE PROVIDED. SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT DATA ROOMS, ANY ROOMS OR SIMILAR PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- F4 PROVIDE NEW REMOTE FIRE ALARM ANNUCIATOR PANEL.
- F7 PROVIDE NEW MASS NOTIFICATION LOCAL OPERATING CONSOLE.
- F13 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM. COORDINATE QUANTITIES AND LOCATIONS WITH TECHNOLOGY PLANS. REFER TO AUDIO/VIDEO SIGNAL FLOW PLANS FOR ADDITIONAL INFORMATION.
- F14 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.

**FIRE PROTECTION PLAN NOTES:**

- F18 PROVIDE DUCT-MOUNTED SHAKE DETECTOR (OR AREA DETECTOR IF APPLICABLE) FOR FIRE/RISER DAMPER ACTIVATION. DETECTOR SHALL BE INSTALLED WITHIN 5 FEET OF DAMPER PER NFPA 72. REFER TO MECHANICAL SHEETS FOR EXACT LOCATION OF DAMPERS. THE DETECTOR SELECTED SHALL BE SUITABLE FOR THE AIRFLOW PRESENT IN THE DUCT.
- F19 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION ON WALL AT 48" AFF.
- F20 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION IN CEILING.
- F21 SMOKE DETECTION PROVIDED IN THIS ROOM AND ASSOCIATED SPACES FOR ACTIVATION OF THE PRE-ACTION SPRINKLER SYSTEM.

**FIRE PROTECTION PLAN NOTES:**

- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.
- F36 PROVIDE EQUIPMENT AND CONNECTIONS TO OVERIDE ACCESS CONTROLS AND ELECTRONIC LOCKS. UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F56 DO NOT ROUTE SPRINKLER PIPING ABOVE ELECTRICAL DISTRIBUTION EQUIPMENT.
- F67 PROVIDE 2-1/2" STANDPIPE HOSE VALVE, CAP AND CHAIN.
- F68 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.
- F70 EXTERIOR PROTECTION NONCOMBUSTIBLE CONSTRUCTION. FIXED PERMANENT WATER FEATURES BELOW LIMITED PEDESTRIAN USE ONLY. NO STORAGE OF COMBUSTIBLES OR PERMANENT SEATING. SPRINKLER SUPPRESSION NOT REQUIRED FOR PROTECTION PER NFPA 13.
- F76 INSTALL ANTIFREEZE SPRINKLERS TO PROTECT EXTERIOR COVERED WALKWAY.
- F77 PROTECT AREA WITH SPRINKLERS ABOVE AND BELOW CLOUD CEILING IN ACCORDANCE WITH NFPA 13.
- F80 MINIMUM 4" COMBINATION STANDPIPE SPRINKLER RISER WITH 2-1/2" HOSE VALVE, CAP AND CHAIN. PROVIDE COMBINATION INSPECTORS TEST AND DRAIN ASSEMBLY WITH SPRINKLER CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH AND CHECK VALVE. ROUTE DRAIN RISER PARALLEL TO STANDPIPE RISER.
- F83 ANTIFREEZE SYSTEM SUPPLY.
- F85 PROVIDE HOSE VALVE CABINET WITH 2-1/2" STANDPIPE HOSE VALVE CONNECTION.
- F86 PRE-ACTION SYSTEM SUPPLY.

**McCalland Consulting Engineers, Inc.**  
 1580 E STEARNS ST  
 FAYETTEVILLE, AR 72703  
 P: 479.443.2372

**LANDSCAPE**  
 OSD  
 115 ST. JOHNS PLACE  
 BROOKLYN, NY 11217  
 P: 917.553.5886

**STRUCTURAL**  
 Martin Consulting Engineers  
 806 SOUTH WALTON BLVD., STE. 107  
 BENTONVILLE, AR 72712  
 P: 479.483.0946

**MEPP - LOW VOLTAGE**  
 Henderson Engineers  
 8340 LENOVA DRIVE, STE 300  
 LENOX, MA 01924  
 P: 913.660.8187

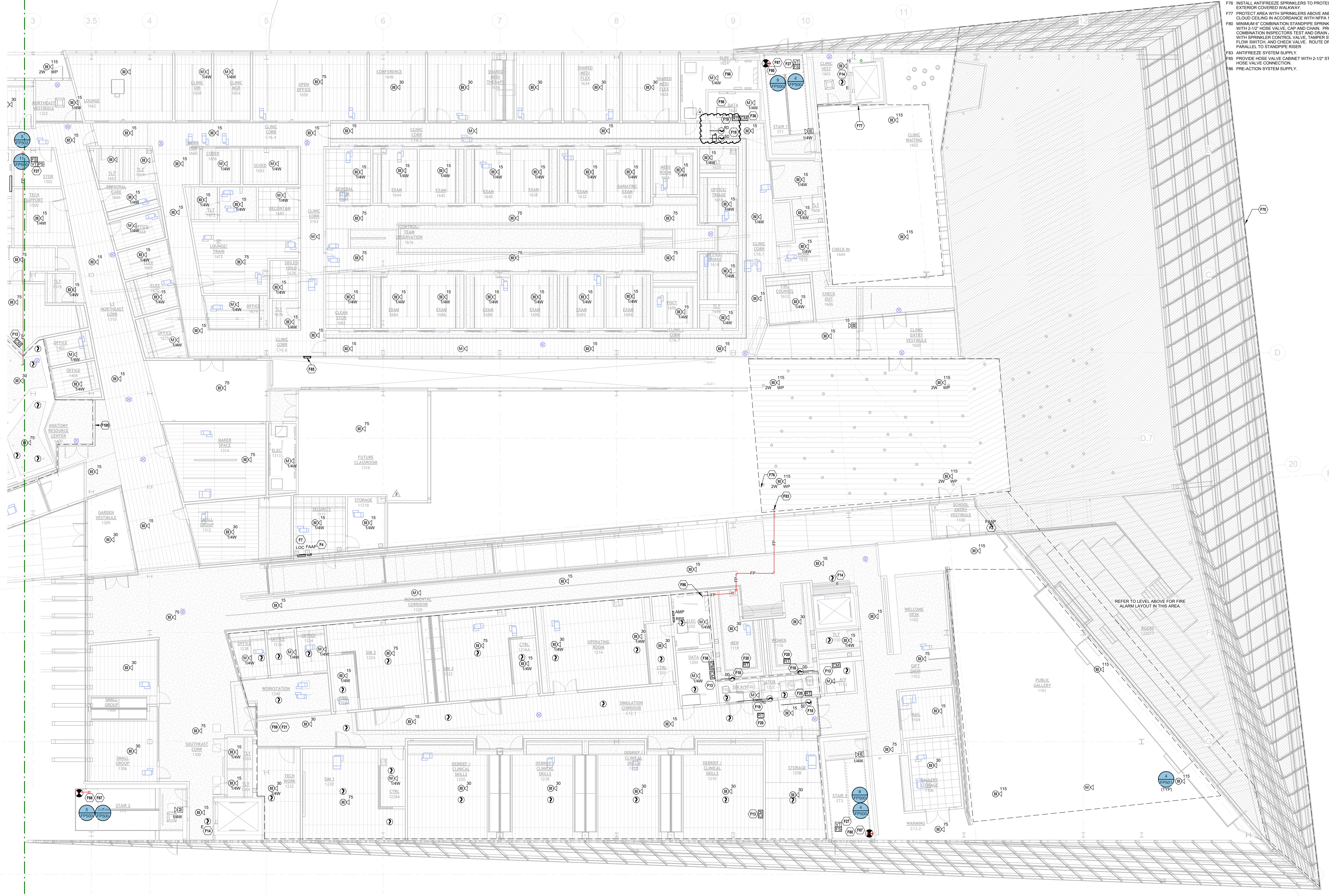
**SUSTAINABILITY**  
 SOM  
 224 SOUTH MICHIGAN AVENUE  
 CHICAGO, IL 60604  
 P: 312.362.4121

**SIGNAGE - WAYFINDING**  
 TWO TWELVE  
 238 W. 29th ST., SUITE 802  
 NEW YORK, NY 10001  
 P: 212.254.9870

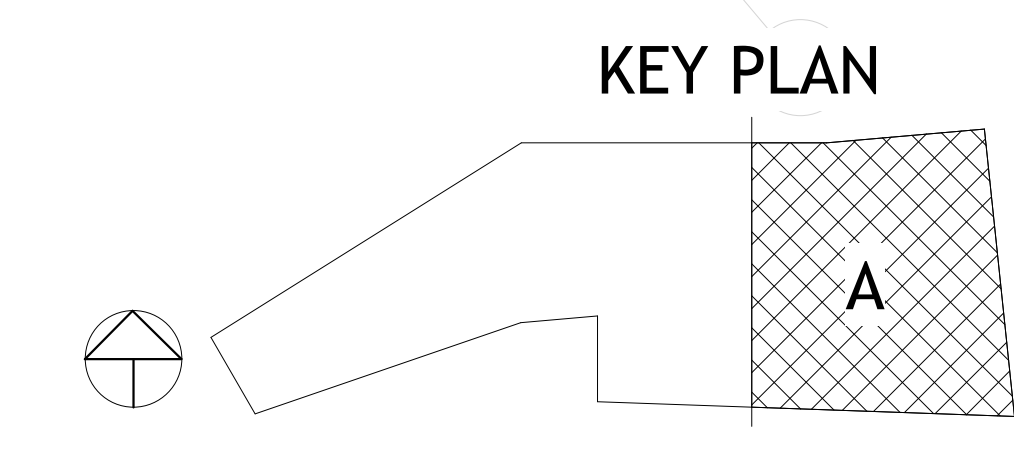
**FOOD SERVICE**  
 JMC HOSPITALITY  
 8566 SAUNDERS DR., SUITE 8210  
 THE WOODLANDS, TX 77380  
 P: 681.641.2222

**WATER FEATURES**  
 OTL  
 2150 S. TOWNE CENTER, SUITE 100  
 ANAHEIM, CA 92806  
 P: 714.637.4747

**IRRIGATION**  
 WC3 DESIGN  
 11A ROBINSON MANOR BLVD.  
 ROCKERS, PA 15185  
 P: 844.231.7042



1 FIRE PROTECTION - LEVEL 1 RCP - AREA A  
 1/8" = 1'-0"  
 SCALE: 1/8"=1'-0"



PSW Job Number:  
**993A**

Henderson Job Number:  
**2150002607**

09/05/2024

**REGISTERED PROFESSIONAL ENGINEER**

**AWSOM**  
 Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	ADDENDUM 1
2	06.29.23	ADDENDUM 2
3	04.18.24	REVISED
4	09.24.24	REVISED

Consents:  
**FIRE PROTECTION - LEVEL 1 RCP - AREA A**



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

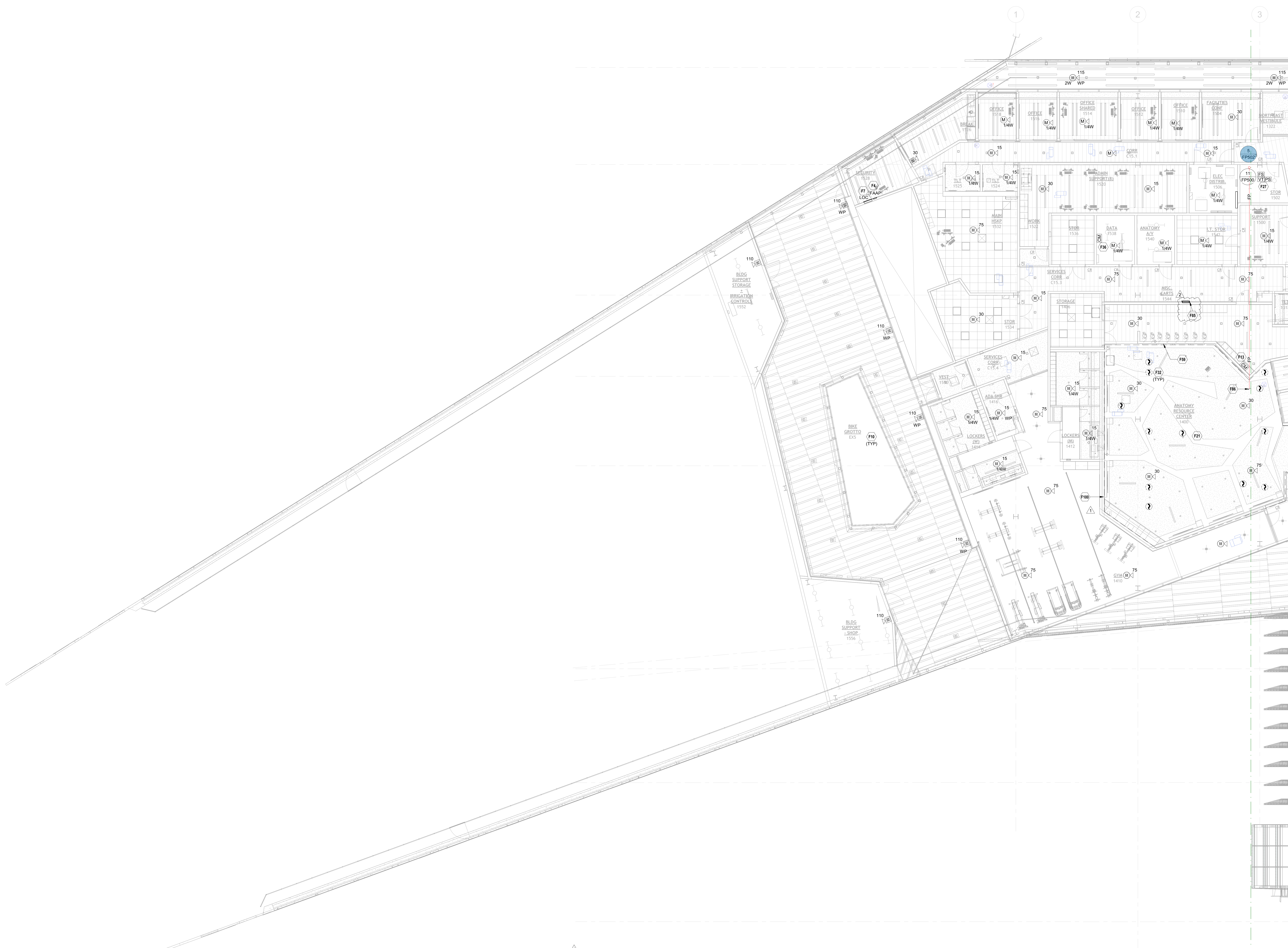
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURERS DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT DATA ROOMS, AV/ROOMS OR SIMILAR, PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

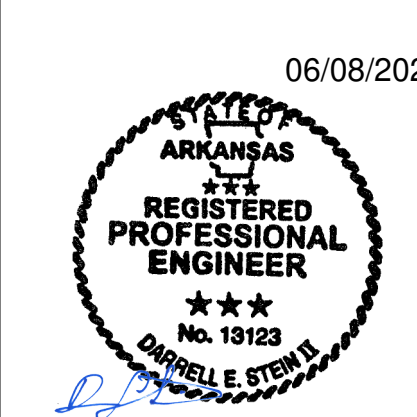
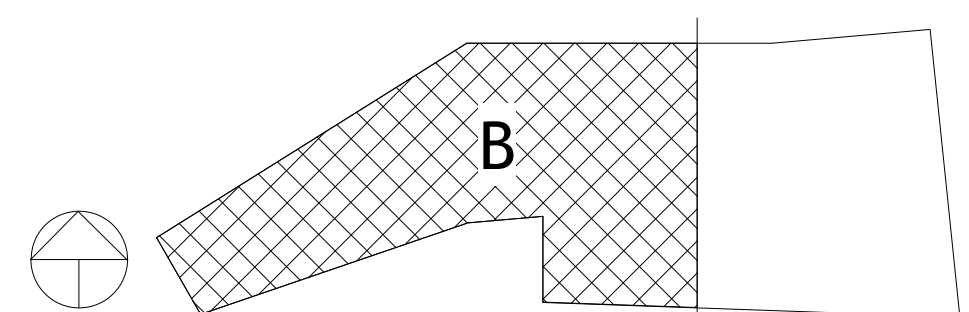
- F4 PROVIDE NEW REMOTE FIRE ALARM ANNUNCIATOR PANEL.
- F7 PROVIDE NEW MASS NOTIFICATION LOCAL OPERATING CONSOLE.
- F10 PROVIDE FIRE ALARM EQUIPMENT SUITABLE FOR ENVIRONMENTAL CONDITIONS.
- F13 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM. COORDINATE QUANTITIES AND LOCATIONS WITH TECHNOLOGY PLANS. REFER TO AUDIO VIDEO SIGNAL FLOW PLANS FOR ADDITIONAL INFORMATION.
- F21 SMOKE DETECTION PROVIDED IN THIS ROOM AND ASSOCIATED SPACES FOR ACTIVATION OF THE PREACTION SPRINKLER SYSTEM.
- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.

**FIRE PROTECTION PLAN NOTES:**

- F32 DASHED LINE TYPE INDICATES DEVICE TO BE INSTALLED ABOVE CEILING AT GRC.
- F36 PROVIDE EQUIPMENT AND CONNECTION(S) TO OVERRIDE ACCESS CONTROLS AND ELECTRONIC LOCKS, UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F59 PROVIDE DOUBLE INTERLOCK PREACTION SPRINKLER SYSTEM FOR AREA INDICATED.
- F85 PROVIDE HOSE VALVE CABINET WITH 2-1/2" STANDPIPE HOSE VALVE CONNECTION.
- F86 PRE-ACTION SYSTEM SUPPLY.



1 FIRE PROTECTION - LEVEL 1 RCP - AREA B  
 1/8" = 1'-0"  
 SCALE: 1/8"=1'-0"

**KEY PLAN**

NUMBER	DATE	DESCRIPTION
1	02.15.23	Issued for 1
2	02.24.23	Issued for 2



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLORS WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA. REFER TO **SECTION 2** FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, I.T. DATA ROOMS, ANY ROOMS OR SIMILAR PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- F2 PROVIDE REMOTE POWER SUPPLY TO POWER VISIBLE NOTIFICATION APPLIANCES.
- F3 PROVIDE REMOTE APPLIANCE FOR AUDIBLE NOTIFICATION APPLIANCES.
- F11 MOUNT NOTIFICATION APPLIANCE TO BOTTOM OF JOIST OR AT 30 FT AFF, WHICHEVER IS LOWER, IN ACCORDANCE WITH NFPA 72 REQUIREMENTS.
- F13 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM. COORDINATE QUANTITIES AND LOCATIONS WITH TECHNOLOGY PLANS. REFER TO AUDIO/VIDEO SIGNAL FLOW PLANS FOR ADDITIONAL INFORMATION.
- F14 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F18 PROVIDE DUCT MOUNTED SMOKE DETECTOR (OR AREA DETECTOR IF APPLICABLE) FOR PRESSURE DAMPER ACTIVATION. DETECTOR SHALL BE INSTALLED WITHIN 5 FEET OF DAMPER PER NFPA 72. REFER TO MECHANICAL SHEETS FOR EXACT LOCATION OF DAMPERS. THE DETECTOR SELECTED SHALL BE SUITABLE FOR THE AIRFLOW PRESENT IN THE DUCT.

