



**MOUNTAIN REGIONAL WATER SPECIAL SERVICE DISTRICT
PARK CITY, UTAH**

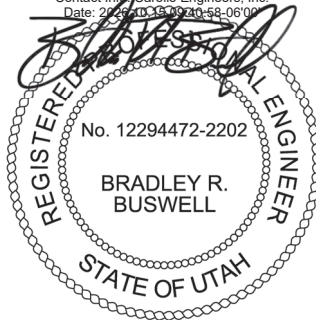
SIGNAL HILL WATER TREATMENT PLANT OPTIMIZATION

ENGINEER PROJECT NO. 203230

**ADDENDUM NO. 3
TO THE
CONTRACT DOCUMENTS**

OCTOBER 15, 2026

Digitally signed by Bradley R. Buswell
Contact Info: Carollo Engineers, Inc.
Date: 2025.10.13 09:20:58 -06'00'



Bidders on the above-named project are hereby notified that the Bidding Documents are modified as indicated below. Bidders are required to acknowledge receipt of this Addendum in the space provided on the Document 00_41_00 - Bid Form.

This Addendum shall become part of the Contract and provisions of the Contract apply.

SPECIFICATIONS

The following sections are modified as indicated below.

1. SECTION 32_31_00 - FENCES AND GATES:
 - a. Paragraph 2.03.A.1.c.1:
 - 1) MODIFY the paragraph to read as follows:
 - a) "Coating: Polyvinyl Chloride (PVC) coating, black in color."
 - b. Paragraph 2.03.A.2.e.1:
 - 1) MODIFY the paragraph to read as follows:
 - a) "Coating: Polyvinyl Chloride (PVC) coating on all framework, black in color."
 - c. Paragraph 2.03.A.2.e.2:
 - 1) DELETE this paragraph in its entirety.
 - d. Paragraph 2.03.A.3.c:
 - 1) ADD paragraph to read as follows:
 - a) "Coating: Polyvinyl Chloride (PVC) coating on all accessories to match fabric and framework, black in color."

DRAWINGS

The following drawings are modified as indicated below.

1. DRAWING 00G03:
 - a. MODIFY drawing index to include new sheets:
 - 1) Drawing 00H01 added in this Addendum No. 3 (see below).
 - 2) Drawing 05E05A added as part of Addendum No. 2.
2. DRAWING 00G12:
 - a. REPLACE the rows under IRR piping in the pipe schedule with the following:

IRR	IRRIGATION										
	EXPOSED	ALL	DIP	AWWA C151; 150 PRESSURE CLASS	FL OR GE	150PSI/HH	CM	EPU	40_05_19.01		
	BURIED	ALL	HDPE	SDR 11	BFW	150PSI/HH	NONE	NONE	40_05_33.03	IRR PIPING DOWNSTREAM OF IRRIGATION VALVE VAULT	
	BURIED	ALL	HDPE	SDR 26	BFW	50PSI/HH	NONE	NONE	40_05_33.03	IRR PIPING BETWEEN BUILDING AND IRRIGATION MANHOLE	
	BURIED	ALL	DIP	AWWA C151; 150 PRESSURE CLASS	RMJ	150PSI/HH	CM	NONE	40_05_19.01	IRR PIPING BETWEEN IRR MANHOLE AND IRR VALVE VAULT	

3. DRAWING 40DS01:
 - a. Typical Detail Callouts:
 - 1) REPLACE the Typical Detail Callouts for "SD350" with "SD850" in all instances it is mentioned on the drawing.

4. DRAWING 00GC03:

a. Keynote 8:

1) Edit Keynote 1 to read as follows:

- a) "Install new fence 2' inside of property. Fence to be PVC coated black chain link with PVC coated framework, top rail, and bottom tension wire. See Specification Section 32_31_00, and CR201/TYP. Note, 3 strand Barb wire shown in Detail not required. Fence to run up to existing or relocated landowner gates on access roads."

5. DRAWING 01C01:

a. Keynote 8:

1) Edit Keynote 8 to read as follows:

- a) "Install new fence 2' inside of property. Fence to be PVC coated black chain link with PVC coated framework, top rail, and bottom tension wire. See Specification Section 32_31_00, and CR201/TYP. Note, 3 strand Barb wire shown in Detail not required. Fence to run up to existing or relocated landowner gates on access roads."

6. DRAWING 04C02:

a. Plan F:

- 1) At the grooved end coupling for the future third irrigation pump piping near the wall, add the following callout:
 - a) "INSTALL GROOVED END CAP TO ACCOMMODATE FUTURE THIRD IRRIGATION PUMP AND APPURTENANCES."
- 2) At the flanged connection for the future 8" FLxFL manual gate valve for the future third pump, add the following callout:
 - a) "INSTALL BLIND FLANGE TO ACCOMMODATE FUTURE THIRD IRRIGATION PUMP AND APPURTENANCES."
- 3) In the section of piping that includes the future appurtenances (e.g., air release valve, check valve, and gate valve) for the future third pump, add the following callout:
 - a) "PIPING AND APPURTENANCES FOR THE FUTURE THIRD IRRIGATION PUMP WILL BE INSTALLED IN THE FUTURE."
- 4) DELETE all instances of "0xDN" on this drawing.
 - a) The magnetic flow meter will not be 0xDN.

7. DRAWING 00H01:

- a. ADD the attached drawing in its entirety.

8. DRAWING 02E01:

- a. DELETE PMP-10-213 and associated breaker and VFD from the bid.
- 1) This item is designated as "FUTURE."

9. DRAWING 02E02:
 - a. DELETE PMP-15-113 and associated breaker and VFD from the bid.
 - 1) This item is designated as "FUTURE."
10. DRAWING 03E01:
 - a. ADD the modifier "FUTURE" next to Recycle Pump 3 PMP-10-213 and next to Irrigation Pump 3 PMP-15-113.
11. DRAWING 05E01:
 - a. MODIFY the Notes for conduit P10213 with the following language: "FUTURE POWER WIRING FOR PMP-10-213 WILL BE RUN THROUGH 480 VAC CABLE TRAY - MAIN TREATMENT BUILDING."
 - b. REPLACE the type of Conductors for the following conduits as "PULL STRING" to accommodate future wiring:
 - 1) P15113.
 - 2) P15113A.
 - 3) P15113B.
12. DRAWING 05E03:
 - a. MODIFY Notes for conduit C10213 with the following language: "FUTURE CONTROL WIRING FOR PMP-10-213 WILL BE RUN THROUGH 120 VAC CABLE TRAY - MAIN TREATMENT BUILDING."
 - b. REPLACE the type of Conductors for the following conduits as "PULL STRING" to accommodate future wiring:
 - 1) C15113.
13. DRAWING 05E05:
 - a. REPLACE the type of Conductors for the following conduits as "PULL STRING" to accommodate future wiring:
 - 1) F15113.
14. DRAWING 05E07:
 - a. ADD the modifier "FUTURE" next to PMP-10-213.
 - b. ADD the following language as General Note 1:
 - 1) "PMP-10-213 is a designated as a future addition. Contractor will run spare conduit from MCC-MAIN to the future location of PMP-10-213 to accommodate its addition in the future."
15. DRAWING 05E08:
 - a. ADD the modifier "FUTURE" next to PMP-15-113 and VFD-15-113.
 - b. ADD the following language as General Note 1:
 - 1) "PMP-10-213 and VFD-15-113 are designated as future additions. Contractor will run spare conduit as shown from DP-MB to the future location of VFD-15-113, from future VFD-15-113 to the Irrigation Pump Station (future location of

PMP-15-113), and future PMP-15-113 to LCP-15-111. The spare conduits will accommodate the future additions of PMP-15-113 and VFD-15-113.”

