

**Region:** 5

**Location:** MD003

**CSS #:** 13614

**Maximo Work Order No.:** 4400

**Asset #:** 1887

**Date Issued:** 09/10/19

**Original Description:** The A/C for Zone #12 (across from 2nd floor class rooms) is not cooling. System needs to be troubleshoot and repaired. I submitted as urgent due to the high humidity and concerns of mildew growth.

**Repairs Needed:**

S&S proposes to remove and replace the AC indoor and outdoor unit in Zone 12. Charge the system with refrigerant and check all system functions to ensure working properly. To make this unit 5 Star Energy rated you must use a conventional air handler and outdoor unit. The space pak a high velocity air handler is specifically designed per application. The conventional air handler cannot support the buildings space pak duct work. This makes changing systems to 5 Star Energy not cost effective for minimal energy savings.

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

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
1	NA	See detail for parts in quote	--	--	\$5,714.44	--	\$ 5,714.44
1		Shipping	--	--	\$100.00	--	\$ 100.00
--	NA	Labor SS Mechanical	44	\$100.00	--	--	\$ 4,400.00
	NA	TWI Oversite and Coordination	8	\$80.00	--	--	\$ 640.00
1	NA	Diagnostic					\$ 450.00
1	NA	TAX	--	--	--	--	\$ 285.73

**Estimate Summary:**

Labor Hours	Labor Cost	Material Cost		Total Cost	CE Factor	Total Estimate
52	\$ 5,490.00	\$ 6,100.17		\$11,590.17	106%	\$12,285.58



# S&S MECHANICAL

S&S Mechanical

Location: Newark AFRC

1001 Ogletown Road  
Newark, DE 19711

Proposal Submitted to: Adam Colopy

Project: MD003 WO# 4400 Replacement

Office # 301-574-1555

Fax # 301-574-1558

[seth@sandsmidatlantic.com](mailto:seth@sandsmidatlantic.com)  
[sandsmidatlantic.com](http://sandsmidatlantic.com)

**Diagnostic Total: \$450.00**

S&S proposes to come out to remove and replace the AC indoor and outdoor unit in Zone 12. S&S will then charge the system with refrigerant and check all system functions to ensure working properly. To make this unit 5-star energy rated you must use a conventional air handler and outdoor unit. The space pak a high velocity air handler is specifically designed per application. The conventional air handler cannot support the buildings space pak duct work. This makes changing systems to five start energy not cost effective for a minimal energy savings.

**Materials: \$6,100.17**

Indoor Unit /B60-065/ \$2,964.40

Outdoor Unit /B77-431/ \$2,004.79

Refrigerant /1R006/ \$157.50

Line Sets /169659/ \$495.91

Coupling 3/8" /18767/ \$0.79

Coupling 7/8" /20016/ \$1.71

Thermostat Cable /47508/ \$89.34

Tax: \$285.73

Shipping: \$100.00

**Labor: \$4,400.00**

2 HVAC Technician/44Hours/\$100.00 rate

**Full estimated total: \$10,950.17**

Payments to be made as follows: 15 days upon approved invoice

Respectfully submitted: Brian Davis/Lindsay Ruby                    Dated: 09/09/19



JOHNSTONE ANNAPOLIS  
1981 MORELAND PKWY, SUITE 101  
ANNAPOLIS, MD 21401  
410-280-0101  
Fax 410-280-0104

## Quotation

EXPIRATION DATE	QUOTE NUMBER
11/02/2019	100-100720825
JOHNSTONE ANNAPOLIS 1981 MORELAND PKWY, SUITE 101 ANNAPOLIS, MD 21401 410-280-0101 Fax 410-280-0104	PAGE NO.
	1 of 1

QUOTE TO:

S&S MECHANICAL  
4845 SOUTH CRAIN HIGHWAY  
UPPER MARLBORO, MD 20772

SHIP TO:

S&S MECHANICAL  
4845 SOUTH CRAIN HIGHWAY  
UPPER MARLBORO, MD 20772

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON
14831	Spacepak 14 seer			
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Nick Gardiner - Broo 56	BEST WAY	Cash on Delivery	09/03/2019	No
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
1ea	B60-065 45ESP4860JV4MA 5T FAN COIL * Non Returnable / Non refundable Pn: 202589	2470.331/ea	2470.33	
1ea	B77-431 TC4B6021S CONDENSING UNIT COLEMAN 14SEER 11.7EER 5T SINGLE PHASE 208/230V R410A Pn: 184038	1670.663/ea	1670.66	
<b>Quotation Valid For 20 Days.</b>		Subtotal	4140.99	
		S&H Charges	0.00	
		Estimated Tax	248.46	
		Amount Due	4389.45	



