

**Region:** 5

**Location:** MD002

**CSS #:** 23306

**Maximo Work Order No.:** 11552

**Asset #:** 1854

**Date Issued:** 1/22/2020

**Original Description:** MD002-04 Unit heater repair. Via FIS during monthly PM. WO#11552

**Repairs Needed:**

S&S Mechanical will remove and dispose of the old unit heaters. Install two (2) new high density infrared heaters and complete a system check to ensure everything is working properly.

**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	Heaters/materials with tax and shipping. See detail in quote	--	--	\$1,665.84	--	\$1,665.84
--	NA	SS Mechanical Labor	24	\$100.00	--	--	\$2,400.00
--	NA	SS Mechanical Diagnostic		\$500.00	--	--	\$500.00
--	NA	TW Oversite and coordination	6	\$80.00	--	--	\$480.00

**Estimate Summary:**

Labor Hours	Labor Cost	Material Cost		Total Cost	CE Factor	Total Estimate
30	\$3,380.00	\$1,665.84		\$5,045.84	100%	<b>\$5,045.84</b>



**S&S MECHANICAL**

**S&S Mechanical**  
4845 South Crain Highway  
Upper Marlboro, MD 20772

Tel. 1 - (301) 574-1555  
Fax. 1 - (301) 574-1558  
www.sandsmidatlantic.com

## CUSTOMER QUOTATION NO. 161

Tidewater, Inc.  
Tidewater, Inc  
6625 Selnick Dr.  
Suite A  
Elkridge MD 21075

Quote Name: 11553  
Quote No: 161  
Site: MD002 Ordnance Road  
Site Contact:  
Salesperson: Lindsay Ruby  
Created Date: 01/21/2020  
Valid For: 30 Day(s)

WO#: 11552

CSS Ticket Number: 23114

Problem: MD002-04 Unit heater repair. Via FIS during monthly PM.

S & S proposes to furnish and install the following:

S & S proposes to remove and dispose of the old unit heaters.

S & S proposes to install two new high intensity infrared heaters.

S & S will then complete a system check to ensure everything is working properly.

### Service

Item	Quantity	Unit Price	Total
Heaters/ Materials	1.00	\$1,300.80	\$1,300.80
Tax	1.00	\$65.04	\$65.04
Shipping	1.00	\$200.00	\$200.00
Install hardware	1.00	\$100.00	\$100.00
Diagnosis Fee	1	\$500.00	\$500.00
HVAC Labor Rate	24	\$100.00	\$2,400.00
<b>Sub-Total ex Tax</b>			<b>\$4,565.84</b>
<b>Tax</b>			<b>\$0.00</b>
<b>Total inc Tax</b>			<b>\$4,565.84</b>

Labor	\$2,900.00
Materials	\$1,665.84
<b>Sub-Total ex Tax</b>	<b>\$4,565.84</b>
Tax	\$0.00
<b>Total inc Tax</b>	<b>\$4,565.84</b>

## **Envirocon Associates, Inc.**

8314 Harford Road; Baltimore, Maryland 21234 Phone: 410-663-5900  
Manufacturers' Representative Fax: 410-663-8025  
WEB Page: <http://www.enviroconassociates.com>

### **DESCRIPTION OF EQUIPMENT**

TO : S and S Mechanical  
4845 South Crain Highway  
Upper Marlboro, MD 20772  
Attn: Brian Davis

DATE : January 21, 2020

PROJECT : Replacement High Intensity Infrared Heaters

**PAGE 1 OF 1**

**PRICES DO NOT INCLUDE TAXES  
TERMS ARE NET 30 DAYS  
SUBJECT TO TERMS AND CONDITIONS ATTACHED  
PRICES SUBJECT TO CHANGE AFTER 30 DAYS**

**A. High Intensity infrared Heaters – Superior Radiant Products**

(2) Model SD03N as follows:

- Natural gas burner – 33 MBH input
- Aluminized steel construction
- Aluminum reflector
- Direct spark ignition
- ½" x 24" flex gas connector
- ½" gas shut off
- Transformer for low voltage thermostat
- Low voltage digital non-programmable thermostat

Total price F. O. B. factory freight allowed.....**\$1,084.00**

Thank you for the opportunity.

**Bill Marano**



## SPACE-RAY

**HIGH INTENSITY INFRARED RADIANT  
CERAMIC HEATER**  
**RADIATEUR CÉRAMIQUE À INFRAROUGES  
UNVENTED**  
**SANS AÉRATION**

**For indoor installation only  
Installer à l'intérieur seulement  
ANSI Z83.19b / CSA 2.35b-2007**

MODEL NO.

No. die Modelle

## ALTITUDE

## GAS TYPE

Type de Caz

## SUPPLY PRESSURE

### *Pression de Sortie*

## MANIFOLD PRESSURE

## pression à l'échappement

RECT SPARK IGNITION

4284000 Rev. H 2/28



Gas Fired products inc. Charlotte, NC

Tel: 1800 438 4936 e-mail: [info@spacerray.com](mailto:info@spacerray.com)

If ignition fails, turn  
on into safety lock.  
It is necessary to take out the  
key if the engine does not light, since  
it is not possible to turn the engine  
over again without the key.  
5. To start the engine, turn  
on the heater, turn  
on the ignition, and  
then turn on the  
engine.

## INSTRUCTIONS

1. Mettre la valve à 0.
2. Choisir une demande.
3. Si l'allumage ne se fait pas, produire des étincelles. Si elles tombent en panne, éteindre. Mettre la valve à 0 et laisser dans la position d'arrêt (OFF) pour 5 secondes. Puis, pour interrompre le circuit, appuyer sur la touche STOP.
4. Si l'appareil ne s'allume pas, attendre une période de 5 min. avant de réessayer l'allumage.
5. Pour fermer l'appareil, fermer la valve.

### Installation in:

1. Aircraft hangers must be standard for Aircraft Hand
2. Pil