16. DRAWING 10N02:

- a. DELETE PMP-10-213, CV-10-213, and HV-10-213 from the bid.
 - 1) These items are designated as “FUTURE.”

17. DRAWING 15N01:

- a. DELETE PMP-15-113, CV-15-113, HV-15-113, and the associated air release valve from the bid.
 - 1) These items are designated as “FUTURE.”

18. DRAWING 00TS17:

- a. ADD the attached Typical Detail SR609 to this drawing.

OTHER SUPPORTING DOCUMENTATION

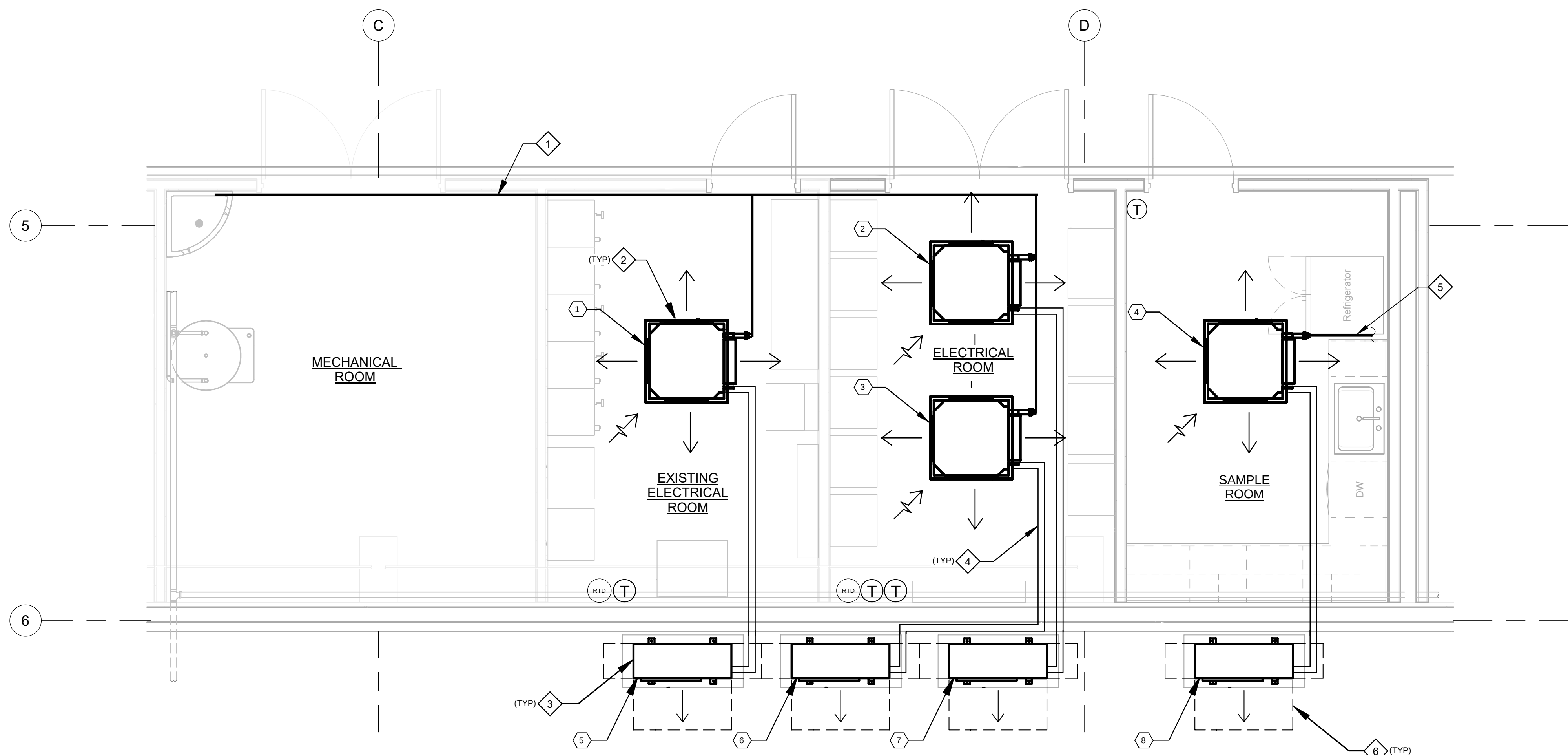
- 1. See attached drawings of the existing fire system.
- 2. See attached “Bidder Question Log” for bidder questions and Engineer responses.

AIR CONDITIONING / HEAT PUMP SCHEDULE																							
EQUIPMENT TAG	AREA SERVED	AIRFLOW (CFM)	WEIGHT (LB)	ESP (IN. W.C.)	COOLING DATA					HEATING DATA				FILTER DATA		ELECTRICAL DATA				BASIS OF DESIGN	NOTES		
					OA DB (°F)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	NET TOTAL CAPACITY (MBH)	NET SENSIBLE CAPACITY (MBH)	OA DB (°F)	EAT DB (°F)	LAT DB (°F)	MECHANICAL HEATING CAPACITY (MBH)	TYPE	THICKNESS (IN.)	VOLTAGE	PHASE			MCA (AMPS)	MOP (AMPS)
AHU-30-981	ELECTRICAL ROOM (E)	PER MFR	46	PER MFR	-	80	67	62	PER MFR	18	13.86	-	70	PER MFR	23	WASHABLE	PER MFR	208	1	1	-	mitsubishi PLA-AK18NL	1,2,3
AHU-30-982	ELECTRICAL ROOM (N)	PER MFR	57	PER MFR	-	80	67	62	PER MFR	48	32	-	70	PER MFR	60	WASHABLE	PER MFR	208	1	1	-	mitsubishi PLA-AE48NL	1,2,3
AHU-30-983	ELECTRICAL ROOM (N)	PER MFR	57	PER MFR	-	80	67	62	PER MFR	48	32	PER MFR	70	PER MFR	60	WASHABLE	PER MFR	208	1	1	-	mitsubishi PLA-AE48NL	1,2,3
AHU-30-984	SAMPLE ROOM	PER MFR	46	PER MFR	-	80	67	62	PER MFR	12	10.8	-	70	PER MFR	23	WASHABLE	PER MFR	208	1	1	-	mitsubishi PLA-AE12NL	1,2,3
HP-30-981	ELECTRICAL ROOM (E)	-	99	-	95	-	-	-	-	18	13.86	47	-	-	20	-	-	208	1	16	27	mitsubishi PUZ-AK18NL	4,5,6
HP-30-982	ELECTRICAL ROOM (N)	-	265	-	95	-	-	-	-	48	32	47	-	-	60	-	-	208	1	38	67	mitsubishi PUZ-AK48NL	4,5,6
HP-30-983	ELECTRICAL ROOM (N)	-	265	-	95	-	-	-	-	48	32	47	-	-	60	-	-	208	1	38	67	mitsubishi PUZ-AK48NL	4,5,6
HP-30-984	SAMPLE ROOM	-	99	-	95	-	-	-	-	12	10.8	47	-	-	20	-	-	208	1	16	27	mitsubishi PUZ-AK12NL	4,5,6

NOTES:

- 3 PROVIDE CONDENSATE OVERFLOW SWITCH. UNIT SHALL SHUT DOWN UPON DETECTION OF CONDENSATE OVERFLOW.

- 4 MINI SPLIT SYSTEM HEAT PUMP.
5 MINI SPLIT HEAT PUMP UNIT TO POWER ASSOCIATED AIR HANDLER.
6 ELECTRICAL CONTRACTOR WILL PROVIDE A NEMA 4X DISCONNECT.