JOHNSTONE ANNAPOLIS  
1981 MORELAND PKWY, SUITE 101  
ANNAPOLIS, MD 21401  
410-280-0101  
Fax 410-280-0104

## Quotation

EXPIRATION DATE	QUOTE NUMBER
11/08/2019	100-100722318
JOHNSTONE ANNAPOLIS 1981 MORELAND PKWY, SUITE 101 ANNAPOLIS, MD 21401 410-280-0101 Fax 410-280-0104	PAGE NO.
	1 of 1

QUOTE TO:

S&S MECHANICAL  
4845 SOUTH CRAIN HIGHWAY  
UPPER MARLBORO, MD 20772

SHIP TO:

S&S MECHANICAL  
4845 SOUTH CRAIN HIGHWAY  
UPPER MARLBORO, MD 20772

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON
14831	MD003			
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Jimmy Schropp x43 Anna	PICK UP	Cash on Delivery	09/09/2019	No
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
2ea	B75-244 61480500 LINE SET STANDARD 3/8IN 7/8IN 3/8IN 50FT STRAIGHT END Pn: 169659	206.632/ea	413.26	
1ea	R56-607 W01009V COUPLING COPPER 3/8IN OD 1/4IN NOM ROLLED STOP C X C Pn: 18767	0.660/ea	0.66	
1ea	R56-611 W01034V COUPLING COPPER 7/8IN OD 3/4IN NOM ROLLED STOP C X C Pn: 20016	1.425/ea	1.43	
1ea	G80-225 55308J407 WIRE THERMOSTAT 18-8 Pn: 47508	74.450/ea	74.45	
<b>Quotation Valid For 20 Days.</b>		Subtotal	489.80	
		S&H Charges	0.00	
		Estimated Tax	29.39	
		Amount Due	519.19	

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 \* A C K N O W L E D G E M E N T - Quote Order \*  
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ANNA AIRECO SUPPLY, INC.  
 1805 E VIRGINIA ST  
 ANNAPOLIS MD 21401 (410)280-2350/

-----  
 CUST#: 25474 SHIP TO: Order Date: 09/06/19 Whse: 012 ORDER#: 7742361-00

Placed By Taken By Salesrep Out EPA Cert #  
 KABE STZI 039401994

BILL TO: (301)574-1555 FAX#: 301-574-1558 SHIP TO:  
 S&S MECHANICAL  
 4845 SOUTH CRAIN HIGHWAY  
 UPPER MARLBORO, MD 20772  
 S&S MECHANICAL  
 4845 SOUTH CRAIN HIGHWAY  
 UPPER MARLBORO, MD 20772

Customer PO: R410A Special Instructions:

Ship Via: PICK-UP Request Date: 09/07/19 Ship Date: Terms: 1% 10thprox

Line #	Product And Description	Quantity Ordered	Quantity B.O.	Quantity Shipped	Qty Um	Unit Price	Net Price
1	R410A25 R410A 25LB DISPOS-CAN	1			EA	131.25000 *	131.25

1 Lines Total	Total	131.25
	Taxes	7.88
	Invoice Total	139.13
** NOT AN INVOICE OR RECEIPT **		

THANK YOU FOR YOUR BUSINESS!

**SPAL**®

Central Air - Anywhere

A MESTEK COMPANY

**BLOWER COIL UNIT**

**MODEL ESP-4860V**

**SERIAL NO. AAO-1196**

**Max. Duct E.S.P. 1.5 I.W.C.**

**MOTOR IS THERMALLY PROTECTED**

**Motor H.P. 1 Motor F.L.A. 5.3**

**208/230 V.A.C., 60 Hz, 1 Ph**

**Max. Fuse 10 Amps**

**Max. Circuit Breaker: 15 Amps**

**Designed For Use With Refrigerant 22**

**Max. Working Pressure 150 P.S.I.**

**Design Pressure 300 P.S.I.G.**

**MANUFACTURED UNDER ONE OR MORE  
OF THE FOLLOWING PATENTS:**

**U.S.: 3,507,354 3,575,234 3,596,936**

**3,685,329 3,605,797 4,698,982**

**CANADA: 891,1292 GREAT BRITAIN: 1,254,029**

**A. MESTEK CO. WESTFIELD, MA 01085**

**GA**

**FACT. LOC.**

**AAO**

**MEG. DATE**

