



# B&W MECHANICAL CONTRACTORS

# Invoice

B&W Mechanical Contractors  
1940 Riverside Pkwy  
Lawrenceville, GA, 30043  
Phone: (770) 449-6000

Reference No.: 008169  
Date: 06-May-2026  
Due Date: 05-Jun-2026  
Customer ID: C000187  
Currency: USD

BILL TO:	LOCATION:
Attn: Accounts Payable Hall County Board of Commissioners Hall County Board of Commissioners P.O. Drawer 1435 Gainesville GA 30503-1435 United States of America	Hall County Jail 1700 Barber Road Gainesville GA 30507 United States of America

### INVOICE DESCRIPTION

Invoice for Job #46688288 (Hall County Jail)

CUSTOMER REF. NBR.	TERMS	CONTACT
20260803	Net 30 Days	

NO.	ITEM	QTY.	UOM	UNIT PRICE	EXTENDED PRICE
1	Journeyman - HVAC - Double Time	6.00		150.0000	900.00
2	Journeyman - Plumbing - Double Time	20.00		150.0000	3,000.00
3	Journeyman - Plumbing - Overtime	14.00		150.0000	2,100.00
4	JOURNEYPLREG: Journeyman - Plumbing - Regular	104.00	HOUR	105.0000	10,920.00
6	PLUMBING MTL: Kind sir PO 5361	1.00	EA	4,600.0000	4,600.00
7	PLUMBING MTL: Herc Rentals PO 5184 A	1.00	EA	2,441.6300	2,441.63
8	PLUMBING MTL: Herc Rentals Po 5241 B	1.00	EA	1,292.9600	1,292.96
9	PLUMBING MTL: Herc Rentals PO 6264 C	1.00	EA	2,044.4900	2,044.49
10	MTL: Ware PO 5180	1.00	EA	53,470.4000	53,470.40
12	PLUMBING MTL: WARE PO # 3 5180	1.00	EA	19,837.2000	19,837.20
13	PLUMBING MTL: WARE PO # 3 5180 - Damage deposit credit	1.00	EA	-16,260.0000	-16,260.00
14	PLUMBING MTL: WARE po 5180 Rental return credit	1.00	EA	-1,742.1400	-1,742.14
18	TRUCK STOCK 1 Propress Coupling	1.00		6.7900	6.79
20	PLUMBING MTL: Superior Plus PO 5222	1.00	EA	2,157.9500	2,157.95
21	PLUMBING MTL: Superior Plus PO 5222 #2	1.00	EA	1,472.0000	1,472.00
22	PLUMBING MTL: Superior Plus PO 5222 #3	1.00	EA	2,047.0000	2,047.00
24	PLUMBING MTL: Superior Plus PO 5222 #4	1.00	EA	1,766.5500	1,766.55
25	PLUMBING MTL: Superior Plus PO 5222 #5	1.00	EA	2,001.7200	2,001.72
26	PLUMBING MTL: Superior Plus PO 5222 #6	1.00	EA	767.2000	767.20
27	PLUMBING MTL: Superior Plus PO 5222 #7	1.00	EA	2,276.6600	2,276.66
28	PLUMBING MTL: Superior Plus PO 5222 #8	1.00	EA	2,307.5400	2,307.54
35	PLUMBING MTL: Ware PO #2 5180	1.00	EA	9,628.9500	9,628.95
36	PLUMBING MTL: B&D concrete cutting PO 5218	1.00	EA	1,035.0000	1,035.00
41	PLUMBING MTL: Southern Pipe PO 5193	1.00	EA	3,579.3900	3,579.39
43	PLUMBING MTL: Home Depot PO 5251	1.00	EA	368.3700	368.37
45	PLUMBING MTL: Southern Pipe PO 5181	1.00	EA	7,041.0100	7,041.01
46	PROGRESS TOOL 1/2-IN X 2-IN: ProPress Tool 1/2-inch to 2-inch	1.00	EA	65.0000	65.00
47	PROGRESS TOOL 2.5-IN X 4-IN: ProPress Tool 2-1/2-inch to 4-inch	1.00	EA	110.0000	110.00
48	MEGAPRESS TOOL 1/2-IN X 2-IN: MegaPress Tool 1/2-inch to 2-inch	1.00	EA	110.0000	110.00
49	INSTALLMENT 1 INVOICE BALANCE PAID	1.00		-48,500.0000	-48,500.00
50	INCREMENTAL BILLING APRIL 2026 - BALANCE DUE AS AT 5/6/2026	1.00		-24,500.0000	-24,500.00



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NOTE: Job Number: 46688288 Customer PO: 20260803  
Sales Quote #: 2021751

Installment 1) \$48,500 paid

Installment 2) \$24,500 balance due 5/14/2026

Final Installment 3) \$46,345.67 sent 5/6/2026

Total Bill \$ 119,345.67

Job Description: 4th floor plumbing at Hall County Jail – hot water heaters not working and electrical sparking from units, emergency service required.

