

CERTIFICATION OF WORK

(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: VA 49 Date of Visit: 8/31/22
Contractor Personnel on Site:

1. E. WARE 2. _____

Work Performed: General Inspection of systems

Preventive Maintenance - Services Completed (Annual, Quarterly, Monthly, equipment identification, etc.)

1. WO# ~~19~~ 19209 - COMH 187373

Service Calls – Service Call Number and Description

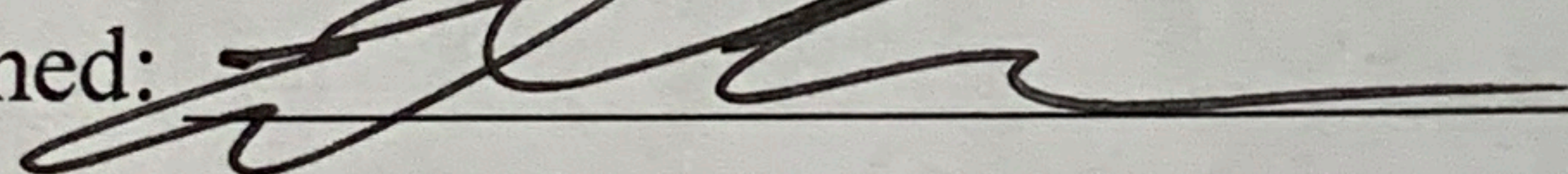
1. CSS# 19209
2. CSS# _____
3. CSS# _____

CHILLER DOWN

CERTIFICATION OF WORK

To be signed by the Contractor:

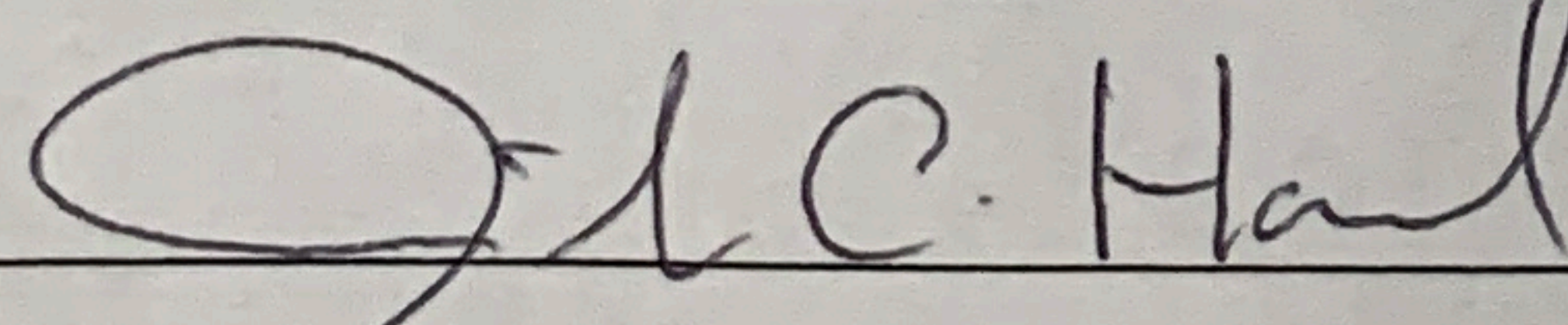
Print Name: EARL WARE Date: 8/31/2022

Signed: 

To be signed by Facility Manager:

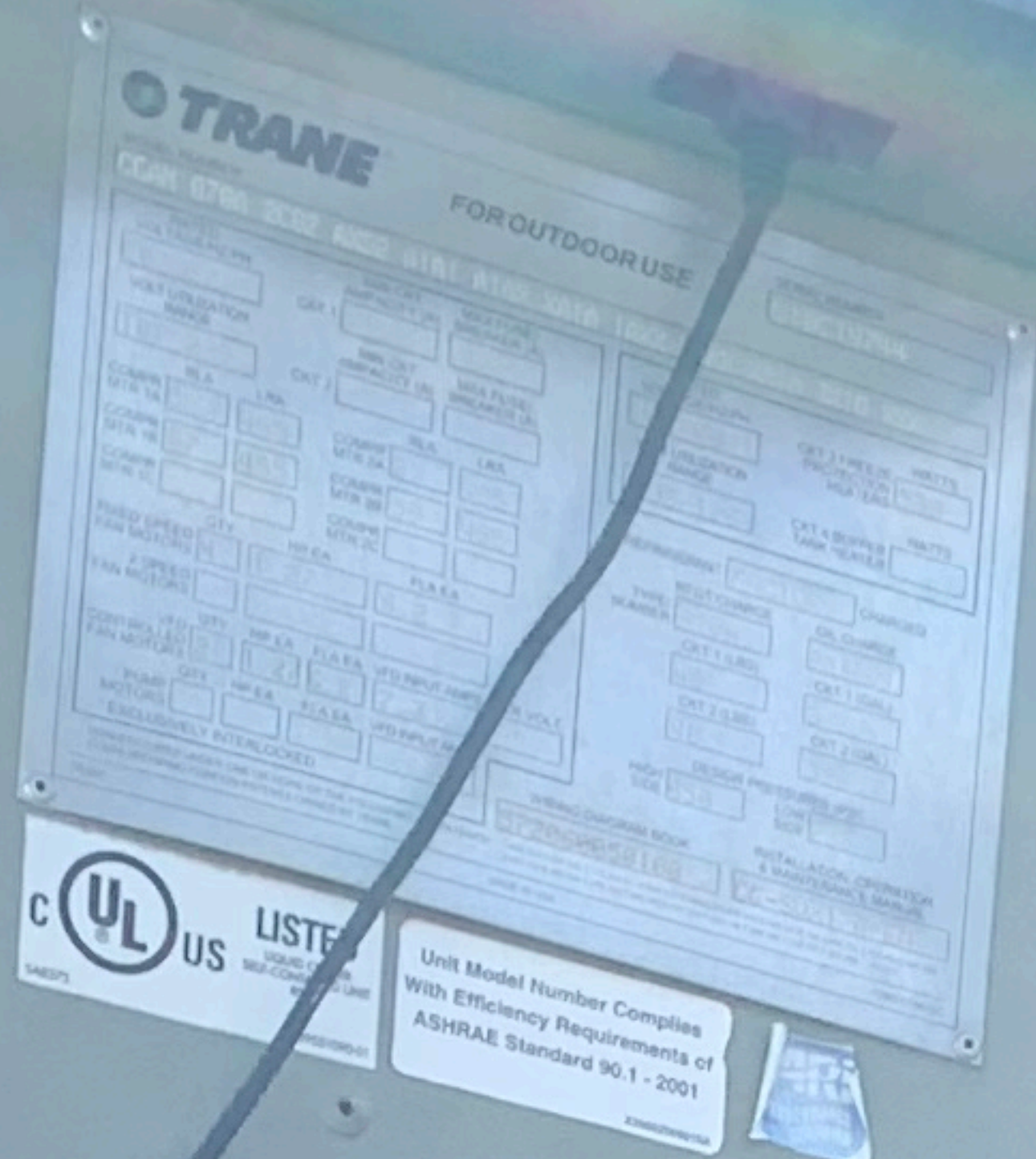
I certify that the above named individuals representing the Contractor arrived on site and to the best of my knowledge, completed the stated work listed:

Print Name/Rank: LTC Jeremiah C. Hood Date: 8/31/22

Signed: 

