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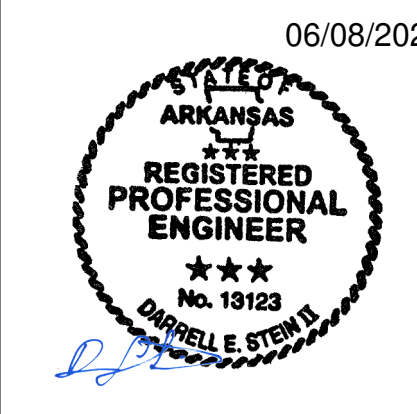
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TWO TWELVE
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NEW YORK, NY 10001
P: 212.254.8070

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WATER FEATURES
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2105 S. TOWNE CENTER, SUITE 100
ANAHAIM, CA 92806
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PSW Job Number:
993A
Henderson Job Number:
2150002607

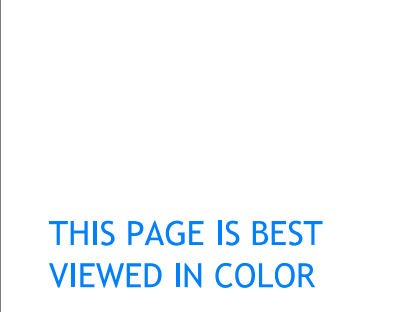


AWSOM
Bentonville, AR

Issue Date:
02.24.2023

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

Contents:
**FIRE
PROTECTION
GENERAL NOTES
AND LEGEND**



THIS PAGE IS BEST
VIEWED IN COLOR

FP000

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

ANNOTATION

- ① FIRE PROTECTION PLAN NOTE CALLOUT
- ☛ CONNECTION POINT OF NEW WORK TO EXISTING
- ① E1 DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- E1 SECTION CUT DESIGNATION
- ☒ DEDICATED EQUIPMENT ACCESS TILE
- ☒ ACCESS PANEL

FIRE SPRINKLERS

- UPRIGHT SPRINKLER
- PENDENT SPRINKLER
- CONCEALED SPRINKLER
- DRY PENDENT SPRINKLER
- ▽ DRY SIDEWALL SPRINKLER
- ▽ SIDEWALL SPRINKLER

FIRE SPRINKLER PIPING

- FP— FIRE PROTECTION (FP)
- SHUTOFF VALVE
- CHECK VALVE
- BACKFLOW PREVENTER
- CAP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- FIRE DEPARTMENT CONNECTION
- FIRE PUMP TEST HEADER
- INSPECTOR'S TEST CONNECTION / AUXILIARY DRAIN
- SPRINKLER RISER
- TOP BEAM CLAMP
- TRAPEZE HANGER

FIRE ALARM

- FACP FIRE ALARM CONTROL PANEL/UNIT
- FAAP RECESSED FIRE ALARM CONTROL PANEL/UNIT
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- FAAP RECESSED FIRE ALARM ANNUNCIATOR PANEL
- AMP AMPLIFIER PANEL
- RP REMOTE POWER SUPPLY
- RTS REMOTE TEST STATION WITH INDICATING LIGHT
- RI REMOTE INDICATING LIGHT
- PS PRESSURE SWITCH LOW/HIGH
- FS WATERFLOW ALARM SWITCH
- VT CONTROL VALVE TAMPER SWITCH
- DH MAGNETIC DOOR HOLD OPEN DEVICE
- CM CONTROL MODULE
- MM MONITOR MODULE
- K FIRE DEPARTMENT KEY BOX
- PULL STATION
- FF FIREFIGHTER'S PHONE JACK
- HEAT DETECTOR (E INDICATES ELEVATOR RECALL)
- SMOKE DETECTOR (E INDICATES ELEVATOR RECALL)
- SD SINGLE STATION SMOKE DETECTOR
- ST PROTECTED BEAM SMOKE DETECTOR
- SD DUCT MOUNTED SMOKE DETECTOR (SD=SUPPLY/RD=RETURN)
- CM CARBON MONOXIDE DETECTOR
- AREA OF REFUGE 2-WAY COMMUNICATION SYSTEM
- WALL MOUNTED AUDIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- WALL MOUNTED VISIBLE NOTIFICATION APPLIANCE #V INDICATES CANDELA
- WALL MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- CEILING MOUNTED AUDIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- CEILING MOUNTED VISIBLE NOTIFICATION APPLIANCE #V INDICATES CANDELA
- CEILING MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- CEILING MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE #V INDICATES CANDELA
- END OF LINE RESISTOR
- ABORT SWITCH
- BELL

HATCHING LEGEND

- ENLARGED PLAN
- NOT IN SCOPE (NS)
- EXTERIOR BUILDING PROJECTION

STANDARD MOUNTING HEIGHTS

AUDIBLE APPLIANCE (TOP OF APPLIANCE)	90"
FIRE ALARM ANNUNCIATOR PANEL (TOP OF DISPLAY)	60"
FIRE ALARM BELL (EXTENSION) (CENTERLINE)	120"
FIRE ALARM CONTROL PANEL/UNIT (TOP OF DISPLAY)	60"
PULL STATION (TOP OF DEVICE)	48"
VISIBLE APPLIANCE (CENTERLINE)	84"

LINETYPE LEGEND

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.

EXISTING	NEW
DEMOLISH	FUTURE

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.
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION.
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, 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.

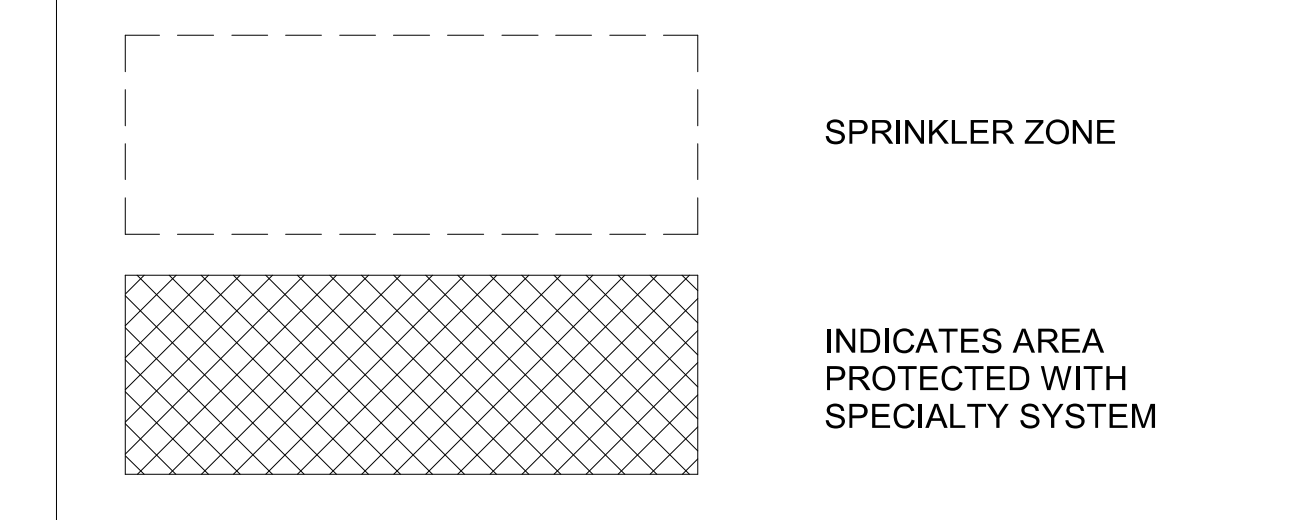
WATER SUPPLY INFORMATION:

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

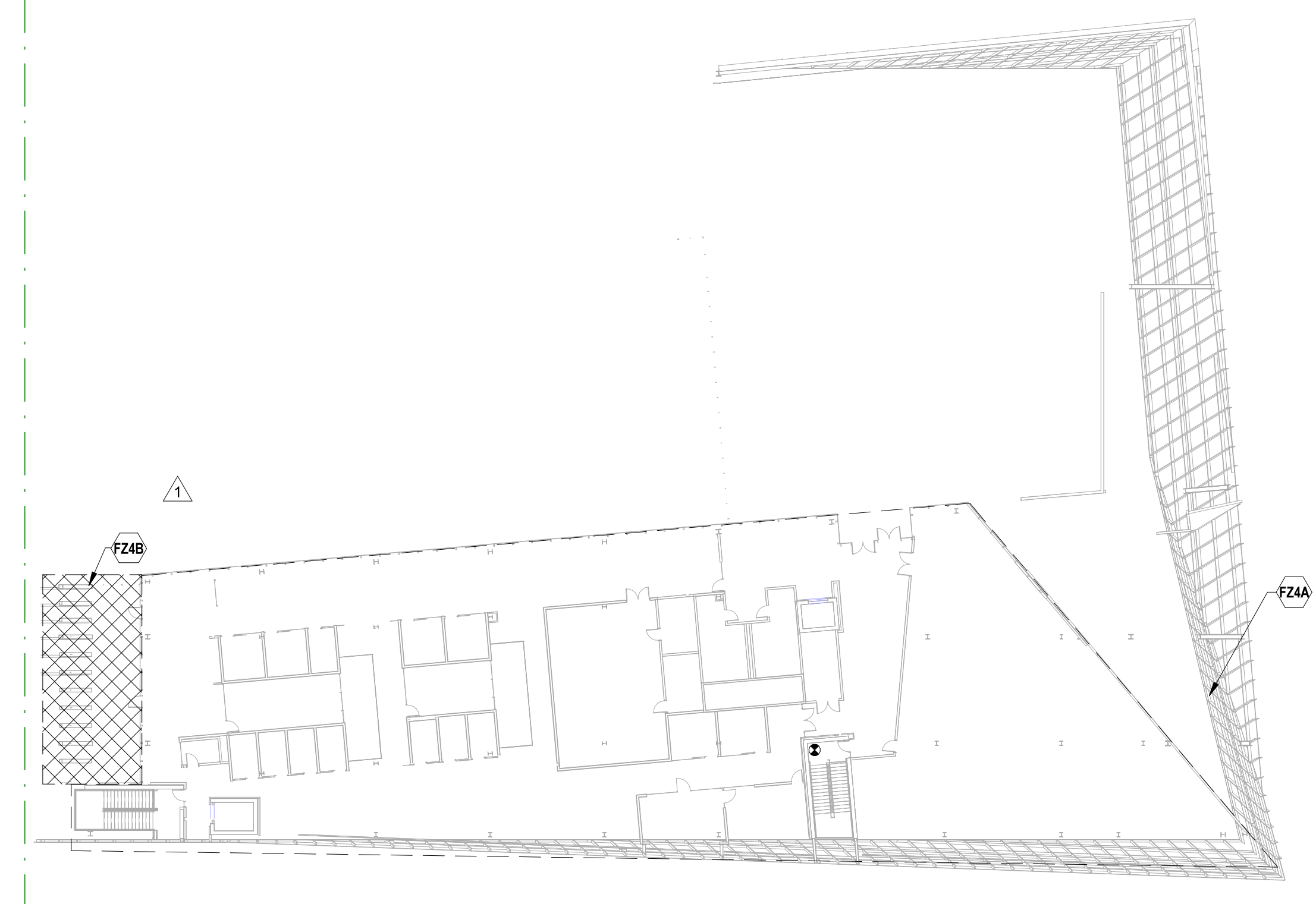
06/08/2023

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 1500 S.F.). DRY PIPE SYSTEM AREA INCREASE SHALL APPLY.

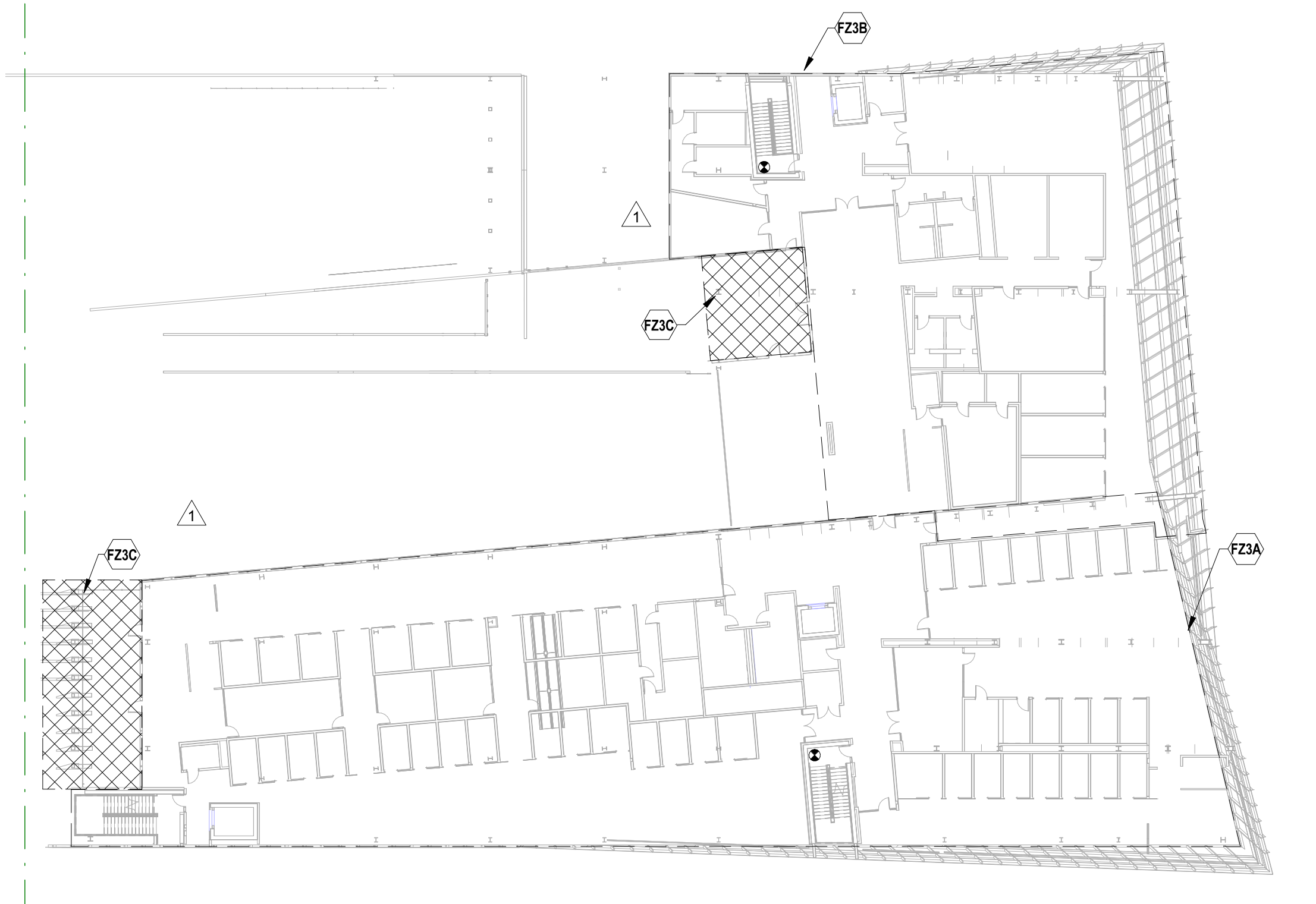
FIRE SPRINKLER ZONE SCHEDULE



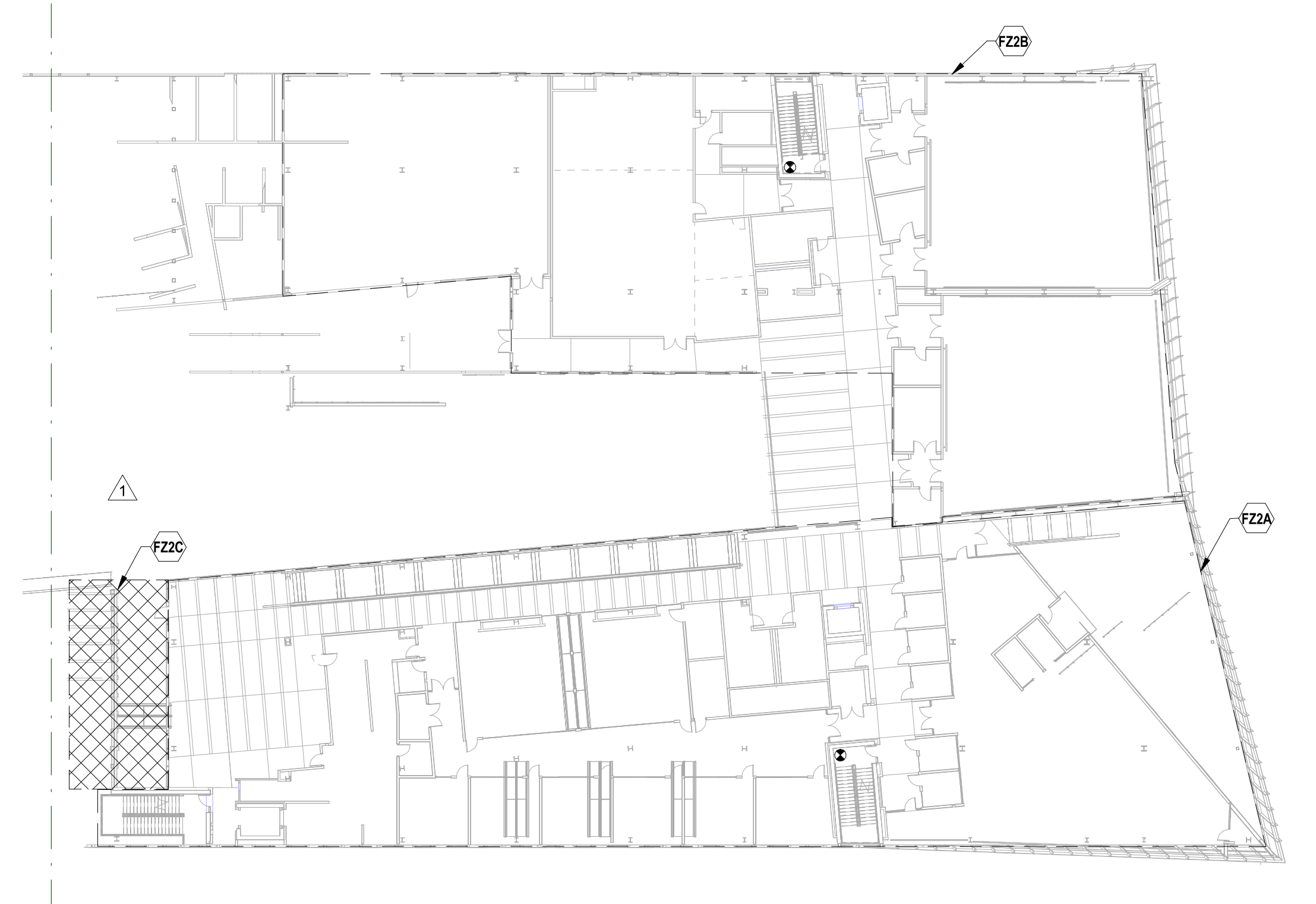
SPRINKLER ZONE	AREA(S) / LEVEL SERVED	SIZE	TYPE
ZONE #0A (FZ0A)	LEVEL 0, SYSTEM A	22,100 S.F.	DRY
ZONE #0B (FZ0B)	LEVEL 0, SYSTEM B	22,500 S.F.	DRY
ZONE #0C (FZ0C)	LEVEL 0, SYSTEM C	24,500 S.F.	DRY
ZONE #1A (FZ1A)	LEVEL 1, SYSTEM A	24,400 S.F.	WET
ZONE #1B (FZ1B)	LEVEL 1, SYSTEM B	35,800 S.F.	WET
ZONE #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	5,000 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)



