

### Over and Above Estimate

**Region:** 5

**Location:** VA009

**CSS #:** 16717

**Maximo Work Order No.:** 6849

**Asset#:** NA

**Date Issued:** 1/9/19

**Original Description:** While on site our tech Doug Eby found the unit has a failed control board. The parts are no longer available. Therefore a replacement is required.

**Diagnosis:** To remove and replace the above unit with a new LG 12,000btu mini split wall mounted system. Moore's will make all connections from the old unit to the new unit. This includes connecting to existing electrical connections from the new disconnect to the new unit, low voltage connections, including running new refrigerant lines and drain line with condensate pump. Start, test, and ensure proper operation of the system.

#### Non Pre-Priced Estimate:

Quantity	Line Item Number	Description	Labor Hours	Unit	Labor	Materials	Equipment	Total
1		LG 12k 120v Inverter M# LSN120HSV5 Condenser				\$1,069.01		\$1,069.01
1		LG 12k 120v Inverter M# LSU120HSV5 Wall Unit				\$660.32		\$660.32

1		Disconnect M# D221NRB			\$72.50		\$72.50
1		Fuses M# ECNR30			\$34.29		\$34.29
1		Elec. Whip M# 6-34-6NM			\$41.09		\$41.09
1		50' Comm. Wire M# 6332B			\$80.85		\$80.85
1		Disconnect Whip M#6-12-6NMSP			\$13.18		\$13.18
1		Weatherproof Outlet Cover M# MG420C			\$33.07		\$33.07
1		GFCI Outlet M# GFRST15W3Z			\$56.41		\$56.41
1		Condensate Pump M# ASP-MA-UNIT			\$178.08		\$178.08
1		50' Refrigerant Piping M# D61020500B3B6			\$190.80		\$190.80
1		Torch, Vacuum & Nitrogen FEE			\$108.12		\$108.12
1		Slim Duct Kit M# SDK-100-W			\$103.03		\$103.03

1		EPDM Adhesive M# EPDM-LG-BA10-1			\$58.70		\$58.70
1		EPDM Flashing Boot M# 309991-43			\$53.84		\$53.84
1		Sealant M# Sonolastic-150W			\$15.68		\$15.68
1		PVC Glue & Primer Part # 89255			\$16.40		\$16.40
1		6" PVC SCH 40 45 Degree M# PVC003261400			\$47.85		\$47.85
1		6" PVC Pipe SCH 40 M# PVC 046000600			\$11.42		\$11.42
1		Permit			\$699.60		\$699.60
1		Final Inspection Fee			\$300.00		\$300.00
1		Shipping			\$95.40		\$95.40
1		Truck Fee			\$55.00		\$55.00

*Note: RS Means (Pre-Priced) not used in compiling this estimate.*

*Note: Subcontractor quote attached.*

**Estimate Summary:**

<b>Labor Hours</b>	<b>Labor Cost</b>	<b>Material Cost</b>	<b>Equipment Cost</b>	<b>Total Cost</b>	<b>CE Factor</b>	<b>Total Estimate</b>
<p>2x\$120.00= \$240.00 (Incurred)</p> <p>1<sup>st</sup> man- 14 x \$120= \$1,680.00</p> <p>2<sup>nd</sup> man- 14 x \$120= \$1,680.00</p>	\$3,600	\$3,954.85		\$7,554.85	102%	\$7,705.95- 250(CM Credit)= 7,455.85

**Please see attached estimate**

**Note:**



P.O. Box 119 • Altavista, VA 24517 • 24 Hour Service: 800.789.7199 • Fax: 888.722.2712 • [MooreElectric.com](http://MooreElectric.com)

## Proposal

March 15, 2019

*Quotes are valid for 30 days.*

International Support Group- VA009  
3502 Bennet Creek Park Rd  
Suffolk, VA 23345  
Email [tcraig@internationalsupportgroup.com](mailto:tcraig@internationalsupportgroup.com)

Contact Name Troy Craig  
Telephone 804-585-5211  
Cell Phone 954-900-1095  
Fax Number

### DESCRIPTION OF EQUIPMENT:

**Server Room Mini Split  
Enviromaster International-(1997 Unit)**  
M# WHP12A050AA000A S# 1-97-J-2718-37

### DESCRIPTION OF PROBLEM:

While on site our tech Doug Eby found the unit has a failed control board. The parts are no longer available. Therefore a replacement is required.

### DESCRIPTION OF REPAIRS:

To remove and replace the above unit with a new **LG 12,000btu mini split wall mounted system**. Moore's will make all connections from the old unit to the new unit. This includes connecting to existing electrical connections from the new disconnect to the new unit, low voltage connections, including running new refrigerant lines and drain line with condensate pump. Start, test, and ensure proper operation of the system.

**\*\*\* UNIT COMES WITH A ONE YEAR PARTS AND LABOR WARRANTY AND FIVE YEAR COMPRESSOR PART WARRANTY.\*\*\***

**\*\*\* There will be two men required on this job due to our safety policy and the amount of work needed.\*\*\***

**NOTE: WORK CANNOT BEGIN UNTIL PERMIT HAS BEEN ISSUED.**

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

**NOTE: THE LEAD TIME ON THE EQUIPMENT IS 7-10 BUSINESS DAYS.**

**NOTE: EQUIPMENT BRAND IS LG AND MODEL # LSN120HSV5 & #LSU120HSV5**

Exclusions:

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

MATERIAL, EQUIP OR PARTS	Quantity	Sell price
LG 12k 120v Inverter M# LSN120HSV5 Condenser	1.00	\$ 1,069.01
LG 12k 120v Inverter M# LSU120HSV5 Wall Unit	1.00	\$ 660.32
Disconnect M# D221NRB	1.00	\$ 72.50
Fuses M# ECNR30	2.00	\$ 34.29
Elec. Whip M# 6-34-6NM	1.00	\$ 41.09
50' Comm. Wire M# 6332B	1.00	\$ 80.85
Disconnect Whip M#6-12-6NMSP	1.00	\$ 13.18
Weatherproof Outlet Cover M# MG420C	1.00	\$ 33.07
GFCI Outlet M# GFRST15W3Z	1.00	\$ 56.41
Condensate Pump M# ASP-MA-UNIT	1.00	\$ 178.08
50' Refrigerant Piping M# D61020500B3B6	1.00	\$ 190.80
Torch, Vacuum & Nitrogen FEE	1.00	\$ 108.12
Slim Duct Kit M# SDK-100-W	1.00	\$ 103.03
EPDM Adhesive M# EPDM-LG-BA10-1	1.00	\$ 58.70
EPDM Flashing Boot M# 309991-43	1.00	\$ 53.84
Sealant M# Sonolastic-150W	1.00	\$ 15.68
PVC Glue & Primer Part # 89255	1.00	\$ 16.40
6" PVC SCH 40 45 Degree M# PVC003261400	2.00	\$ 47.85
6" PVC Pipe SCH 40 M# PVC 046000600	1.00	\$ 11.42
Permit	1.00	\$ 699.60
Final Inspection Fee	1.00	\$ 300.00
S&H	1.00	\$ 95.40
Truck Fee	1.00	\$ 55.00
<b>Material Total</b>		<b>\$ 3,954.85</b>

### LABOR ITEMIZED

		Rate	Price	Labor
<b>Incurred Labor</b>	2	\$ 120.00	\$ 240.00	
Labor - One Man	14	\$ 120.00	\$ 1,680.00	
Labor - Second Man	14	\$ 120.00	\$ 1,680.00	
<b>Labor Total</b>			<b>\$ 3,600.00</b>	

Thank you for your business. If you have any questions or concerns, please feel free to contact us via telephone or [quotes@mooreelectric.com](mailto:quotes@mooreelectric.com)

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	<b>TOTAL</b>	\$ 7,554.85
<i>This does not include original call cost.</i>		

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.

**CERTIFICATION OF WORK**  
(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: VA049 Date of Visit: 1/28/19

Contractor Personnel on Site:

1. DOUGLAS EBY 2. \_\_\_\_\_

**Work Performed:**

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

1. WO# NONE

**Service Calls** – Service Call Number and Description

1. CSS# 16717  
2. CSS# \_\_\_\_\_  
3. CSS# \_\_\_\_\_

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**CERTIFICATION OF WORK**

To be signed by the Contractor:

Print Name: DOUGLAS EBY Date: 1/28/2019

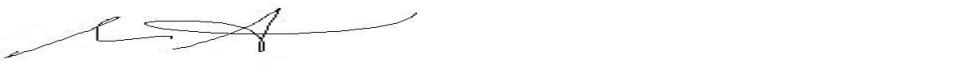


Signed: \_\_\_\_\_

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: SFC St. Myer Date: 1/28/2019



Signed: \_\_\_\_\_

# QUOTATION

Southern Refrigeration Corporation  
1620 Wythe Rd.  
Lynchburg, VA 24501  
434-846-6028

Order Number	
1596587	
Order Date	Page
1/30/2019 16:21:05	1 of 1

Quote Expires On 3/1/2019

**Bill To:**

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

**Ship To:**

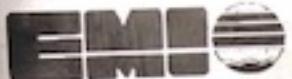
MOORE'S ELECTRIC  
101 EDGEWOOD AVE  
ALTAVISTA , VA 24517  
US

Requested By: ROBERT LOWERY

**Customer ID:** 13336

PO Number					Taker			
ISG VA 009					MMOORE			
Quantities					Item ID	Pricing	Unit	Extended
Ordered	Allocated	Remaining	UOM	Disp.	Item Description	UOM	Price	Price
1	0	1	EA		LSU120HSV5	EA	840.42	840.42
					LG 12K STANDARD OUTDOOR UNIT USE WITH LAN AND LSN			
1	0	1	EA		LSN120HSV5	EA	519.12	519.12
					LG 12K STANDARD WALL CAN BE USED FOR SINGLE OR MULTI ZONE			
1	0	1	EA		ASP-MW-UNI	EA	134.33	134.33
					ASPEN MINI WHITE PUMP 115-230 Surface mount. Installs exposed below evaporator.			
1	0	1	EA		D40620500B3B6	EA	124.37	124.37
					1/2W 3/8 SL X 1/4 LL 50 FT			
<i>Total Lines: 4</i>					<b>SUB-TOTAL:</b>	1,618.24		
					<b>TAX:</b>	85.76		
					<b>AMOUNT DUE:</b>	1,704.00		
					<i>U.S. Dollars</i>			

ANSI/UL-1995 C  
95985 CERTIFIED TO  
CAN/CSA C22.2 NO. 236



FAN COIL UNIT

\* ROME, NEW YORK, U. S. A. \*

MODEL NO.: WHP12A050AA000A

VOLTS 115 Hz 60 PH 1

FAN MOTOR FLA: 0.64

FAN MOTOR HP: 0.03

ELECTRIC HEATER AMPS:

TOTAL AMPS: .64

MINIMUM CIRCUIT AMPACITY: 0.8

MINIMUM VOLTAGE: 104

REFRIGERANT R-22 CHARGE: 0Z

MAX TIME DELAY FUSE OR HACR CIRCUIT BREAKER SIZE: 15 A

SN: 1-97-J-2718-37

DESIGN PRESSURE

PSIG HIGH SIDE: 300

PSIG LOW SIDE: 150



WHP12A050AA000A