A PLAN
SCALE: 3/8" =

SCALE: 3/8" = 1'-0"

GENERAL NOTES:

1. EXISTING CONDITIONS:
 - a. FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO DEMOLITION, SHOP DRAWINGS PREPARATION, AND FABRICATION.
 - b. NOTIFY ENGINEER IMMEDIATELY IF CONDITIONS NOT COVERED BY THESE DRAWINGS ARE EXPOSED DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO:
 - i. ELEVATIONS, SIZES, OR DIMENSIONS DIFFERING FROM THE CONTRACT DOCUMENTS.
 - ii. DAMAGE OR DETERIORATION TO MATERIALS AND COMPONENTS.
 - iii. CONDITIONS OR DETAILS DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS.

2. PIPING SHALL BE FIELD ROUTED TO AVOID HVAC EQUIPMENT, ELECTRICAL EQUIPMENT AND OTHER TRADES AS NECESSARY.

3. PIPE SUPPORTS SHALL BE INSTALLED PER DETAIL MP132/TYP, MP218/TYP, AND MP215/TYP. INSTALL WALL PENETRATIONS PER DETAIL MP544/TYP.
4. ALL THERMOSTATS SHALL BE LOCATED AT 5'-0" AFF AND LABELED WITH IT'S CONTROLLING DEVICE

KEY NOTES:

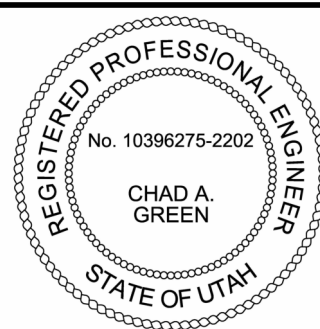
- 1 3/4" PVC CONDENSATE DRAIN. SLOPE DRAIN AT 1/4" PER FOOT IN THE DIRECTION OF FLOW AND INSULATE PER CONTRACT DOCUMENT REQUIREMENTS. DO NOT ROUTE ABOVE ELECTRICAL EQUIPMENT. TERMINATE AT MOF SINK.
- 2 CEILING-SUSPENDED 4-WAY AIR HANDLING UNIT. LOCATE BOTTOM OF UNIT AT 8'-0" AFF. CONFIRM UNIT DOES NOT CONFLICT WITH ELECTRICAL GRATE DOORS.
- 3 OUTDOOR MINI-SPLIT HEAT PUMP. PROVIDE WITH EQUIPMENT PAD ON GRADE.
- 4 REFRIGERANT LINES. ROUTE PER MANUFACTURER REQUIREMENTS AND INSULATE PER CONTRACT DOCUMENT REQUIREMENTS. DO NOT ROUTE ABOVE ELECTRICAL EQUIPMENT. LINES ARE TO BE ROUTED DOWN INTERIOR OF WALL BEFORE PENETRATING TO THE EXTERIOR WHERE APPLICABLE.
- 5 3/4" PVC CONDENSATE DRAIN. SLOPE DRAIN AT 1/4" PER FOOT IN THE DIRECTION OF FLOW AND INSULATE PER CONTRACT DOCUMENT REQUIREMENTS. TERMINATE AT SINK.
- 6 MANUFACTURER CLEARANCE. DO NOT BLOCK.

 KEY TAGS:

1	AHU-30-981	AIR HANDLING UNIT
2	AHU-30-982	AIR HANDLING UNIT
3	AHU-30-983	AIR HANDLING UNIT
4	AHU-30-984	AIR HANDLING UNIT
5	HP-30-981	HEAT PUMP
6	HP-30-982	HEAT PUMP
7	HP-30-983	HEAT PUMP
8	HP-30-984	HEAT PUMP

[illegible]

DESIGNED
KJC
DRAWN
CY
CHECKED
CAG
DATE
AUGUST 2026



MOUNTAIN REGIONAL WATER SSD

SIGNAL HILL WTP OPTIMIZATION

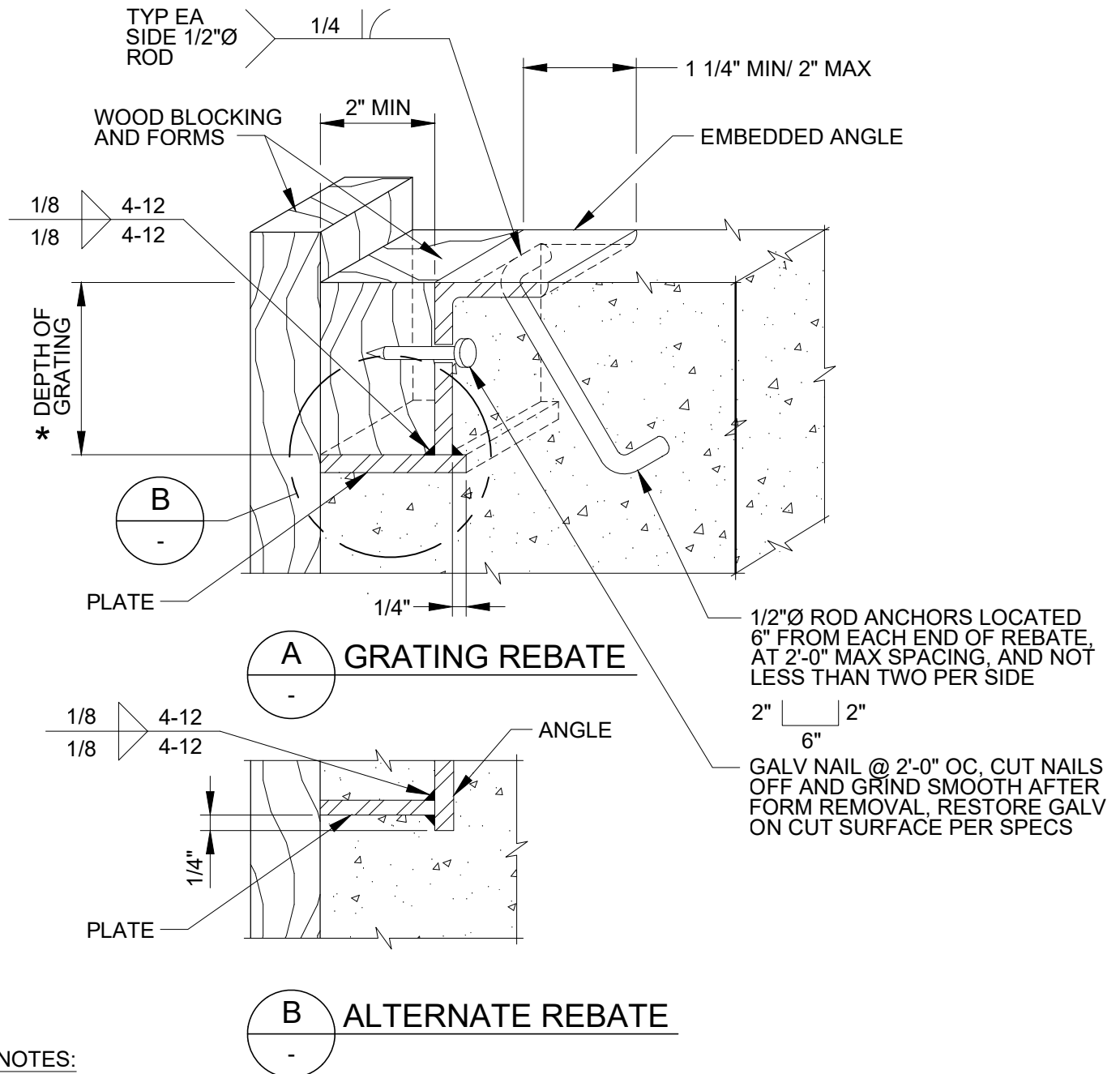
HVAC MAIN TREATMENT BUILDING FLOOR PLAN

VERIFY SCALES

BAR IS ONE INCH ON
ORIGINAL DRAWING

0  1"

IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY	SHEET NO. 157 OF 296
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NOTES:

1. SEE SPECIFICATIONS FOR H-20 HEAVY DUTY HOT-DIP GALVANIZED STEEL GRATING.
2. MAKE REBATE AND/OR SEAT CONTINUOUS AROUND OPENING.
3. EMBEDDED REBATE ANGLE AND PLATE SHALL BE 1/4" MINIMUM THICKNESS.
4. HOT-DIP GALVANIZED AFTER FABRICATION.
5. * = DIMENSION AS REQUIRED BY GRATING MANUFACTURER. SEE SPECIFICATIONS.