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



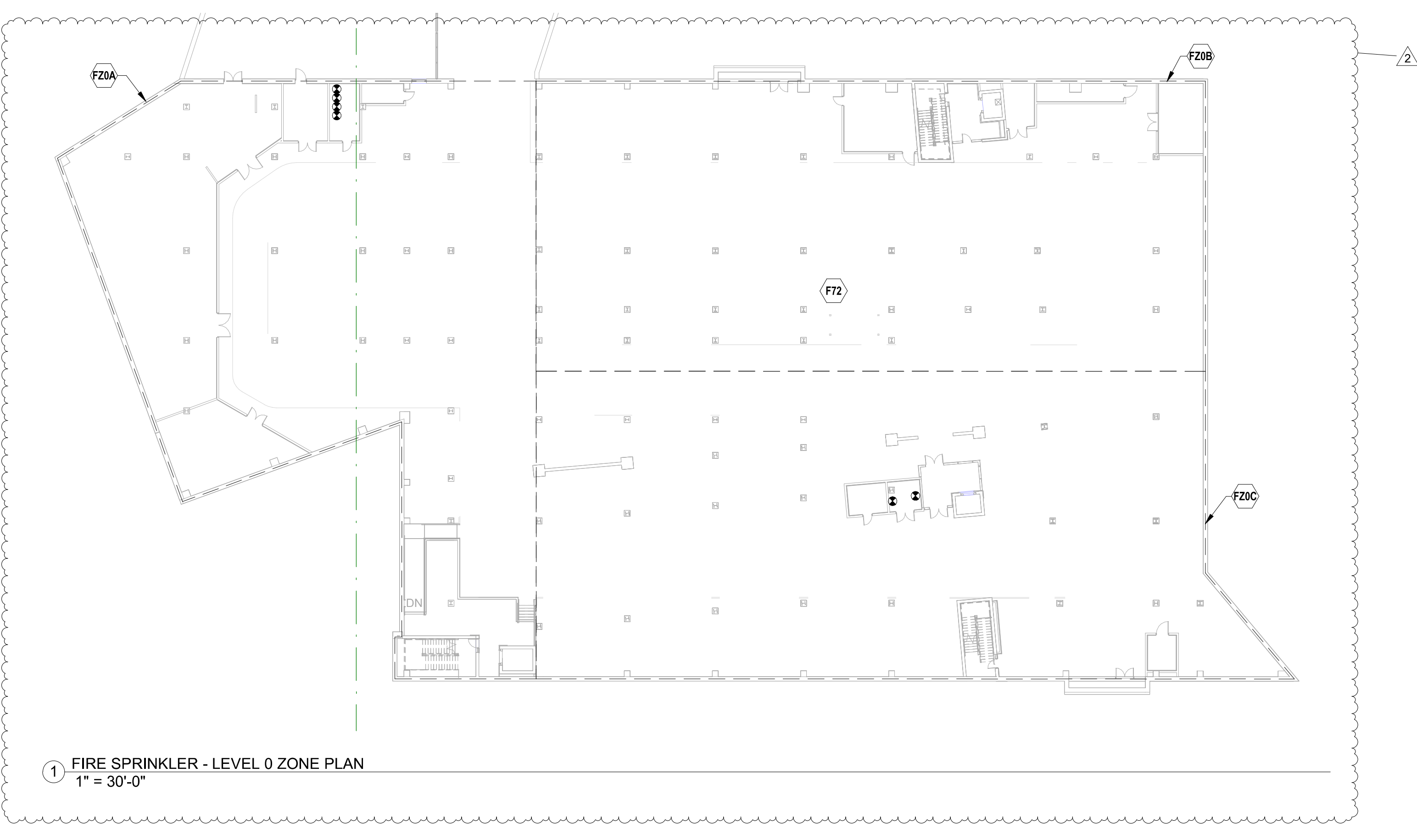
4 FIRE SPRINKLER - LEVEL 3 ZONE PLAN
1" = 30'-0"



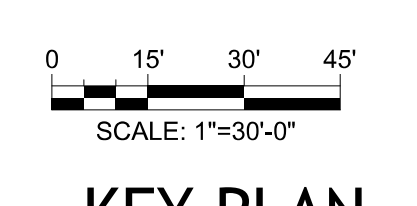
3 FIRE SPRINKLER - LEVEL 2 ZONE PLAN
1" = 30'-0"



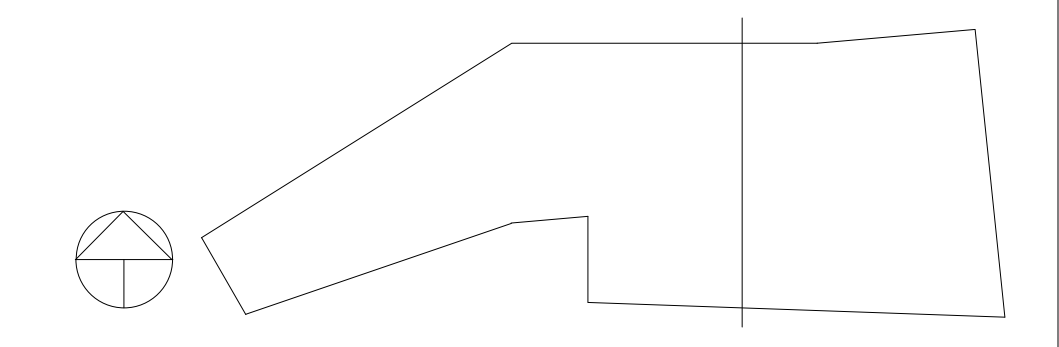
2 FIRE SPRINKLER - LEVEL 1 ZONE PLAN
1" = 30'-0"



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

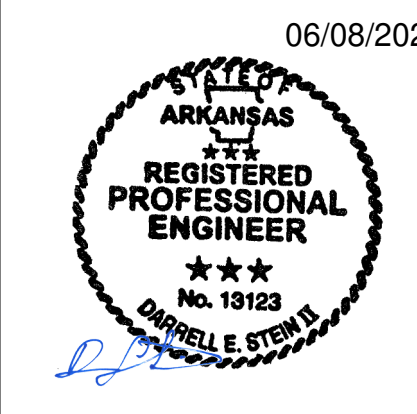


KEY PLAN



PSW Job Number:
993A

Henderson Job Number:
2150002607



AWSOM
Bentonville, AR

Issue Date:
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1	02.15.23	Issued for I
2	02.24.23	Issued for I

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:

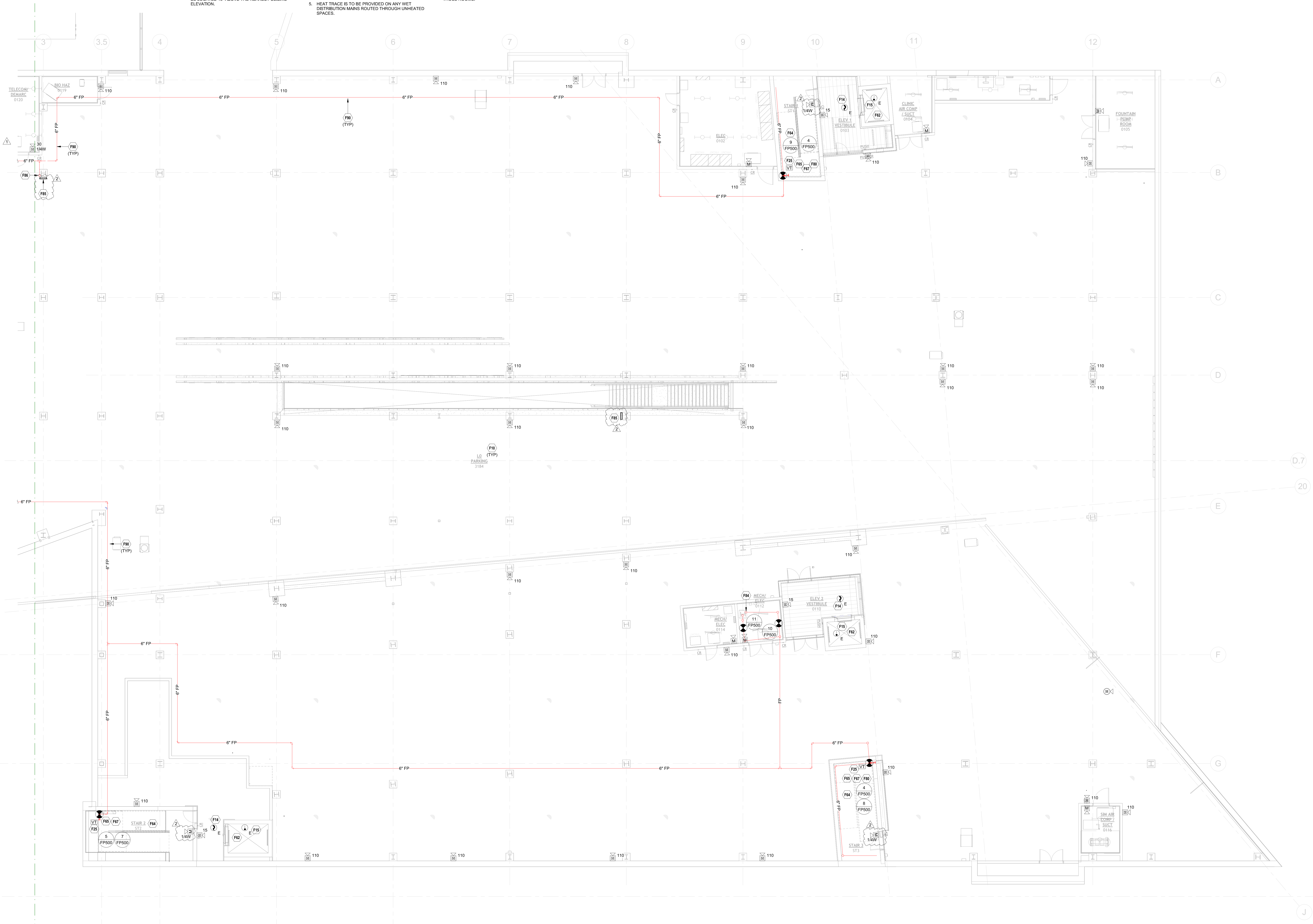
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER 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:

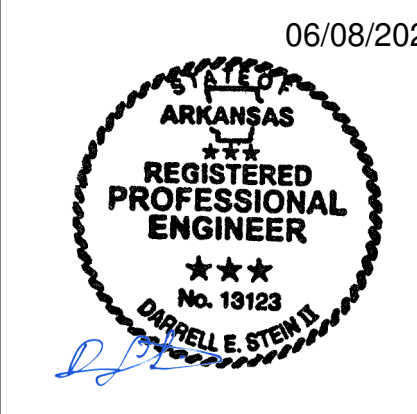
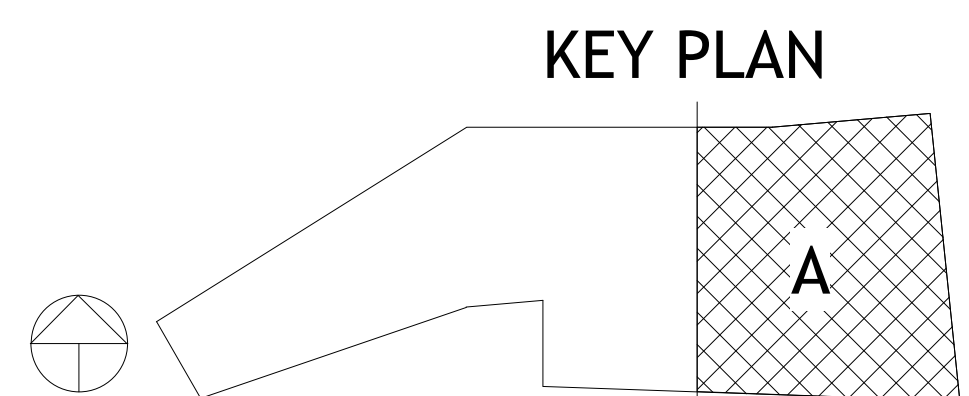
- F10 PROVIDE FIRE ALARM EQUIPMENT SUITABLE FOR ENVIRONMENTAL CONDITIONS.
- F14 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED FOR ELEVATOR RECALL AND/OR SHUTDOWN. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- F15 PROVIDE HEAT DETECTOR(S) WITHIN 2 FEET OF ALL SPRINKLERS IN AREA DESIGNATED. 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"



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

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3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
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FIRE SPRINKLER SCOPE OF WORK NOTES:

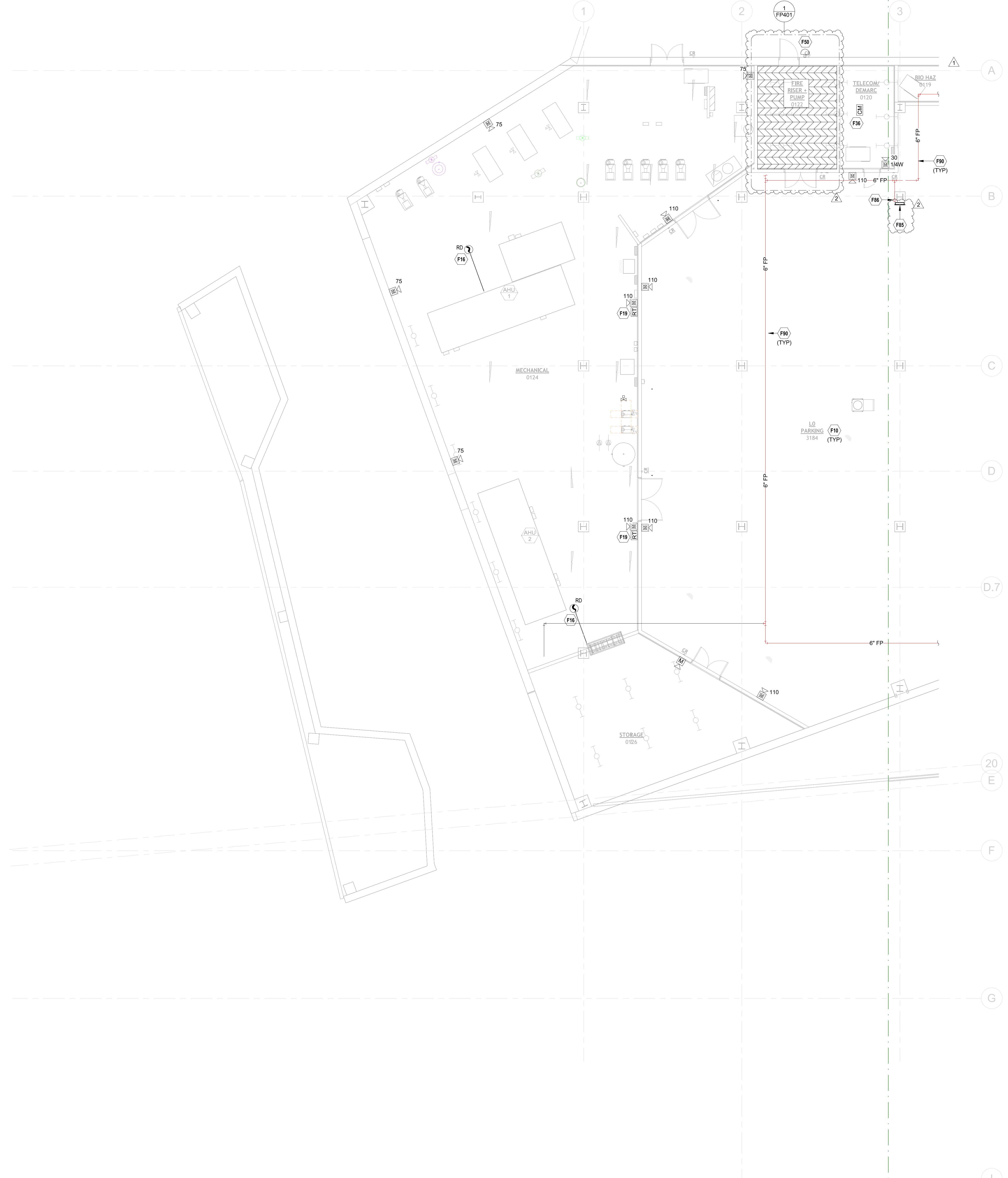
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3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
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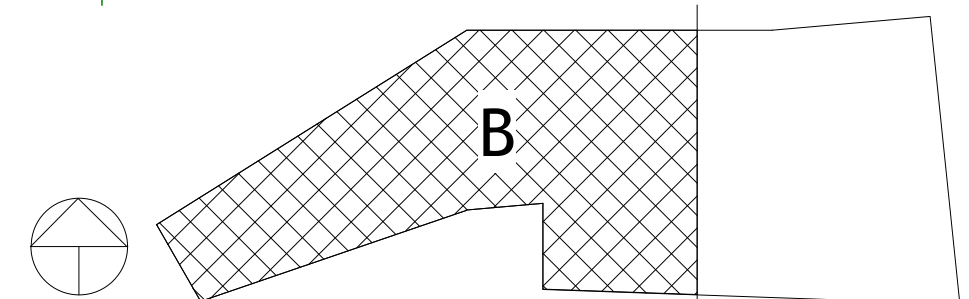
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8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, IT/DATA ROOMS, AV/ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

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.