**FIRE PROTECTION PLAN NOTES:**

- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.
- F38 PROVIDE EQUIPMENT AND CONNECTIONS TO OVERRIDE ACCESS CONTROLS AND ELECTRONIC LOCKS. UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F64 PROVIDE DRY PENDENT TYPE SPRINKLERS WITHIN COOLERS/FREEZERS. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF SPRINKLER AT COOLERS/FREEZERS WITH LIGHTS, EVAPORATORS AND OTHER OBSTRUCTIONS. NOTE THAT FINAL LIGHT AND EVAPORATOR LOCATIONS MAY DIFFER FROM THOSE SHOWN ON PLANS.
- F65 PROVIDE AREA BELOW PROJECTION WITH HEAT TRACED WET-PIPE SYSTEM.
- F61 PROVIDE SPRINKLER PROTECTION ABOVE AND BELOW DROPPED, FOLDING SOFFIT.

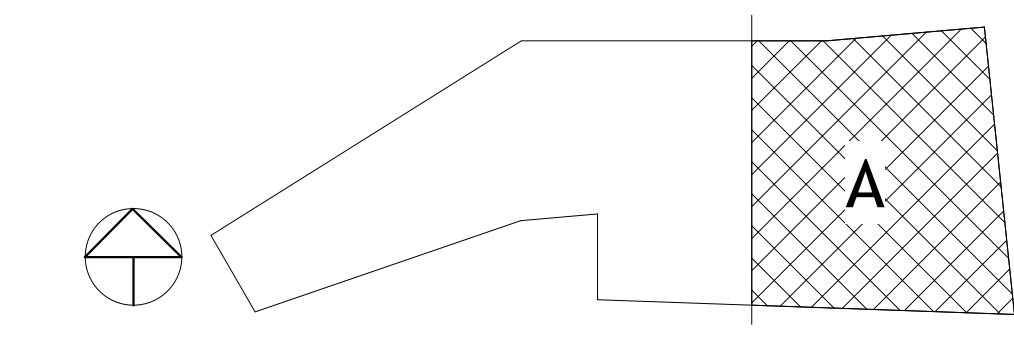
**FIRE PROTECTION PLAN NOTES:**

- F76 2-1/2" STANDPIPE HOSE VALVE, CAP AND CHAIN.
- F67 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.
- F77 PROTECT AREA WITH SPRINKLERS ABOVE AND BELOW CLOUD CEILING IN ACCORDANCE WITH NFPA 13.
- F79 INSTALL ROOF TOP HOSE CONNECTION ROUTED BACK TO NEAREST STANDPIPE.
- F80 MINIMUM 6" COMBINATION STANDPIPE SPRINKLER RISER WITH 1-1/2" HOSE VALVE, CAP AND CHAIN. PROVIDE COMBINATION INSPECTORS TEST AND DRAIN ASSEMBLY WITH SPRINKLER CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH, AND CHECK VALVE. ROUTE DRAIN RISER PARALLEL TO STANDPIPE RISER.



1 FIRE PROTECTION - LEVEL 2 RCP - AREA A  
 1/8" = 1'-0"  
 SCALE: 1/8"=1'-0"

**KEY PLAN**



PSW Job Number:  
**993A**  
 Henderson Job Number:  
**2150002607**



**AWSOM**  
 Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	ADDENDUM 1
2	06.09.23	ADDENDUM 2
3	04.26.24	PR.04
4	09.24.24	PR.05

Consents:  
**FIRE PROTECTION - LEVEL 2 RCP - AREA A**



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA. REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WET ANTIFREEZE SYSTEMS ARE PROVIDED. SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURERS DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT/DATA ROOMS, AV ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- F2 PROVIDE REMOTE POWER SUPPLY TO POWER VISIBLE NOTIFICATION APPLIANCES.
- F3 PROVIDE REMOTE AMPLIFIER FOR AUDIBLE NOTIFICATION APPLIANCES.
- F13 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM. COORDINATE QUANTITIES AND LOCATIONS WITH TECHNOLOGY PLANS. REFER TO AUDIO/VIDEO SIGNAL FLOW PLANS FOR ADDITIONAL INFORMATION.
- F14 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F15 PROVIDE HEAT DETECTOR(S) WITHIN 2 FEET OF ALL SPRINKLERS IN AREA DESIGNATED. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.

**FIRE PROTECTION PLAN NOTES:**

- F18 PROVIDE DUCT-MOUNTED SMOKE DETECTOR OR AREA DETECTOR IF APPLICABLE FOR FIRE-SMOKE DAMPER ACTIVATION. DETECTOR SHALL BE INSTALLED WITHIN 5 FEET OF DAMPER PER NFPA 72. REFER TO MECHANICAL SHEETS FOR EXACT LOCATION OF DAMPERS. THE DETECTOR SELECTED SHALL BE SUITABLE FOR THE AIRFLOW PRESENT IN THE DUCT.
- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.
- F30 SMOKE DETECTOR AT THE TOP OF THE HOISTWAY SHALL INITIATE FIRE-SMOKE DAMPER ACTIVATION AND ASSOCIATED MECHANICAL EQUIPMENT SHUTDOWN.
- F31 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO ACTIVATE FIRE-SMOKE DAMPERS AND INITIATE MECHANICAL EQUIPMENT SHUTDOWN.

**FIRE PROTECTION PLAN NOTES:**

- F34 PROVIDE CARBON MONOXIDE DETECTOR WITH ADDRESSABLE SCOUTER BASE.
- F35 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO CLOSE FIRE-PLACE GAS SOLENOID VALVE.
- F36 PROVIDE EQUIPMENT AND CONNECTION(S) TO OVERRIDE ACCESS CONTROLS AND ELECTRONIC LOCKS, UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F60 PROTECT AREA BELOW PROJECTION WITH HEAT TRACED WET-PIPE SYSTEM.
- F63 PROVIDE SPRINKLER PROTECTION AT THE TOP OF THE ELEVATOR HOISTWAY.
- F66 2-1/2" STANDPIPE HOSE VALVE, CAP AND CHAIN.

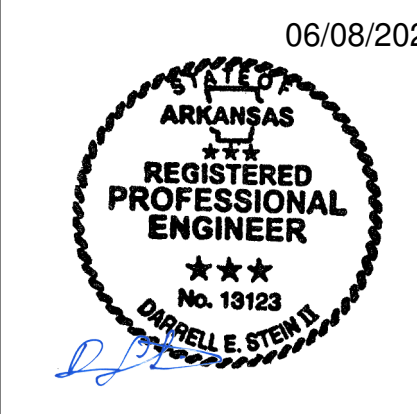
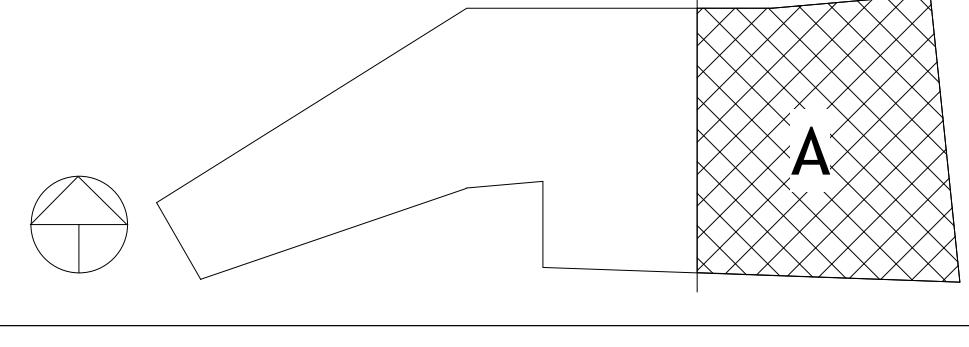
**FIRE PROTECTION PLAN NOTES:**

- F67 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.
- F77 PROTECT AREA WITH SPRINKLERS ABOVE AND BELOW CLOUD CEILING IN ACCORDANCE WITH NFPA 13.
- F79 INSTALL ROOF TOP HOSE CONNECTION ROUTED BACK TO NEAREST STANDPIPE.
- F80 MINIMUM 4" COMBINATION STANDPIPE SPRINKLER RISER WITH 2-1/2" HOSE VALVE, CAP AND CHAIN. PROVIDE COMBINATION INSPECTORS TEST AND DRAIN ASSEMBLY WITH SPRINKLER CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH, AND CHECK VALVE. ROUTE DRAIN RISER PARALLEL TO STANDPIPE RISER.



1 FIRE PROTECTION - LEVEL 3 RCP - AREA A  
1/8" = 1'-0" SCALE: 1/8"=1'-0"

**KEY PLAN**



NUMBER	DATE	DESCRIPTION
1	03.15.23	Addressed 1
2	05.29.23	Addressed 2



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS; ANTFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT, DATA ROOMS, ANY ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- F2 PROVIDE REMOTE POWER SUPPLY TO POWER VISIBLE NOTIFICATION APPLIANCES.
- F3 PROVIDE REMOTE AMPLIFIER FOR AUDIBLE NOTIFICATION APPLIANCES.
- F5 PROVIDE EQUIPMENT AND CONNECTION(S) TO MONITOR HEAT TRACE PANEL FOR SUPERHEAT OR TROUBLE CONDITIONS.
- F6 PROVIDE ENCOMPASS LT 300W AMPLIFIER PANEL TO POWER ROOF MOUNTED T20A-10 LOUVER/SPEAKERS. PROVIDE END-OF-LINE MODULE FOR SPEAKER MONITORING. COORDINATE WITH ELECTRICAL AND POWER FROM SPARE 20A, 120V CIRCUIT IN PANEL L4A.
- F9 PROVIDE EQUIPMENT AND CONNECTIONS TO THE FIRE ALARM SYSTEM AS REQUIRED TO ACTIVATE AND MONITOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F11 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F15 PROVIDE HEAT DETECTORS WITHIN 2 FEET OF ALL SPRINKLERS IN AREA DESIGNATED. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.

**FIRE PROTECTION PLAN NOTES:**

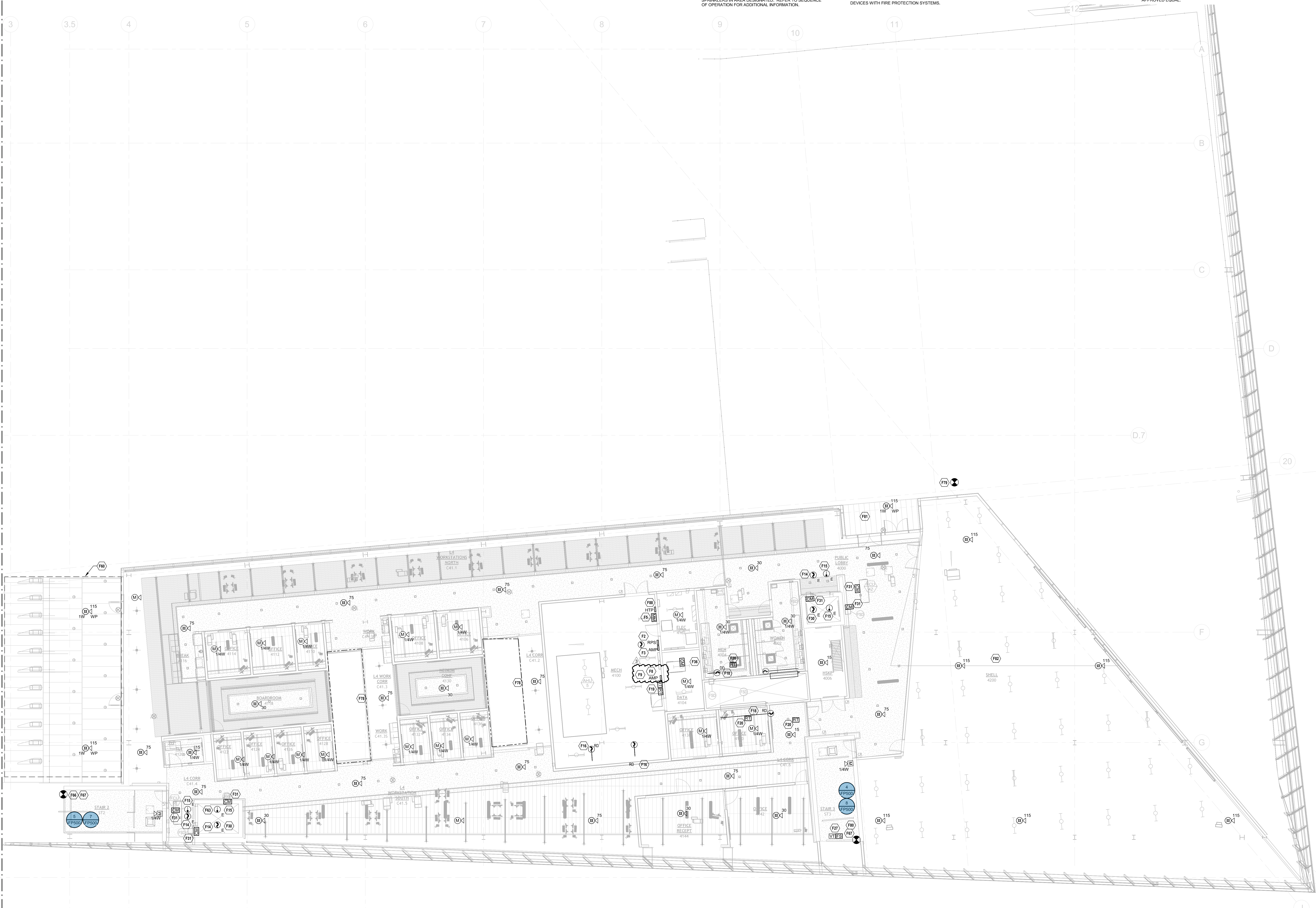
- F16 PROVIDE DUCT MOUNTED SMOKE DETECTOR FOR FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT SHUTDOWN. INSTALL DETECTOR PER MANUFACTURER'S RECOMMENDATIONS. REFER TO MECHANICAL SHEETS FOR EQUIPMENT AND DUCTWORK LAYOUT AND DETAILS.
- F18 PROVIDE DUCT MOUNTED SMOKE DETECTOR (OR AREA DETECTOR IF APPLICABLE) FOR FIRE-SMOKE DAMPER ACTIVATION. DETECTOR SHALL BE INSTALLED WITHIN 5 FEET OF DAMPER PER NFPA 72. REFER TO MECHANICAL SHEETS FOR EXACT LOCATION OF DAMPERS. THE DETECTOR SELECTED SHALL BE SUITABLE FOR THE AIRFLOW PRESENT IN THE DUCT.
- F19 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION ON WALL AT 48" AFF.
- F20 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION IN CEILING.
- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.

**FIRE PROTECTION PLAN NOTES:**

- F30 SMOKE DETECTOR AT THE TOP OF THE HOISTWAY SHALL INITIATE FIRE/SMOKE DAMPER ACTIVATION AND ASSOCIATED MECHANICAL EQUIPMENT SHUTDOWN.
- F31 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO ACTIVATE FIRE-SMOKE DAMPERS AND INITIATE MECHANICAL EQUIPMENT SHUTDOWN.
- F36 PROVIDE EQUIPMENT AND CONNECTION(S) TO OVERRIDE ACCESS CONTROLS AND ELECTRONIC LOCKS, UNLOCK STAIR DOORS AND LOCKED DOORS IN EGRESS PATHS. COORDINATE WITH SECURITY CONTRACTOR FOR ADDITIONAL REQUIREMENTS AND FINAL SECURITY PANEL LOCATIONS.
- F60 PROTECT AREA BELOW PROJECTION WITH HEAT TRACED WET-PIPE SYSTEM.
- F63 PROVIDE SPRINKLER PROTECTION AT THE TOP OF THE ELEVATOR HOISTWAY.
- F66 2-1/2" STANDPIPE HOSE VALVE, CAP AND CHAIN.
- F67 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.

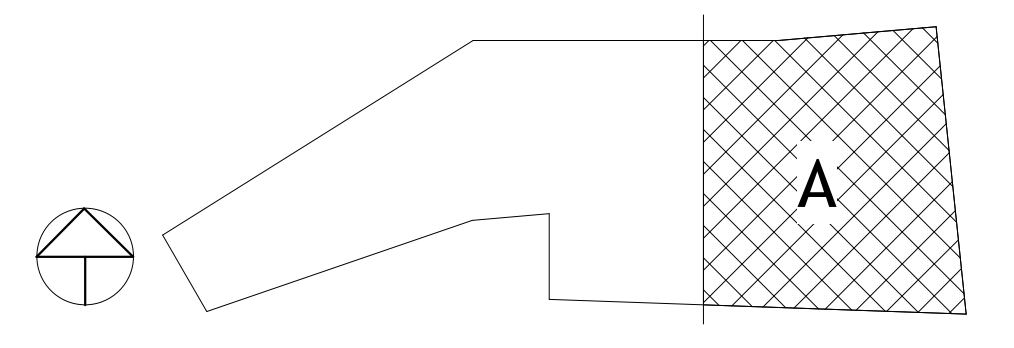
**FIRE PROTECTION PLAN NOTES:**

- F77 PROTECT AREA WITH SPRINKLERS ABOVE AND BELOW CLOUD CEILING IN ACCORDANCE WITH NFPA 13.
- F78 INSTALL SIDEWALL SPRINKLERS IN SKYLIGHT IN ACCORDANCE WITH NFPA 13.
- F79 INSTALL ROOF TOP HOSE CONNECTION ROUTED BACK TO NEAREST STANDPIPE.
- F80 MINIMUM 6" COMBINATION STANDPIPE SPRINKLER RISER WITH 2-1/2" HOSE VALVE, CAP AND CHAIN. PROVIDE COMBINATION INSPECTORS' TEST AND DRAIN ASSEMBLY WITH SPRINKLER CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH AND CHECK VALVE. ROUTE DRAIN RISER PARALLEL TO STANDPIPE RISER.
- F81 PROVIDE DRY VIC-FLEX SPRINKLER FOR PROTECTION AT EXTERIOR CANOPY.
- F82 SPRINKLER PROTECTION CRITERIA IN THE SHELL SPACE AREA TO BE A MINIMUM OF ORDINARY HAZARD GROUP II (0.20 GPM/FT<sup>2</sup> OVER 1,500 FT<sup>2</sup>).
- F88 PROVIDE CHROMOLOX HEAT TRACE PANEL. PROVIDE CHROMOLOX M5C BACNET CONVERTER MODULE OR APPROVED EQUAL.



