



# ROANOKE COUNTY

Purchasing Division

5204 Bernard Drive, Suite 300-F, P.O. Box 29800

Roanoke, Virginia 24018-0798

TEL: (540) 772-2061 FAX: (540) 772-2074

October 26, 2023

## ADDENDUM NO. 1 TO ALL BIDDERS:

Reference – IFB 2024-024

Description: Courthouse Boiler Replacement

Issue Date: October 6, 2023

Proposal Due: November 2, 2023

The above Project is hereby changed as addressed below:

1. Extension of Due Date: at this time, the due date is hereby extended to November 2, 2023 at 2:00 PM EST. Sealed bids must be delivered to the Purchasing Division at or before that time.
2. Site Visit: Bidders may attend an additional site visit at 2:30 PM on Monday, October 30, at the Courthouse. Interested Bidders should meet the County representative out front of the Courthouse entrance.  
Please note that no questions may be posed to County staff during this site visit; any questions arising must be directed in writing to [KHoyt@roanokecountyva.gov](mailto:KHoyt@roanokecountyva.gov).
3. Responses to Questions Submitted: please see below for a list of questions received by prospective Bidders, and the responses provided by the County as available.
  - a. Is the inlet and outlet piping and valves being replaced on HWP-1 and HWP-2?  
*See the detail on Sheet M-2 for the piping and valves that are to be replaced.*
  - b. Is a suction diffuser needed on the inlet of HWP-1 and HWP-2?  
*No.*
  - c. There are gate valves installed on HWP-1 and HWP-2 now, drawings show for butterfly valves to be installed. What valves need to be installed?  
*Butterfly valves.*
  - d. Are there any electrical drawings? There is a fair amount of electrical work on this project.  
*Original building electrical drawings are attached as Exhibit A to this Addendum. It is not expected that formal electrical design drawings will be required.*
  - e. What is the GPM, Head, and receiver capacity for the Alternate #1 Boiler Feed?  
*The receiver capacity is 102 gallons. The existing pumps will remain. So, the gpm and head is not needed.*

- f. Is a controller required for the Advantage Controls Boiler Blowdown?  
*The specified boiler blowdown package shall be ordered with option P which provides a pre-wired controller. The controller shall be mounted on the wall behind the boilers. 120V/single phase power will be required for the controller.*
  - g. Is any water treatment required?  
*The owner provides water treatment under separate contract. The system does not include any glycol.*
  - h. What parking will be available for the contractor to use? *Spaces will be made available in the 2-hour parking area. If more space is needed, Police Only parking spaces may be made available until the installation is finished. Any larger vehicles may be parked near the loading dock for the jail.*
  - i. Will background checks be required for all workers on site?  
*Workers would not be entering the secured areas of the jail. Standard terms or requirements as outlined in the Sample Contract provided with the IFB, shall apply.*
  - j. Will crane work need to be completed only on weekends?  
*Crane work can occur at any time. The upper parking lot can be closed if needed during the workday. If work does occur on weekends, the parking lot area will be empty.*
4. Pre-Bid Conference Log: please see attached as Exhibit B to this addendum, a copy of the sign-in log from the pre-bid conference held on October 18, 2023.

**Note:** A signed acknowledgment of this addendum must be received at the location indicated on the original solicitation either prior to the proposal due date or attached to your proposal. Signature on this addendum does not substitute for your signature on the original proposal/bid document. The original proposal/bid document must be signed.

