

Region: 5

Location: VA049

CSS #: 21615

Maximo Work Order No.: 11076

Asset #: NA

Date Issued: 10/01/19

Original Description:

Repair heater in OMS. CMI has this ticket marked as Completed (CSS17437). I sent an email inquiry explaining the situation of this ticket back to CMI to have this look at again. Note: this heater is on Natural Gas not propane.

Repairs Needed:

Labor and material needed to remove and replace the above system with (2) new Reznor 125k btu natural gas infrared radiant tube heaters. This includes connecting to existing electrical connections from the disconnect switch's to the new units, flue piping connections, gas piping connections, low voltage connections to the new t-stats, including installing new unit gas line regulators and a new shut off valve outside of the building as requested. Start, test, and ensure proper operation of the system.

RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
--	NA	Materials (see attached detail)	--	--	\$5,352.21	--	\$5,352.21
--	NA	Moore's Labor	57	120	--	--	\$6,840.00
--	NA	TW Oversite and Coordination	16	80	--	--	\$1,280.00

Estimate Summary:

Labor Hours	Labor	Materials	Equipment	Total Cost	CE Factor	Total Estimate
73	\$8,120.00	\$5,352.21	\$0.00	\$13,472.21	100%	\$13,472.21



P.O. Box 119 • Altavista, VA 24517 • 24 Hour Service: 800.789.7199 • Fax: 888.722.2712 • MooresElectric.com

Proposal

December 30, 2019

Quotes are valid for 30 days.

USARC - VA # 049
6700 Strathmore Rd.
N. Chesterfield, VA 23237
Email

CSS-21615
tina.lee@tideh2o.net

Contact Name
Telephone
Cell Phone
Fax Number

Tina Lee & Adam Colopy
614-623-9569

DESCRIPTION OF EQUIPMENT:

OMS Shop Area (1993 Heaters)
Two- 125k btu Ambi-Rad Infrared Radiant Tube Heaters
M# ISC38545 S#00025642616

DESCRIPTION OF PROBLEM:

Customer requested replacement of the heaters to natural gas units with new tubes, gas shut off and regulator.

DESCRIPTION OF REPAIRS:

To remove and replace the above system with **(2) new Reznor 125k btu natural gas infrared radiant tube heaters**. This includes connecting to existing electrical connections from the disconnect switch's to the new units, flue piping connections, gas piping connections, low voltage connections to the new t-stats, including installing new unit gas line regulators and a new shut off valve outside of the building as requested.

Start, test, and ensure proper operation of the system.

***** UNIT COMES WITH A ONE YEAR PARTS AND LABOR WARRANTY*****

***** There will be two men required due to our safety policy and amount of work needed. *****

NOTE: A SCISSOR LIFT WILL BE REQUIRED TO INSTALL THE NEW HEATERS.

NOTE: QUOTE INCLUDES INSTALLING A NEW SHUT OFF AND REGULATOR EXTERNAL OF THE BUILDING AS REQUESTED.

NOTE: EQUIPMENT LEAD TIME IS SUBJECT TO CHANGE BASED ON STOCK.

NOTE: EQUIPMENT LEAD TIME IS 3-4 WEEKS.

Exclusions:

- Any and all fire alarm wiring/connecting and/or coordination
- Engineering or drawings for permit and/or Structural load calculations
- Hazardous material testing, abatement or disposal • Smoke detectors
- Roof cutting or patching and/or structural modifications
- Temporary heating or cooling • Air test and balance • Overtime

MATERIAL, EQUIP OR PARTS

	Quantity		Sell price
Equipment M# SP-NVPS125	2.00	\$	3,792.06
2" Gas Line Shut Off #FNW100AK	1.00	\$	115.45
Regulator M#490N57	1.00	\$	249.70
Scissor Lift	1.00	\$	720.00
S&H	1.00	\$	420.00
Trip Charge	1.00	\$	55.00
Material Total		\$	5,352.21

LABOR ITEMIZED

			Labor
Labor - Incurred	1	\$ 120.00	\$ 120.00
Labor First Man	28	\$ 120.00	\$ 3,360.00
Labor Second Man	28	\$ 120.00	\$ 3,360.00
		Labor Total	\$ 6,840.00