① FIRE PROTECTION - LEVEL 4 RCP - AREA A  
 SCALE: 1/8" = 1'-0"  
 0 4' 8' 12'

**KEY PLAN**



PSW Job Number:  
**993A**  
 Henderson Job Number:  
**2150002607**



**AWSOM**  
 Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.15.23	Addendum 1
2	06.29.23	Addendum 2
3	05.13.24	Rev.03

Contents:  
**FIRE PROTECTION - LEVEL 4 RCP - AREA A**



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

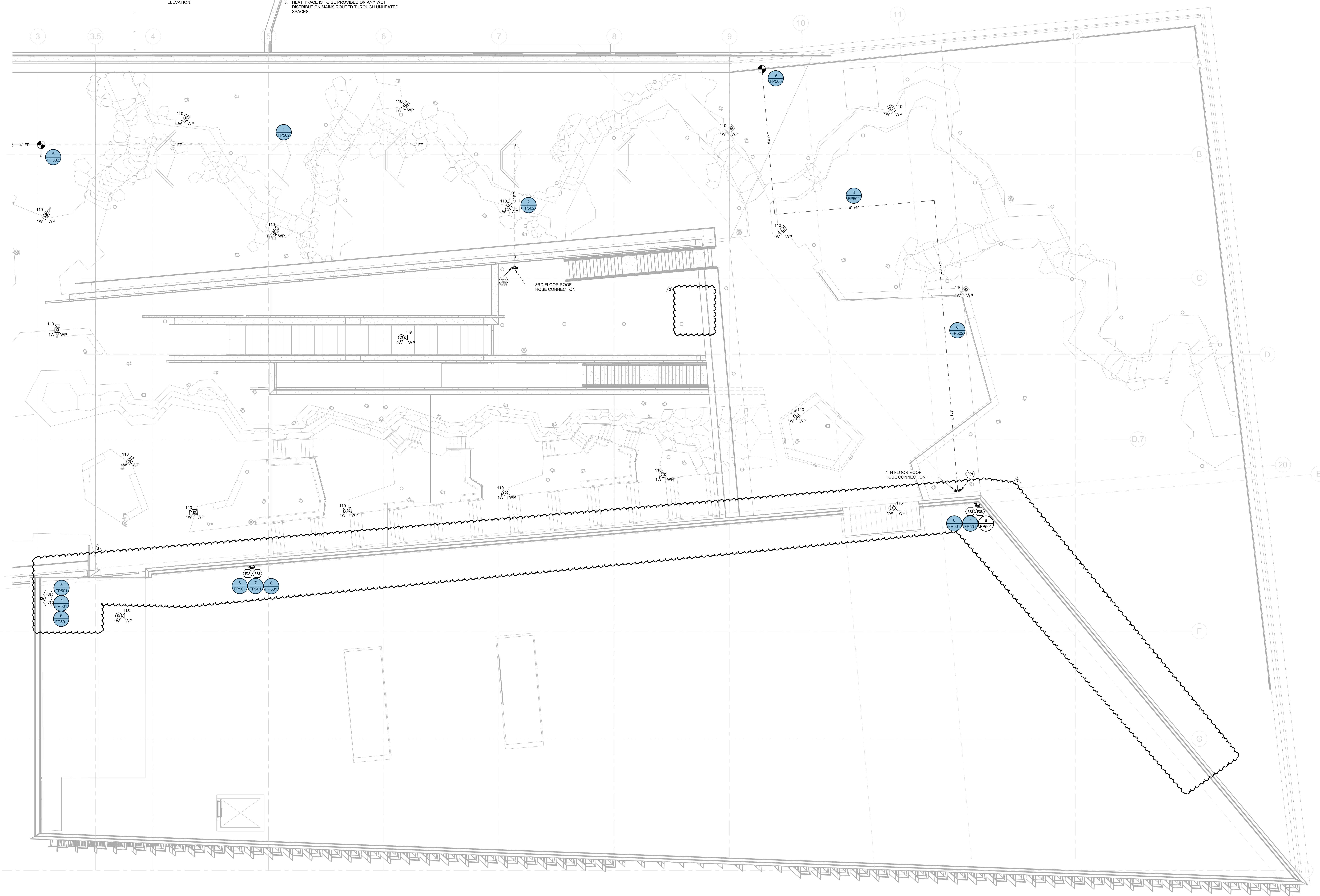
1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTI-FREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

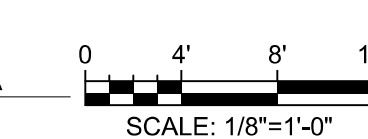
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WHERE ANTI-FREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT DATA ROOMS, ANY ROOMS OR SIMILAR, PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

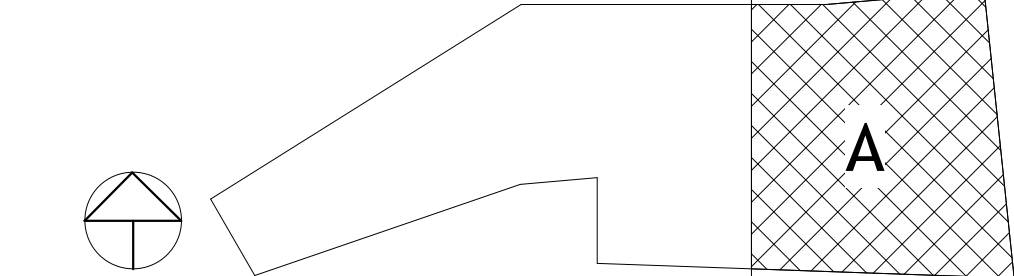
- F33 PROVIDE HYPERSPRINK TQPA-10 MODEL 002154-201-1014 FIRE ALARM LOUDSPEAKER, PROVIDE 70V 15W OUTPUT.
- F34 LOUDSPEAKERS SHALL BE POLE MOUNTED BEHIND THE PARAPET. SPEAKERS SHALL BE INSTALLED SUCH THAT THE ENTIRE SPEAKER IS ABOVE THE PARAPET AND CAN BE ANGLED TOWARD THE OPPOSITE SIDE OF THE OCCUPIED CEILING ROOF BELOW.
- F35 FREE-STANDING ROOF LEVEL STANDPIPE WITH TWO 2 1/2" HOSE VALVES, CAP AND CHAIN. PROVIDE SHUT-OFF VALVE WITH TAMPER SWITCH AND BALL DRIP WITHIN STAIRWAY.



1 FIRE PROTECTION PLAN - ROOF - AREA A  
1/8" = 1'-0"



KEY PLAN



PSW Job Number:  
**993A**  
Henderson Job Number:  
**2150002607**



**AWSOM**  
Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	12.18.23	PR-024
3	06.14.24	PR-033

Contents:  
FIRE PROTECTION - ROOF PLAN - AREA A



**FIRE ALARM SCOPE OF WORK NOTES:**

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

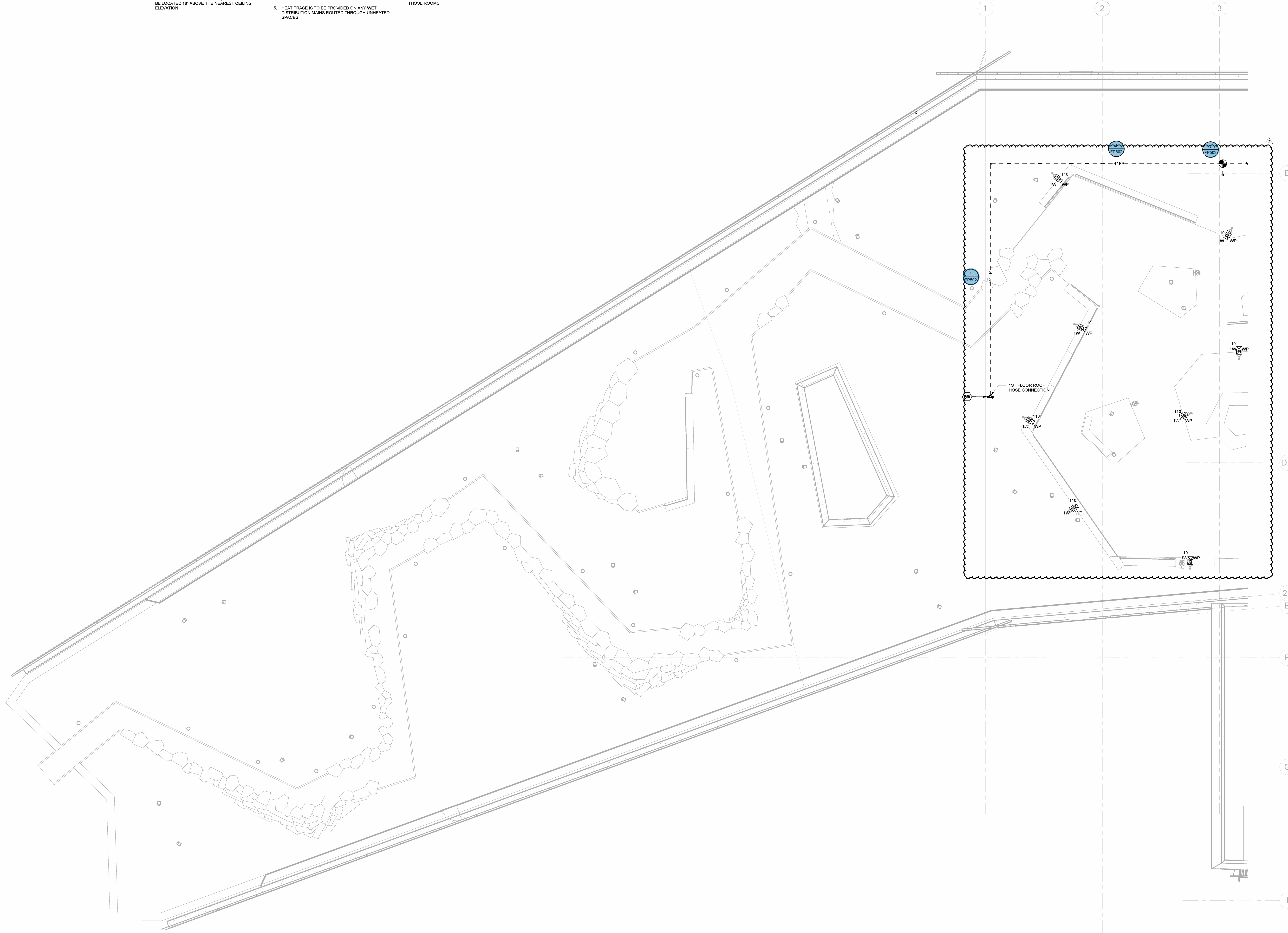
1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTI-FREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

**FIRE SPRINKLER SCOPE OF WORK NOTES:**

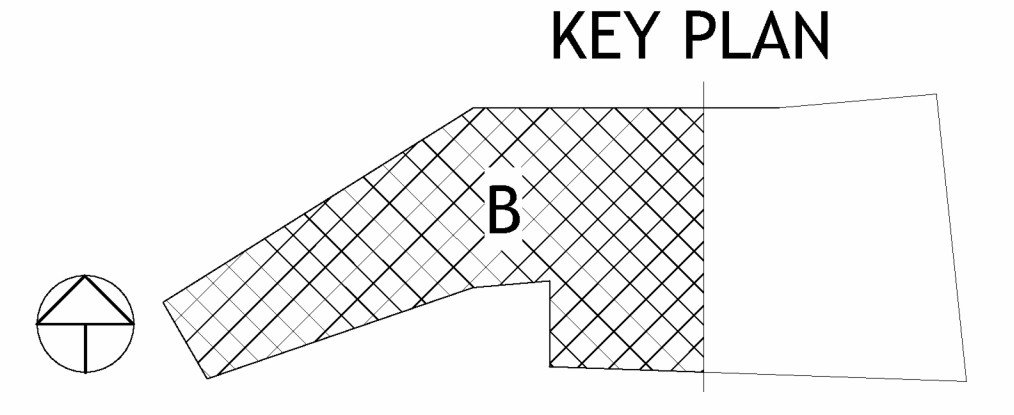
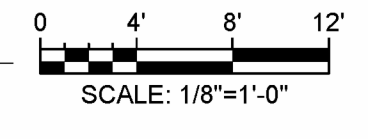
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA. REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTI-FREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, I.T. DATA ROOMS, JAVY ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

**FIRE PROTECTION PLAN NOTES:**

- FP99. FREESTANDING ROOF LEVEL STANDPIPE WITH TWO 2-1/2" HOSE VALVES, CAP AND CHAIN. PROVIDE SHUT-OFF VALVE WITH TAMPER SWITCH AND BALL DRIP WITHIN STAIRWAY.



1 FIRE PROTECTION PLAN - ROOF - AREA B  
1/8" = 1'-0"



801 South Spring Street  
Little Rock, AR 72201  
501.378.0078 office  
509 W. Spring St. | Suite 150  
Fayetteville, AR 72701  
479.444.0023 office  
polkstanleywilcox.com

**CIVIL**  
McCalland Consulting Engineers, Inc.  
1586 E STEARNS ST  
FAVETTEVILLE, AR 72703  
P: 479.443.2377

**LANDSCAPE**  
OSD  
115 ST. JOHNS PLACE  
BROOKLYN, NY 11217  
P: 917.553.5886

**STRUCTURAL**  
Martin Consulting Engineers  
8008 SOUTH WALTON BLVD., STE. 27  
BENTONVILLE, AR 72712  
P: 479.493.0940

**MEPF - LOW VOLTAGE**  
Henderson Engineers  
8340 LENEVA DRIVE, STE. 300  
LENDIA, IL 60214  
P: 815.850.8187

**SUSTAINABILITY**  
SOM  
224 SOUTH MICHIGAN AVENUE  
CHICAGO, IL 60604  
P: 312.360.4121

**SIGNAGE - WAYFINDING**  
TWO TWELVE  
239 W. 27th ST., SUITE 802  
NEW YORK, NY 10001  
P: 212.254.9870

**FOOD SERVICE**  
JMC HOSPITALITY  
2665 SIX PINES DR., SUITE 8210  
THE WOODLANDS, TX 77380  
P: 689.641.2222

**WATER FEATURES**  
OTL  
2150 S. TOWNE CENTER, SUITE 100  
ANNAMAC, CA 92009  
P: 714.637.4147

**IRRIGATION**  
WC3 DESIGN  
11A HOBSON MANOR BLVD.  
MOORESBURG, PA 14135  
P: 844.231.7042

PSW Job Number:  
**993A**

Henderson Job Number:  
**2150002607**

**AWSOM**  
Bentonville, AR

Issue Date:  
**02.24.2023**

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/10/23	As-Built
2	12/18/23	PROG2



Contents:  
FIRE PROTECTION - ROOF PLAN - AREA B

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**FP105B**





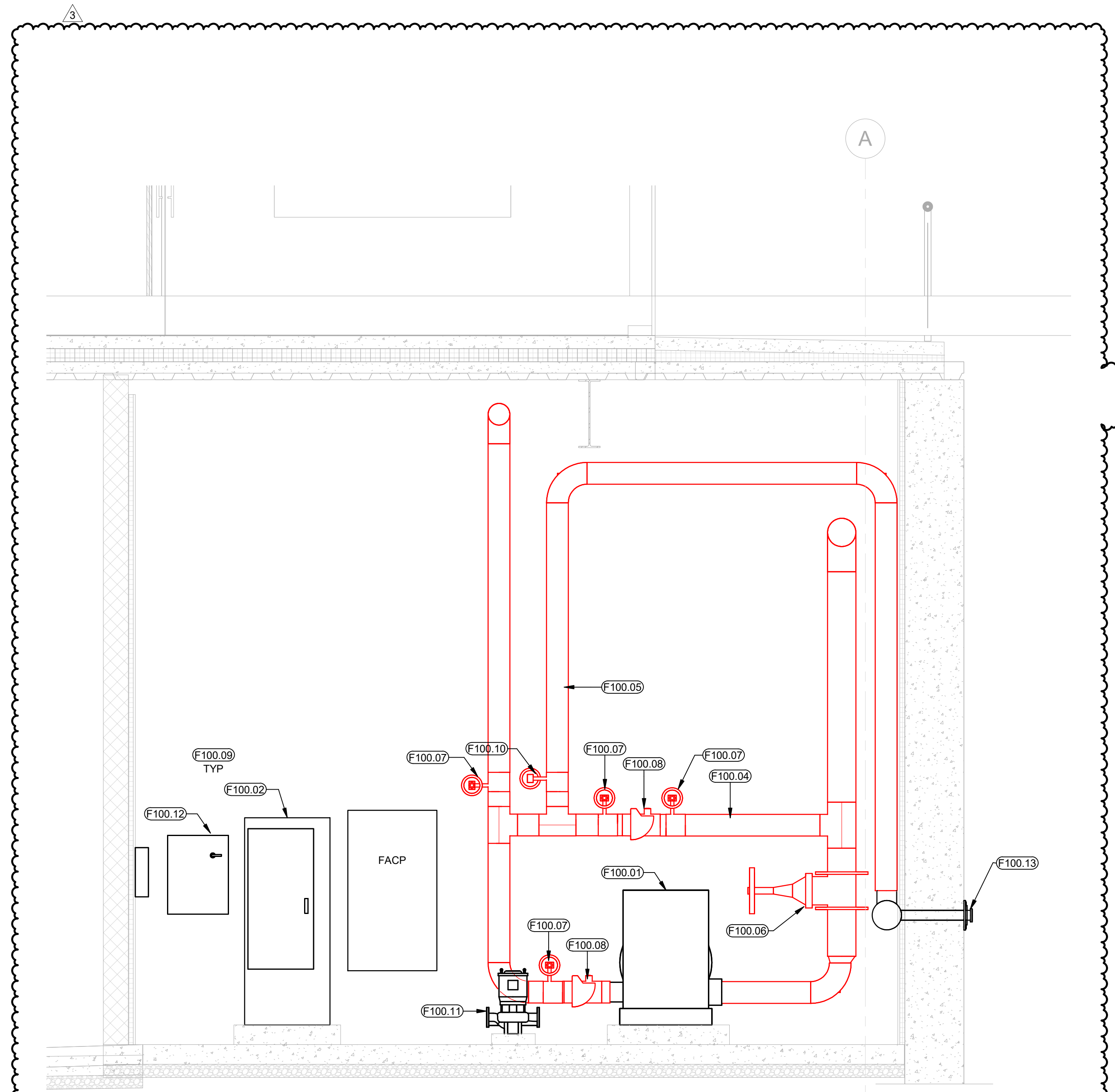
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NUMBER	DATE	DESCRIPTION
1	06/09/23	ADDENDUM 1
2	06/15/23	ADDENDUM 2
3	06/15/23	ADDENDUM 3

