



PO Box 190099, Burton, MI 48519

INVOICE

Invoice #	Date
6176	9/9/2025

TO:

Genesee County Bldg & Grounds(Jail)
1101 Beach Street
Flint, MI 48506

Service Location:

Genesee County Bldg & Grounds(Jail)
1101 Beach St
Flint, MI 48506

PO Number:

Location Contact: Mark Faus

Work Order #: 10101

Service Technician: Woollard; Logan M

Date Entered: 7/21/2025

Service Requested: Ground Water Pump

Service Technician Notes:

Ground water pumps in basement: Inspected for pump identification and met with pump supplier.
Ordered new pumps and motor protectors to match new pumps amp draw.
Returned and replaced both four inch discharge pumps with new discharge risers to existing check valves.
Replaced motor protectors on both pumps in control panel.

Item	Quantity	Unit Price	Amount
Labor	50.00	120.00	6,000.00
Material			22,814.86
Truck Charge			80.00
Total			28,894.86

Payment Due Upon Receipt of Invoice

THANK YOU FOR YOUR BUSINESS

COMMON ACRONYMS & ABBREVIATIONS

While we try to avoid the overuse of acronyms and jargon, sometimes we find that their use saves space and/or avoids the repetitive use of long, cumbersome titles. Additionally, their use speeds up reading and can ease the understanding of the content of a document. The list below contains some of our most frequently used acronyms that you may see on your invoice.

Acronym	Description	Acronym	Description	Acronym	Description
ACCU	air cooled condensing unit	GHP	geothermal heat pump	RPM	revolutions per minute
AHU	air handling unit	HUV	horizontal unit ventilator	RTU	rooftop unit
CFA	conditioned floor area	HWH	hot water heater	RWP	radiant wall panel
CUH	cabinet unit heater	HWP	hot water pump	TCS	temperature control system
DAT	discharge air temperature	MAU	makeup air unit	TXV	thermal expansion valve
DHW	domestic hot water	OAT	outside air temperature	UV	unit ventilator
DWP	domestic water pump	OCC	occupant centric controls	VFD	variable frequency drive
DX	direct expansion cooling	PSI	pounds per square inch	VUV	vertical unit ventilator
ERU	energy recovery unit	RCP	radiant ceiling panel		

KEY TERMS AND WHAT THEY MEAN

Bank – When space is limited, chilled water coils are often installed in “banks” of coils. Also known as stacking.

Controls – An HVAC control system is a computerized mechanism that adjusts the heating, air conditioning, and ventilation components within a building. It can be used to turn a furnace or air conditioner on or off, or simply adjust the temperature and other settings of units.

Dumped a Charge – An informal term describing an AC recharge which refers to changing or refilling the refrigerant that cools warm air as it passes through your HVAC system.

DX (Direct Expansion) Cooling – A type of air conditioning system that uses a refrigerant to remove heat from a space through evaporation and condensation. The refrigerant is a special fluid that can change from a liquid to a gas and back again at relatively low temperatures. Common refrigerants include R-410A and R-134A.

Nitrogen – An inert gas that’s used in many stages of HVAC system maintenance to remove oxygen from the system to prevent oxidation and corrosion. Nitrogen can be used to pressurize coils and AC lines and check for leaks.

Pressure Test – Also known as a leakage test or duct pressure test, a pressure test is a procedure that checks for leaks in an HVAC system. It can also help identify small issues before they become bigger problems.

Pull a Vacuum, Vacuum System, or Pull Down – In HVAC, a vacuum is a space that has air and other gases removed from it, resulting in a pressure that is lower than atmospheric pressure. The deeper and more complete the vacuum, the more moisture is removed, which can help reduce the likelihood of system issues caused by water or other contaminants.

YOUR INVOICE

Labor	Includes time spent at the job site working on the service request but also includes travel time to the job site. Time needed to procure material may also be included if technician is able to do a quick purchase locally.
Material	Parts, i.e., fittings, insulation, refrigerant, etc., used for the job. Also includes work that uses material, such as torch use, soldering, pressure testing, and refrigerant recovery and disposal.
Truck Charge	A one-time charge for a service technician to come to your location, regardless of the number of times a technician may return to complete the work. The truck charge covers the use of a transport vehicle to bring tools and material to the work site.

If you have questions about your invoice, call the Service Department at 810-742-8652, option 3.

PAYMENTS

Invoices are payable by check, credit card, or ACH. A \$50.00 fee will be imposed for all returned checks.

For more information about Ecker Mechanical, visit our website at www.eckermecanical.com.