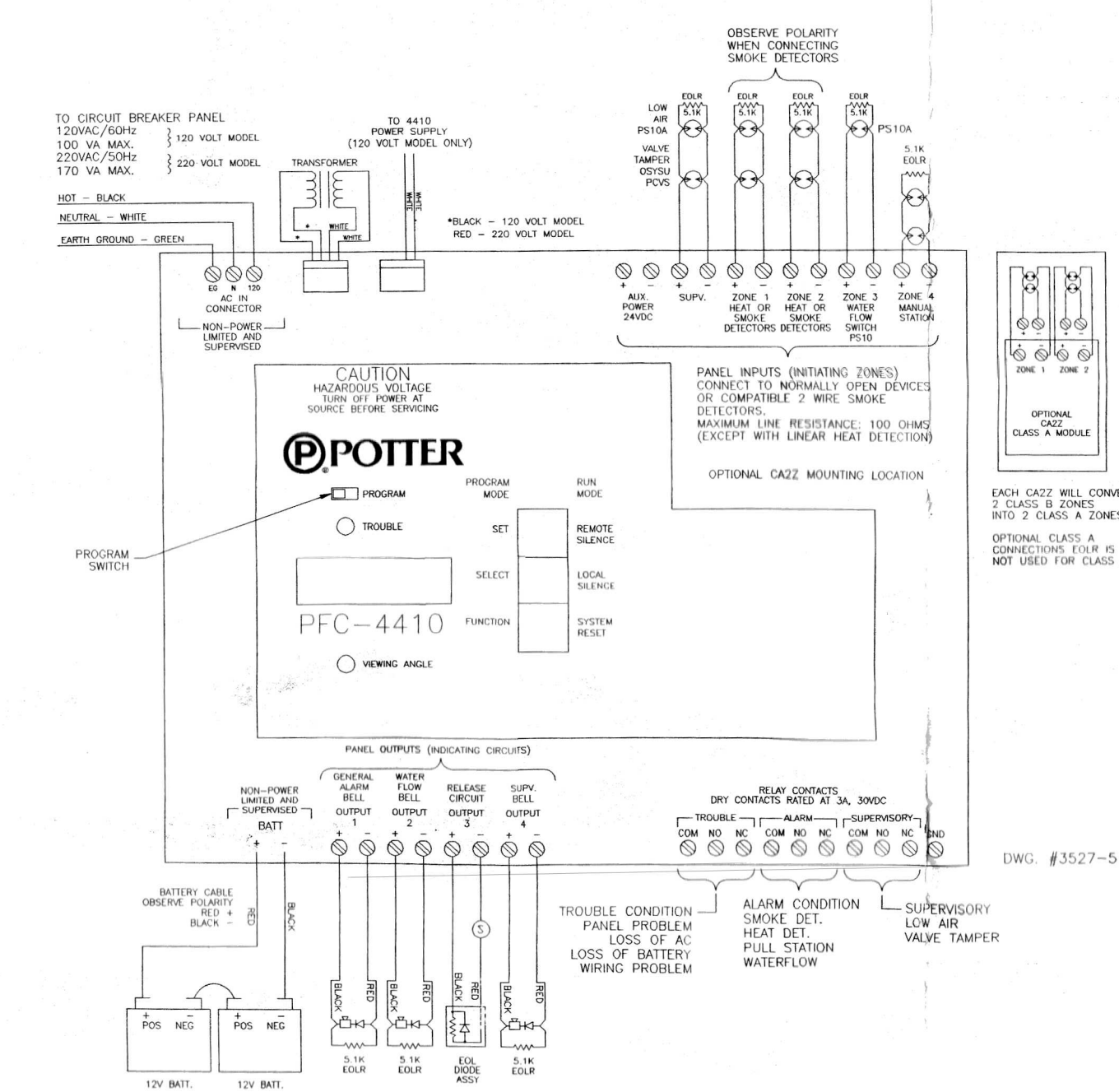
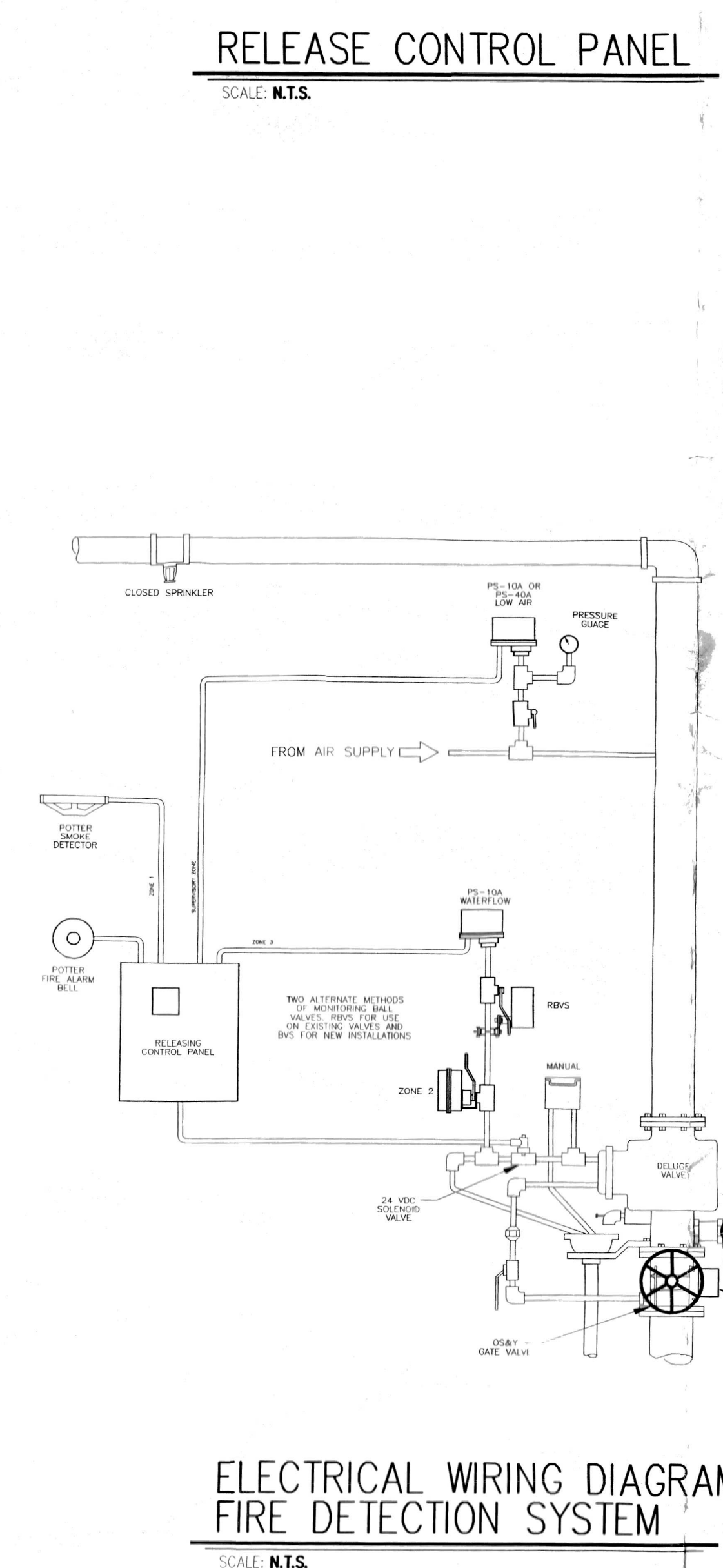
SR609