**FIRE PUMP PLAN NOTES:**

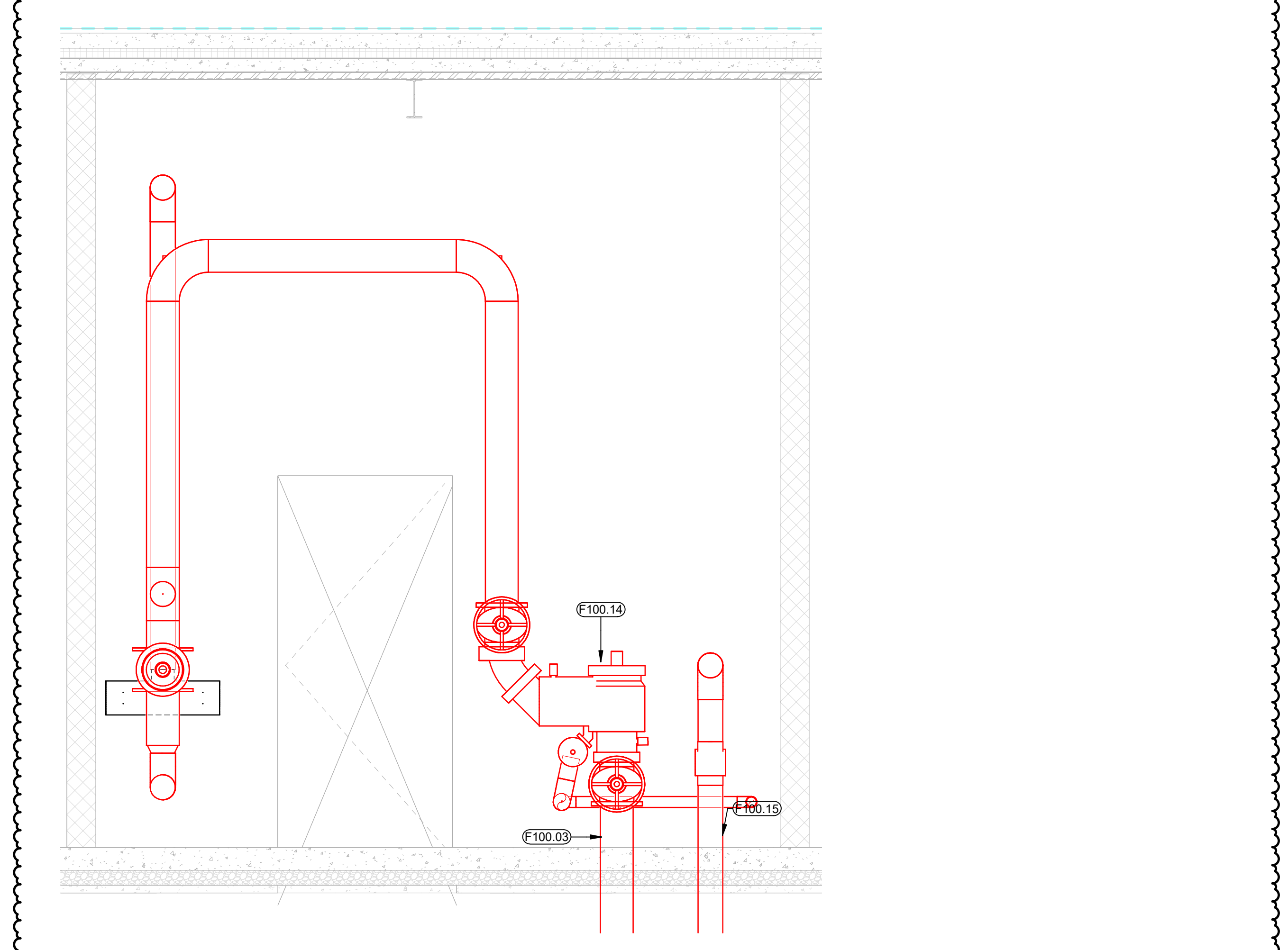
- F100.01 ELECTRIC MOTOR DRIVEN FIRE PUMP ASSEMBLY. PROVIDE AIR RELEASE VALVE ON PUMP CASING.
- F100.02 FIRE PUMP CONTROLLER.
- F100.03 8" UNDERGROUND WATER SUPPLY.
- F100.04 PROVIDE 6" BYPASS LINE ROUTED AS SHOWN. INSTALL MINIMUM 1/4 INCHES ABOVE FINISHED FLOOR ELEVATION.
- F100.05 6" TO TEST HEADER WITH SIX (3) 2-1/2 INCH TEST VALVES.
- F100.06 SUPERVISED OS&Y VALVE.
- F100.07 SUPERVISED BUTTERFLY VALVE.
- F100.08 SWING TYPE CHECK VALVE.
- F100.09 DO NOT ROUTE SPRINKLER PIPING OVER ELECTRICAL DISTRIBUTION EQUIPMENT.
- F100.10 SUPERVISED BUTTERFLY VALVE IN TEST HEADER PIPING. NORMALLY CLOSED.
- F100.11 ELECTRIC MOTOR DRIVEN PRESSURE MAINTENANCE PUMP. PROVIDE AIR RELEASE VALVE ON PUMP CASING.
- F100.12 FIRE PUMP TEST HEADER.
- F100.13 ZURN-WILKINS 475VOSY BACKFLOW PREVENTER, OR APPROVED EQUAL.
- F100.14 ZURN-WILKINS 475VOSY BACKFLOW PREVENTER, OR APPROVED EQUAL.
- F100.15 ROUTE TO REMOTE FIRE DEPARTMENT CONNECTION.

**FIRE PROTECTION PLAN NOTES:**

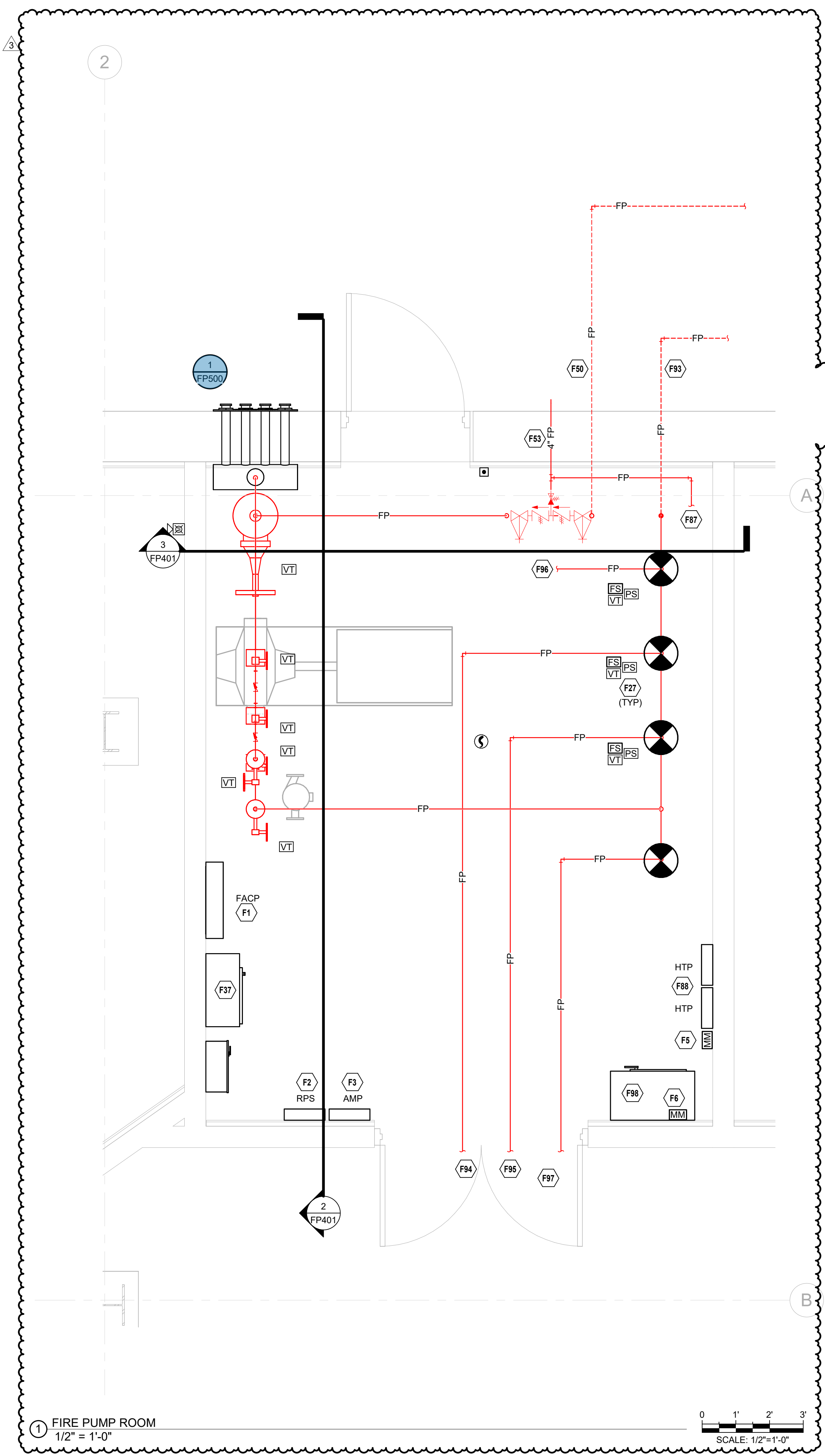
- F1 PROVIDE NEW FIRE ALARM / MASS NOTIFICATION CONTROL PANEL WITH INTEGRAL AMPLIFIER AND VOICE CONTROLS.
- F2 PROVIDE REMOTE POWER SUPPLY TO POWER VISIBLE NOTIFICATION APPLIANCES.
- F3 PROVIDE REMOTE AMPLIFIER FOR AUDIBLE NOTIFICATION APPLIANCES.
- F5 PROVIDE EQUIPMENT AND CONNECTIONS TO MONITOR HEAT TRACE PANEL FOR SUPERVISORY OR TROUBLE CONDITIONS.
- F6 PROVIDE EQUIPMENT AND CONNECTIONS TO MONITOR NITROGEN GENERATOR FOR SUPERVISORY OR TROUBLE CONDITIONS.
- F27 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.
- F37 PROVIDE EQUIPMENT AND CONNECTIONS TO MONITOR FIRE PUMP SUPERVISORY SIGNALS.
- F50 PROVIDE 1/2 INCH TO 1 INCH COUPLER FOR CONTINUATION BACKFLOW RELIEF DISCHARGE PORT. SIZE DRAIN PIPING TO BE THE SAME AS THE OUTLET PIPE SIZE OF THE ADAPTOR. DRAIN PIPING FROM RPZ RELIEF DISCHARGE PORT TO BE ROUTED TO THE EXTERIOR WITH 45 DEGREE ELBOW DISCHARGE.
- F87 SPRINKLER SYSTEM MAIN DRAIN PIPING. CONNECT INTO JACOBS LADDER STEPS.
- F88 PROVIDE CHROMOX HEAT TRACE PANEL. PROVIDE CHROMOX MISC SACKET CONVERTER MODULE OR APPROVED EQUAL.
- F93 ROUTE TO REMOTE FIRE DEPARTMENT CONNECTION. REFER TO CIVIL FOR CONTINUATION.
- F94 TO SPRINKLER ZONE FZ0A.
- F95 TO SPRINKLER ZONE FZ0B.
- F96 TO SPRINKLER ZONE FZ0C.
- F97 TO SPRINKLER STANDPIPE SUPPLY MAIN.
- F98 PROVIDE SOUTH-TEK N2 BLAST PFS 3250 NITROGEN GENERATOR OR APPROVED EQUAL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



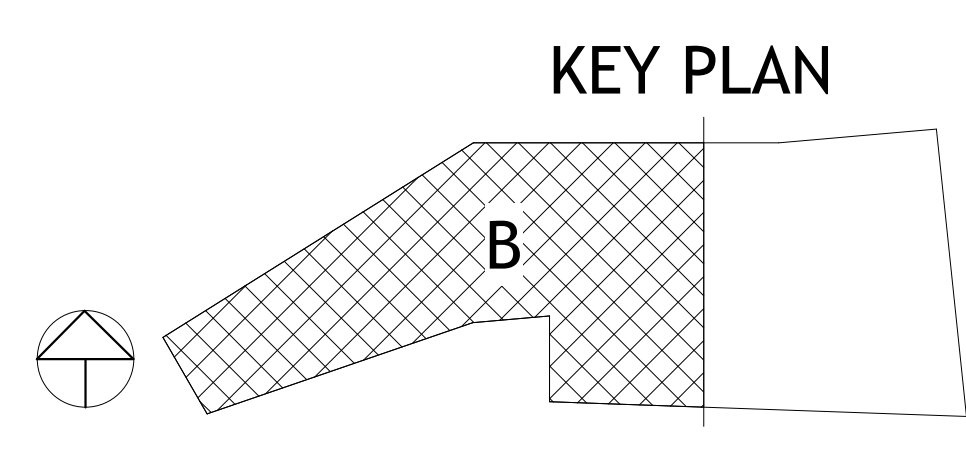
2 FIRE PUMP ROOM SECTION - WEST  
1/2" = 1'-0"