Thank you for your business. If you have any questions or concerns, please feel free to contact us via telephone or quotes@mooreselectric.com

Materials	\$	5,352.21
Labor	\$	6,840.00

Robert Lowery, Changeout Estimator 434-309-2591
Amy Hockaday, Estimator 434-309-2569
James Davis, Estimator 434-309-2568
Adam Barker, Estimator 434-369-3514
Jared Underwood, Estimator 434-306-2446

TOTAL \$ **12,192.21**

Approved by: _____

Standard Terms and Conditions

Payments past 30 days are subject to 1.5% monthly service charge on unpaid balance. Additional charges for payments made through credit cards may apply. Late payments sent to collections or legal process the purchaser agrees to pay all costs, expenses, and reasonable attorney fees.

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FERGUSON ENTERPRISES HVAC #461
Price Quotation
Phone: 434-316-9701
Fax: 434-316-9706
Bid No: B421179
Bid Date: 12/23/19
Quoted By: DRH

Cust Phone: 434-369-4374
Terms: NET 10TH PROX

Customer: MOORES ELECT & MECH CONST
P O BOX 119
ALTAVISTA, VA 24517

Ship To: MOORES ELECT & MECH CONST
P O BOX 119
ALTAVISTA, VA 24517
Cust PO#:**Job Name:** USARC VA049

Item	Description	Quantity	Net Price	UM	Total
	EXISTING AMBIRAD RADIANT TUBE HEATERS - TSC38545 WITH 40' OF TUBE QUOTING NEW REZNOR INFRARE TUBE HEATERS VPS MODEL WITH VENT CAP, 50' CHAIN TURNBUCKLE KIT 40' L 1 STG STAT, 40' TUBE PACK SPARK IGNITION LEAD TIME IS 3-4 WEEKS FREIGHT ESTIMATE \$350 ---- ----				
SP-NVPS125	125K GAS FIRED TUBE HEATER SUBTOTAL	2	1580.025	EA	3160.05 3160.05
				Net Total:	\$3160.05
				Tax:	\$186.03
				Freight:	\$350.00
				Total:	\$3696.08

HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1881&on=92125>

Fax: 434-316-9706

09:37:06 DEC 23 2019

Reference No: B421179

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>

Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.

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<https://survey.medallia.com/?bidsorder&fc=1881&on=92125>

09:33:19 DEC 30 2019

Page 1 of 1

FERGUSON ENTERPRISES HVAC #461

Price Quotation

Phone: 434-316-9701
Fax: 434-316-9706

Bid No: B421638
Bid Date: 12/30/19
Quoted By: DRH

Cust Phone: 434-369-4374
Terms: NET 10TH PROX

Customer: MOORES ELECT & MECH CONST
P O BOX 119
ALTAVISTA, VA 24517

Ship To: MOORES ELECT & MECH CONST
P O BOX 119
ALTAVISTA, VA 24517

Cust PO#:

Job Name: GAS SHUT OFF VLV

Item	Description	Quantity	Net Price	UM	Total
FNW100AK	2 SS 1000# THRD 1PC RP BV LL	1	96.210	EA	96.21
Net Total:					\$96.21
Tax:					\$5.10
Freight:					\$0.00
Total:					\$101.31

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

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AMBI-RAD

TUBULAR INFRARED RADIANT HEATER

MODEL No

TSC38545

SERIAL No

00025642616

INPUT RATE (Btu/h)

130,000

2,000 ft *

HEATER EQUIPED FOR

LP

GAS. MANIFOLD PRESS. IN. W.G.

10

MIN. GAS SUPPLY PRESSURE

12

IN. W.G.

GAS ORIFICE

3.6 mm

CLEARANCE FROM COMBUSTIBLE CONSTRUCTION

SIDES

30

IN.

BELLO

72

IN.

ABOVE

12

IN.