TYP

GRATING - GALVANIZED FOR H20 LOADS -
REBATE

12/18/2023

carollo



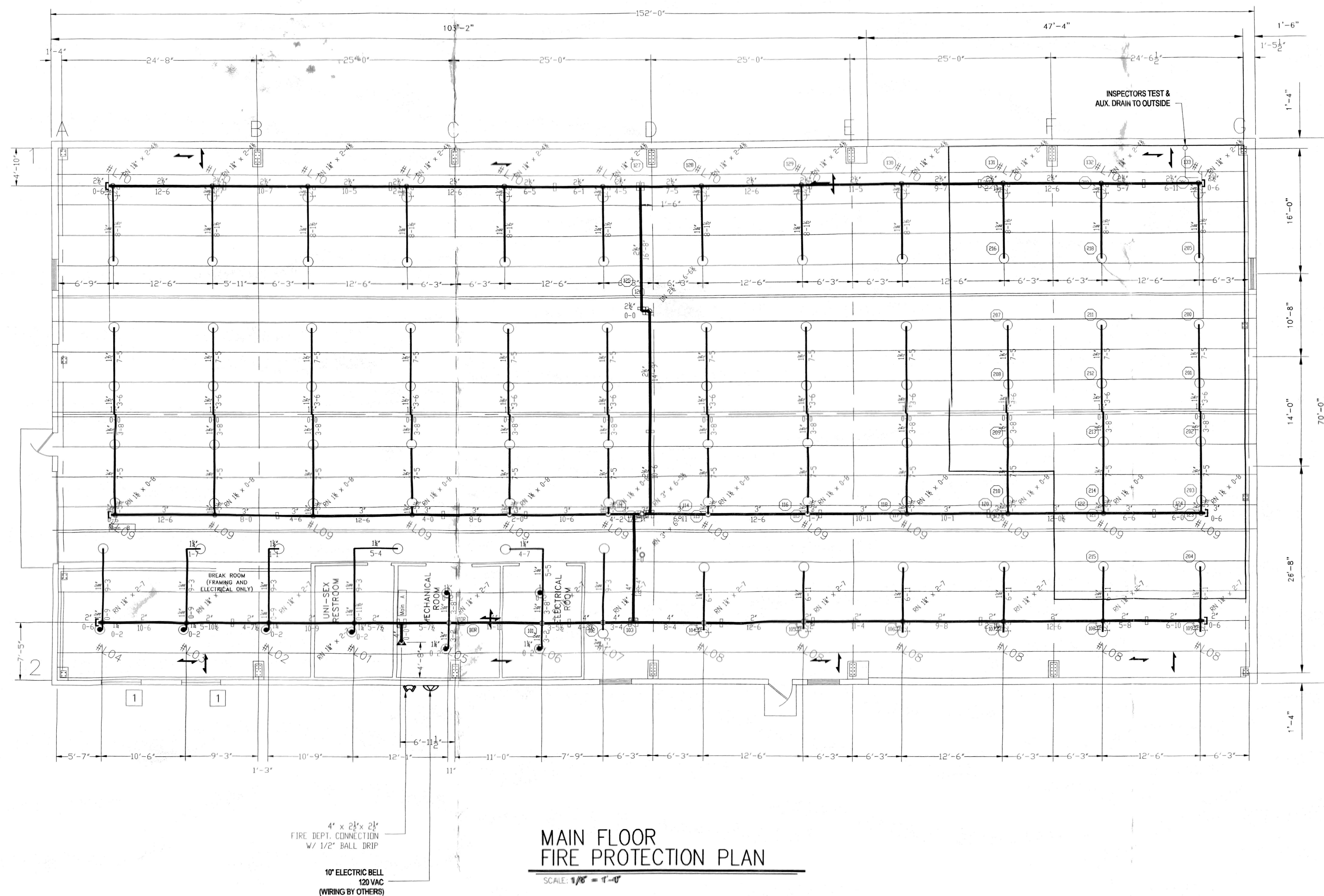
- # FIRE ALARM SYMBOLS LEGEND
- | | |
|---|-------------------------|
|  | TAMPER SWITCH |
|  | LOW-AIR PRESSURE SWITCH |
|  | PRESSURE SWITCH |
|  | SOLENOID |
|  | MAIN CONTROL PANEL |
|  | SMOKE DETECTOR |
|  | HORN STROBE |
|  | PRE-ACTION RISER |
|  | JUNCTION BOX |
|  | END OF LINE RESISTOR |

- ## GENERAL NOTES:
1. REFER TO SITE AND/OR UTILITY PLAN FOR INFORMATION ON UNDERGROUND PIPING AND UTILITY LAYOUT.
 2. UNDERGROUND FIRE SUPPLY LINE SHALL BE INSTALLED, ANCHORED, THIRST-BLOCKED, FLUSHED, AND TESTED IN ACCORDANCE WITH NFA NOS. 13 AND NFA NOS. 24 BY OTHERS.
 3. AUTOMATIC FIRE SPRINKLER SYSTEM DESIGN, FABRICATION, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH NFA NOS. 13 AND SHALL BE SUBJECT TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.
 4. ALL MATERIALS SHALL BE UL LISTED AND/or F.M. APPROVED FOR USE IN AUTOMATIC FIRE SPRINKLER SYSTEM.
 5. ALL HANGERS SHALL COMPLY WITH NFA NO. 13.
 6. PIPE SHALL BE JOINED BY USING GROOVED TYPE MECHANICAL FITTINGS, SHOP WELDED BRANCH OUTLETS, OR FLANGED FITTINGS.
 7. PIPE USED ON THIS PROJECT SHALL BE BLACK STEEL PIPE AS ALLOWED BY NFA NOS. 13, EITHER BUT NOT LIMITED TO ASTM A 53, A 795, OR A 135, INCLUDING SCHED 40, SCHEDULE 10, DPM+THREAD 40, DPM+FLOW, AND E-Z FLOW, AT THE SUPPLIER'S DISCRETION.

FIRE ENGINEERING HAS NOT
BEEN CONTRACTED TO PROVIDE
THE FOLLOWING:

1. UNDERGROUND SUPPLY LINE FROM SUPPLY SOURCE TO 1'-0" INSIDE THE BUILDING.
2. FLUSHING AND TESTING OF WORK INSTALLED BY OTHERS.
3. UNDERGROUND CITY CONNECTIONS, FEES, OR PERMITS.
4. KNOX LOCKING TYPE FDE CAPS.
5. HIGH VOLUME ELECTRICAL WIRING OF ANY TYPE.
6. PAINTING AND/OR LABELING OF SPRINKLER PIPING.
7. CENTERING OF SPRINKLER HEADS IN CEILING TILE.
8. SPRINKLER PROTECTION IN OR UNDER ANY EQUIPMENT.
9. HOSE RACKS AND CABINETS.
10. FIRE EXTINGUISHERS OR CABINETS.