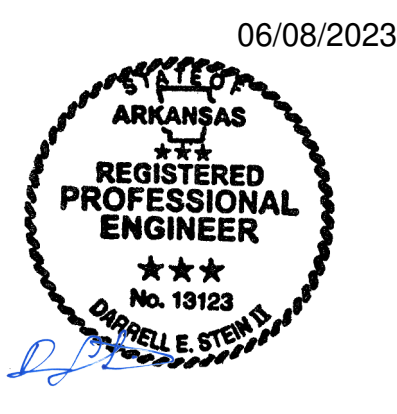


1 FIRE PROTECTION - LEVEL 0 RCP - AREA B
 1/8" = 1'-0" SCALE: 1/8"=1'-0"

KEY PLAN

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	05.09.23	Issued for 2

Contents:
FIRE PROTECTION - LEVEL 0 RCP - AREA B

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:

- 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/VISUAL 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.
- F15 PROVIDE DUCT-MOUNTED SMOKE DETECTOR (OR AREA DETECTOR IF APPLICABLE) FOR FRESH-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 AIR-FLOW PRESENT IN THE DUCT.
- F20 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION IN CEILING.

FIRE PROTECTION PLAN NOTES:

- F21 SMOKE DETECTION PROVIDED IN THIS ROOM AND ASSOCIATED SPACES FOR ACTIVATION OF THE PRE-ACTION SPRINKLER SYSTEM.
- F22 CONNECT FIRE SPRINKLER MONITORING DEVICES TO FIRE ALARM SYSTEM. COORDINATE QUANTITY AND LOCATION OF DEVICES WITH FIRE PROTECTION SYSTEMS.
- F23 PROVIDE EQUIPMENT AND CONNECTIONS TO OVERSEE 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.
- F24 DO NOT ROUTE SPRINKLER PIPING ABOVE ELECTRICAL DISTRIBUTION EQUIPMENT.
- F25 2-1/2" STANDPIPE HOSE VALVE, CAP AND CHAIN.
- F26 PROVIDE STANDPIPE OUTLETS AT THE MAIN STAIR LANDING LEVELS.

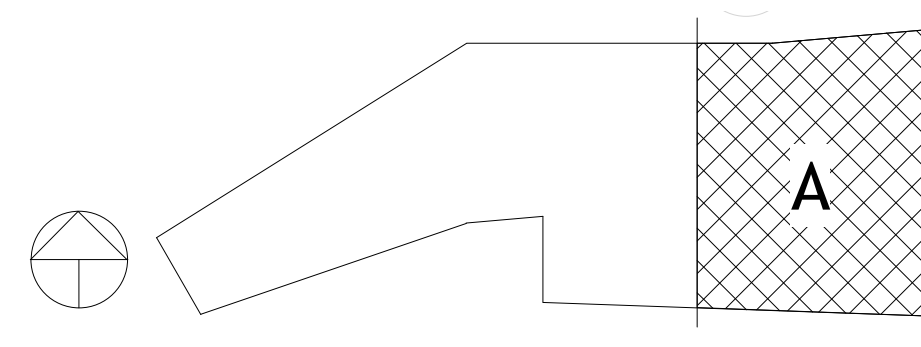
FIRE PROTECTION PLAN NOTES:

- F70 EXTERIOR PROJECTION NONCOMBUSTIBLE CONSTRUCTION. FIXED PERMANENT WATER FEATURES BELOW LIMITED PEDESTRIAN USE ONLY. NO STORAGE OF COMBUSTIBLE OR PERMANENT SEATING. SPRINKLER SUPPRESSION NOT REQUIRED FOR PROJECTION PER NFPA 13.
- F71 INSTALL ANTIFREEZE SPRINKLERS TO PROTECT EXTERIOR COVERED WALKWAY.
- F72 PROTECT AREA WITH SPRINKLERS ABOVE AND BELOW CLOUD CEILING IN ACCORDANCE WITH NFPA 13.
- F73 MINIMUM 0" 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.
- F74 ANTIFREEZE SYSTEM SUPPLY.
- F75 PROVIDE HOSE VALVE CABINET WITH 2-1/2" STANDPIPE HOSE VALVE CONNECTION.
- F76 PRE-ACTION SYSTEM SUPPLY.



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

KEY PLAN



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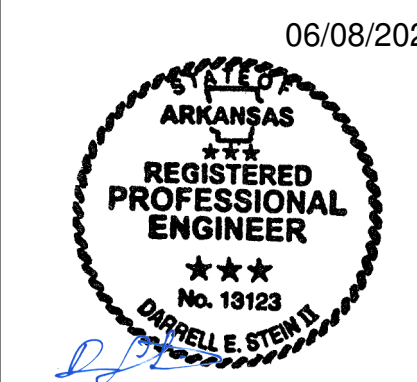
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PSW Job Number:
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AWSOM
Bentonville, AR

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1	03.15.23	Addressed 1
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Contents:
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 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:

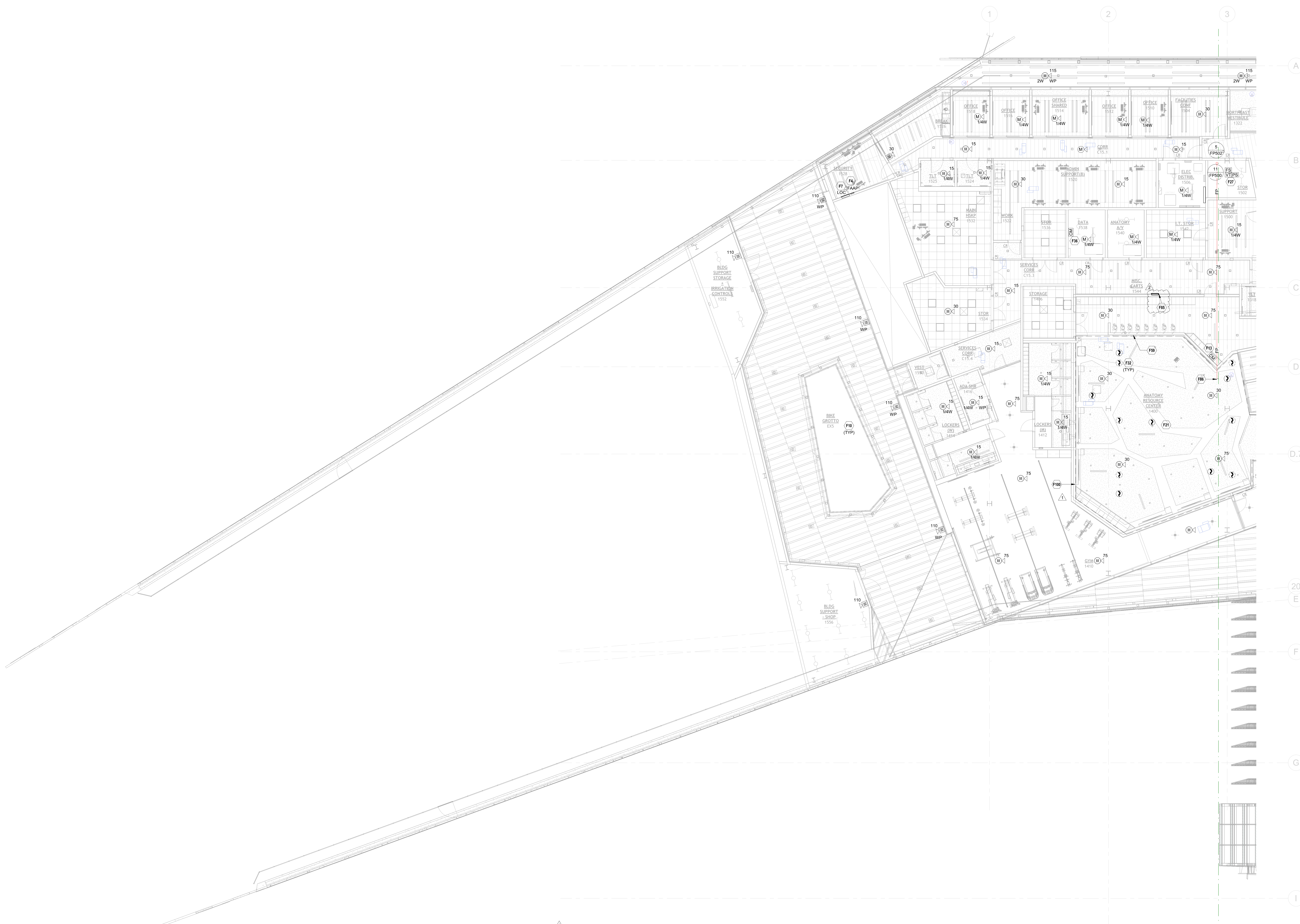
6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA, REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER 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:**

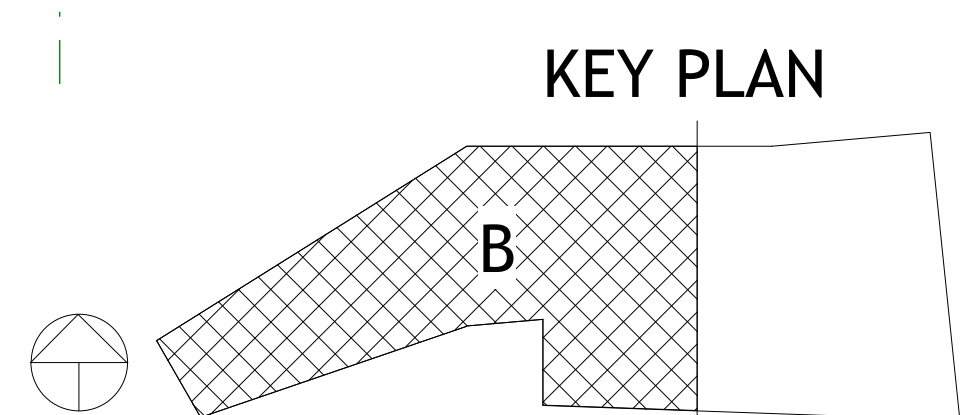
- F4 PROVIDE NEW REMOTE FIRE ALARM ANNUNCIATOR PANEL.
- F7 PROVIDE NEW MASS NOTIFICATION LOCAL OPERATING CONSOLE.
- F10 PROVIDE FIRE ALARM EQUIPMENT SUITABLE FOR ENVIRONMENTAL CONDITIONS.
- F13 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM. COORDINATE 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
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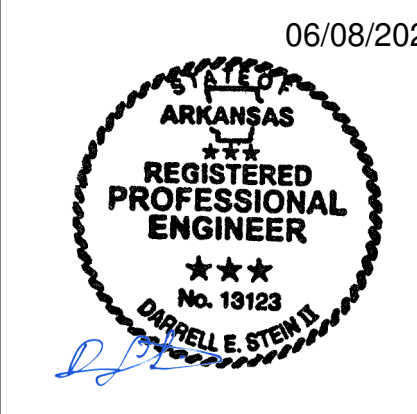
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 Bentonville, AR

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1	03.15.23	Addendum 1
2	05.29.23	Addendum 2

Contents:
FIRE PROTECTION - LEVEL 1 RCP - AREA B

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FP101B

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.
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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.

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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:

- F16 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.

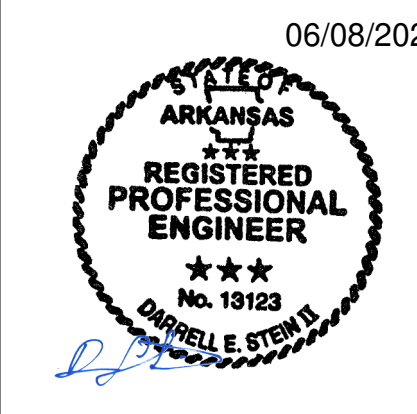
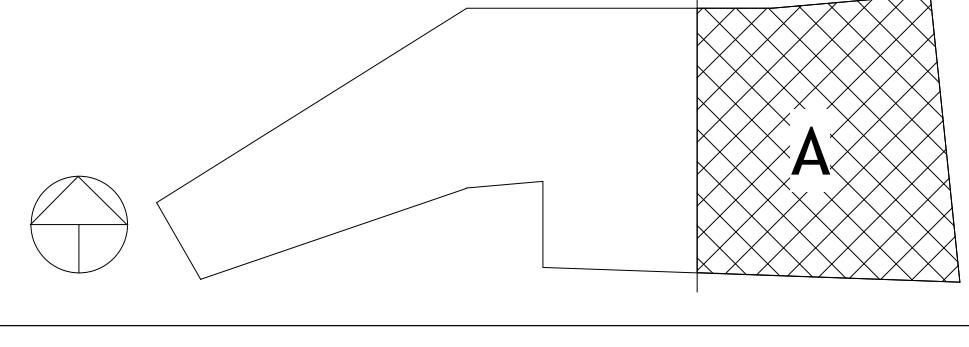
FIRE PROTECTION PLAN NOTES:

- 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



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1	03.15.23	Addressed 1
2	05.29.23	Addressed 2

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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 CONNECTIONS TO MONITOR HEAT TRACE PANEL FOR SUPERVISORY OR TROUBLE CONDITIONS.
- F4 PROVIDE EQUIPMENT AND CONNECTIONS 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.
- 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.