Thank you,

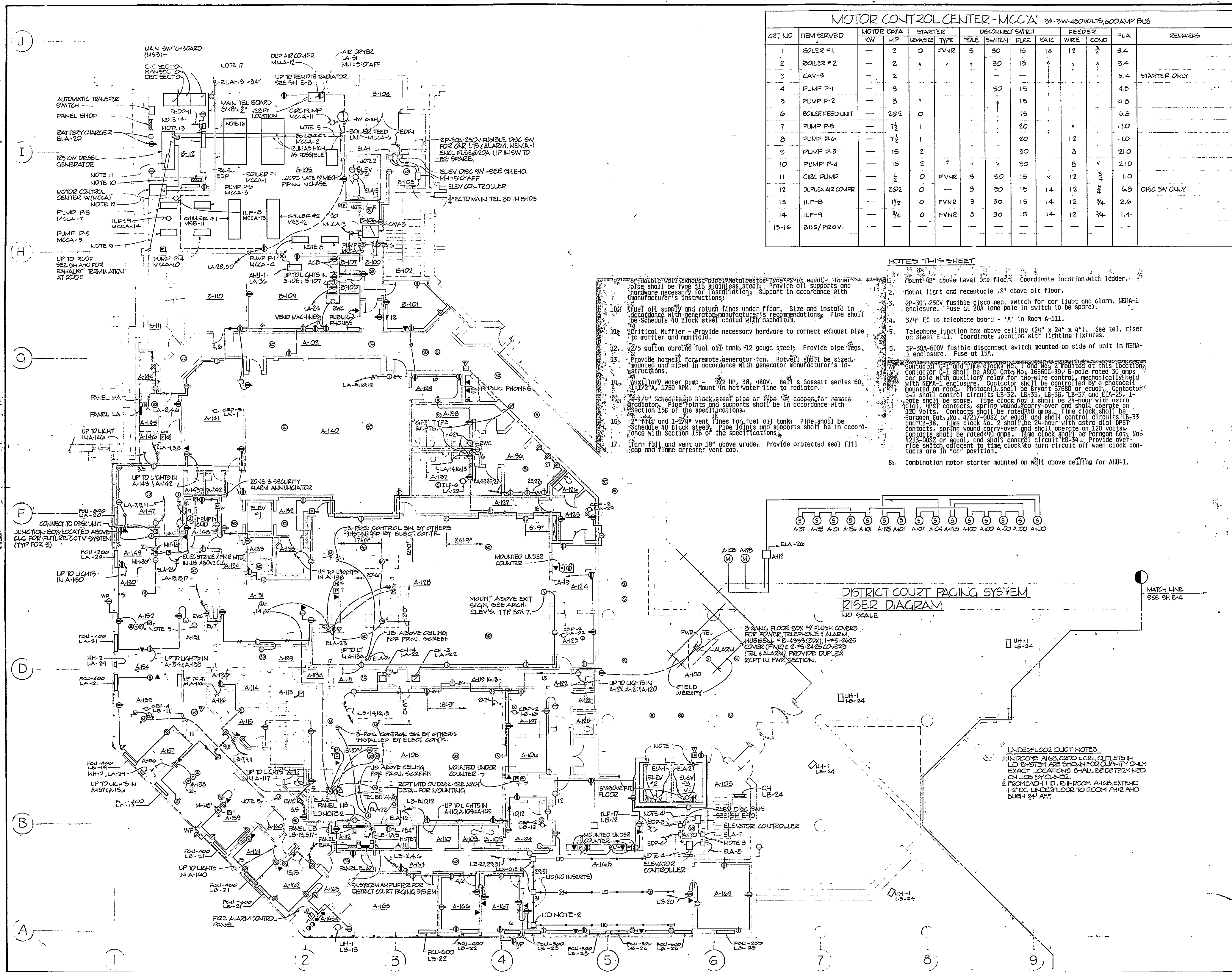
Kate Hoyt  
Phone: (540) 283-8149  
[KHoyt@roanokecountyva.gov](mailto:KHoyt@roanokecountyva.gov)

\_\_\_\_\_  
Sign Name:

\_\_\_\_\_  
Print Name:

\_\_\_\_\_  
Name of Firm:

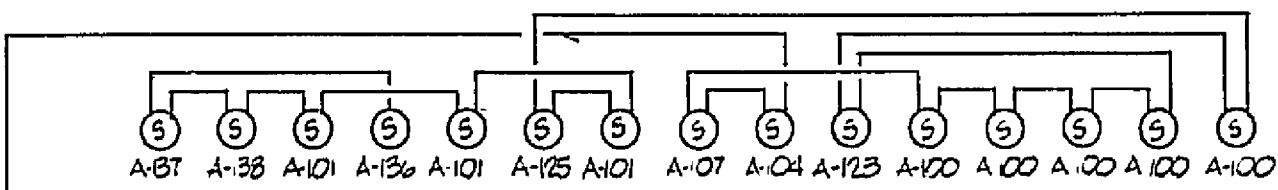
\_\_\_\_\_  
Date:



MOTOR CONTROL CENTER - MCC 'A'											
34-3W-480VOLT, 600 AMP BUS											
CRT NO	ITEM SERVED	MOTOR DATA	STARTER	DISCONNECT SWITCH	POLE	SWITCH	FUSE	KALC	FEEDER	COND	FLA
1	BOILER #1	2	0	FVNR	3	30	15	14	12	2	3.4
2	BOILER #2	2	0	FVNR	3	30	15	14	12	2	3.4
3	CAV-3	2	0	FVNR	3	30	15	14	12	2	3.4
4	PUMP P-1	3	0	FVNR	3	30	15	14	12	2	4.8
5	PUMP P-2	3	0	FVNR	3	30	15	14	12	2	4.8
6	BOILER FEED UNIT	2@2	0	FVNR	3	30	15	14	12	2	6.8
7	PUMP P-5	1 1/2	1	FVNR	3	30	15	14	12	2	11.0
8	PUMP P-6	1 1/2	1	FVNR	3	30	15	14	12	2	11.0
9	PUMP P-3	15	2	FVNR	3	30	15	14	12	2	21.0
10	PUMP P-4	15	2	FVNR	3	30	15	14	12	2	21.0
11	CIRC PUMP	2 1/2	0	FVNR	3	30	15	14	12	2	1.0
12	DUPLEX AIR COMP	2@2	0	FVNR	3	30	15	14	12	2	6.8
13	ILF-8	1 1/2	0	FVNR	3	30	15	14	12	2	2.6
14	ILF-9	3/4	0	FVNR	3	30	15	14	12	2	1.4
15-16	BUS/PROV.										