3 FIRE PUMP ROOM SECTION - NORTH  
1/2" = 1'-0"

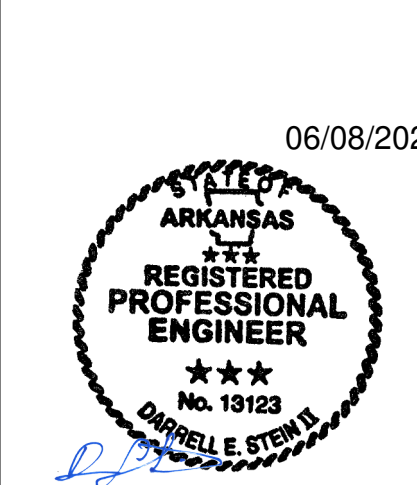


1 FIRE PUMP ROOM  
1/2" = 1'-0"

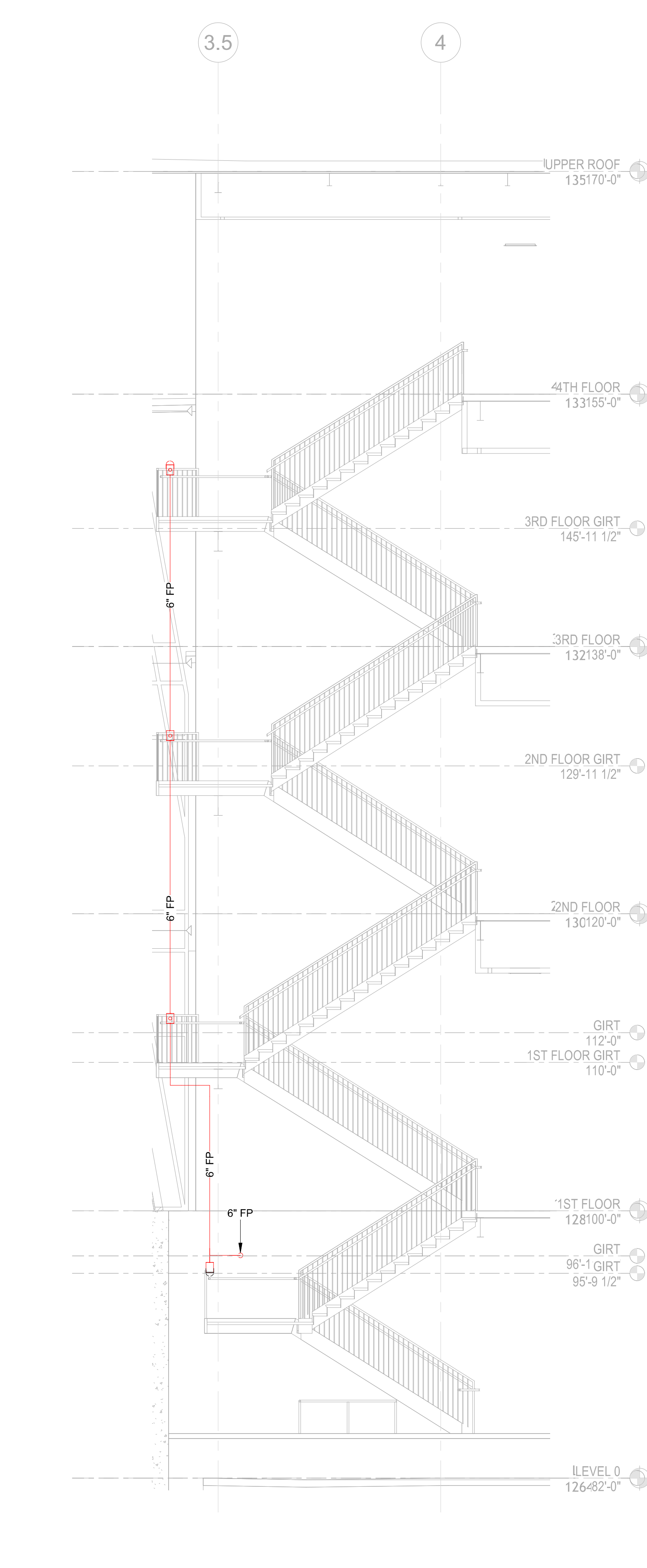


KEY PLAN

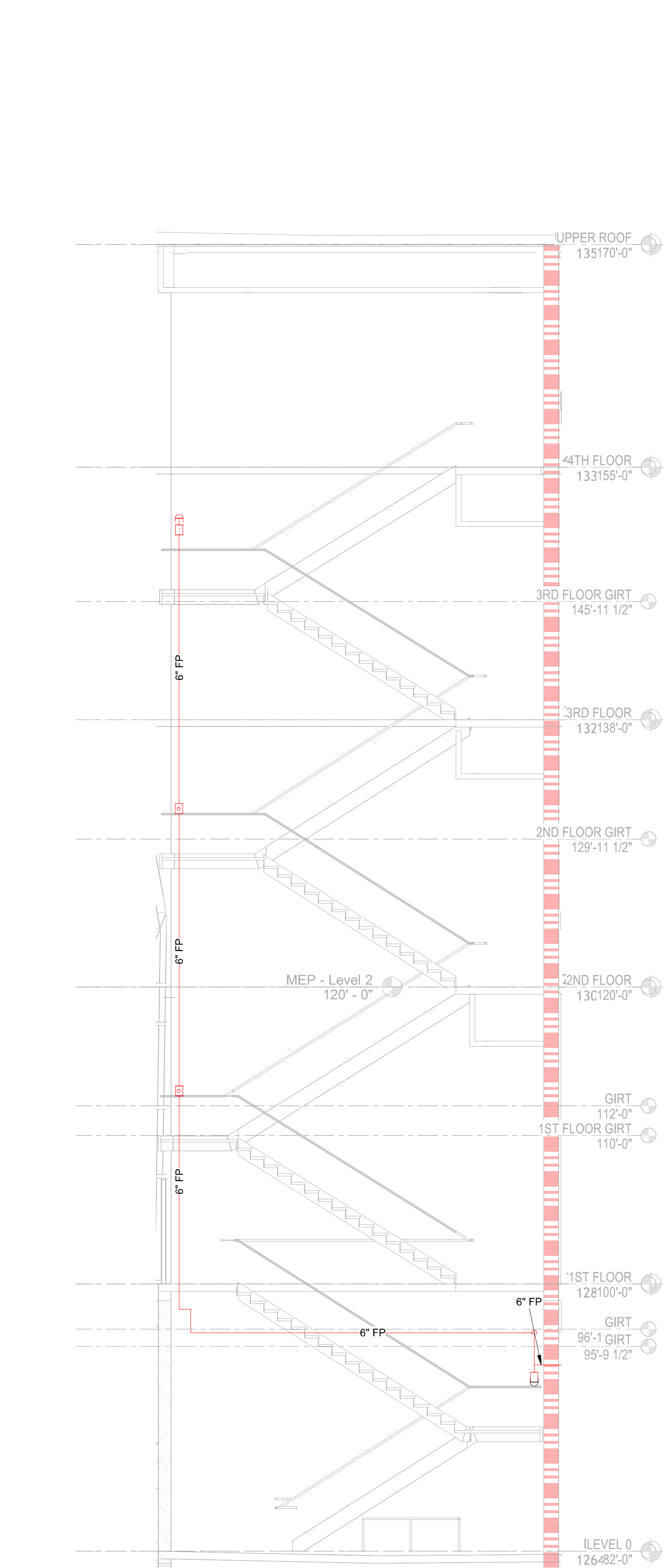




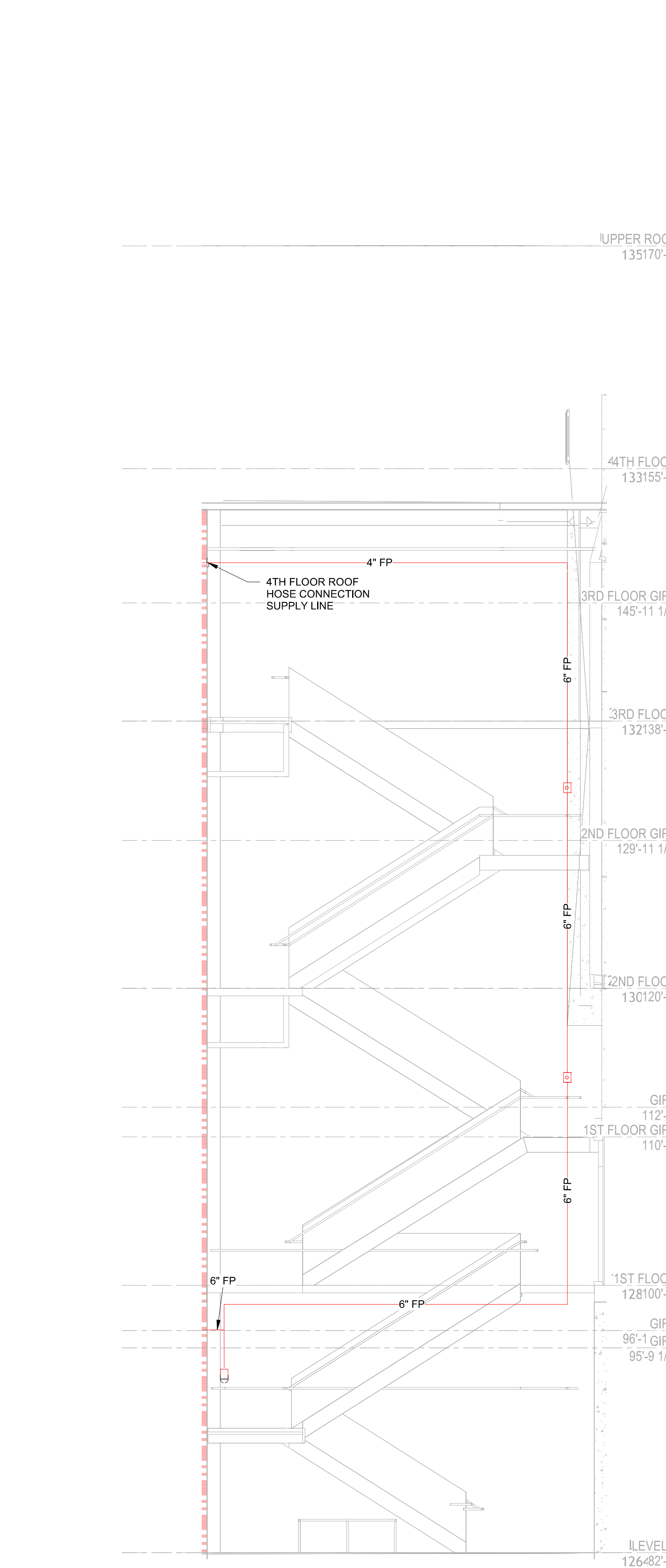
NUMBER	DATE	DESCRIPTION
1	03.15.23	Issued for 1
2	05.09.23	Issued for 2



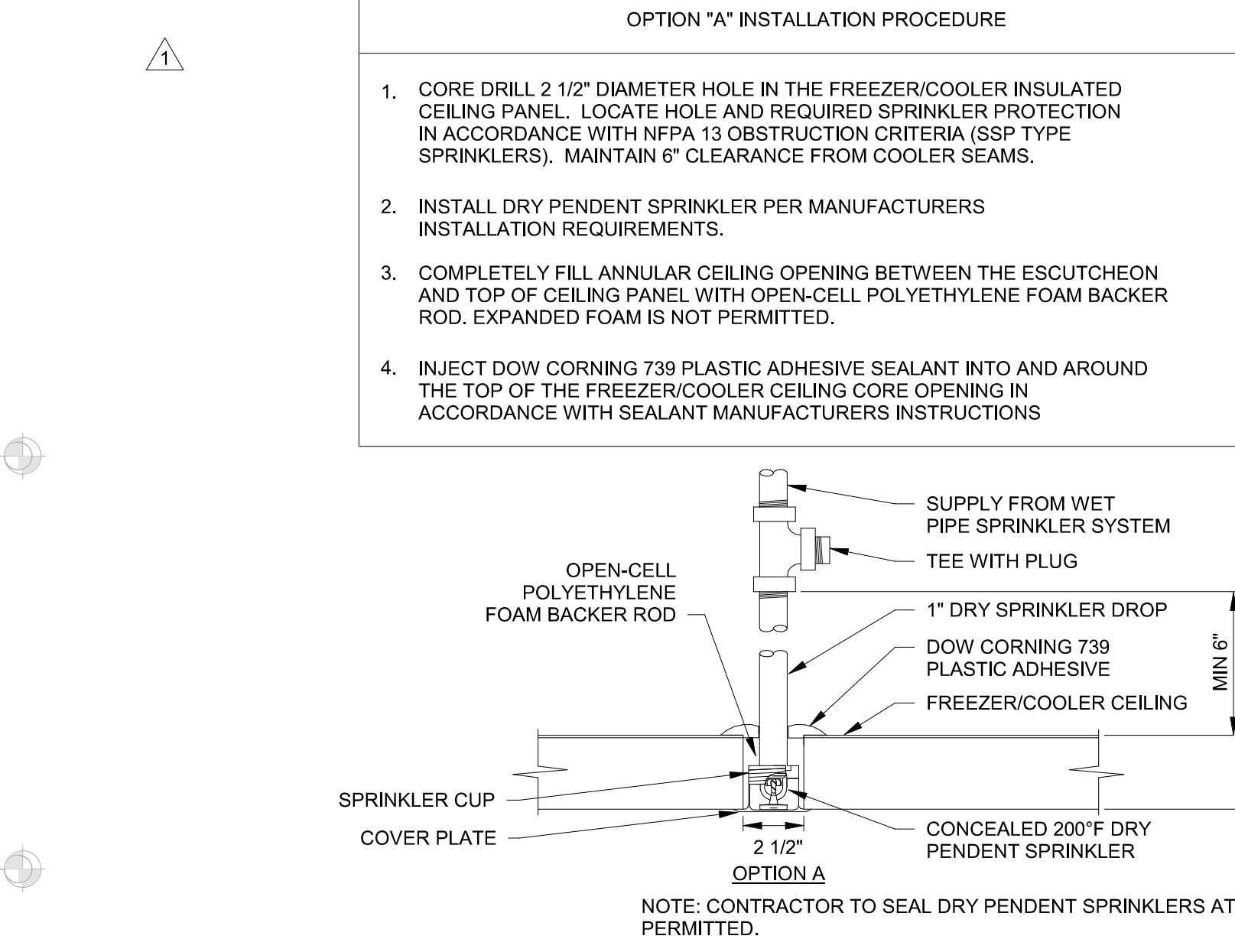
8 STAIRWELL 1 STANDPIPE  
3/16" = 1'-0"



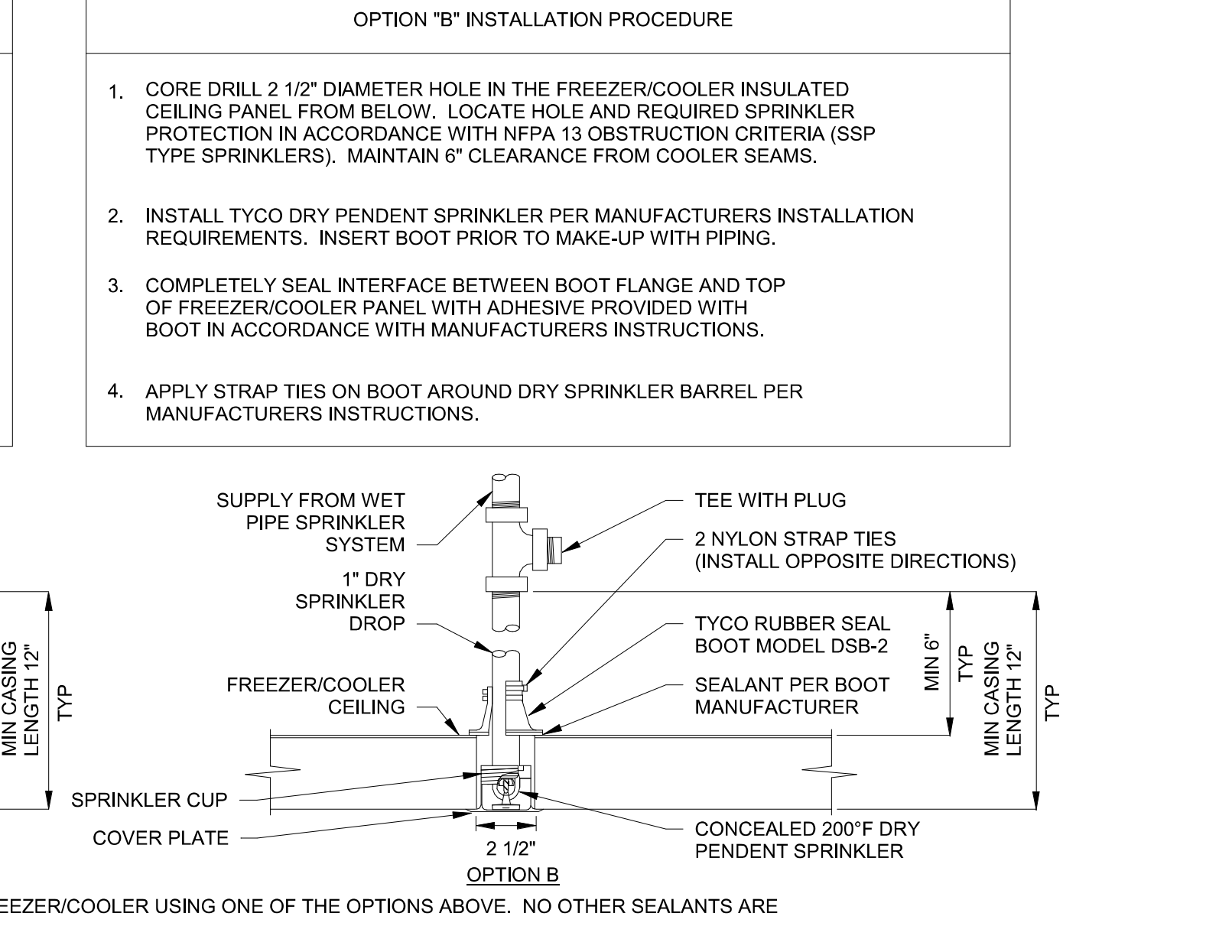
7 STAIRWELL 2 STANDPIPE  
3/16" = 1'-0"



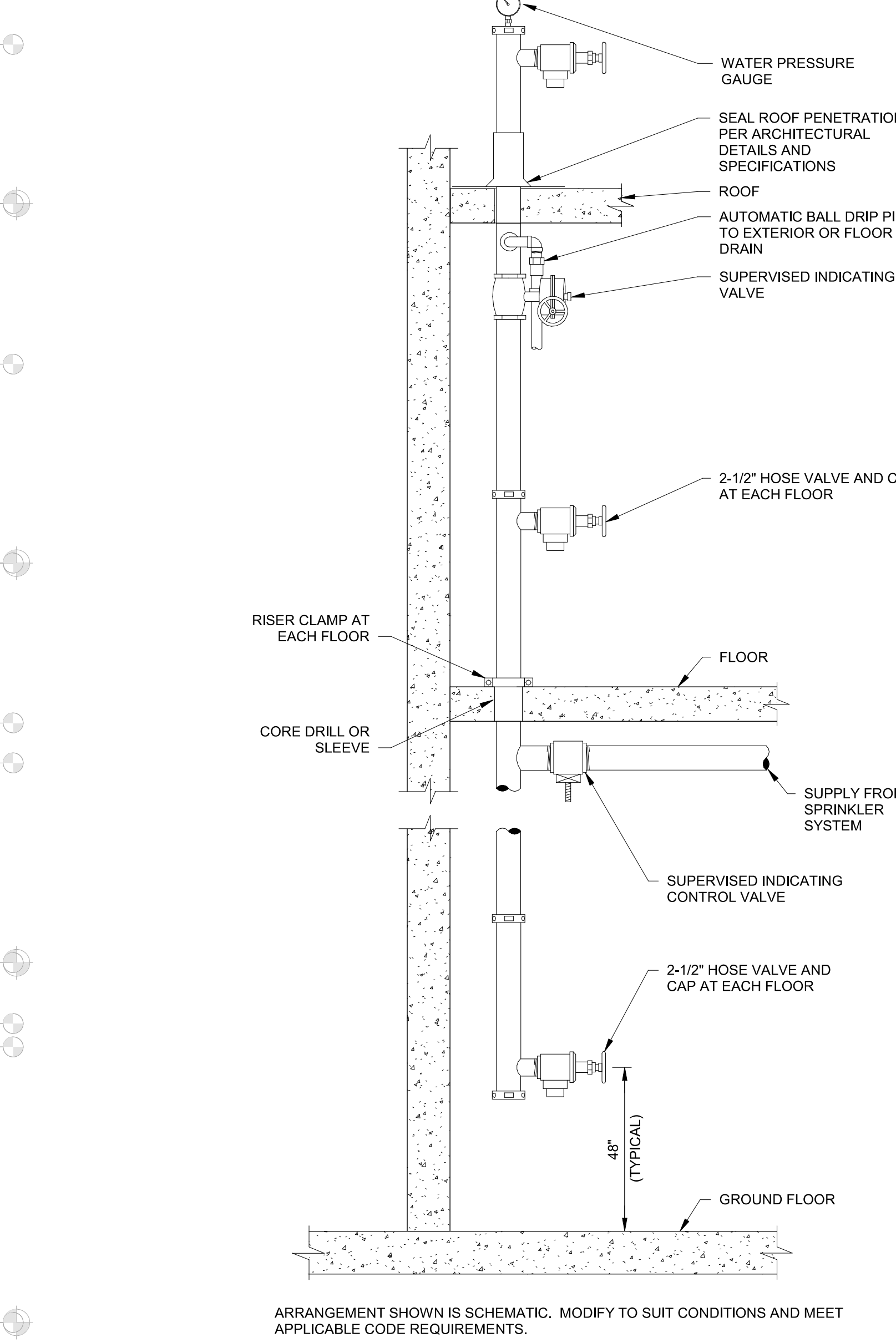
6 STAIRWELL 3 STANDPIPE  
3/16" = 1'-0"



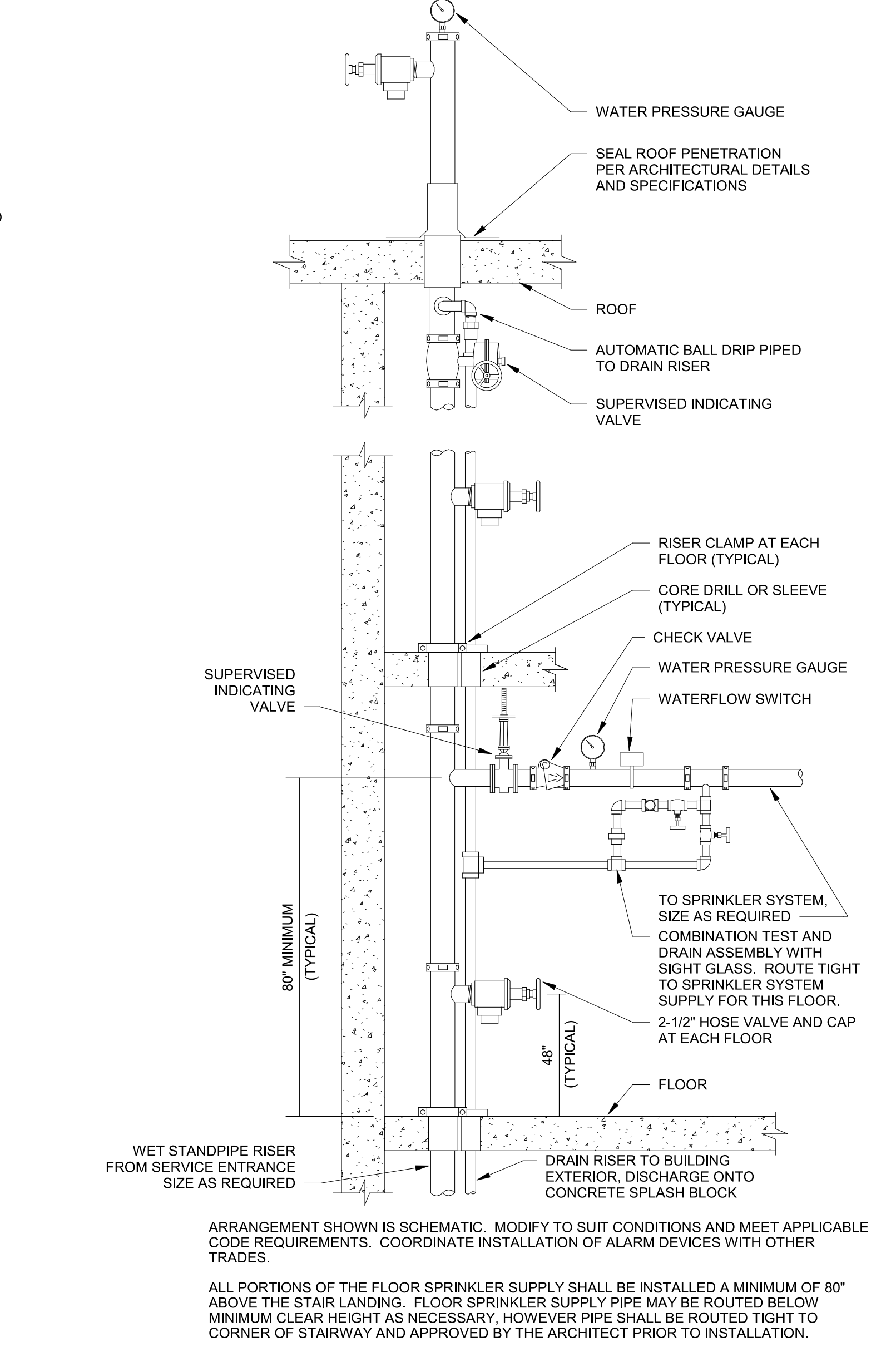
2 FREEZER-COOLER DRY PENDENT SPRINKLER  
NTS