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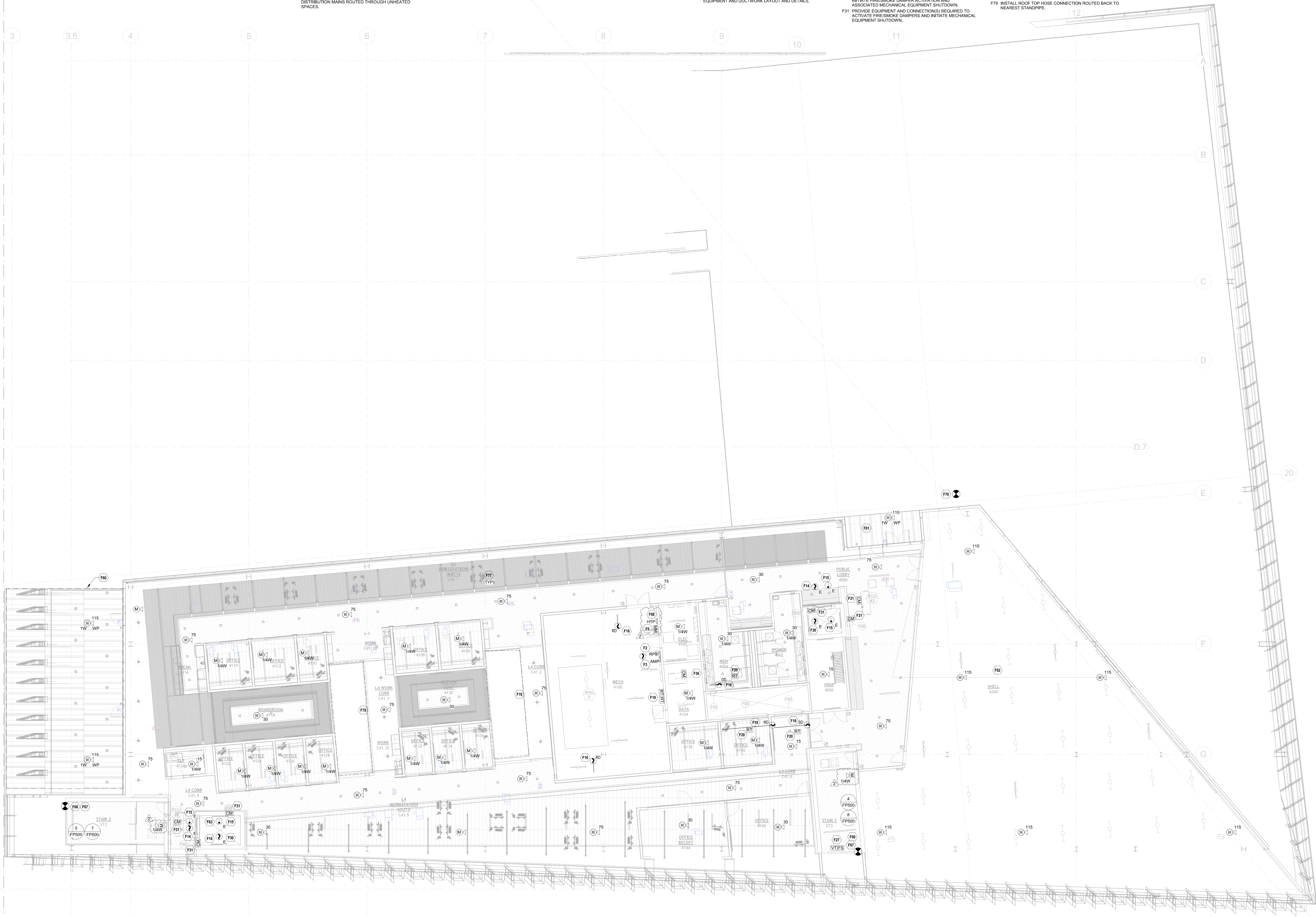
- F18 PROVIDE DUCT-MOUNTED SMOKE DETECTOR (OR AREA DETECTOR IF APPLICABLE) FOR FIRE-SMOKE DAMPER ACTIVATION. DETECTOR SHALL BE INSTALLED WITHIN 5 FEET OF DAMPER PER NFPA 72. REFER TO MECHANICAL SHEETS FOR EXACT LOCATION OF DAMPERS. THE DETECTOR SELECTED SHALL BE SUITABLE FOR THE AIRFLOW PRESENT IN THE 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.
- F22 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 CONNECTIONS REQUIRED TO ACTIVATE FIRE-SMOKE DAMPERS AND INITIATE MECHANICAL EQUIPMENT SHUTDOWN.

FIRE PROTECTION PLAN NOTES:

- 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 PROTECT AREA BELOW PROJECTION WITH HEAT TRACED WET-PIPE SYSTEM.
- F63 PROVIDE SPRINKLER PROTECTION AT THE TOP OF THE ELEVATOR HOISTWAY.
- F68 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.
- F78 INSTALL SIDEWALL SPRINKLERS IN SKYLIGHT IN ACCORDANCE WITH NFPA 13.
- F79 INSTALL ROOF TOP HOSE CONNECTION ROUTED BACK TO NEAREST STANDPIPE.

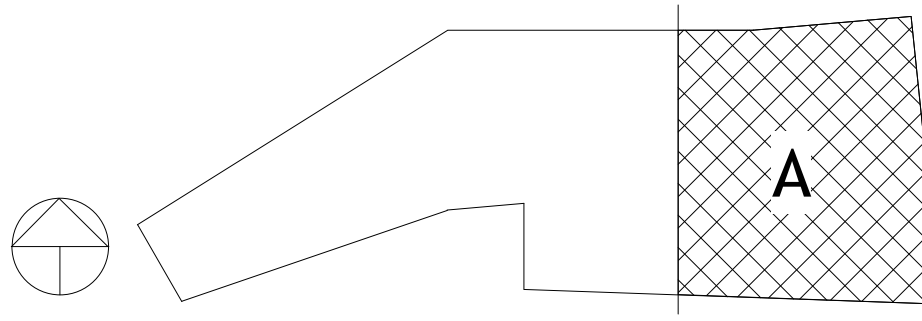
FIRE PROTECTION PLAN NOTES:

- 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/F2 OVER 1,600 FT²).
- F83 PROVIDE CHROMOX NBC BACKET CONVERTER MODULE OR APPROVED EQUAL.



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

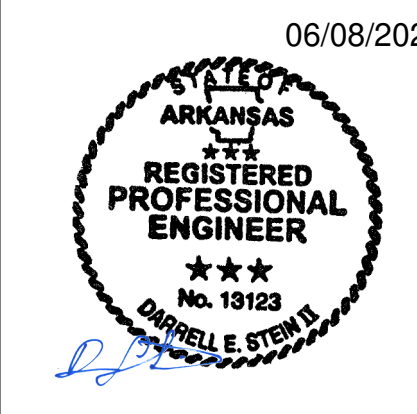
KEY PLAN



NUMBER	DATE	DESCRIPTION
1	02.15.23	ADDENDUM 1
2	08.29.23	ADDENDUM 2

Contents:
FIRE PROTECTION - LEVEL 4 RCP - AREA A

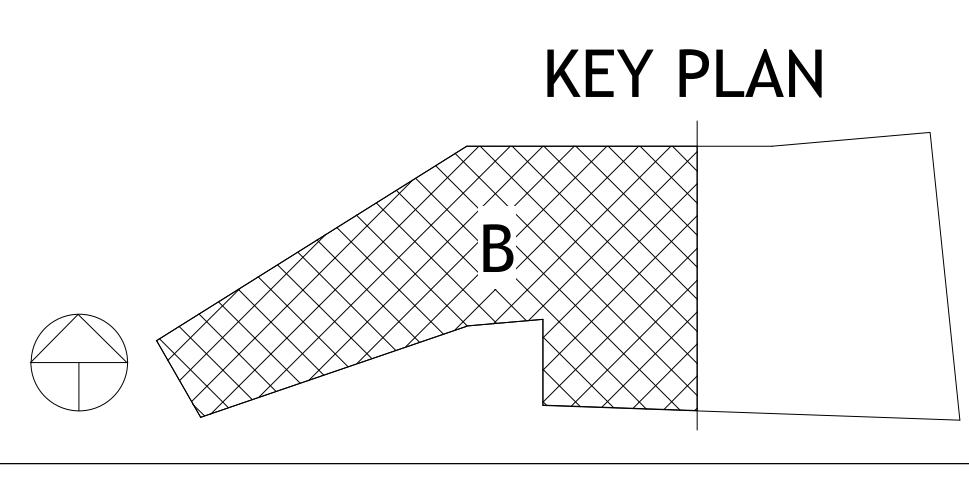
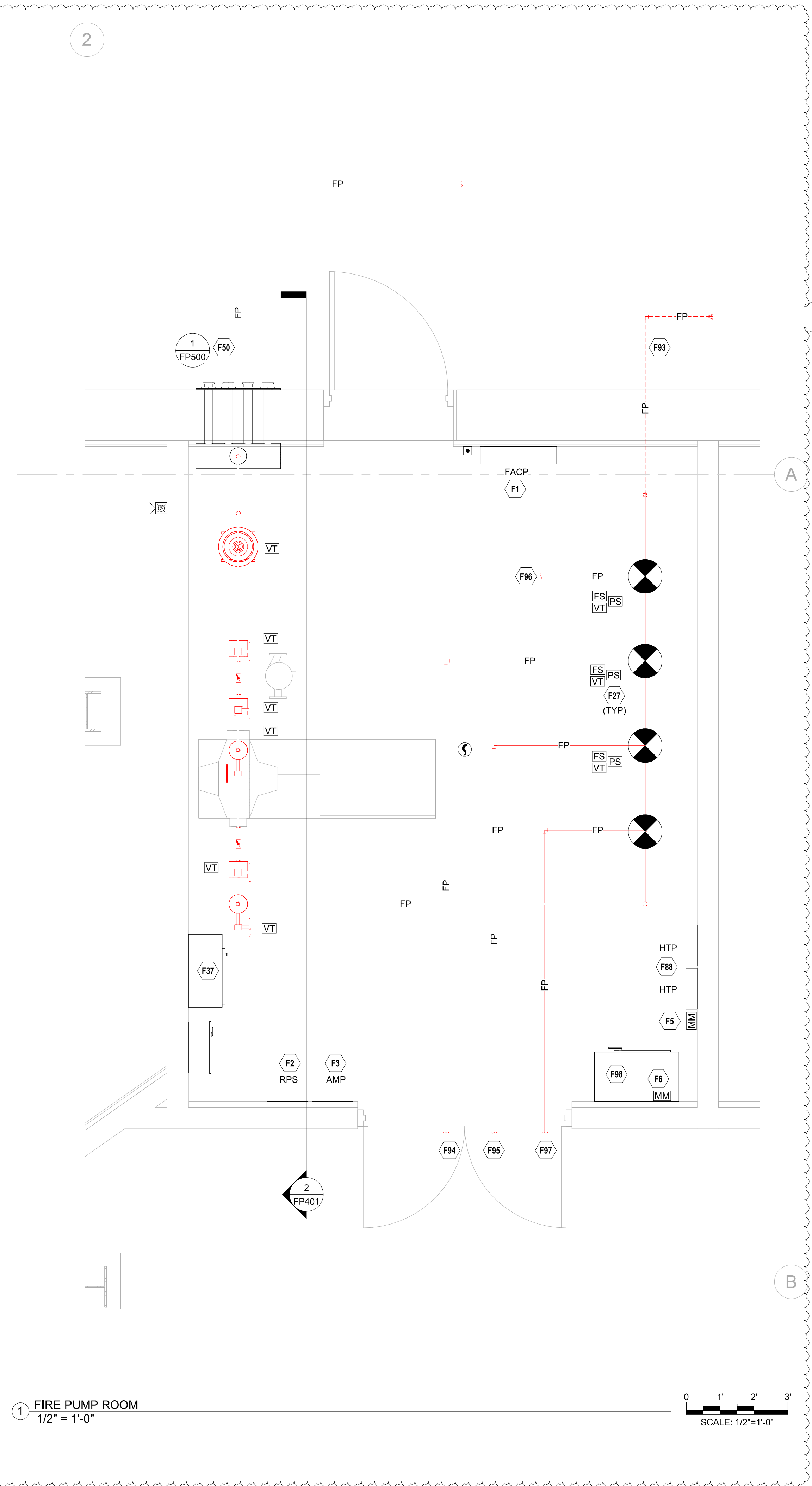
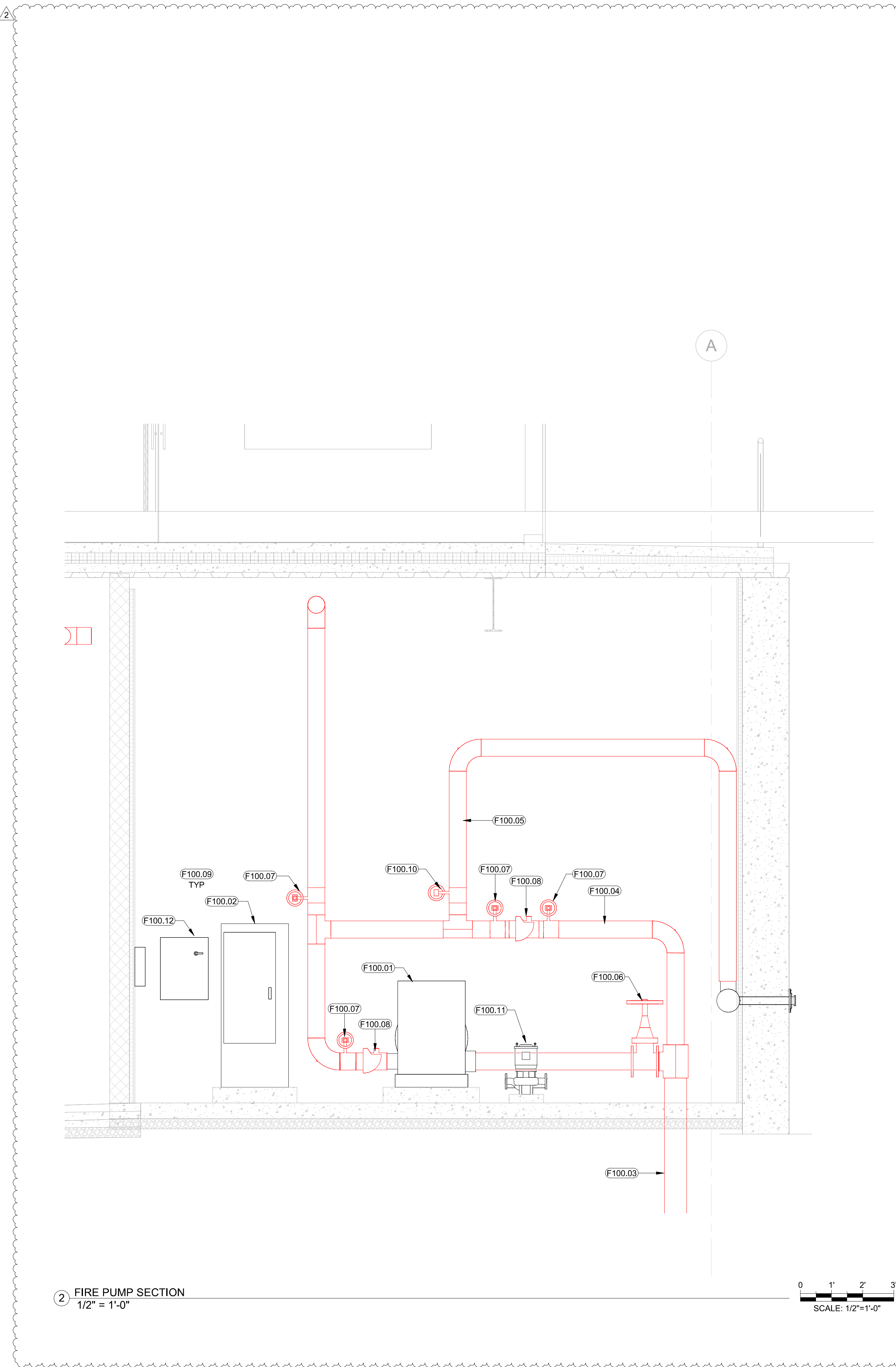
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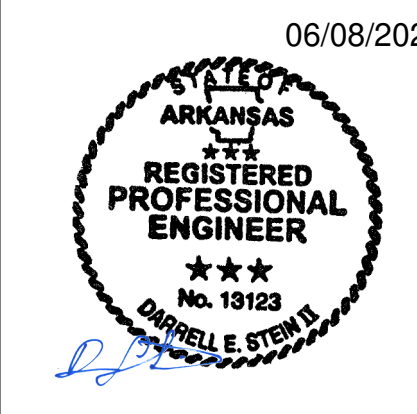