SEE INSTALLATION INSTRUCTIONS FOR DETAILS

APPROVAL No

Z83.6 - 1993

1. 120 VOLTS 60 Hz LESS THAN 12 Amps
2. FOR EITHER INDOOR OR OUTDOOR INSTALLATION
3. INSTALLATION IN AIRCRAFT HANGERS & PUBLIC GARAGES IN ACCORDANCE WITH CAN 1-B149.2 or NFPA408-1985 & NFPA88A-1985 / NFPA88B-1985 (PARKING STRUCTURES / REPAIR GARAGES)
4. THIS APPLIANCE CAN BE INSTALLED IN VARIABLE CONFIGURATIONS AS SPECIFIED IN THE INSTALLATION INSTRUCTIONS
5. FOR HORIZONTAL VENT USE TERMINAL V-0700 4" DIA, 12ft MAX V-0800 6" DIA, 25ft MAX. BOTH PLUS 2 x 90deg BENDS, MIN LENGTH N/A
6. FOR USE WITH NATURAL GAS OR PROPANE. A CONVERSION KIT AS SUPPLIED

BY THE MANUFACTURER SHALL BE USED TO CONVERT THIS HEATER TO THE ALTERNATE FUEL
* MUST BE DE-RATED AT ALTITUDES OVER 2,000 ft REFER TO INSTALLATION

INSTRUCTIONS FOR DETAILS

RADIANT SYSTEMS

P.O. BOX 33666

RALEIGH

NORTH CAROLINA 27636

TEL: 001 919 836 1627

FAX: 001 919 834 4526

AMBI-RAD LIMITED

FENS POOL AVENUE, WALLOWS INDUSTRIAL ESTATE,
BRIERLEY HILL, WEST MIDLANDS, DY5 1QA, ENGLAND

TEL: 01384 489700

FAX: 01384 489707

1-800-542-7221
HEATER SERIAL #
422-05

AMBI-RAD TUBULAR INFRARED RADIANT HEATER

MODEL No ISC38545

SERIAL No 00025642615 INPUT RATE (Btu/h) 130,000 2,000 ft³
HEATER EQUIPPED FOR LP GAS. MANIFOLD PRESS. IN. W.G. 10
MIN. GAS SUPPLY PRESSURE 12 IN. W.G. GAS ORIFICE 3.6 MM

CLEARANCE FROM COMBUSTIBLE CONSTRUCTION

SIDES 30 IN. BELOW 72 IN. ABOVE 12 IN.

INSTALL HORIZONTALLY

SEE INSTALLATION INSTRUCTIONS FOR DETAILS

APPROVAL No 283.6-1993

1. 120 VOLTS 60 Hz LESS THAN 12 Amps
2. FOR EITHER INDOOR OR OUTDOOR INSTALLATION
3. INSTALLATION IN AIRCRAFT HANGERS & PUBLIC GARAGES IN ACCORDANCE WITH CAN/CSA-B149.2 & NFPA58-1985 & NFPA58A-1985 / NFPA58B-1985. (PARKING STRUCTURES / REPAIR GARAGES)
4. THIS APPLIANCE CAN BE INSTALLED IN VARIABLE CONFIGURATIONS AS SPECIFIED IN THE INSTALLATION INSTRUCTIONS
5. FOR HORIZONTAL VENT USE TERMINAL V-0700 4" DIA. 12" MAX V-0800 8" DIA. 20" MAX. BOTH PLUS 2" SWING SERIES. MIN LENGTH 10"
6. FOR USE WITH NATURAL GAS OR PROPANE. A CONVERSION KIT AS SUPPLIED
7. THE MANUFACTURER SHALL BE USED TO CONVERT THIS HEATER TO THE ALTERNATE FUEL
8. MUST BE DE-RATED AT ALTITUDES OVER 2,000 ft. REFER TO INSTALLATION

INSTRUCTIONS FOR DETAILS

RADIANT SYSTEMS
P.O. BOX 33666
RALEIGH
NORTH CAROLINA 27636
TEL: 901 919 836 1627
FAX: 901 919 834 4526

AMBI-RAD LIMITED
FENS POOL AVENUE, WALKERS INDUSTRIAL ESTATE
BRIERLEY HILL, WEST MIDLANDS, DY5 1GA, ENGLAND
TEL: 01384 489700
FAX: 01384 489707