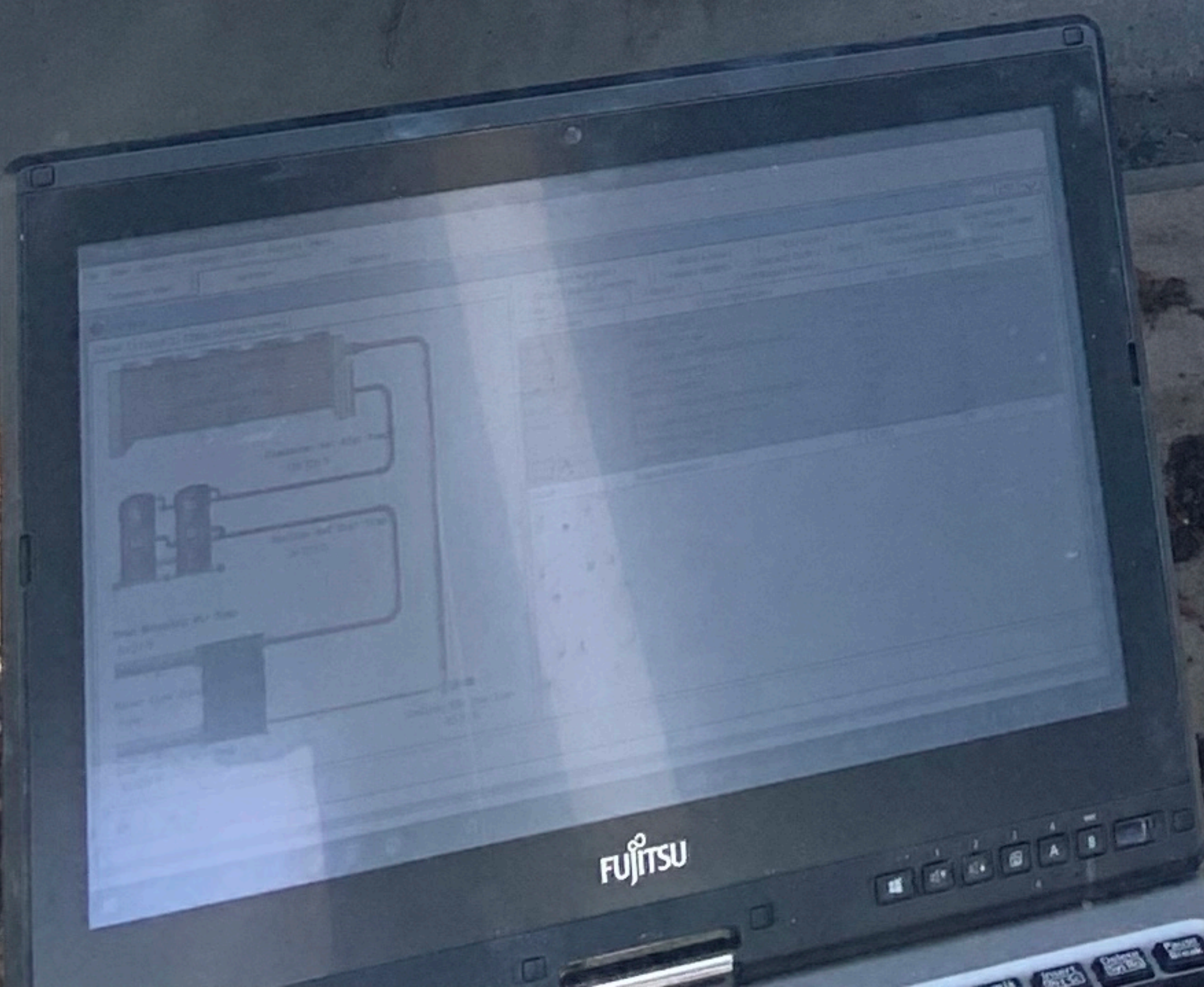
E-Mail: jeremiah.c.hood.mil@army.mil





NOTICE
INSTALLATION INSTRUCTIONS
READ CAREFULLY BEFORE INSTALLING
THIS UNIT. FAILURE TO FOLLOW THESE
INSTRUCTIONS MAY VOID THE WARRANTY.
FOR CONDUCTORS ONLY

TRANE
SHELLS COMPRESSOR
Model:
Part No:
Date:
By:
Check service per the
INSTALLATION INSTRUCTIONS
MANUALLY PROVIDED WITH THE UNIT.
FOR TECHNICAL DATA
SEE THE TRANE WEBSITE
WWW.TRANE.COM
REPRODUCTION OF THIS
DOCUMENT IS PROHIBITED



BILL TO:
TIDEW003
TIDEWATER, INC
6625 SELNICK DRIVE SUITE A
ELKRIDGE, MD 21075

SHIP TO:
8235892
USARC VA049 CHESTERFIELD
6700 STRATHMORE ROAD
NORTH CHESTERFIELD, VA 23237

<u>INVOICE DATE</u>	<u>CUSTOMER PO</u>	<u>PAYMENT TERMS</u>	<u>REFERENCE #</u>	<u>WORKORDER #</u>	<u>CONTRACT ID</u>
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09/12/2022

19209

Due in 30 Days

COM0187373

Pages 1 of 1						
<u>ITEM ID</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>SERV DATE</u>	<u>UNIT PRICE</u>	<u>EXT PRICE</u>	<u>TAX</u>
CLABOR-CHILL-REG	REGULAR HEAVY COMMERCIAL LABOR	6.00	9/7/2022	120.00	720.00	0.00
CREFRG-R410A	R410A per pound [25]	35.00		20.00	700.00	0.00
COILSL-SNOOP	SNOOP LEAK DETECTOR	1.00		22.06	22.06	0.00
CMISCX-CREDIT	CREDIT OVER NTE	1.00		0.00	-22.06	0.00