NUMBER	DATE	DESCRIPTION
2	08.09.23	As shown 2

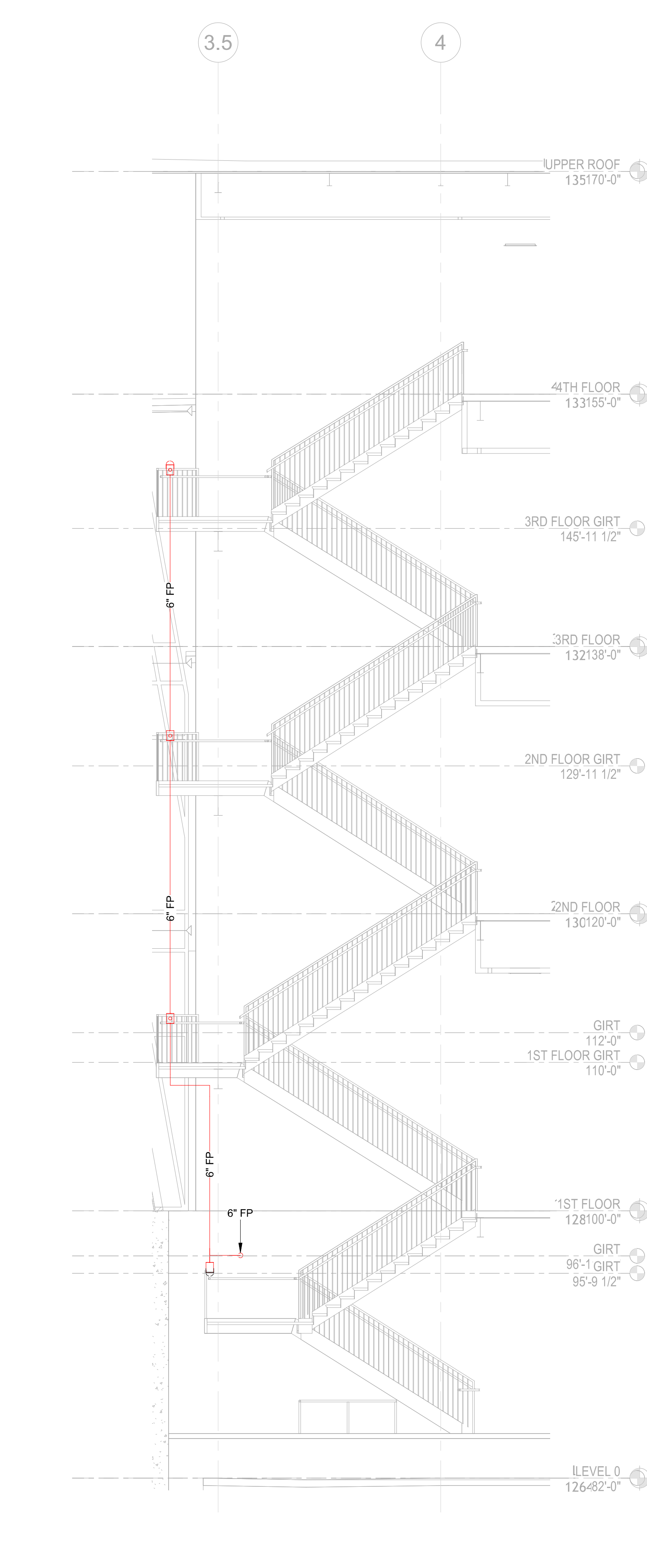
- FIRE PROTECTION PLAN NOTES:**
- F1 PROVIDE NEW FIRE ALARM / MASS NOTIFICATION CONTROL PANEL WITH INTEGRAL AMPLIFIER AND VOICE CONTROLS.
 - F2 PROVIDE REMOTE POWER SUPPLY TO POWER VISIBLE NOTIFICATION APPLIANCES.
 - F3 PROVIDE REMOTE AMPLIFIER FOR AUDIBLE NOTIFICATION APPLIANCES.
 - F5 PROVIDE EQUIPMENT 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.
 - F22 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 INCOMING IF FIRE LINE. SEE CIVIL FOR CONTINUATION.
 - F88 PROVIDE CHROMOX HEAT TRACE PANEL. PROVIDE CHROMOX MFC BAGNET CONVERTER MODULE OR APPROVED EQUAL.
 - F90 ROUTE TO REMOTE FIRE DEPARTMENT CONNECTION. REFER TO CIVIL FOR CONTINUATION.
 - F94 TO SPRINKLER ZONE FZ0A.
 - F96 TO SPRINKLER ZONE FZ0B.
 - F98 TO SPRINKLER ZONE FZ0C.
 - F97 TO SPRINKLER/STANDPIPE SUPPLY MAIN.
 - F98 PROVIDE SOUTH-TEK N2 BLAST FPS 3250 NITROGEN GENERATOR OR APPROVED EQUAL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

- 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 94 INCHES ABOVE FINISHED FLOOR ELEVATION.
 - F100.05 6" TO TEST HEADER WITH SIX (6) 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.
 - F100.12 PRESSURE MAINTENANCE PUMP CONTROLLER.

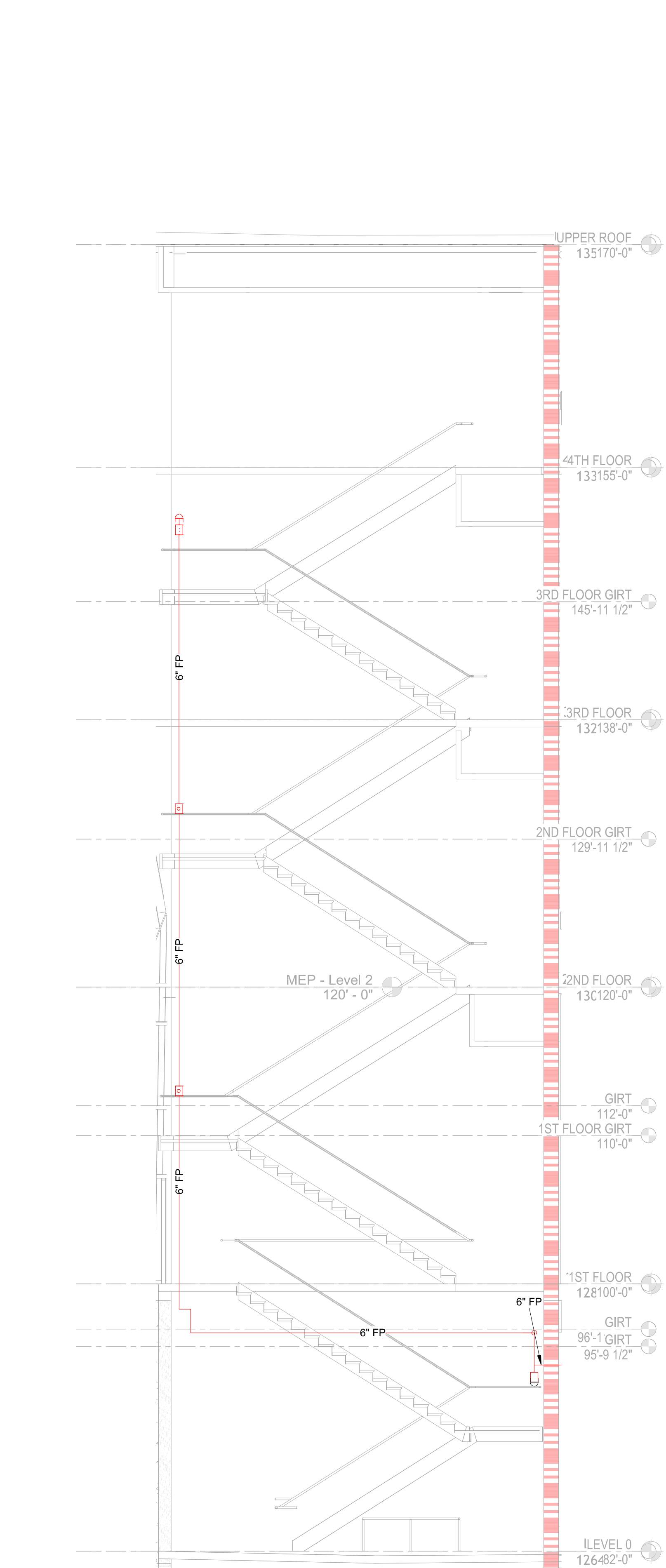




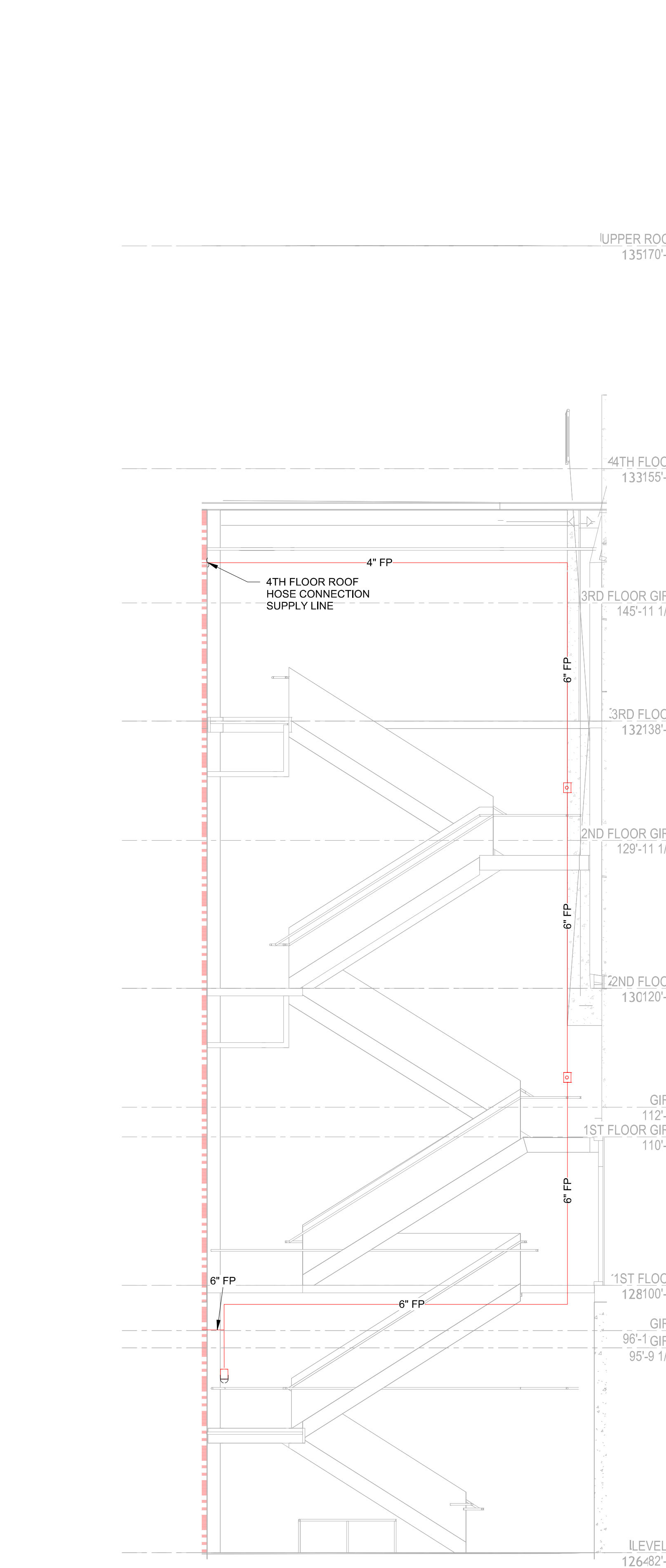
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2	05.09.23	Issued for 2



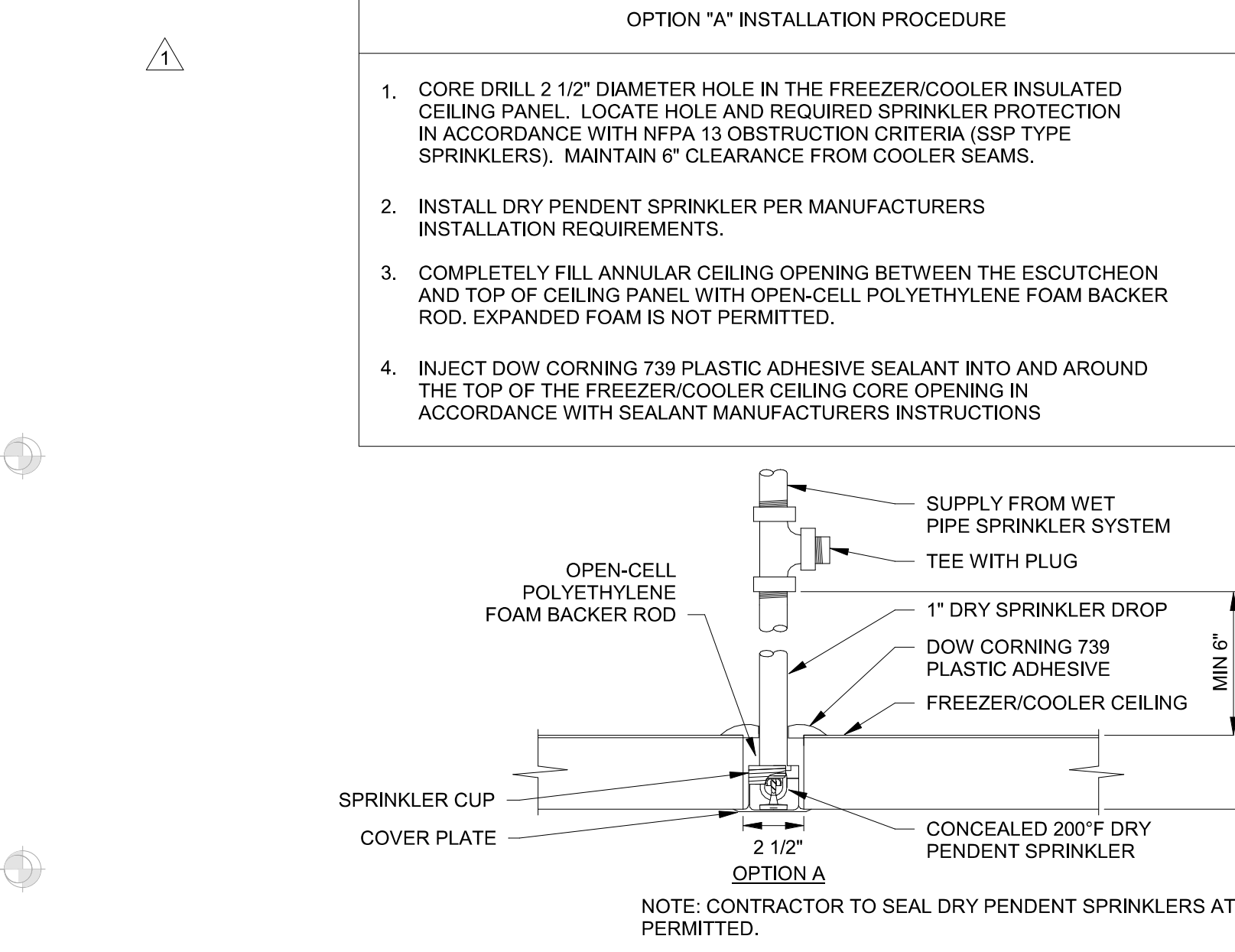
8 STAIRWELL 1 STANDPIPE
3/16" = 1'-0"



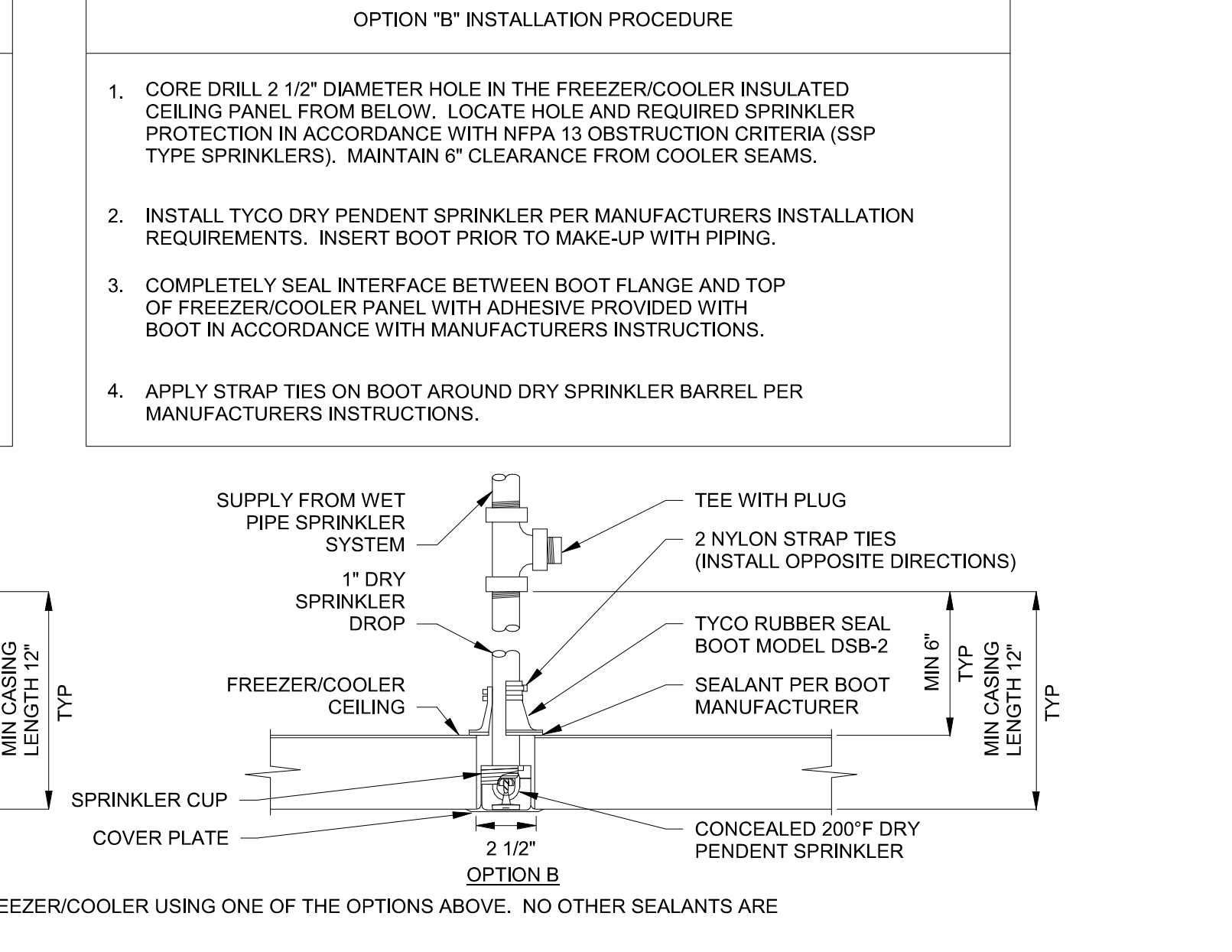
7 STAIRWELL 2 STANDPIPE
3/16" = 1'-0"