No.		DATE	REVISION	NOTICE:	LICENSED CONTRACTOR IN THE FOLLOWING STATES:	 Fire Engineering Company Inc. www.fireengineeringco.com (801)262-3329 1-800-453-6222 Fax (801) 262-0801	DRAWING TITLE / SYSTEM LOCATION FLOOR PLAN
1.				OUR WARRANTY IS SUBJECT TO THE OWNER'S ADHERENCE TO NFPA 72. NFPA 72 IS THE APPLICABLE STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF A ELECTRIC BASIS FIRE DETECTION SYSTEM UNDER NFPA 72. THE OWNER IS RESPONSIBLE FOR MAINTENANCE AND KEEPING THE SYSTEM IN GOOD OPERATING CONDITION.	ARIZONA 070937-009	 Fire Engineering Company Inc. www.fireengineeringco.com (801)262-3329 1-800-453-6222 Fax (801) 262-0801	DRAWN BY: MW
2.			CALIFORNIA 446397		COLORADO 94-335		SCALE: AS INDICATED
3.			IDAHO 5739-AA-4C18)		MONTANA 39225		DATE: 08/24/04
4.			NEVADA 6276A		NEW MEXICO 18634		DRAWING FILE: LDSTCKEERING
5.			OREGON 148454		TEXAS SCR-0584		PROJECT NUMBER: 77-106
6.			UTAH 22-238747-5501		WASHINGTON FIREEC1988KL		REFERENCE NUMBER: 04-89
PHONE NUMBER		TEST SHOULD BE WITNESSED BY		THIS DRAWING IS THE PROPERTY OF FIRE ENGINEERING CO., INC. IT SHALL NOT BE USED OR COPIED WITHOUT WRITTEN PERMISSION.	*CONTRACTOR'S LICENSE NOT REQUIRED	PROJECT NAME / ADDRESS LOST CREEK WATER TREATMENT FACILITY 7563 PROMONTORY RANCH ROAD SUMMIT COUNTY, UTAH	SHEET NUMBER: FP03 OF FP03
435-649-6706		SCOTT ADAMS					



Design Area No. 1 - OH II
Density 0.2 Area 1950
Flow = 503.78 gpm @ 44.712 psi
Includes 250 gpm Hose allowance

SWING DETAIL
MAIN FEED

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

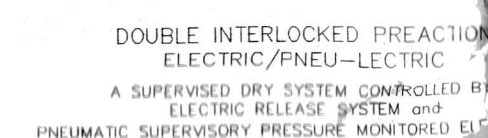
- REFER TO SITE AND/OR UTILITY PLAN FOR INFORMATION ON UNDERGROUND PIPING AND UTILITY LAYOUT.
- UNDERGROUND FIRE SUPPLY LINE SHALL BE INSTALLED, ANCHORED, THRUST-BLOCKED, FLUSHED, AND TESTED IN ACCORDANCE WITH NFPA No. 13 AND NFPA No. 24 BY OTHERS.
- AUTOMATIC FIRE SPRINKLER SYSTEM DESIGN, FABRICATION, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH NFPA No. 13 AND SHALL BE SUBJECT TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.
- ALL MATERIALS SHALL BE U.L. LISTED AND/OR F.M. APPROVED FOR USE IN AUTOMATIC FIRE SPRINKLER SYSTEM.
- ALL HANGERS SHALL COMPLY WITH NFPA No. 13.
- PIPE SHALL BE JOINED BY USING GROOVED TYPE MECHANICAL FITTINGS, SHOP WELDED BRANCH OUTLETS, OR THREADED FITTINGS.
- PIPE USED ON THIS PROJECT SHALL BE BLACK STEEL PIPE AS ALLOWED BY NFPA No. 13, EITHER BUT NOT LIMITED TO ASTM A 33, A 795, OR A 135, INCLUDING SCHEDULE 40, SCHEDULE 10, DYNA-THREAD 40, DYNA-FLOW, AND E-2 FLOW AT THE SUPPLIER'S DISCRETION.

FIRE ENGINEERING HAS NOT BEEN CONTRACTED TO PROVIDE THE FOLLOWING:

- UNDERGROUND SUPPLY FROM SUPPLY SOURCE TO 1'-0" INSIDE THE BUILDING.
- FLUSHING AND TESTING OF WORK INSTALLED BY OTHERS.
- UNDERGROUND CITY CONNECTION, FEES, OR PERMITS.
- KNOX LOCKING TYPE FDC CAPS.
- HIGH VOLUME ELECTRICAL WIRING OF ANY TYPE.
- PAINTING AND/OR LABELING OF SPRINKLER PIPING.
- CENTERING OF SPRINKLER HEADS IN CEILING TILE.
- SPRINKLER PROTECTION IN OR UNDER ANY EQUIPMENT.
- HOSE RACKS OR CABINETS.
- FIRE EXTINGUISHERS OR CABINETS.

NORTH

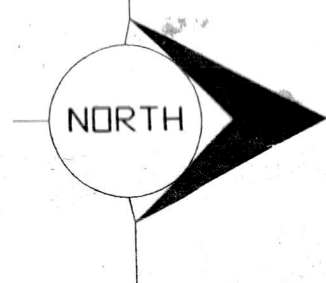
SEISMIC AREA CLEARANCE REQUIREMENT								No. DATE REVISION		NOTICE:		SPRINKLER HEAD COUNT										LICENSED CONTRACTOR IN THE FOLLOWING STATES:										Fire Engineering Company Inc. www.fireengineeringco.com (801)262-3329 1-800-433-4222 Fax (801) 262-0601 4717 South 500 West Salt Lake City, Utah 84123										DRAWING TITLE / SYSTEM LOCATION FLOOR PLAN																					
PENETRATION HOLE SCHEDULE												OUR WARRANTY IS SUBJECT TO THE OWNER'S ADHERANCE TO NFPA 25. NFPA 25 IS THE APPLICABLE STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF A WATER BASED FIRE PROTECTION SYSTEM. UNDER NFPA 25, THE OWNER IS RESPONSIBLE FOR MAINTAINING AND KEEPING THE SYSTEM IN GOOD OPERATING CONDITION.		THIS DRAWING IS THE PROPERTY OF FIRE ENGINEERING CO., INC. IT SHALL NOT BE USED OR COPIED WITHOUT WRITTEN PERMISSION.		TOTAL NUMBER OF SPRINKLERS ON THIS SHEET 99										*CONTRACTOR'S LICENSE NOT REQUIRED										PROJECT NAME / ADDRESS LOST CREEK WATER TREATMENT FACILITY 7563 PROMONTORY RANCH ROAD SUMMIT COUNTY, UTAH										SCALE: AS INDICATED DATE: 08/23/04 DRAWING FILE: LOSTCREEK.DWG PROJECT NUMBER: 50-131 REFERENCE NUMBER: 04-88 FP02 of FP03																	
PIPE SIZE HOLE SIZE		PIPE SIZE HOLE SIZE		LONGITUDINAL E.O.B. NOT TO SCALE		LATERAL E.O.B. NOT TO SCALE		4-WAY E.O.B. NOT TO SCALE		TEST SHOULD BE WITNESSED BY SCOTT ADAMS																																																					
1" - 2 1/2" 3 1/2"		3" 4"																																																													
4" 6"		6" 8"																																																													
8" 10"		10" 12"																																																													
12" 14"																																																															