Call Log: Emergency Service Call Job

3/1/26 Met with Chris Lonnis on site and began full system evaluation. Inspected 4th floor mechanical room housing (4) 90,000W electric boilers. Found (2) boilers previously isolated and removed from service. Identified (1) boiler with failed wiring to heating elements with visible electrical damage and sparking concern, along with active leakage from tank and element ports, unit isolated for safety. Inspected remaining boiler and found leakage present around heating elements with high probability of internal tank failure. Verified multiple elements not functioning properly and outlet water temperature only reaching approximately 80°F. Recorded building pressure at approximately 45 PSI. Expanded investigation to main building mechanical system and evaluated (1) 300,000W electric boiler. Found electrical components including contactors and fuses had been altered/replaced and determined unit was not reliable to support combined building hot water demand. Determined interconnection between systems would not be feasible for temporary service. Developed emergency plan to install propane-fired temporary boiler system outside housing unit. Proposed routing of hot and cold supply piping from mechanical room through exterior wall and down building façade to temporary boiler trailer and buffer tank setup. Confirmed customer already has full boiler replacement project in place for existing equipment. Recommended temporary boiler solution to maintain hot water service during replacement project. Reviewed findings and plan with Chris Lonnis on site, project moved into planning and coordination phase.

3/2/26 Arrived on site, met with facility personnel and began emergency response. Isolated domestic hot and cold water to existing boilers in 4th floor mechanical room. Cut in tees on both hot and cold lines and installed isolation valves to prepare for temporary boiler tie-in. Coordinated with coring contractor to scan and core exterior wall penetrations for piping. Received delivery of temporary boiler trailer and buffer tank after hours, staged equipment and secured area for next day installation.

3/3/26 Returned on site and began full temporary boiler setup. Set boiler trailer in designated location and positioned buffer tank on stabilized base using pavers and gravel. Ran 2" copper piping along exterior wall, properly supported with unistrut and cushion clamps. Completed tie-ins from building system to temporary boiler loop. Coordinated telehandler delivery and used equipment to safely position tank. Verified all connections and prepared system for gas and electrical tie-in.

3/4/26 Continued installation, set stainless steel flex hoses between boiler trailer and buffer tank with bolt and gasket assemblies. Completed final makeup water piping between boiler and tank. Installed temporary supports including ratchet straps to secure tank. Coordinated with propane vendor to set tanks, hard pipe gas supply, perform leak test and purge system. Met with boiler startup technician to review system prior to startup. Verified no leaks on water and gas systems.

3/5/26 Assisted startup technician with initial firing and combustion adjustments. Adjusted incoming gas pressure and system setpoints for boiler and buffer tank operation. Identified overheating issues inside building due to failed mixing valves that were seized and non-adjustable. Attempted to balance system by isolating hot side flow. Investigated reported loss of hot water and identified cross connections at mop sinks allowing cold water to backfeed into hot system via recirculation. Coordinated with facility to mitigate cross connection usage and recommended replacement of mixing valves and installation of check valves.

3/6/26 Responded to no hot water complaint. Investigated mechanical room and found mixing valve screens clogged and one valve isolated, preventing hot water distribution. Identified recirculation loops returning cold water due to pressure differential from temporary boiler elevation. Shut down recirculation pumps and corrected flow path. Flushed hot water lines throughout

Continued...



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building to restore service. Implemented temporary solution by maintaining constant flow at remote fixtures to keep hot water circulating. Communicated findings and system limitations to facility staff.

3/12/26 Arrived on site for ignition failure alarm. Found burner control locked out. Reset system and monitored operation. Unit fired and ran normally, satisfying buffer tank demand. Verified proper cycling and determined issue was temporary ignition failure. No propane supply issues at time of inspection.

3/15/26 Returned to review continued intermittent faults. Checked system history and found pilot and main flame failure codes. Inspected gas pressures and made minor adjustments to improve combustion stability. Opened previously throttled tank to balance fuel distribution. Determined need for manufacturer-level diagnostics and coordinated boiler technician for further evaluation.

4/4/26 Responded to T&P valve actively discharging on temporary boiler. Inspected valve and confirmed failure. Contacted manufacturer and coordinated next-day shipment of replacement valve. Adjusted valve to partially seat and reduce discharge temporarily. Notified facility of limited temporary fix and need for return visit. 4/6/26 Returned with replacement T&P valve. Removed failed valve and installed new manufacturer-provided valve. Refilled and repressurized system. Brought boiler back online and verified proper operation. Checked for leaks and confirmed discharge issue resolved. Assisted with additional minor T&P related work on system.

4/20/26 Coordinated demobilization of temporary boiler system. Met with facility and equipment vendor. Shut down system, drained boiler and buffer tank, and disconnected piping. Utilized telehandler to relocate buffer tank and staged equipment for removal. Loaded boiler trailer and secured for transport. Completed shutdown checklist and coordinated with project manager on equipment return logistics.

4/22/26 Returned to site to coordinate insulation contractor activities and final system wrap-up. Ensured temporary system components were properly secured including hoses, T&P lines, and supports. Loaded remaining equipment and materials onto trailer. Documented condition of equipment prior to departure. Coordinated with facility and vendors regarding final pickup schedules and site turnover. Job completed and site stabilized.

<b>Sales Total:</b>	46,345.67
<b>Tax Total:</b>	0.00
<b>Total (USD):</b>	<b>46,345.67</b>