PO: 19209

NTE: \$1420

EARL WARE: Site Start - 8/31/2022

Arrived on site and checked in with Mark. Proceeded to the roof and checked the chiller where I found that the chiller had both circuits locked on on loss of charge alarm. Reset both circuits and checked operation. Found circuit #1 running with low refrigerant pressures and would lock out after 15 minutes or so of runtime. Checked circuit #2 and found that the suction line temp sensor was reading over 200 degrees, causing the control system to think it had high refrigerant superheat subsequently making it think it was low on refrigerant. I focused my attention back to circuit #1 and topped off the refrigerant charge in the circuit. I then checked the circuit for leaks using snoop leak detector. Found that the king valve at the discharge pressure transducer was leaking around the valve packing, I attempted to tighten the packing and was able to slow down the leak significantly, but, it still has a small leak and the valve will need to be replaced. I also found valve packing leaks at the king valves at the EEV's, I was able to tighten them and stopped the leaks.

I restored operation to circuit #1 and allowed to operate, I left site to obtain my computer with the trane software I needed to install a spare sensor that I found in the chiller. Returned to site and attempted to bind the spare sensor to the chiller software but could not get the software to accept the sensor. I called local vendor and sourced sensors, but will be here on Tuesday of next week.

While in the program of the chiller, I was able to adjust points that would allow the chiller to operate at full capacity until the parts arrive. Per Rick Hicks, this work order will be completed and the additional repairs will be done on another work order and billed to the Gov't directly as this work order has depleted the remaining 1420.00 left in the budget.

This work order is complete.

For questions regarding commercial invoices please contact our Accounts Receivables Department at 434-309-2480. Past 30 Days invoices are subject to 1.5% monthly interest charge. Additional charges for payments made by credit card may apply. We accept VISA, Master Card, Discover and American Express. Late payments sent to collections or legal process will also result in additional charges.

Sales Total	1,420.00
Disc.	0.00
Tax Total	0.00
Net Amount Due	\$1,420.00



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Billing Address	Site Address
Customer: TIDEWATER, INC Address: 6625 SELNICK DRIVE ELKRIDGE MD 21075 Phone: 614-623-9569	Customer: USARC VA049 CHESTERFIELD Address: 6700 STRATHMORE ROAD NORTH CHESTERFIELD VA 23237 Phone: 410-688-0142
Service Call #: COM0187373	Call Type: COM-HVAC

Service Requested
PO: 19209 NTE: \$1420 ETA: 8/31 SEV: urgent Chiller is offline -Building is hot- NTE \$1420 All funding is depleted

Problems					
Description	Tech	Equip. Desc and Model	Manufacturer	Equip. Serial	Asset ID
Chiller Down or Not Operating	EARLWARE				

Tech Notes
EARL WARE: Site Start - 8/31/2022 8:30 AM EARL WARE: Site Stop - 8/31/2022 5:30 PM Arrived on site and checked in with Mark. Proceeded to the roof and checked the chiller where I found that the chiller had both circuits locked on on loss of charge alarm. Reset both circuits and checked operation. Found circuit #1 running with low refrigerant pressures and would lock out after 15 minutes or so of runtime. Checked circuit #2 and found that the suction line temp sensor was reading over 200 degrees, causing the control system to think it had high refrigerant superheat subsequently making it think it was low on refrigerant. I focused my attention back to circuit #1 and topped off the refrigerant charge in the circuit. I then checked the circuit for leaks using snoop leak detector. Found that the king valve at the discharge pressure transducer was leaking around the valve packing, I attempted to tighten the packing and was able to slow down the leak significantly, but, it still has a small leak and the valve will need to be replaced. I also found valve packing leaks at the king valves at the EEV's, I was able to tighten them and stopped the leaks. I restored operation to circuit #1 and allowed to operate, I left site to obtain my computer with the trane software I needed to install a spare sensor that I found in the chiller. Returned to site and attempted to bind the spare sensor to the chiller software but could not get the software to accept the sensor. I called local vendor and sourced sensors, but will be here on Tuesday of next week. While in the program of the chiller, I was able to adjust points that would allow the chiller to operate at full capacity until the parts arrive. Per Rick Hicks, this work order will be completed and the additional repairs will be done on another work order and billed to the Gov't directly as this work order has depleted the remaining 1420.00 left in the budget. This work order is complete.

Labor			
Date	Technician	Description	Hours
9/7/2022	EARL WARE	REGULAR HEAVY COMMERCIAL LABOR	8.00

Materials			
Date	Part Number	Description	Quantity
9/7/2022	CREFRG-R410A	R410A per pound [25]	35.000
9/7/2022	COILSL-SNOOP	SNOOP LEAK DETECTOR	1.000

Signed By J Hood	Signature 	Date 9/7/2022
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