- | | |
|---|--|
| SYSTEM COMPONENTS | |
| A Valve | |
| A1 Drainage Valve * | |
| B Drainage Valve * | |
| B1 Drainage Valve (7.5 ton Control) | |
| B2 Drainage Valve (Normally Open) | |
| B3 Drainage Valve (Normally Closed) | |
| B4 Spring Loaded Check Valve | |
| B5 Drainage Valve (Normally Closed) | |
| B6 Auxiliary Drain Valve (Normally Closed) | |
| B7 Drainage Valve * | |
| B8 Drainage Valve * | |
| B9 Drainage Valve (Normally Open) | |
| B10 Drainage Valve (Normally Closed) | |
| B11 Drainage Valve * | |
| B12 Emergency Release | |
| B13 Drainage Valve (Normally Open) | |
| B14 Valve Pressure Gauge and Valve | |
| B15 Valve Pressure Gauge and Valve | |
| B16 Flow Test Valve (Normally Closed) | |
| C Valve | |
| C1 Alarm Pressure Switch and Control | |
| C2 Alarm Pressure Alarm (Strainer Required) | |
| C3 Alarm Pressure Switch | |
| C4 Electric Alarm Valve | |
| D Valve | |
| D1 Valve Supply Control Valve | |
| D2 Easy Drain Valve (Normally Open or | |
| radiator installed) | |
| D3 Servomotor (Normally Open) | |
| D4 Servomotor (Normally Closed) | |
| D5 Self Sealing Supply Valve | |
| E Superheated Air Supply | |
| F Air Supply | |
| F1 Remote Station | |
| F2 Remote Station | |
| F3 Remote Station | |
| F4 Remote Station | |
| F5 Remote Station | |
| F6 Remote Station | |
| F7 Remote Station | |
| F8 Remote Station | |
| F9 Remote Station | |
| F10 Remote Station | |
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1. REFER TO SITE AND/OR UTILITY PLAN FOR INFORMATION REGARDING PIPING AND UTILITY LAYOUT.
2. UNDERGROUND FIRE SUPPLY LINE SHALL BE INSTALLED, ANCHORED, THRUST-BLOCKED, FLUSHED, AND TESTED IN ACCORDANCE WITH NFPA NO. 13 AND NFPA NO. 24 BY OTHERS.
3. AUTOMATIC FIRE SPRINKLER SYSTEM DESIGN, FABRICATION, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH NFPA NO. 13 AND SHALL BE SUBJECT TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.
4. ALL MATERIALS SHALL BE U.L. LISTED AND/OR F.M. APPROVED FOR USE IN AUTOMATIC FIRE SPRINKLER SYSTEM.
5. ALL HANGERS SHALL COMPLY WITH NFPA NO. 13.
6. PIPE SHALL BE JOINED BY USING GROOVED TYPE MECHANICAL FITTINGS, SWP WELDED BRANCH OUTLETS, OR THREADED FITTINGS.
7. PIPE USED ON THIS PROJECT SHALL BE BLACK STEEL PIPE AS ALLOWED BY NFPA NO. 13, EITHER BUT NOT LIMITED TO ASTM A 53 A 75% OR A 135, INCLUDING SCHEDULE 40, SCHEDULE 80, DYNM-THREAD 40, DYNM-FLOW, AND C-Z FLOW AS THE SUPPLIER'S DISCRETION.

1. UNDERGROUND SUPPLY FROM SUPPLY SOURCE TO 1'-0" INSIDE THE BUILDING.
2. FLUSHING AND TESTING OF WORK INSTALLED BY OTHERS.
3. UNDERGROUND CITY CONNECTION, FEES, OR PERMITS.
4. KNIX LOOKING TYPE FDC CAPS.
5. HIGH VOLUME ELECTRICAL WIRING OF ANY TYPE.
6. PAINTING AND/OR LABELING OF SPRINKLER PIPING.
7. CENTERING OF SPRINKLER HEADS IN CEILING TILE.
8. SPRINKLER PROTECTION IN OR UNDER ANY EQUIPMENT.
9. HOSE RACKS OR CABINETS.
10. FIRE EXTINGUISHERS OR CABINETS.



LONGITUDINAL E.Q.B.
NOT TO SCALE

LATERAL E.Q.B.

NOT TO SCALE

4-WAY E.Q.B.
NOT TO SCALE

<p>NOTICE:</p> <p>OUR WARRANTY IS SUBJECT TO THE OWNER'S ADHERENCE TO NFPA 25. NFPA 25 IS THE APPLICABLE STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF A WATER BASED FIRE PROTECTION SYSTEM. UNDER NFPA 25, THE OWNER IS RESPONSIBLE FOR MAINTAINING AND KEEPING THE SYSTEM IN GOOD OPERATING CONDITION.</p>	
<p>THIS DRAWING IS THE PROPERTY OF FIRE ENGINEERING CO., INC. IT SHALL NOT BE USED OR COPIED WITHOUT WRITTEN PERMISSION.</p>	

[illegible]

LICENSED CONTRACTOR THE FOLLOWING STATES:	
ARIZONA	070937-009
CALIFORNIA	446397
COLORADO	40-335
IDAHO	5738-AAA-40
MONTANA	39225
NEVADA	6276A
NEW MEXICO	18634
OREGON	148454
TEXAS	SCR-0504
UTAH	22-228747-S
WASHINGTON	FIREEC1988K
WYOMING	

■ CONTRACTOR'S LICENSE
 NOT REQUIRED

	<h1>Fire Engineering Company Inc.</h1> <p>www.fireengineeringco.com</p>		DRAWING TITLE / SYSTEM LOCATION SITE PLAN
	(801) 262-3329 1-800-445-6222 Fax (801) 262-0601	4717 South 500 West Salt Lake City, Utah 84123	DRAWN BY: MW SCALE: AS INDICATED DATE: 08/23/04 DRAWING FILE: LISTCREEK.DWG
PROJECT NAME / ADDRESS LOST CREEK WATER TREATMENT FACILITY 7563 PROMONTORY RANCH ROAD SUMMIT COUNTY, UTAH			PROJECT NUMBER: 50-131 REFERENCE NUMBER: 04-88 SHEET NUMBER: FP01 of FP01