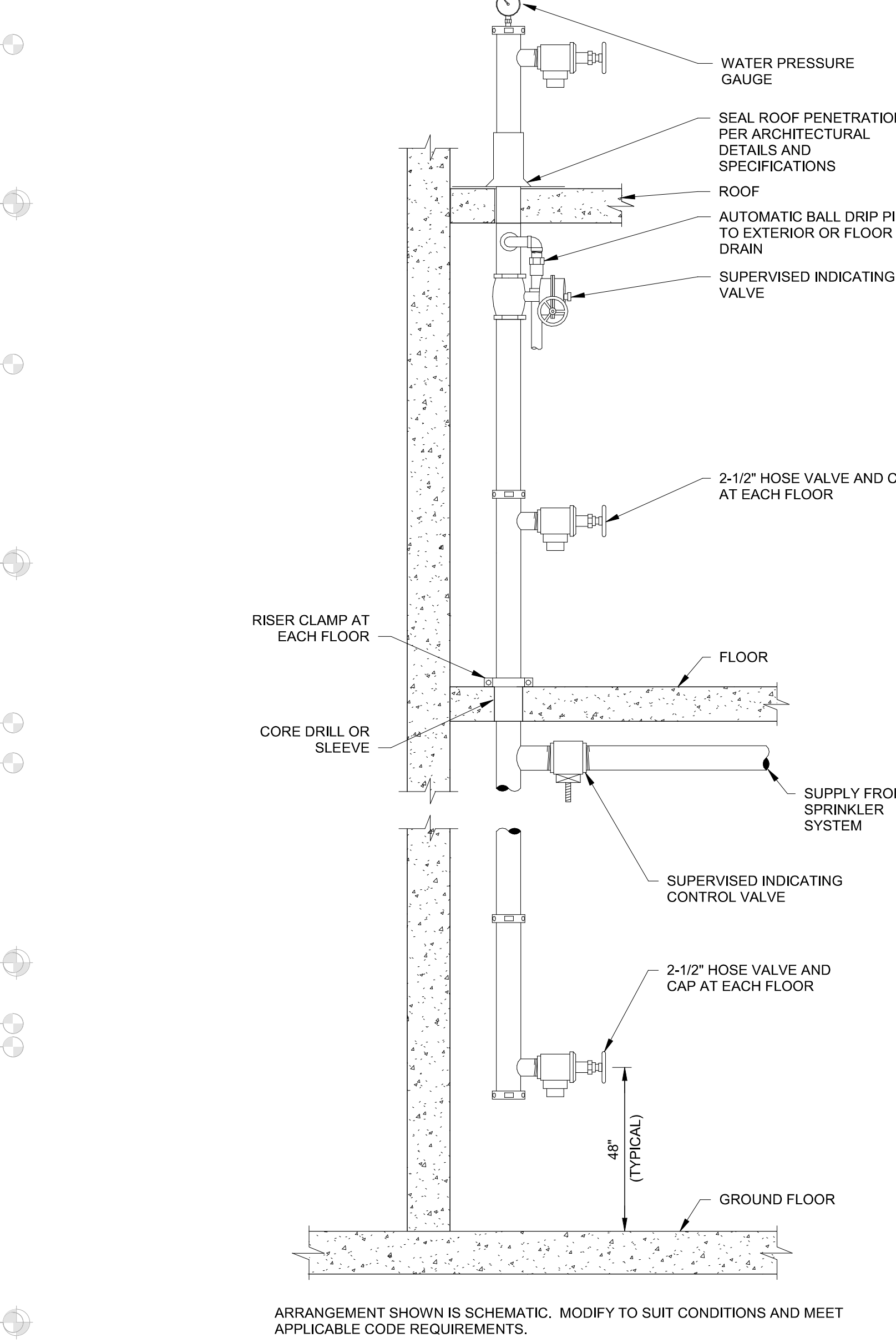
6 STAIRWELL 3 STANDPIPE
3/16" = 1'-0"



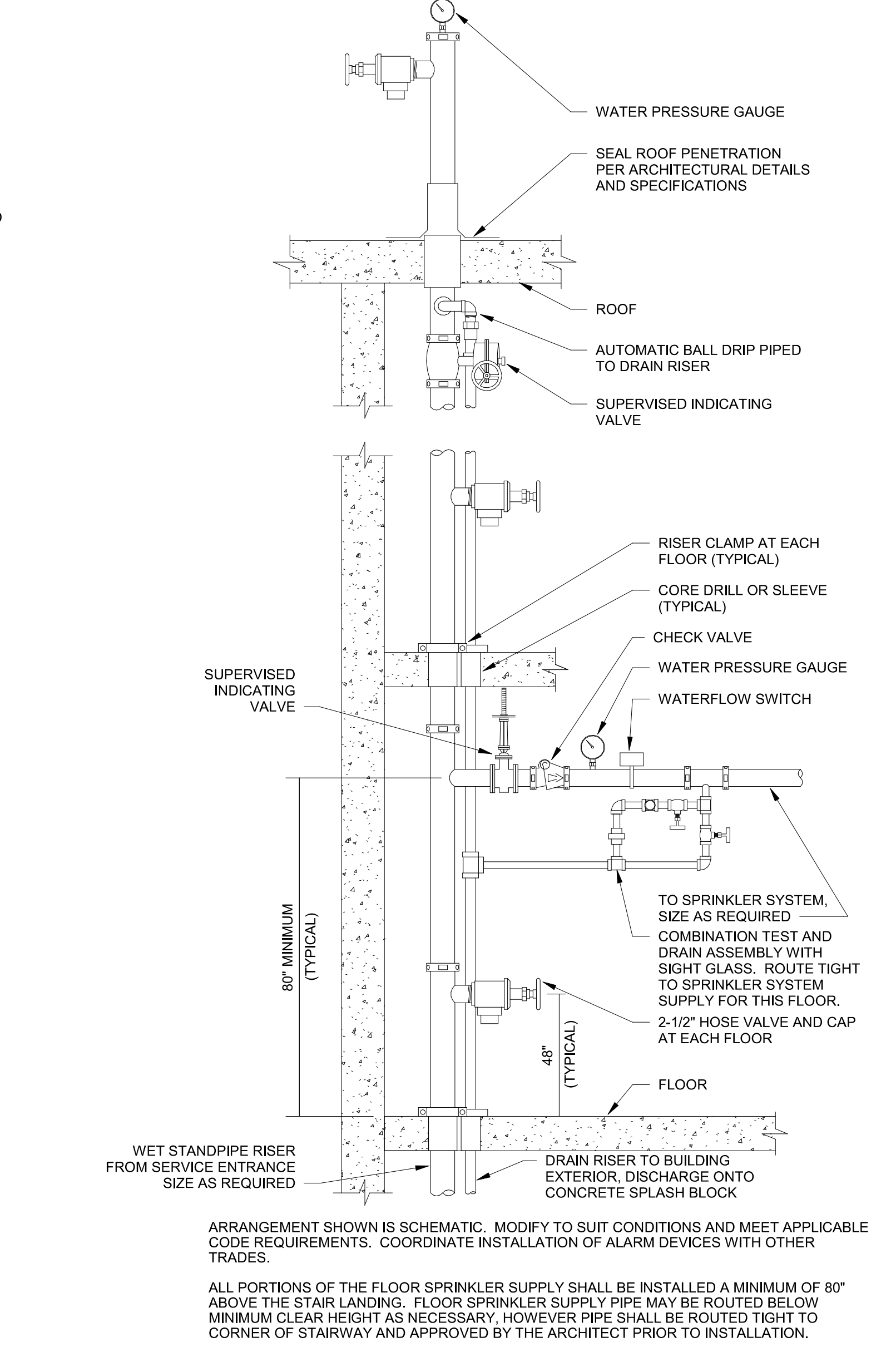
OPTION 'A' INSTALLATION PROCEDURE



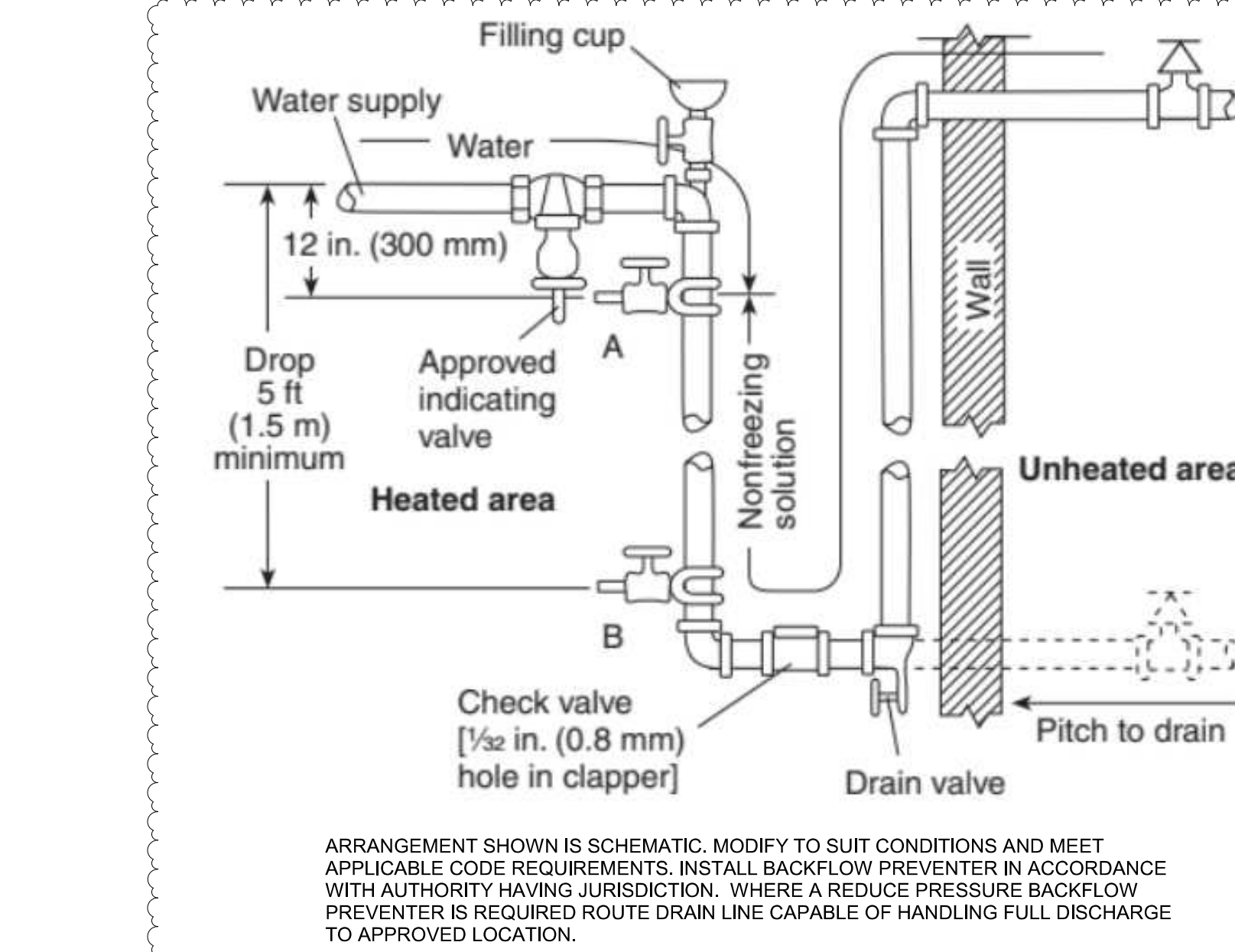
OPTION 'B' INSTALLATION PROCEDURE



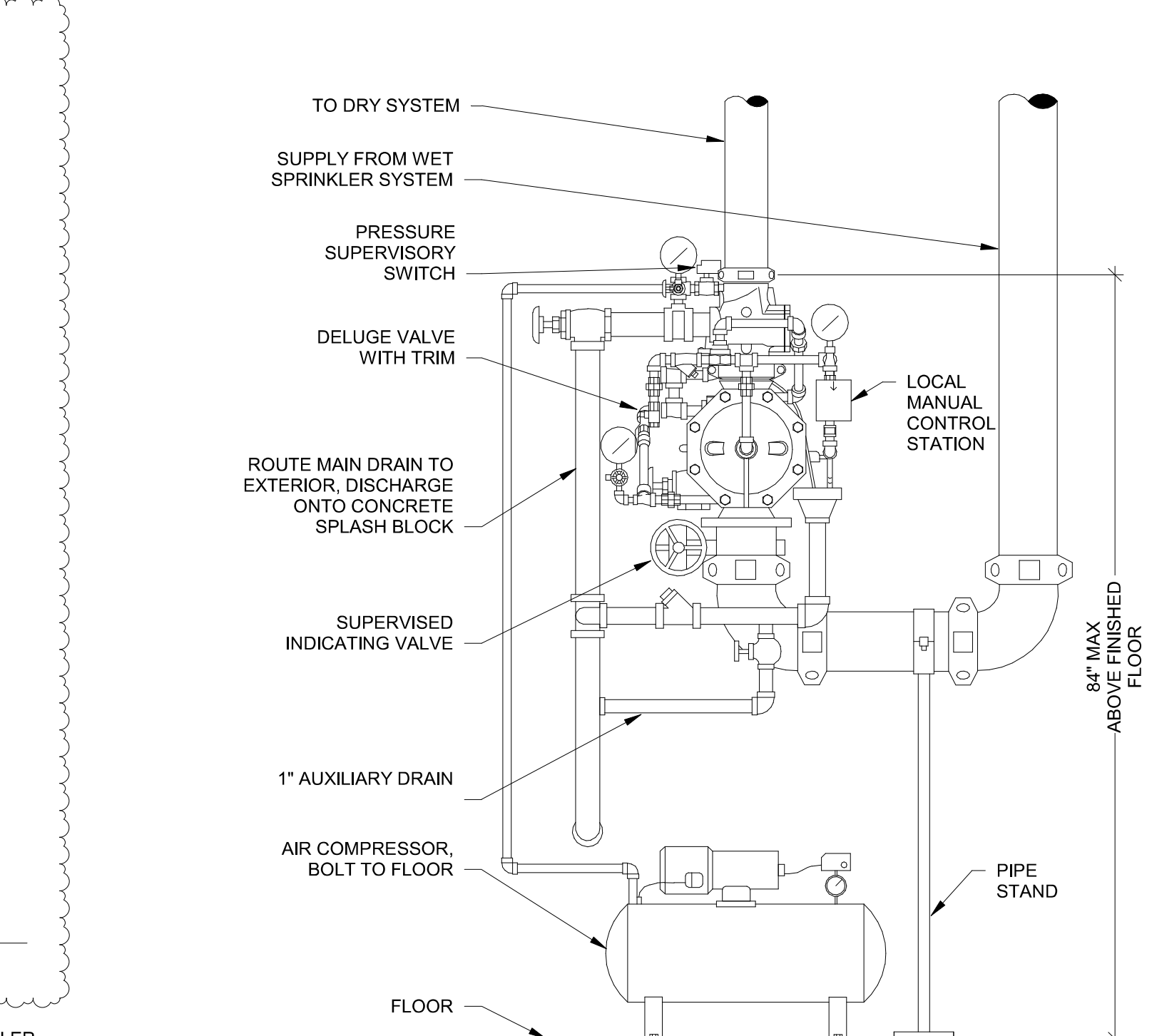
5 WET STANDPIPE RISER NTS



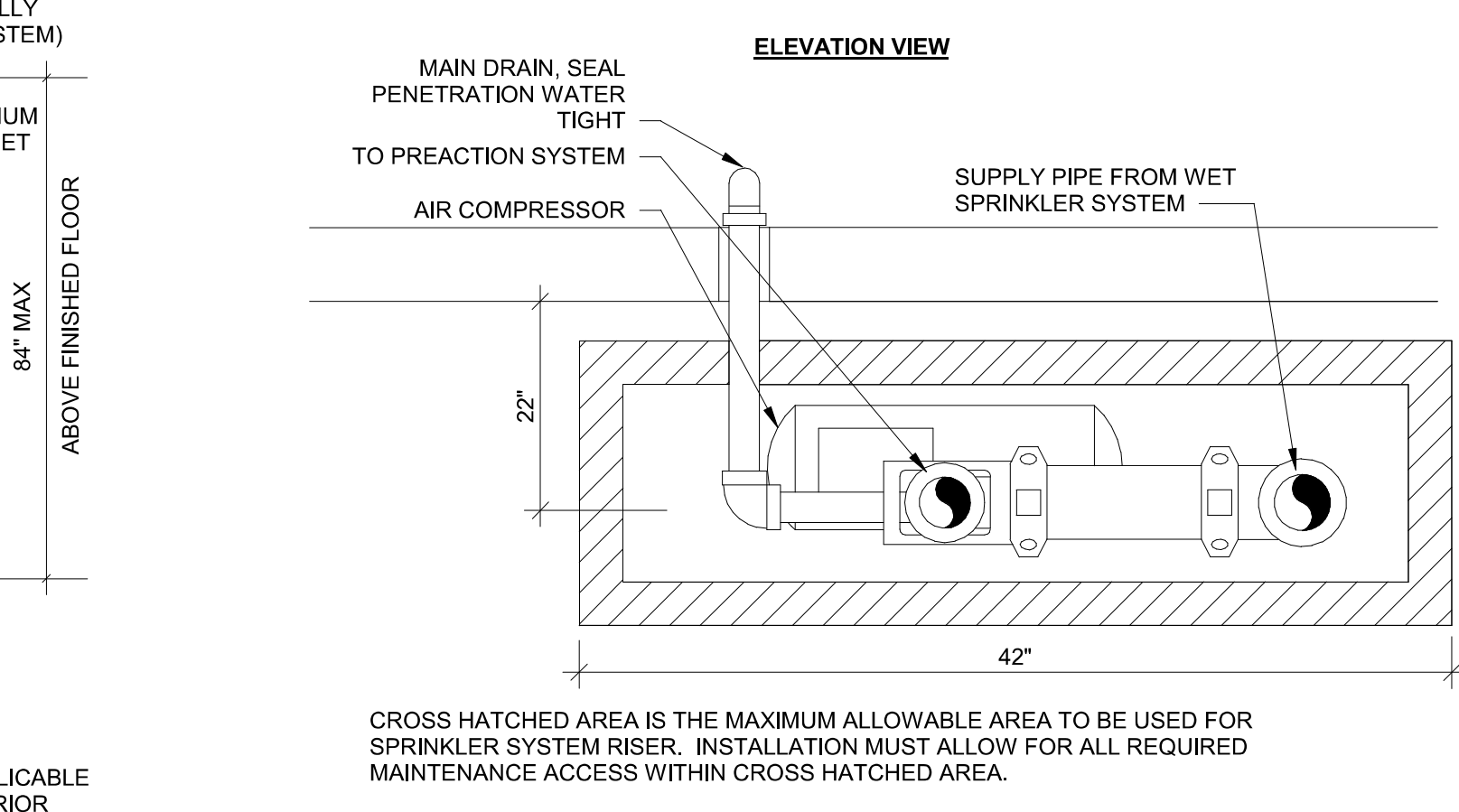
4 COMBINATION STANDPIPE / SPRINKLER RISER NTS