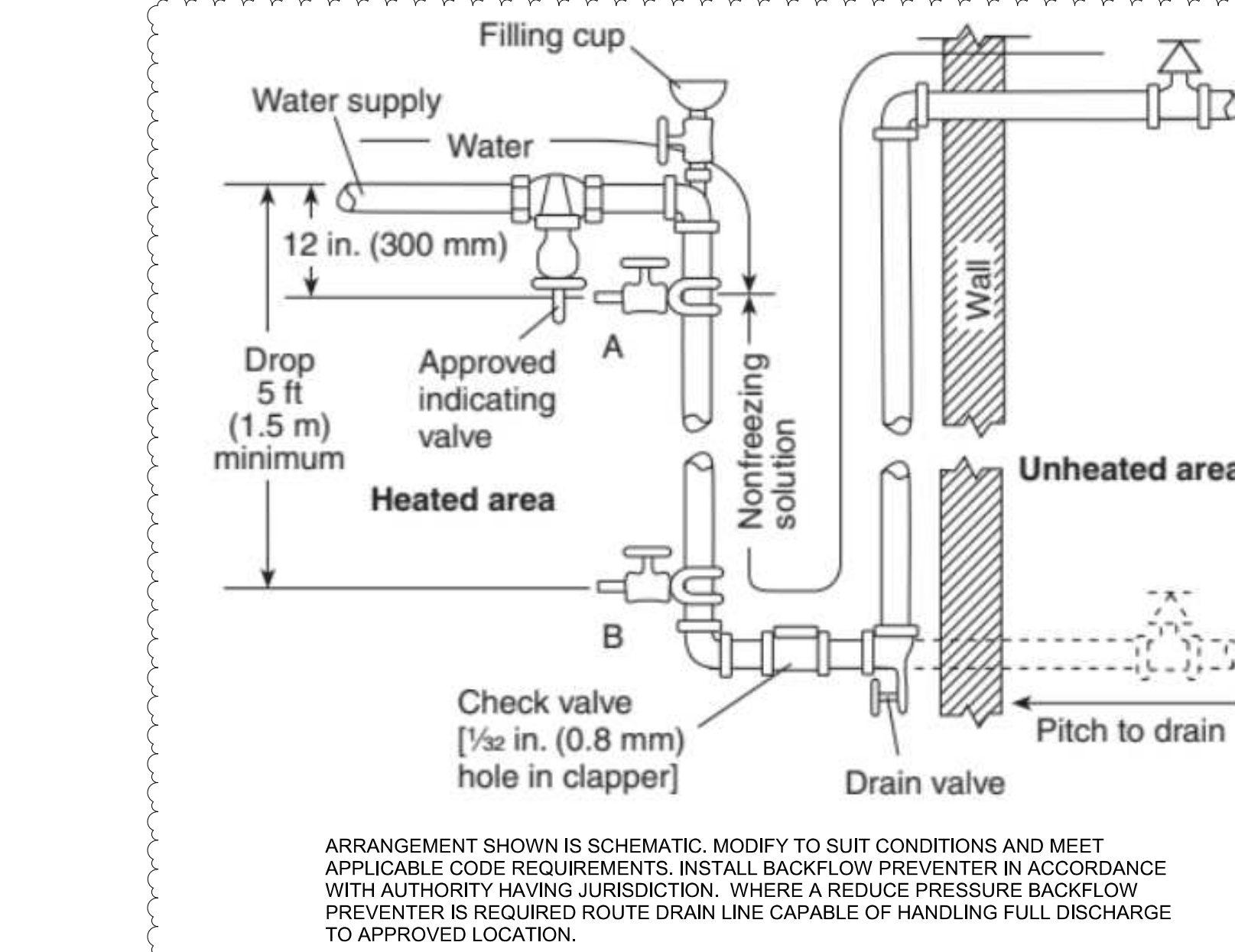
4 COMBINATION STANDPIPE / SPRINKLER RISER  
NTS



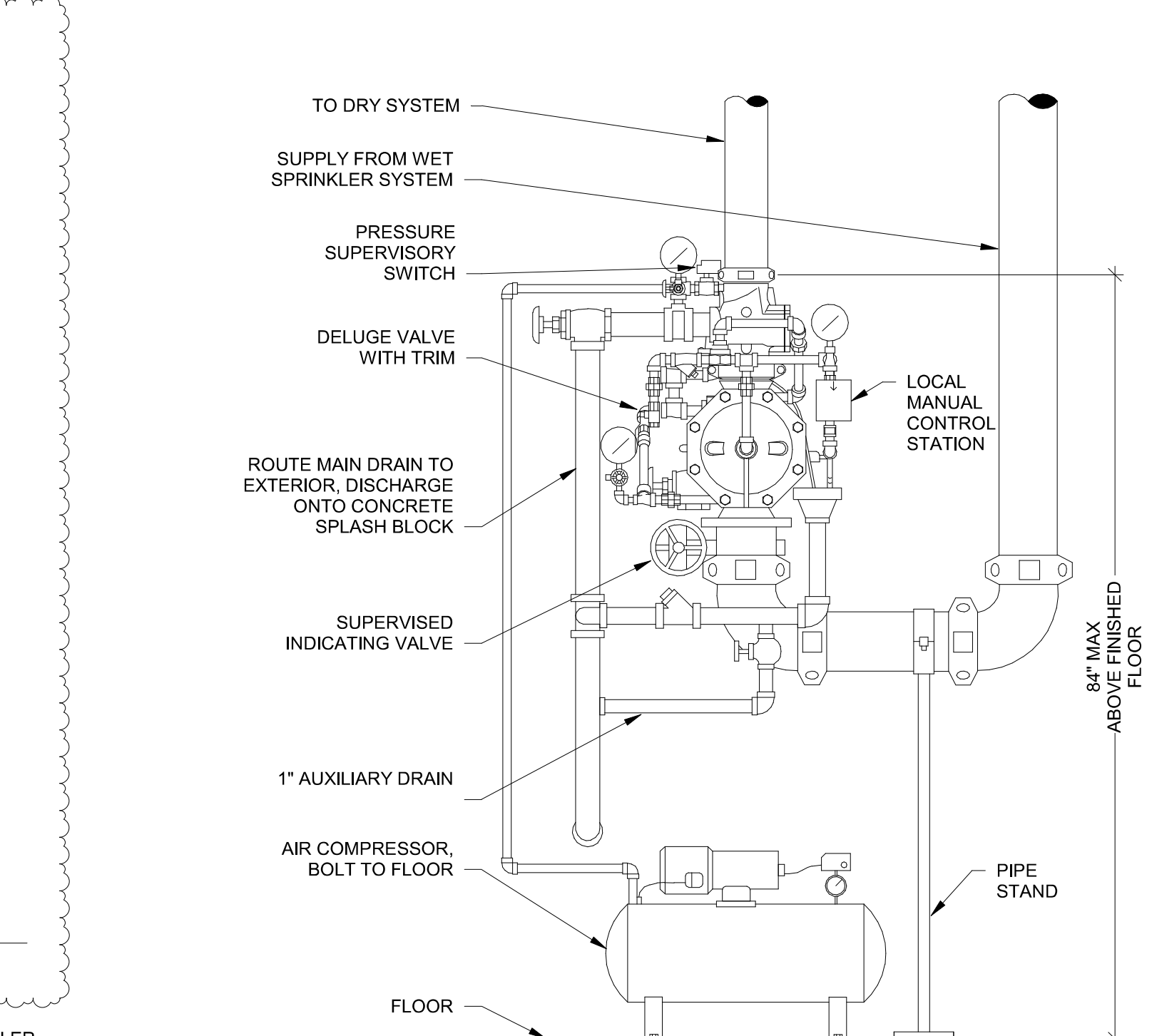
5 WET STANDPIPE RISER  
NTS



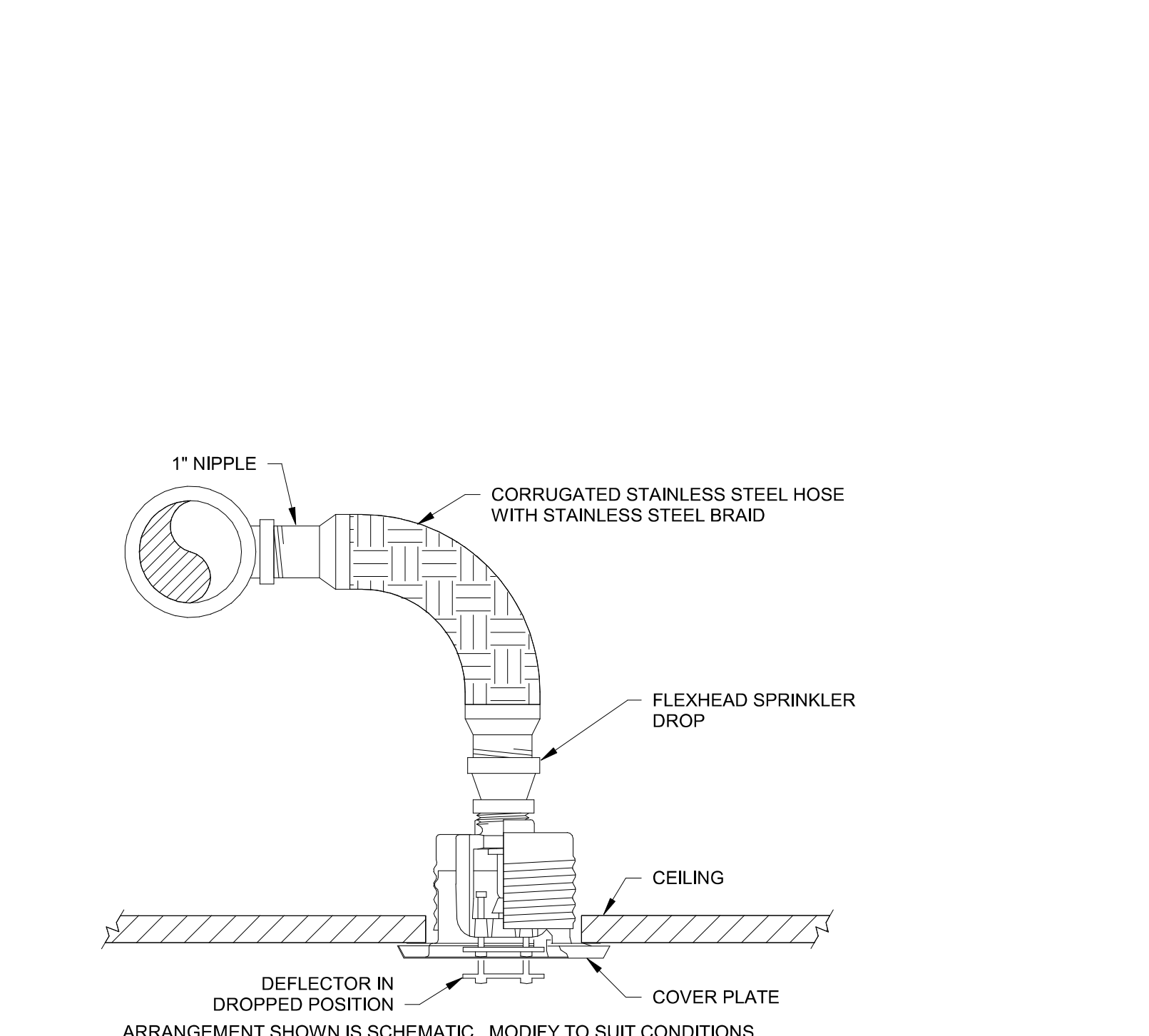
4 COMBINATION STANDPIPE / SPRINKLER RISER  
NTS



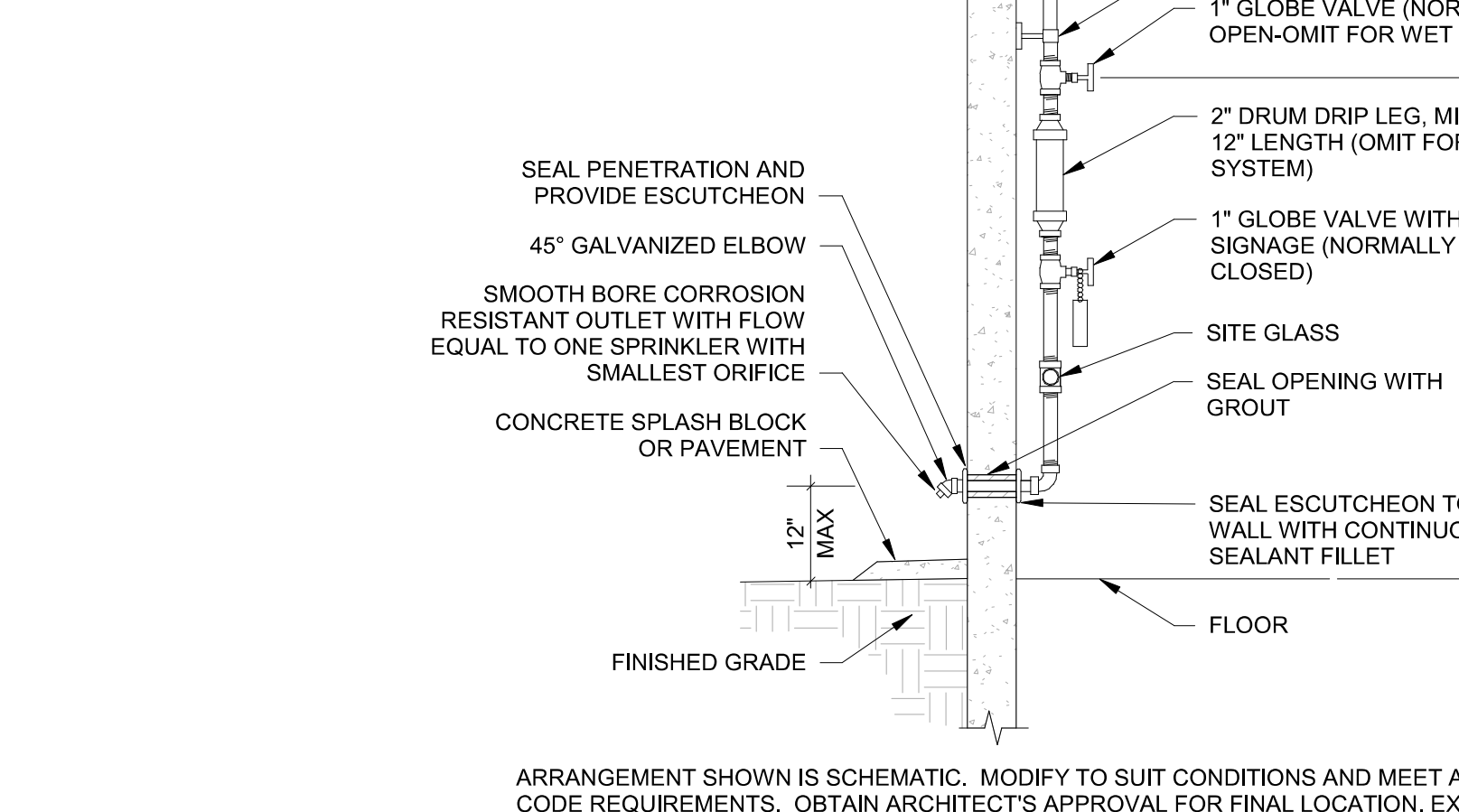
10 FIRE PROTECTION ANTI-FREEZE SYSTEM WITH BACKFLOW PREVENTER  
NTS



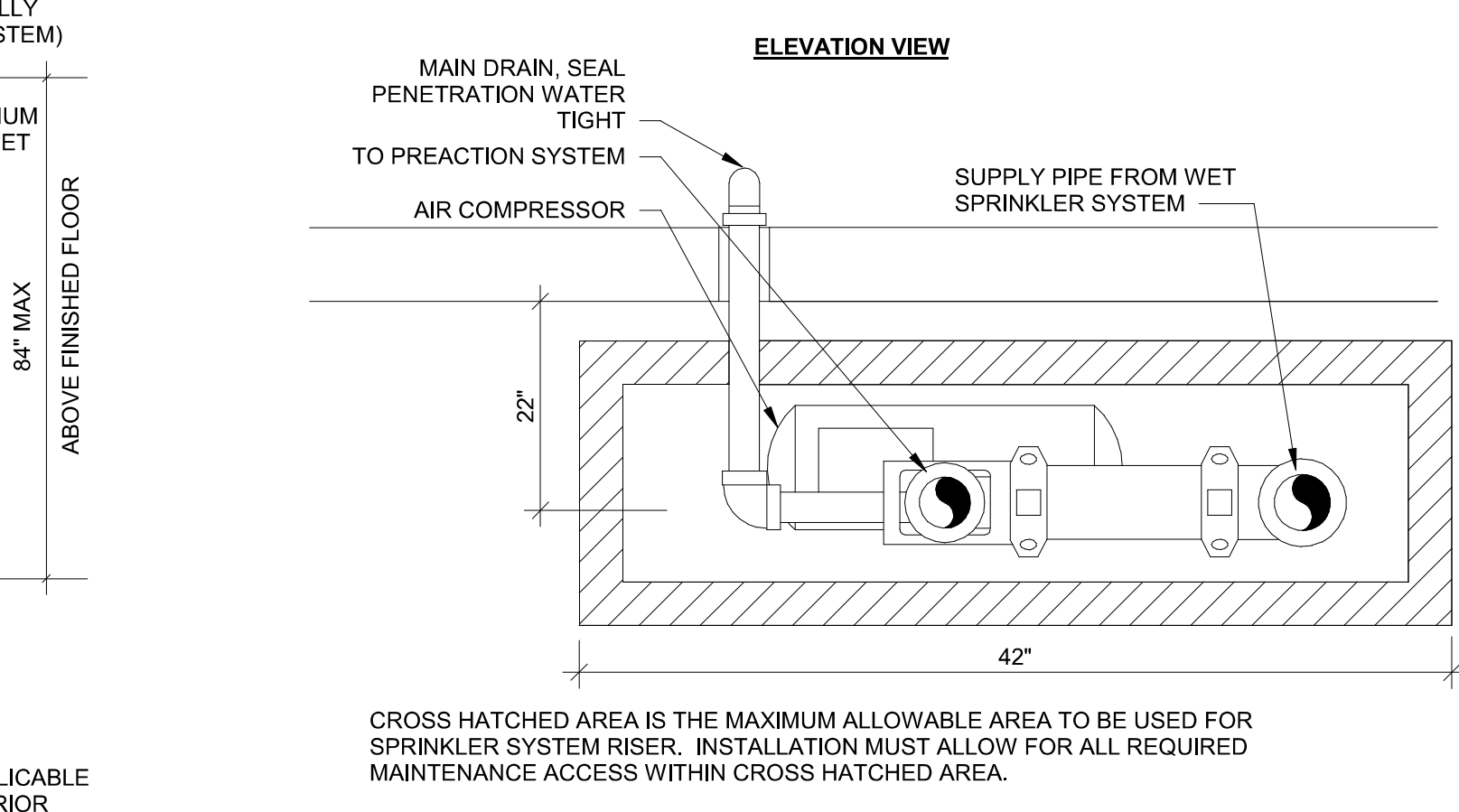
11 FIRE PROTECTION RISER - PREACTION SYSTEM  
NTS