<div><div></div><div>BIDDER QUESTION LOG</div></div>	
Signal Hill Water Treatment Plant Optimization Project	
10/14/2026	
INQUIRY	FINAL RESPONSE
Fire Alarm is included in scope of work with Edwards Signaling Solutions, Honeywell, & Siemens listed as approved manufacturers, but is there an existing system that needs to be connected to?	There is an existing system. See supplemental information included in Addendum No. 3.
For 40F01 and 70F01, with a new fire suppression system being designed and installed, will the existing system be completely demolished or only adapted for the new design? For either approach, can as-built drawings be provided for the existing fire suppression system?	The existing fire system will remain in place. Per 40F01, the GAC fire protection system shall tie into the existing system. See Addendum No. 3 for supplemental information regarding the existing fire system.
Please confirm there are no HVAC drawings for the newly formed rooms in the Main Treatment Building (Rooms 102, 103).	HVAC for the interior rooms within the existing Main Treatment Building is provided via Addendum No. 3.
Will new fire alarm systems be required for all three of these buildings, or will we need to tie into any existing fire alarm systems?	See 40F01 and 70F01. Also see Addendum No. 3 for supplemental information for the existing fire system.
Will the Electrical Engineer be adding drawings for fire alarm for these projects? We went through the drawings and there are no fire alarm drawings in the documents.	See Addendum No. 3 for supplemental information for the existing fire system.
1. Please confirm whether the assigned H2O Innovation membrane procurement contract includes applicable sales tax or whether the general contractor must carry any additional tax. 2. Please confirm whether the electrical equipment procurement price includes sales tax and whether any additional tax must be carried by the general contractor.	1. The H2O Innovation pricing does not include sales tax. Bidders should include applicable sales tax in Bid Item 2. 2. Electrical procurement pricing does not include sales tax. Bidders should include applicable sales tax in Bid Item 4.
Quick question for the progressing cavity pump. There is some conflicting info on pump configuration. Are you anticipating a closed coupled or a direct coupled pump? Is baseplate inline, piggyback, or L shape?	Per Section 43_23_57.10 Part 3.05, the coupling type is "Close-couplings". Per drawing 60M01, the progressive cavity pump motor and baseplate are "inline".
Bollards: Are guard posts per CF161 required on both sides of the overhead coiling doors at the Chemical Building?	Drawing 01C01 calls out Typ CF160 and points to a bollard near the chemical building rollup door. Next to the Typ callout, it says 6" DIA/TYP. That indicates that the typical callout and size of bollards is typical for the other bollards in that area (rather than pointing to each bollard individually). So yes, bollards are required on both sides of the overhead door per Drawing 01C01, as well as bollards on either side of the adjacent chemical offloading station.
Spare PLC parts: Appendix E excludes the spare PLC parts in 40_64_01, Art. 1.10, per coordination with the Owner. Please confirm the Contractor does not need to carry them.	The spare parts were excluded from SKM's scope and therefore excluded from the project. The Contractor does not need to carry the excluded spare parts in their bid.
Appendix E (Addendum No. 2) excludes "PCM-MAIN PLC hardware, network rack NCP-MAIN and its equipment, and network equipment outside PCM-CHEM and NCP-CHEM." We need the following clarified so it is carried once: 1. NCP-MAIN new or existing: On 00N10, NCP-MAIN is shown as a swing-out network rack with ES-MAIN-1 and UPS-MAIN-1. Reissued 05E08 (Addendum No. 2) labels it "NCP-MAIN (EX)." Is NCP-MAIN a new rack with new ES-MAIN-1 and UPS-MAIN-1, or existing equipment to remain? 2. ES-MAIN-2 and UPS-MAIN-2: 00N10 shows these inside PCM-MAIN. Who furnishes and installs them: the Owner, as part of the PLC-MAIN replacement (01_11_00 1.06), or the Contractor? 3. Switch configuration: SKM configures ES-CHEM-1 and ES-CHEM-2 and the PLC side. 40_66_01 3.06.A requires firmware, configuration and setup of the network. Who configures ES-MAIN-1, ES-MAIN-2 and ESP-SRV, including the SCADA/business VLAN separation? 4. Deleted pumps: PMP-15-113 and PMP-10-213 were deleted in Addendum No. 2. However, reissued 05E08 still shows VFD-15-113 and conduits P15113, F15113 and C15113, and 00N10 still shows VFD-15-113. Please confirm that VFD-15-113 and all power, control and network conduit and wire for both deleted pumps are removed from the bid. This includes the conduit schedule and the one-line diagram.	1. NCP-MAIN with the ethernet switch and UPS are existing for this contract. 2. PCM-MAIN with the PLC, UPS, and ethernet switch are existing for this contract. 3. ES-MAIN-1 and ES-MAIN-2 are existing for this contract, and no firmware, configuration or setup by the Contractor is required. 4. Install the conduits and raceways but remove the VFDs and conductors from the bid. See Addendum No. 3.
We found conflicts between Section 32_31_00 and the drawings for the new perimeter fence. Please clarify the following: 1. Fabric and framework coating: 32_31_00 2.03.A.1 calls for zinc-coated fabric (ASTM A392, Class 1) and galvanized framework (ASTM F1043 Group IA/IC). 2.07.B also calls for ferrous metal to be hot-dip galvanized. However, 01C03 Keynote 1 and 04C01 Keynote 8 call for "PVC coated black chain link with top rail." The spec also references ASTM F668 (PVC-coated fabric) and asks for PVC-coated fabric samples (1.03.C). Which governs? If black PVC, are the posts, rails, fittings and gates also black coated? 2. Bottom rail: 32_31_00 2.03.A.2 includes both a top rail and a bottom rail. The keynotes mention only a top rail, and typical detail CF202 shows a bottom tension wire. Is a bottom rail required, or only the bottom tension wire? 3. Barbed wire: CF202 shows 3 strands of barbed wire on 45-degree extension arms. The plan keynotes don't mention barbed wire. Is 3-strand barbed wire required along the full new fence line?	See Addendum No. 3.



BIDDER QUESTION LOG

Signal Hill Water Treatment Plant Optimization Project

10/14/2026

INQUIRY	FINAL RESPONSE
<p>We need clarification on the temporary membrane trailers in Bid Item 5:</p> <p>1. Rental agreement deadline: Section 01_14_00 and Appendix C (H2O Innovation PR2777) require the Contractor to sign the rental agreement and pay the deposit at least one year before delivery. The trailers must be operating by March 31, 2028 (Milestone 1), so delivery is needed around January 2028. With bids on October 22 and a 60-day bid hold, NTP is likely about February 2027, after the one-year date. How will this be handled? Will the Owner reserve the trailers ahead of award, or accept a signed agreement and deposit within a set number of days after NTP?</p> <p>2. Rental duration: Appendix C is priced on a 6-month minimum. Under 01_14_00, the plant runs on the trailers from April 2028 until Substantial Completion. With setup and removal, the trailers will be on site about 13 months. Should Bid Item 5 carry the full anticipated duration? If Substantial Completion moves, how will rental beyond that duration be paid?</p> <p>3. Pricing basis: Appendix C is a budgetary proposal dated May 7, 2026, valid for 30 days, and excludes taxes. Will H2O Innovation hold these monthly rates, the retainer and the deposit for the contract? Is return freight, which is not quoted, to be carried by the Contractor?</p>	<p>Bidders should contact H2O Innovation regarding the temporary membrane trailer rental. Contact information is given in Section 01_11_00. Contractor is required to prepare a construction schedule per Section 01_32_21 that meets the Work Restrictions as defined in Section 01_14_00.</p>
<p>After reviewing the Addendum No. 2 changes, we have three questions on the irrigation piping:</p> <p>1. Buried IRR material: The Bidder Question Log says the 8" IRR between the Irrigation Manhole and the Irrigation Valve Vault should be DIP. Reissued 00G12, however, lists all buried IRR as HDPE: SDR 11 downstream of the manhole and SDR 26 between the building and the manhole. Which governs for each segment?</p> <p>2. Exposed IRR joints: 00G12 lists exposed IRR as DIP with flanged (FL) joints only. The Addendum No. 2 changes to 04C02 add grooved couplings at all three pump discharges and between the 8" isolation valve and the magnetic flow meter. Please confirm grooved joints are acceptable for exposed IRR, or that the pipe schedule will be revised.</p> <p>3. Future Irrigation Pump 3 (PMP-15-113): Addendum No. 2 deletes the pump but says to still provide piping to accommodate a future third pump. Please define what is included on the Pump 3 discharge: the 2" ARV and saddle, the 8" check valve, the 8" gate valve, the grooved spools, and the flow meter, or only piping ending in a blind flange (similar to future Recycle Pump 3 on 20M01).</p>	<p>See Addendum No. 3 for clarification. The pipe schedule has been updated to be more clear. 04C02 has been modified as well to clarify what is to be provided.</p>
<p>Sheet 40F01, General Note 2, and the Bidder Question Log response require the existing GAC (base bid) and new GAC (Bid Alternate A) fire protection to tie into the existing fire system. The bid documents don't show where the existing riser or the point of connection is.</p> <p>Please provide:</p> <p>1. The location of the existing fire riser serving the Main Treatment Building and existing GAC.</p> <p>2. The size of the existing riser and supply, and the intended point of connection for the new GAC sprinkler work.</p> <p>3. Any available record drawings, hydraulic calculations, or water supply/flow test data for the existing system, for use in the deferred-submittal design.</p>	<p>See Addendum No. 3 for supplemental information for the existing fire system.</p>
<p>Sheet 40SD01 refers to detail SD350 which does not appear to be included in the details. Please provide.</p>	<p>This should refer to Typical Detail SD850 which is part of the drawing set. See Addendum No. 3 for correction of the typical detail callout.</p>
<p>Detail CS202 references detail SR609 which does not appear to be included in the details. Please provide.</p>	<p>See Addendum No. 3.</p>