

Region: 5

Location: VA049

CSS #: 31389

Maximo Work Order No.: 14679

Asset #: NA

Date Issued: 8/2/21

Original Description: Replace bad gas valve on #4 boiler. Replace faulty control board on #1 boiler. Replace igniters and flame rod sensors that detect flame. Moore's needs time to troubleshoot Building Automation, with the AHU-Zone dampers not controlling

Repairs Needed:

Moore's proposes to install a new control board, ignitor, flame rod and harnesses in Boiler #1. Program new board and start and test operations. Remove and replace the gas valve in Boiler #4. Start and test operations. Remove and replace the flame rod and ignitor in Boiler #2. Start and test operations. Log into "Alerton BAS" and determine why the zone actuators are performing in reverse of normal operations. Confirm that all sensors are reading accurately, verify pump operations and lead/lag control is programmed and in use.

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)	--	--	\$2,943.66	--	\$2,943.66
--	NA	Moore's Labor (4 men)	12	\$120.00	--	--	\$1,440.00
--	NA	TW Coordination and Onsite Labor	8	\$80.00	--	--	\$640.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
20	\$2,080.00	\$2,943.66		\$5,023.66	106%	\$5,325.08



24 Hour Service: 800.789.7199
Fax: 888.722.2712
Moore'sElectric.com
Corporate Office:
101 Edgewood Avenue • Altavista, VA 24517

Over 100 Technicians Serving the Entire States of Virginia & North Carolina | Lynchburg | Charlottesville | Chesapeake | Richmond | Manassas | Charlotte | Raleigh | Reidsville

Proposal

August 2, 2021

Quotes are valid for 30 days.

USARC - VA049 - 80th Command Building
6700 Strathmore Rd North Chesterfield VA 23237
PO:
Email

Mary.Lowery@tideh2o.net / adam.colopy@tideh2o.net

Contact Name Mary Lowery / Adam Colopy
Telephone 0.00
Cell Phone 410-967-5346
Fax Number 0.00

DESCRIPTION OF EQUIPMENT:

Boilers #1,2,4
Alerton BAS

DESCRIPTION OF PROBLEM:

Technician recommends that Boilers #1,2,4 need to have new flame rods and ignitors installed due to extended use of the boilers. The age of the boilers puts these items past their recommended service intervals of 2 years. Boiler #1 also has a failed main board, due to its age and multiple versions of the board since the boiler was new, this will require not only a new board but a new wiring harnesses as well. Boiler #4 has a failed gas valve that is preventing the boiler from firing. Technician also found issues with the BAS system that is preventing correct heating and cooling operations.

DESCRIPTION OF REPAIRS:

Moore's is proposing to install a new control board, ignitor, flame rod and harnesses in Boiler #1. Program new board and start and test operations. Remove and replace the gas valve in Boiler #4. Start and test operations. Remove and replace the flame rod and ignitor in Boiler #2. Start and test operations. Log into "Alerton BAS" and determine why the zone actuators are performing in reverse of normal operations. Confirm that all sensors are reading accurately, verify pump operations and lead/lag control is programmed and in use.

MATERIAL, EQUIP OR PARTS

	Quantity	Sell price
Board Upgrade, Harness, Display	1.00	\$ 1,190.00
OEM Gas Valve	1.00	\$ 784.82
Flame Rod	3.00	\$ 128.98
Ignitors	3.00	\$ 113.03
Freight	1.00	\$ 159.00
Taco Cast Iron Pump	1.00	\$ 512.22
Trip Charge	1.00	\$ 55.00
Material Total		\$ 2,943.66

LABOR ITEMIZED

		Labor
Labor - One Man	12 hrs. \$ 120.00	\$ 1,440.00
Labor - Second Man		\$ -
Labor - Third Man		\$ -
Labor - Fourth Man		\$ -
Labor Total		\$ 1,440.00

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	\$ 2,943.66
Labor	\$ 1,440.00
TOTAL	\$ 4,383.66

*This does not include
original call cost.*

Jared Underwood, Estimating Manager 434-309-2446
Ian Harris, Estimator 434-309-2497
James Davis, Estimator 434-309-2568
Marvin Slaughter, Estimator 434-369-3514

Approved by: _____

ORDER ACKNOWLEDGEMENT

Southern Refrigeration Corporation
2314-C Dabney Rd.
Richmond, VA 23230
US

Order Number	
10254272	
Order Date	Page
7/30/2021 15:06:59	1 of 1

Bill To:

MOORE'S ELECTRIC
PO BOX 119
ALTAVISTA , VA 24517
US

Ship To:

MOORE'S ELECTRIC
1157 Azalea Ave.
Richmond, VA 23227
US

Ordered By:

Customer ID: 13336

<i>PO Number</i>					<i>Taker</i>				
MS262566					CLAWRENCE				
<i>Quantities</i>					<i>Item ID</i>	<i>Pricing</i>	<i>Unit</i>	<i>Extended</i>	
<i>Ordered</i>	<i>Allocated</i>	<i>Remaining</i>	<i>UOM</i>	<i>Disp.</i>	<i>Item Description</i>	<i>UOM</i>	<i>Price</i>	<i>Price</i>	

CALL EARL

1	0	1	EA	S	2400-20-3P	EA	402.69	402.69	
TACO CAST IRON PUMP									

Total Lines: 1

SUB-TOTAL: 402.69
TAX: 24.17
AMOUNT TENDERED : 0.00
AMOUNT DUE: 426.86
U.S. Dollars

****Quote Expiration**** - Prices from manufacturers can potentially change daily so we cannot guarantee pricing for all commodities. We can only secure prices for in stock items only.

RUN DATE: 7/30/21

CUST PH # 434-369-4374
CUST FAX # 434-369-2230

DATE: 7/30/21
TIME: 3:28:09 PM ET
SALE TYPE: CHARGE
** QUOTE **
PAGE: 1 OF 1
ORDER#: 448702 N
ORDER TYPE:
FED. I.D.#: 46-2354418
PHONE: 804-672-0202



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R.E. MICHEL COMPANY LLC RICHMOND , VA 232943631

CHG WC

YOUR ACCOUNT NO. IS	430920	QUOTE
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MOORE'S ELECTRIC
PO BOX 119
ALTAVISTA, VA 24517-0119

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MOORE'S ELECTRIC
PO BOX 119
ALTAVISTA, VA 24517-0119

QUOTE NUMBER	CUSTOMER ORDER NUMBER	SALESMAN	SHIP VIA	
44870200	MS262303	951890	CPU	

Quantity Ordered	Quantity Shipped	Back Ordered	Stock Number	Description	Unit Price	Extended Price
				DUE TO CURRENT VOLATILE MARKET CONDITIONS, PRICING SUBJECT TO ANY PRICE INCREASE TO/AT TIME OF SHIPMENT. TAX AND FREIGHT NOT INCLUDED.		
3	3	0	2W7850	ALPINE 103005-01	29.62	88.86
				IGNITOR & GASKET KIT		
3	3	0	2W7853	103339-01 BURNHAM REPAIR KIT	33.80	101.40
				FLAME SENSOR/GASKET,ALP80-500		
1	1	0	106459-01.	CONTROL BOARD UPGRADE KIT	936.01	936.01
1	1	0	108880-01	GAS VALVE HARNESS	55.16	55.16
				ALP399F		
1	1	0	2W632P	GAS VALVE FOR ALP399	617.64	617.64
1	1	0	FRTIN	FREIGHT IN TAXABLE	145.00	145.00
COMBINE WITH SPECIAL ORDER ANOTHER INVOICE (SAME PO)				ITEMS BEING NEXT DAY AIRED IN EARL 434 473 2896		

** CONTINUED **

Counterperson:

Tax Certificate Number

Sub Total

Sales Tax

FREIGHT

TOTAL

A Family Company Since 1935

CUST PH # 434-369-4374
CUST FAX # 434-369-2230

DATE: 7/30/21
TIME: 3:28:09 PM ET
SALE TYPE: CHARGE
** QUOTE **
PAGE: 2 OF 1
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CHG WC

YOUR ACCOUNT NO. IS

430920

QUOTE

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MOORE'S ELECTRIC
PO BOX 119
ALTAVISTA, VA 24517-0119

SH-TO

MOORE'S ELECTRIC
PO BOX 119
ALTAVISTA, VA 24517-0119

QUOTE NUMBER	CUSTOMER ORDER NUMBER	SALESMAN	SHIP VIA	
44870200	MS262303	951890	CPU	

Quantity Ordered	Quantity Shipped	Back Ordered	Stock Number	Description	Unit Price	Extended Price
* * * *	* * * * * *	* * * *	* * * * * * OK TO GIVE PRICED COPY TO TECH	* *	* * * * * * * * * *	

Counterperson: JSHAFFER
VA087 0000

Tax Certificate Number

Sub Total	
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1944.07

Sales Tax

116.64

FREIGHT

2060.71

TOTAL	100
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2060.71

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**** This is NOT an invoice ****

**** DO NOT sign this document as a receipt ****