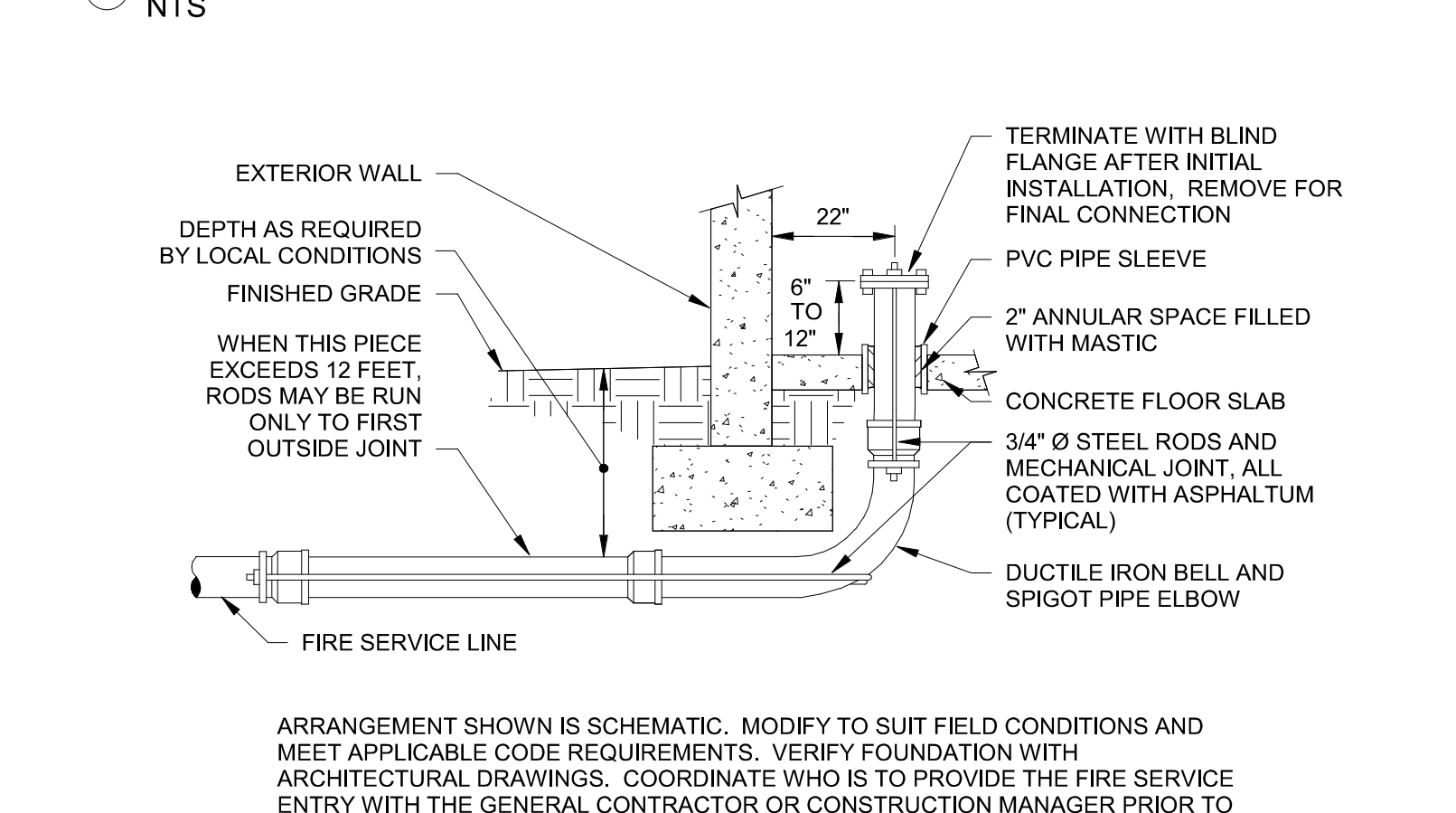
6 CONCEALED SPRINKLER WITH FLEXIBLE PIPING  
NTS



12 INSPECTOR'S TEST / AUXILIARY DRAIN  
NTS

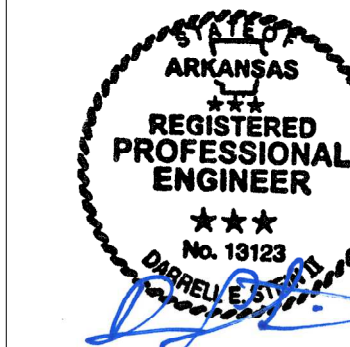


11 FIRE PROTECTION RISER - PREACTION SYSTEM  
NTS

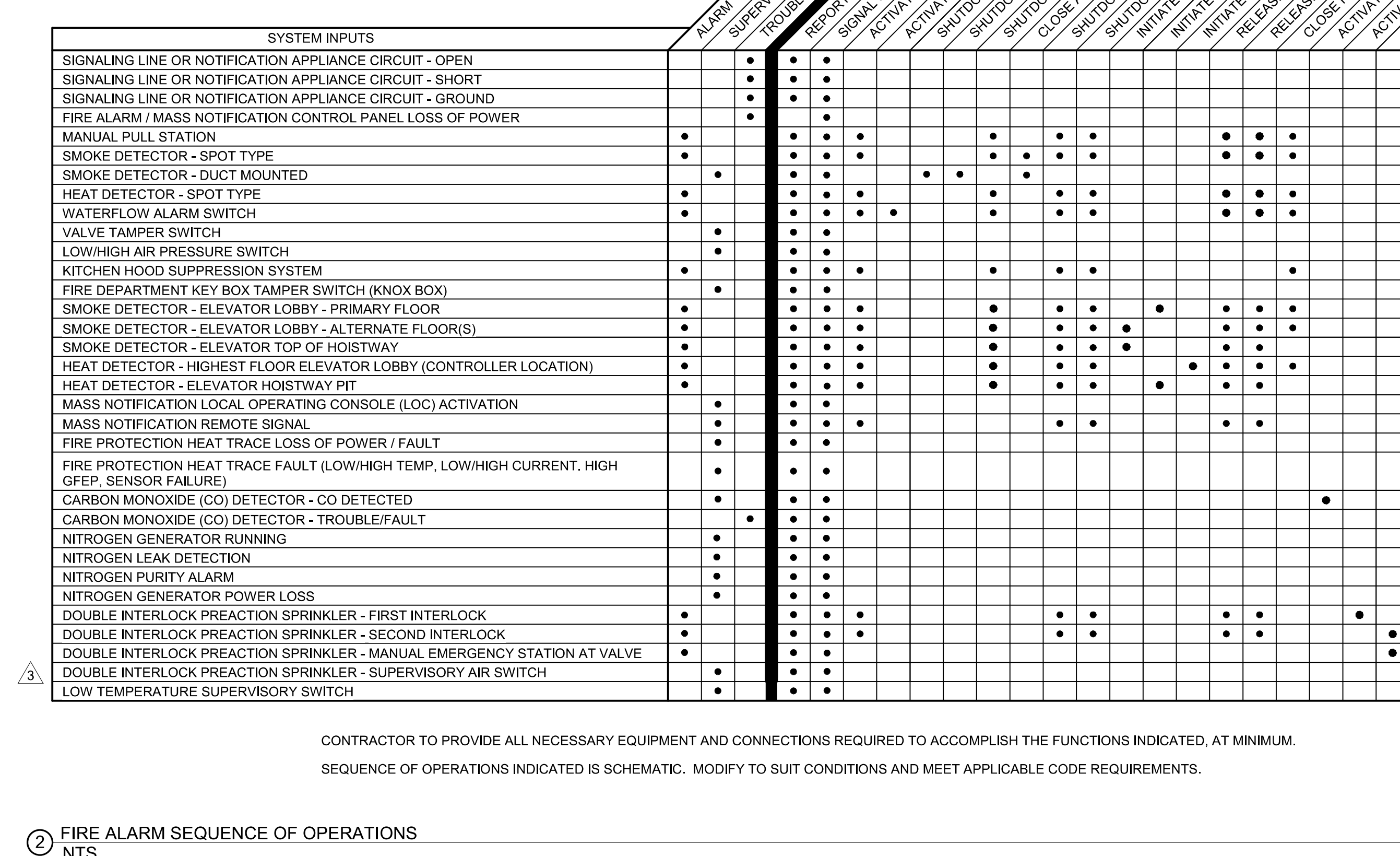
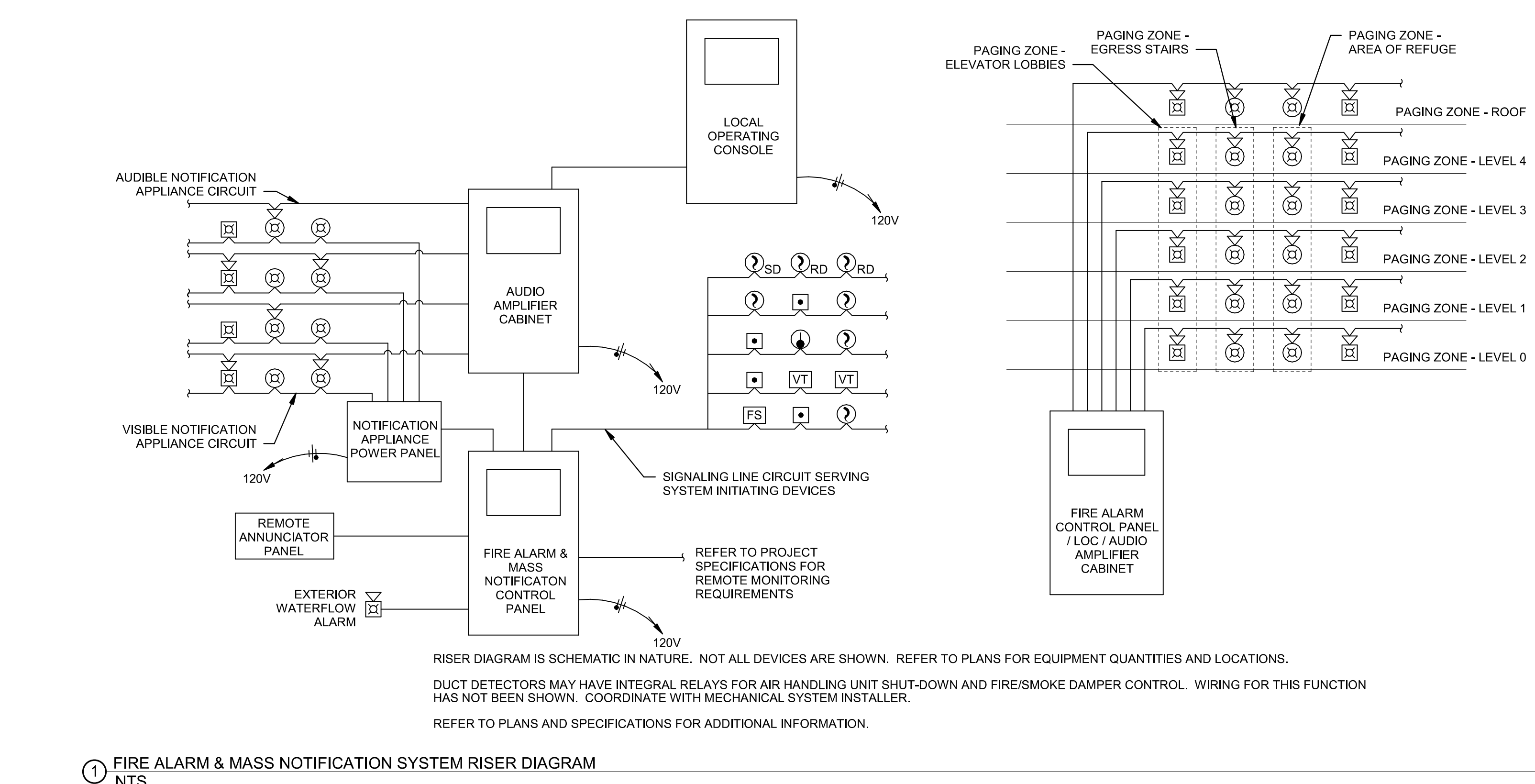
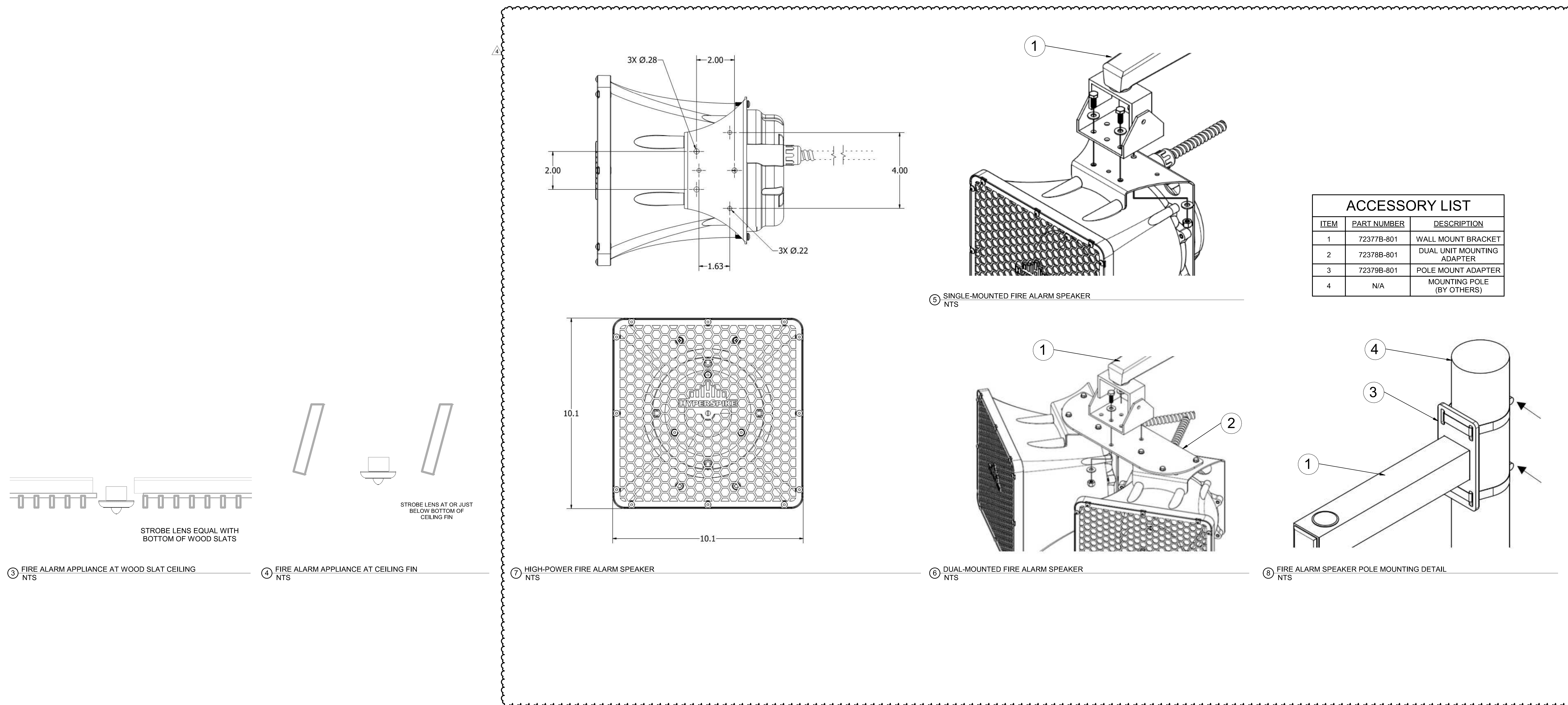


1 FIRE SERVICE ENTRY  
NTS

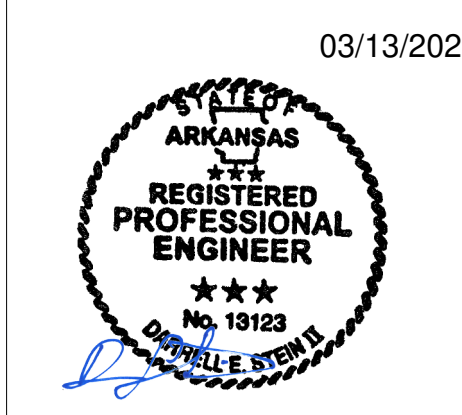




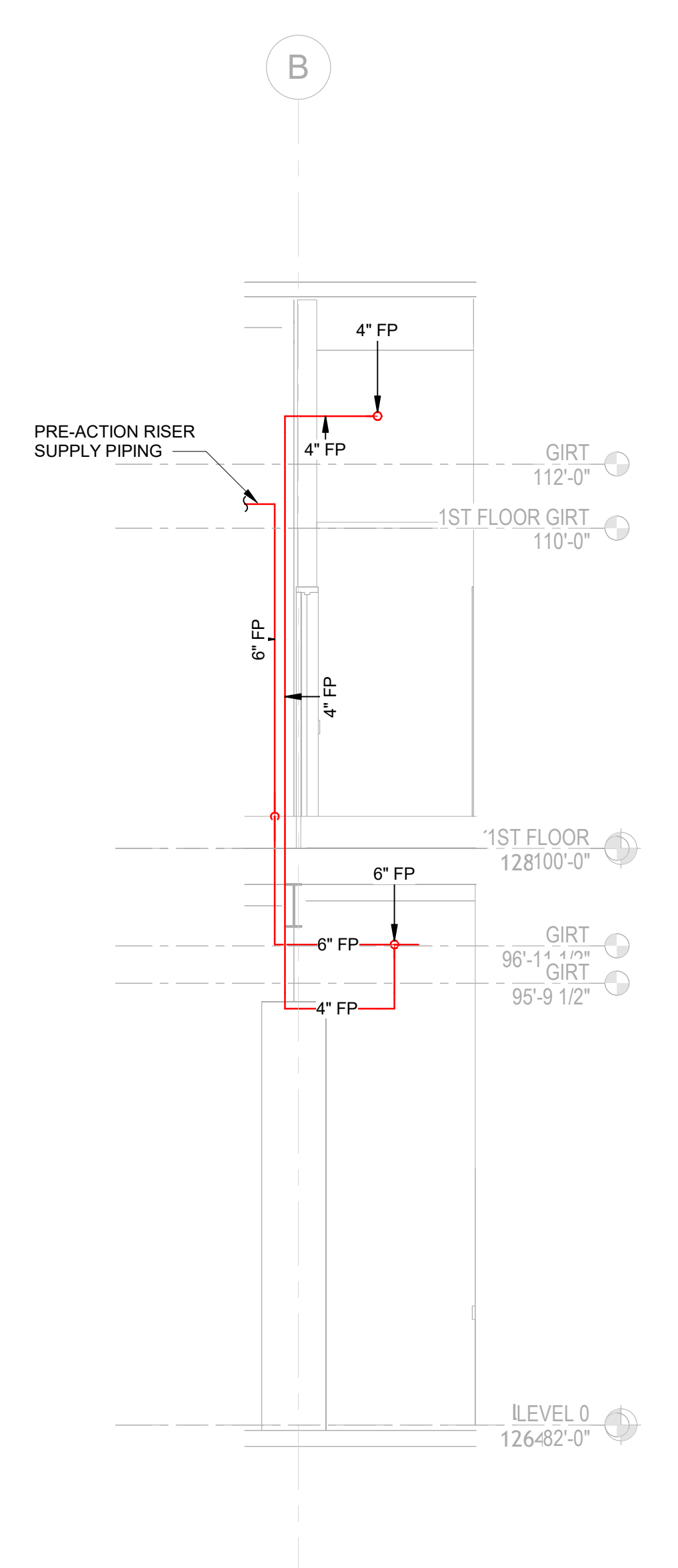
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/19/23	Addendum 1
2	06/29/23	Addendum 2
3	07/25/24	REVISED
4	06/18/24	REVISED