- NOTES THIS SHEET
- Mount 42" above Level One floor. Coordinate location with ladder.
  - Mount 11ft and receptacle .8" above pit floor.
  - 2P-30-250V fusible disconnect switch for car light and alarm, NEMA-1 enclosure. Fuse at 20A (one pole in switch to be spare).
  - 3/4" EC to telephone board - 'A' in Room A-111.
  - Telephone junction box above ceiling (24" x 24" x 4"). See tel. riser on Sheet E-11. Coordinate location with lighting fixtures.
  - 3P-30A-600V fusible disconnect switch mounted on side of unit in NEMA-1 enclosure. Fuse at 15A.
  - 3P-30A-600V time clocks No. 1 and No. 2 mounted at this location. Contactor C-1 shall be ASCO Corp. No. 1666C-R9, 6-pole rated 30 amps per pole with auxiliary relay for two-wire control, mechanically held with NEMA-1 enclosure. Contactor shall be controlled by a photocell mounted on roof. Photocell shall be Bryant 67660 or equal. Contactor C-1 shall control circuits LB-32, LB-35, LB-36, LB-37 and ELA-29. 1-pole shall be spare. Time clock No. 1 shall be 24-hour with astro dial, 115V contacts, spring wound carry-over and shall operate on 120 volts. Contacts shall be rated 40 amps. Time clock shall be Paragon Cat. No. 4721-0052 or equal and shall control circuits LB-33 and LB-38. Time clock No. 2 shall be 24-hour with astro dial, 115V contacts, spring wound carry-over and shall operate on 120 volts. Contacts shall be rated 40 amps. Time clock shall be Paragon Cat. No. 4721-0052 or equal, and shall control circuit LB-34. Provide over-ride switch adjacent to time clock to turn circuit off when clock contacts are in "on" position.
  - Combination motor starter mounted on wall above ceiling for AHU-1.

10. Fuel oil supply and return lines under floor. Size and install in accordance with generator manufacturer's recommendations. Pipe shall be Schedule 40 black steel coated with asphaltum.
11. Critical Muffler - Provide necessary hardware to connect exhaust pipe to muffler and manifold.
12. 275 gallon above ground fuel oil tank, 12 gauge steel. Provide pipe legs.
13. Provide hotwell for remote generator fan. Hotwell shall be sized, mounted and piped in accordance with generator manufacturer's instructions.
14. Auxiliary water pump - 1/2 HP, 30, 480V. Bell & Gossett series 60, 1 1/2" A, 1750 RPM. Mount in hot water line to radiator.
15. 1 1/4" Schedule 40 black steel pipe or Type 12 copper for remote radiator. Pipe joints and supports shall be in accordance with Section 15B of the specifications.
16. 1 1/4" and 1 1/2" vent lines for fuel oil tank. Pipe shall be Schedule 40 black steel. Pipe joints and supports shall be in accordance with Section 15B of the specifications.
17. Turn fill and vent up 18" above grade. Provide protected seal fill cap and flame arrester vent cap.



DISTRICT COURT PAGING SYSTEM  
RISER DIAGRAM  
NO SCALE

VVKR Incorporated  
Architecture Engineering Planning

CHARL C. REINGER  
MECHANICAL ENGINEER  
CERTIFICATE NO. 4537  
Professional Engineer

Carl Chelinger

SECTOR B

SECTOR A

KEY PLAN

0' 4' 8' 16' 24'

1/8" = 1'-0"

No.	Description	Date
1	Revisions	

Roanoke County Courthouse  
Salem, Virginia  
Project No. 82302

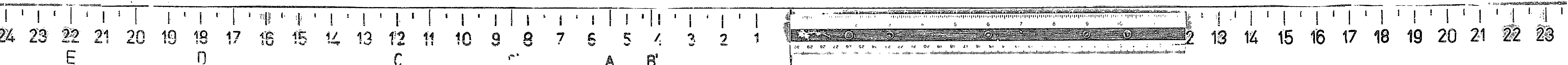
Checked By: WTT  
Project Manager/Engineer

Drawn By: TE  
Date: 28 SEPT. 1982

Drawing Title  
FLOOR PLAN  
LEVEL ONE - WEST  
POWER & SIGNAL

Drawing No.  
**E-3**

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PRE-BID MEETING SIGN-IN LOG  
IFB #2024-024 Courthouse Boiler Replacement

October 18, 2023

3:00 PM

(PLEASE PRINT)

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Name/Title TRACE McNOWELL Project Manager  
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Name/Title David Falwell Elec Project Manager  
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Name/Title \_\_\_\_\_  
Organization \_\_\_\_\_  
Email & Phone \_\_\_\_\_