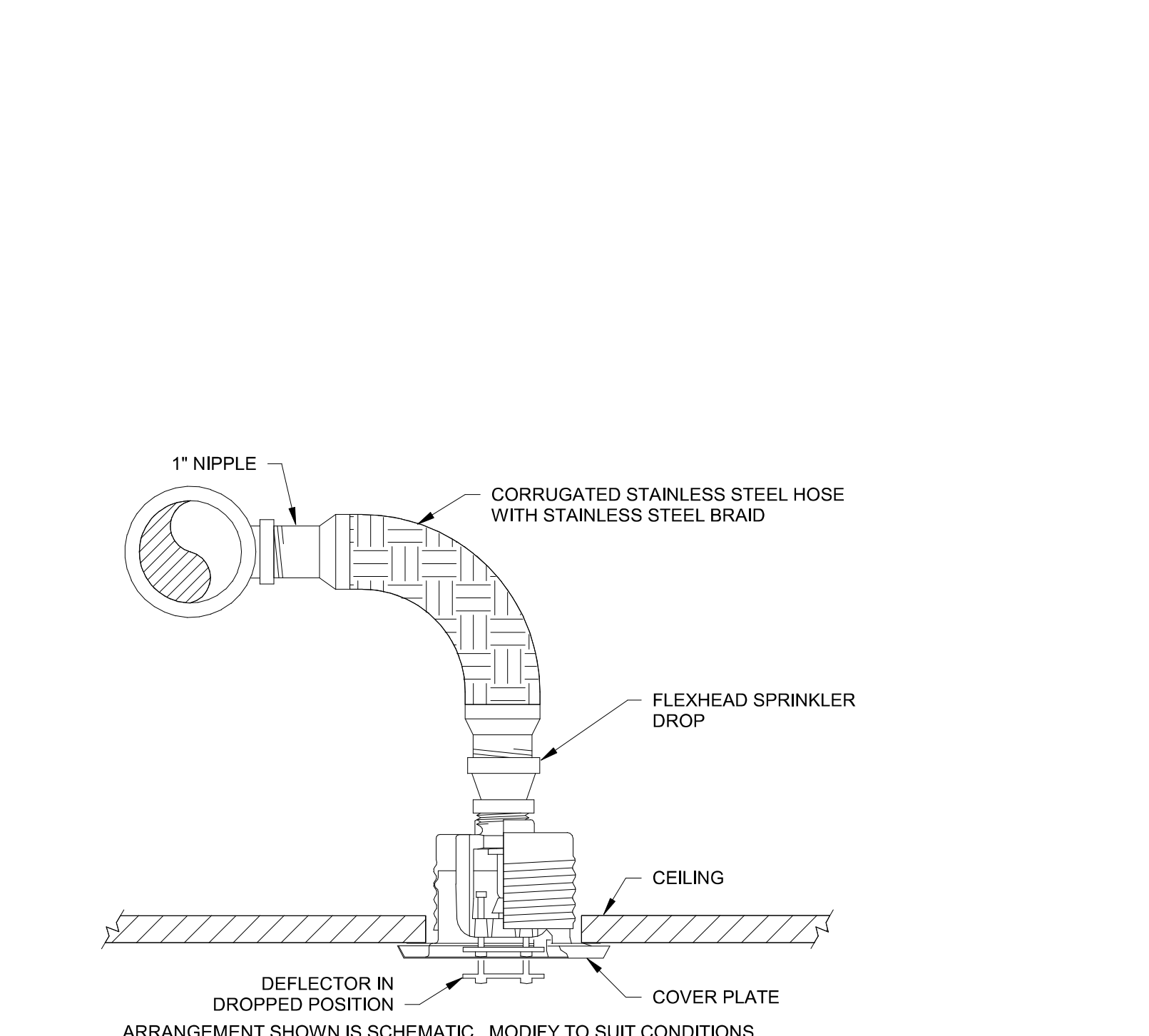
10 FIRE PROTECTION ANTI-FREEZE SYSTEM WITH BACKFLOW PREVENTER NTS



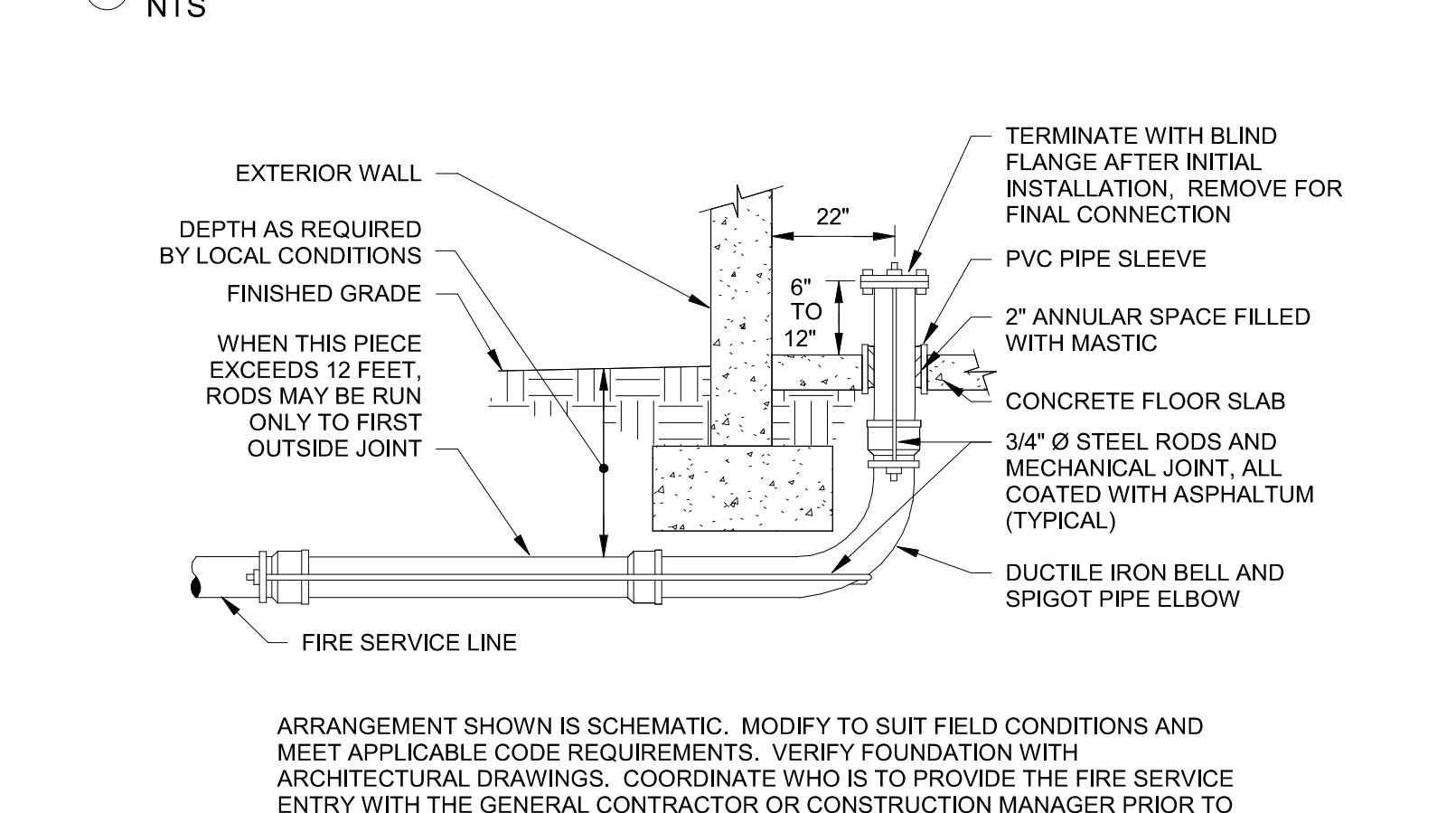
ELEVATION VIEW



PLAN VIEW



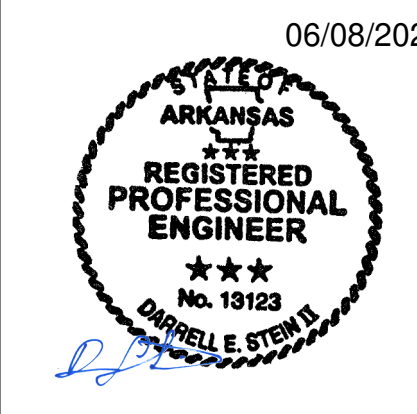
6 CONCEALED SPRINKLER WITH FLEXIBLE PIPING NTS



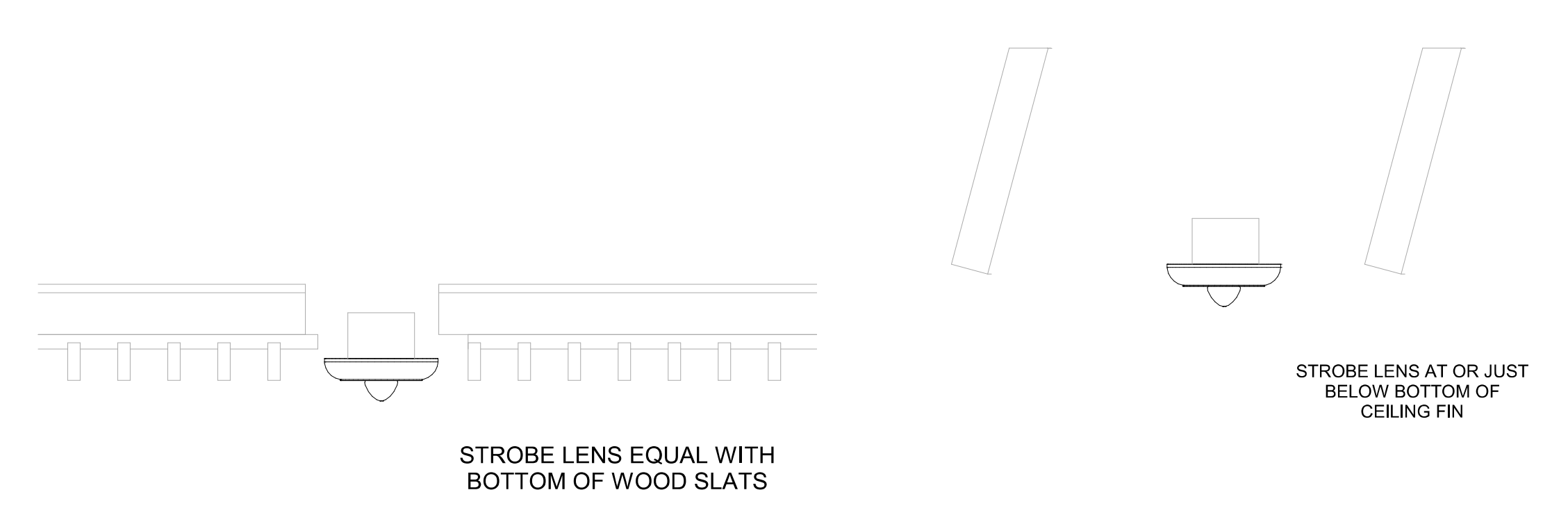
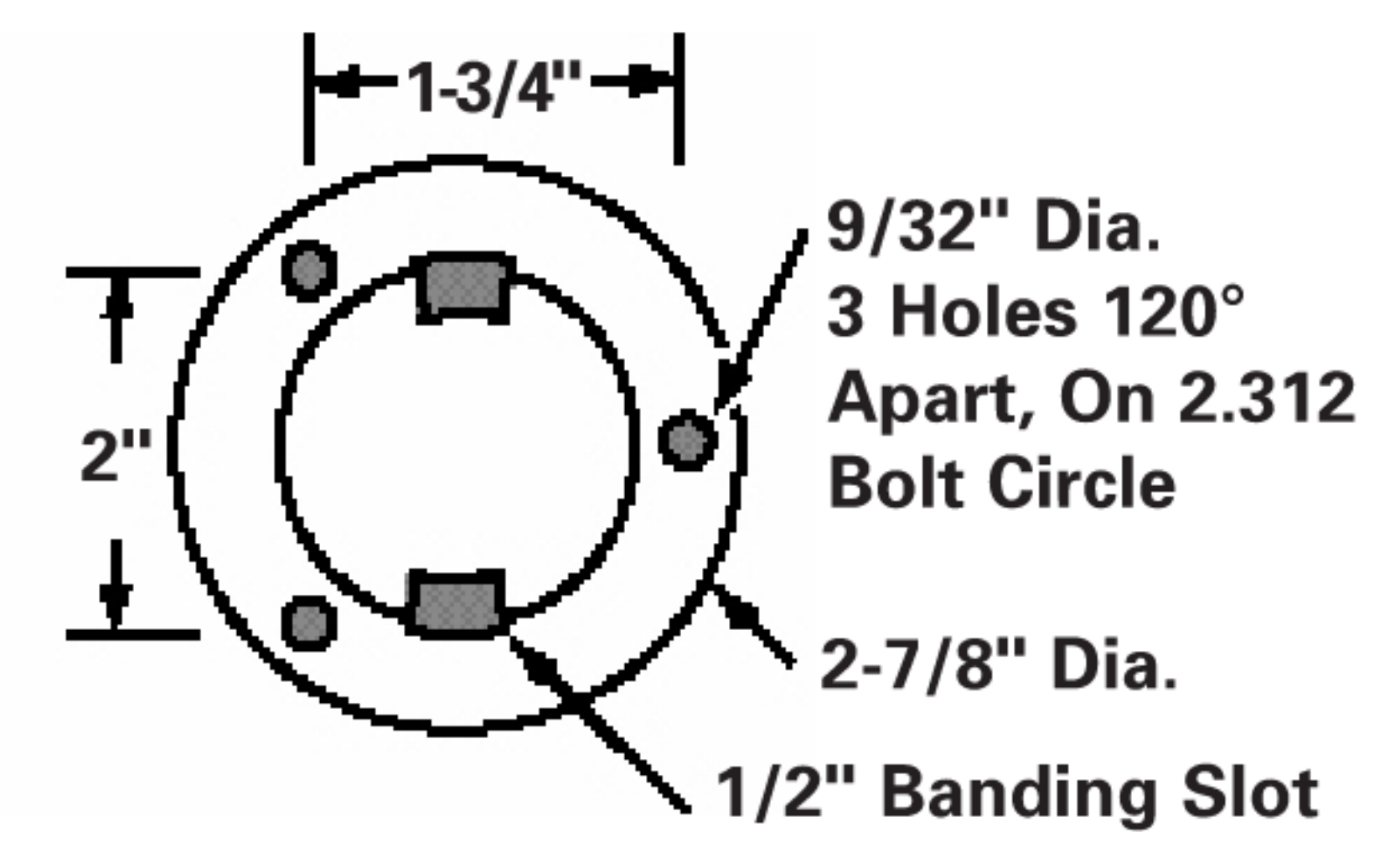
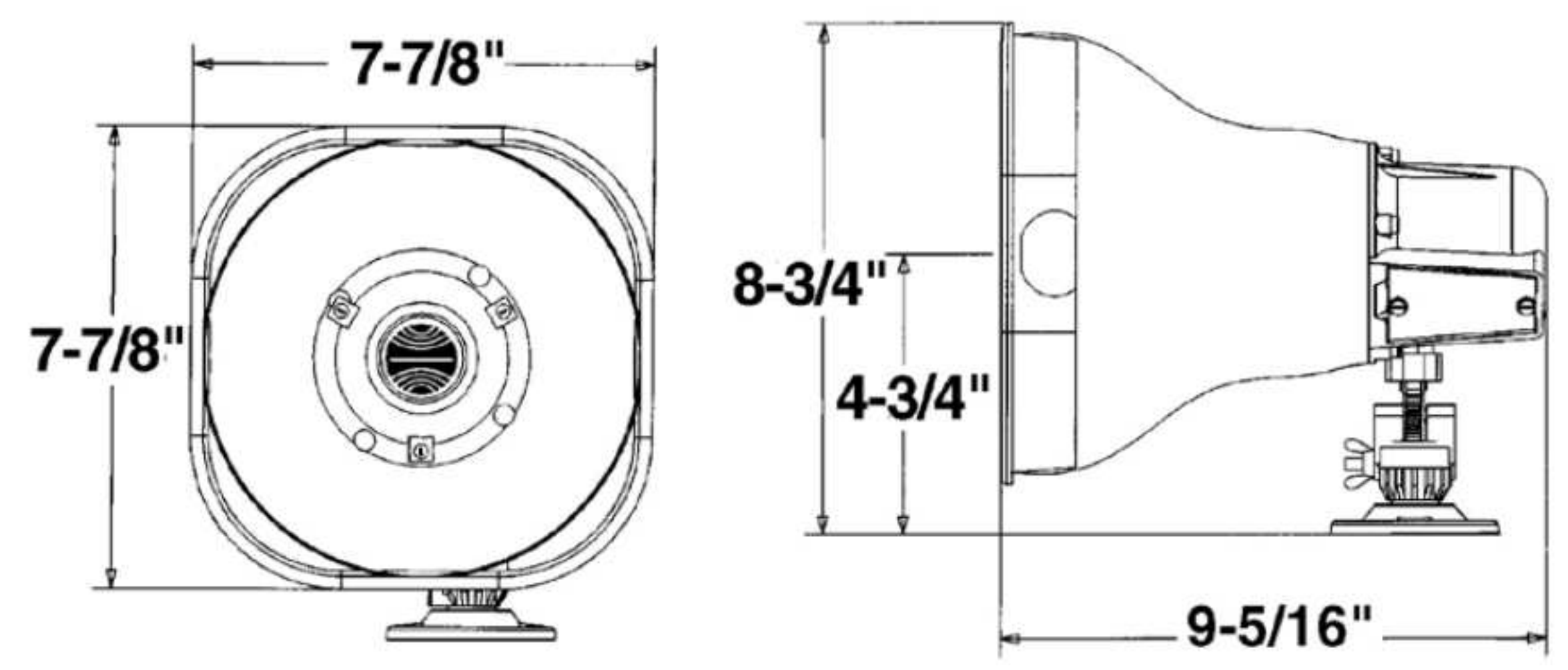
1 FIRE SERVICE ENTRY NTS