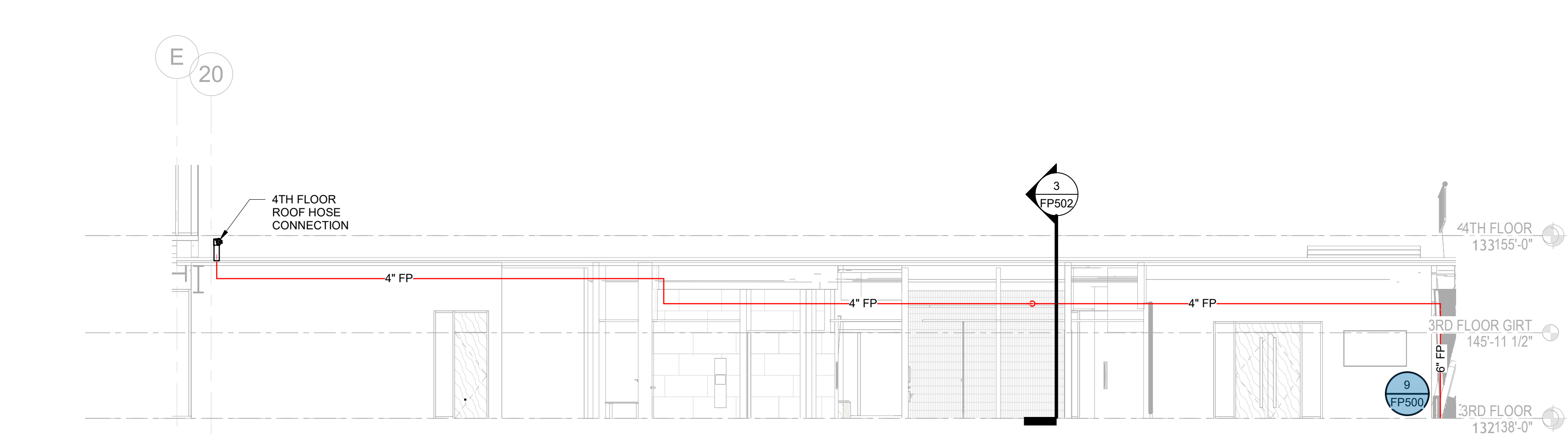




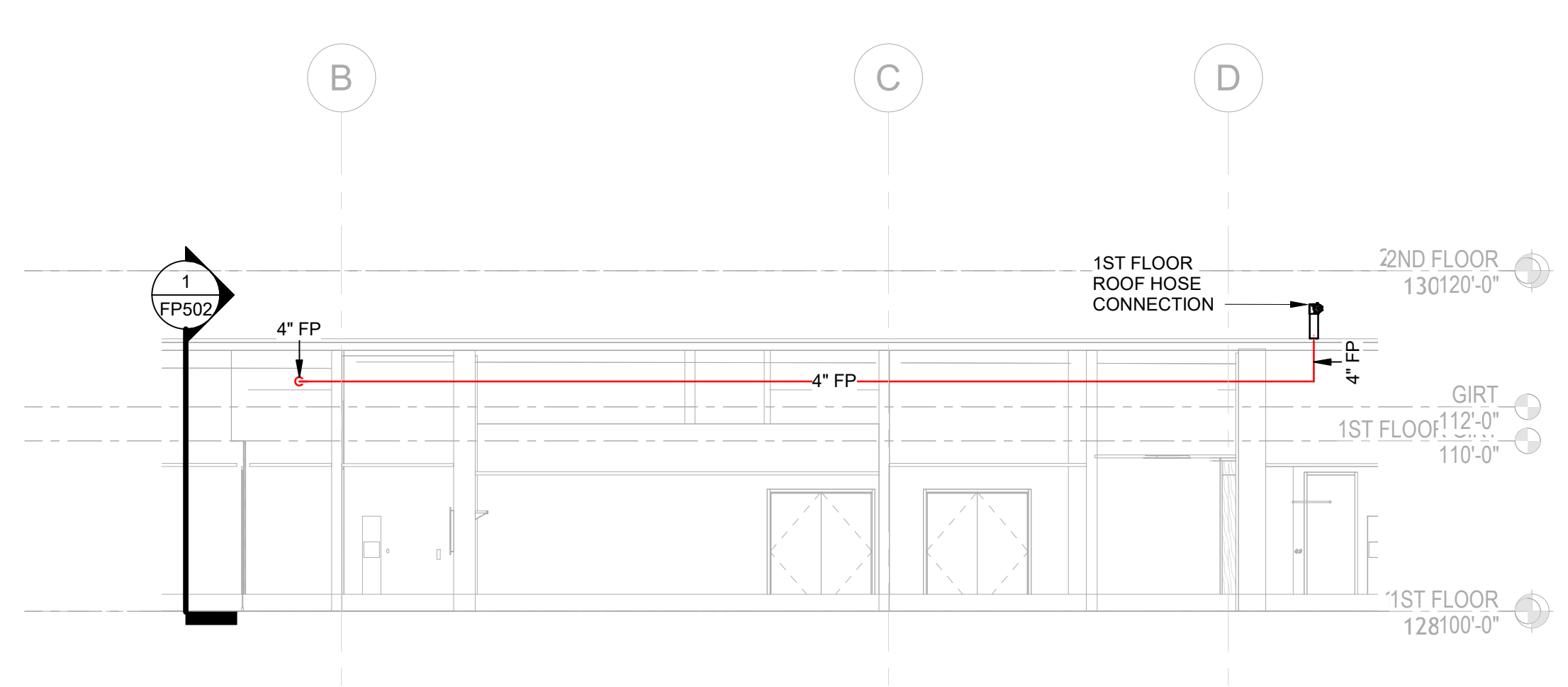
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/2023	Issued for I



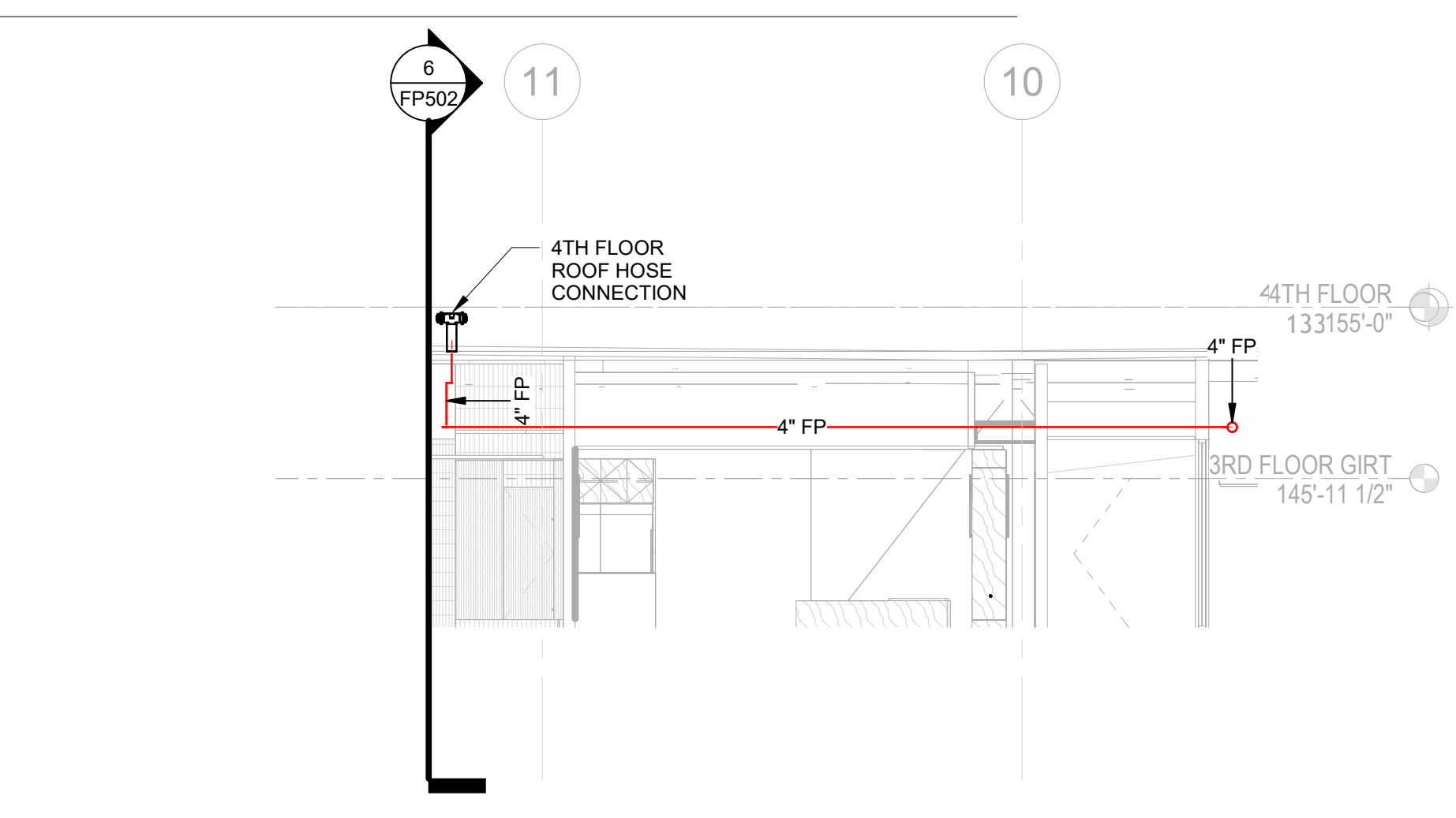
5 1ST AND 3RD FLOOR ROOF HOSE CONNECTION SUPPLY PIPING  
1/4" = 1'-0"



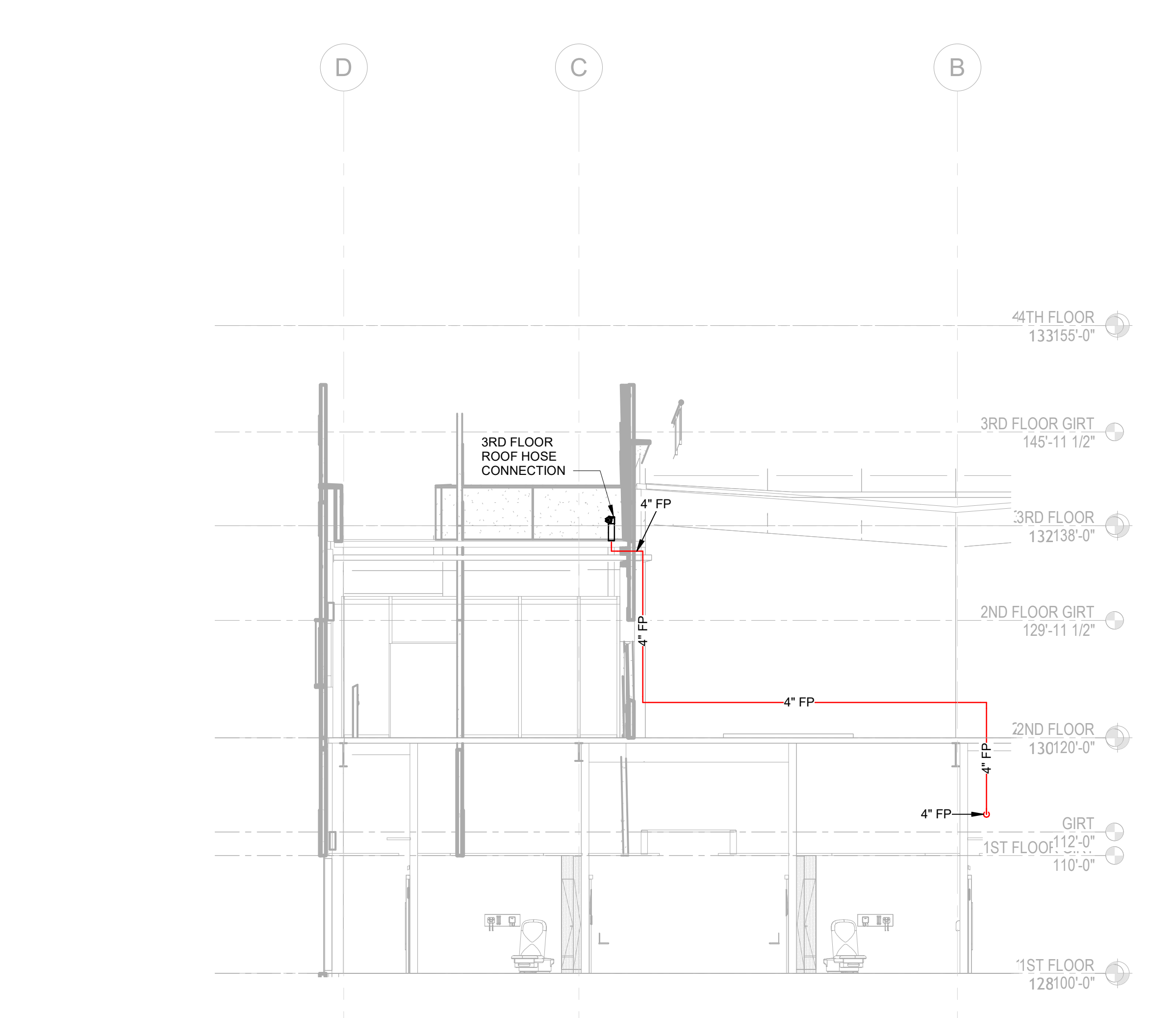
2 4TH FLOOR ROOF HOSE CONNECTION - 1  
1/8" = 1'-0"



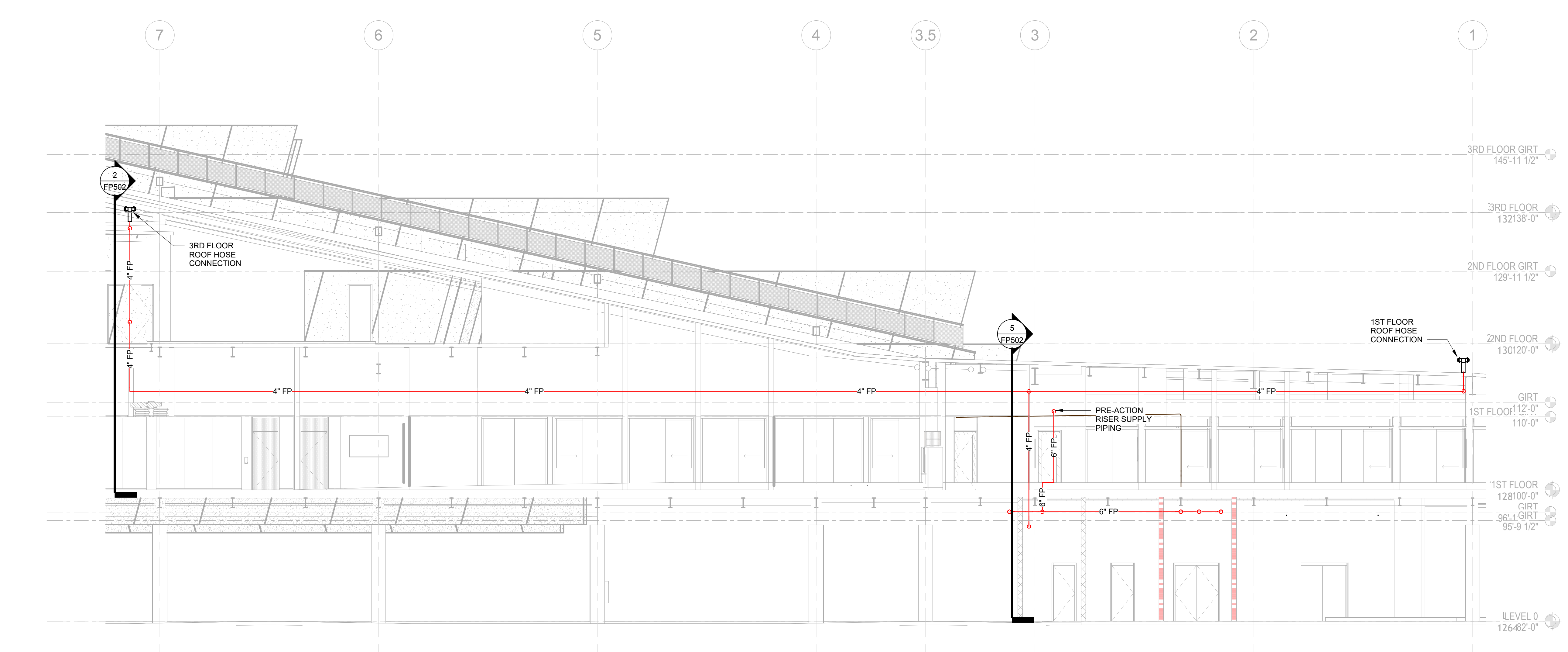
4 1ST FLOOR ROOF HOSE CONNECTION  
1/8" = 1'-0"



3 4TH FLOOR ROOF HOSE CONNECTION - 2  
1/8" = 1'-0"



1 3RD FLOOR ROOF HOSE CONNECTION PIPING  
1/8" = 1'-0"



1 1ST AND 3RD FLOOR ROOF HOSE CONNECTION  
1/8" = 1'-0"