12 INSPECTORS TEST / AUXILIARY DRAIN NTS

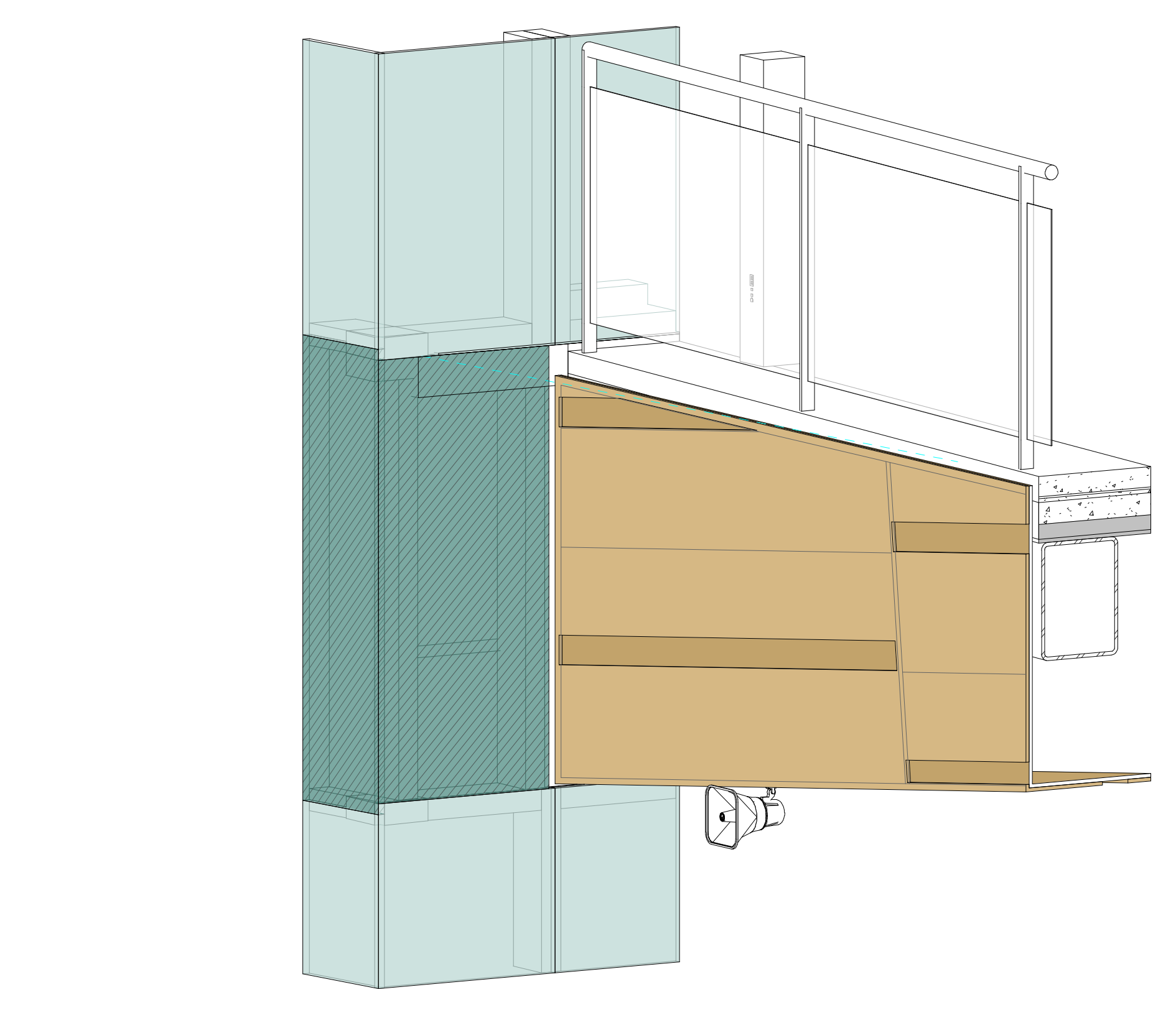
11 FIRE PROTECTION RISER - PREACTION SYSTEM NTS



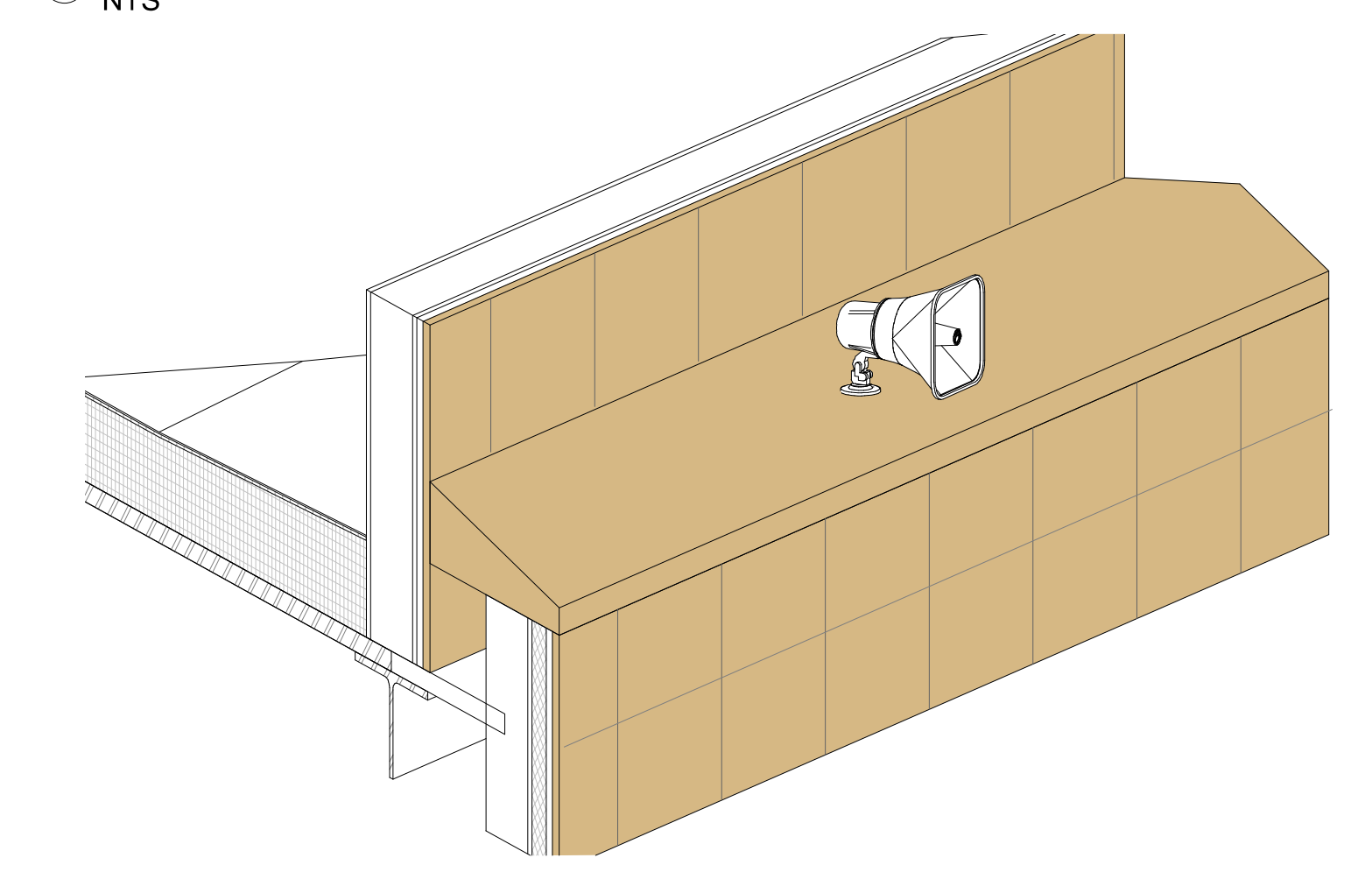
NUMBER	DATE	DESCRIPTION
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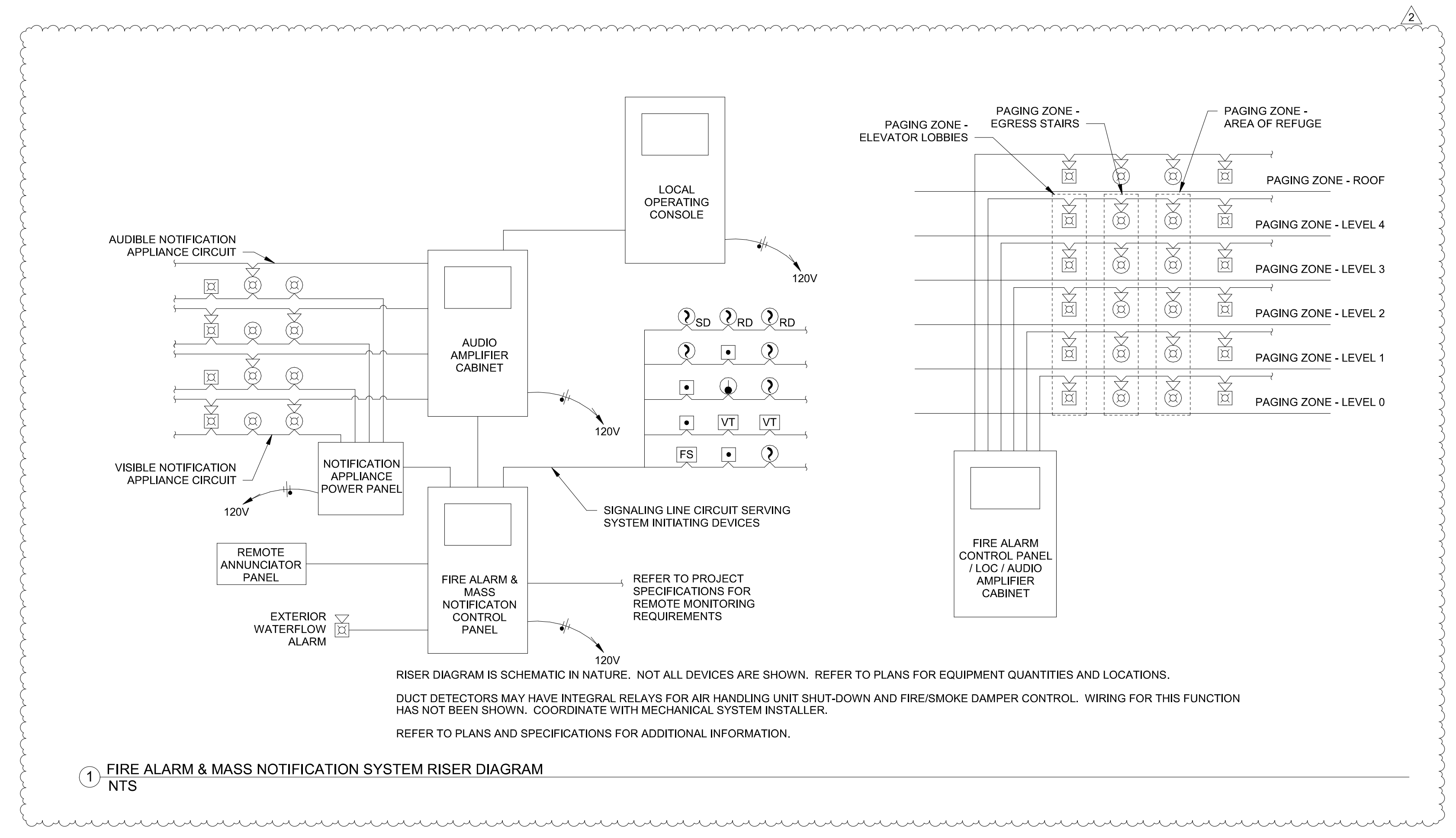
3 FIRE ALARM APPLIANCE AT WOOD SLAT CEILING NTS
 4 FIRE ALARM APPLIANCE AT CEILING FIN NTS
 7 HIGH-POWER FIRE ALARM SPEAKER NTS



6 CAFE BALCONY FIRE ALARM HIGH-POWER SPEAKER NTS



5 ROOF FIRE ALARM HIGH-POWER SPEAKER NTS



SYSTEM INPUTS	ALARM		PRIORITY		SYSTEM OUTPUTS	
	ALARM	PRIORITY	ALARM	PRIORITY	ALARM	PRIORITY
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - OPEN						
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - SHORT						
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - GROUND						
FIRE ALARM / MASS NOTIFICATION CONTROL PANEL LOSS OF POWER						
MANUAL PULL STATION						
SMOKE DETECTOR - SPOT TYPE						
SMOKE DETECTOR - DUCT MOUNTED						
HEAT DETECTOR - SPOT TYPE						
WATERFLOW ALARM SWITCH						
VALVE TAMPER SWITCH						
LOW/HIGH AIR PRESSURE SWITCH						
KITCHEN HOOD SUPPRESSION SYSTEM						
FIRE DEPARTMENT KEY BOX TAMPER SWITCH (KNOX BOX)						
SMOKE DETECTOR - ELEVATOR LOBBY - PRIMARY FLOOR						
SMOKE DETECTOR - ELEVATOR LOBBY - ALTERNATE FLOOR(S)						
SMOKE DETECTOR - ELEVATOR TOP OF HOISTWAY						
HEAT DETECTOR - HIGHEST FLOOR ELEVATOR LOBBY (CONTROLLER LOCATION)						
HEAT DETECTOR - ELEVATOR HOISTWAY PIT						
MASS NOTIFICATION LOCAL OPERATING CONSOLE (LOC) ACTIVATION						
MASS NOTIFICATION REMOTE SIGNAL						
FIRE PROTECTION HEAT TRACE LOSS OF POWER / FAULT						
FIRE PROTECTION HEAT TRACE FAULT (LOW/HIGH TEMP, LOW/HIGH CURRENT, HIGH O/F, SENSOR FAILURE)						
CARBON MONOXIDE (CO) DETECTOR - CO DETECTED						
CARBON MONOXIDE (CO) DETECTOR - TROUBLE/FAULT						
NITROGEN GENERATOR RUNNING						
NITROGEN LEAK DETECTION						
NITROGEN PURITY ALARM						
NITROGEN GENERATOR POWER LOSS						
DOUBLE INTERLOCK PREACTION SPRINKLER - FIRST INTERLOCK						
DOUBLE INTERLOCK PREACTION SPRINKLER - SECOND INTERLOCK						
DOUBLE INTERLOCK PREACTION SPRINKLER - MANUAL EMERGENCY STATION AT VALVE						
DOUBLE INTERLOCK PREACTION SPRINKLER - SUPERVISORY AIR SWITCH						

2 FIRE ALARM SEQUENCE OF OPERATIONS NTS

CONTRACTOR TO PROVIDE ALL NECESSARY EQUIPMENT AND CONNECTIONS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED, AT MINIMUM. SEQUENCE OF OPERATIONS INDICATED IS SCHEMATIC. MODIFY TO SUIT CONDITIONS AND MEET APPLICABLE CODE REQUIREMENTS.