

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST FORM
FY22 ANNUAL TOWN MEETING REQUEST FORM**

Department: Crematory Division	Priority #:	1
Project Title and Description: Retort # 1 Full Rebuild and PLC Upgrades	Total Project Cost:	\$ 105,750.15

Department/Division Head:

Check if project is: New Resubmitted Cost estimate was developed: Internally Externally

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted:

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			<i>FY22</i>		
<i>Labor and Materials</i>	\$85,500.00		<i>FY23</i>		
<i>Administration</i>			<i>FY24</i>		
<i>Land Acquisition</i>			<i>FY25</i>		
<i>Equipment</i>	\$10,636.50		<i>FY26</i>		
<i>Other</i>					
<i>Contingency</i>	\$9,613.65	10%			
Total Capital	\$ 105,750.15				

Project Justification and Objective: This Matthews retort is one of the original units when the crematory first opened in May of 2009 and needs a complete rebuild. The last two inspections revealed that the refractory was rated to be in fair to poor condition. The main cremation burner area is failing and has become a safety issue. The floor is being patched with a product that only lasts for a short time. Also the PLC touch screens that control the unit need to be updated as parts are not available. This unit has provided more than 5,384 cremations to date and has been a reliable unit. The Division has seen a large increase in cremations because of the COVID – 19 pandemic and those choosing cremation in general. This unit is listed in the 5 year plan for FY 23 but because of its poor condition it is being brought to the Fall ATM. The crematory is also on track to do almost 1300 cremations this year which is almost double the amount from 2016.

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes No
Can this project be phased over more than one fiscal year? Yes No

For Capital Equipment Requests:

Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

What is the expected lifespan of this new/replacement equipment: 6-10 Years
Attach backup information, estimates, or justification to support this request.



REPAIR QUOTE

Date: 7/13/2021 Quote#: 07132021-A03

Client: Town of Plymouth

WO# _____

Contact Name: Mr Ken King

Phone #: 774-205-3105

E-Mail: kking@townhall.plymouth.ma.us

Client to verify the information below is correct

Job Site Address: 102 Samoset Street Plymouth, MA 02360

Billing Address: _____

Facility Hours of Operation: _____

Emergency Service (TME)	
<u>Response Time</u>	<u>Rates</u>
1-7 Days	\$199/hr
8-14 Days	\$149/hr
15+ Days	\$99/hr

Unit	Job Type	Description	Make/Model	Price
1	Repair	Complete Rebuild - Ufalas - USCE Cure (Includes Up to 10 Days On-Site)	Matthews PPII	\$ 85,500.00
SUB-TOTAL				\$85,500.00

Scope of Work:

- | | |
|--|--|
| <ul style="list-style-type: none"> • SHIPPING OF ALL MATERIALS • All Materials • Demo Existing Materials • Replace Cremation Chamber Floor, Door , & Divider Wall • Replace Primary & Secondary Walls • Replace Roof Including Throat Area Roof w/Stack Receiver | <ul style="list-style-type: none"> • Replace Throat Wall and Lintels • Replace Entire Back End • Install New Insulation • Local Tool/Equipment Rentals & Supplies (excl crane & dumpster) • USCE to Cure New Refractory w/Test Cremation • 2 USCE Factory Certified USCE Technicians |
|--|--|

Client Notes:

Install 2x burner tiles that are onsite



August 10, 2021

Ken King
Vine Hills Cemetery
102 Samoset St.
Plymouth, MA 12360

Dear Mr. King,

Thank you for the opportunity to submit the following proposal on your #1 PPII cremation equipment.

We propose to send one technician and the necessary materials to your location to perform the following services:

- Remove and replace the modules, touchscreen, controls and scanners.

The cost to provide the above repairs, labor for one technician, materials, travel and subsistence is quoted at \$10,130.00 plus a 5% Covid surcharge (\$506.50) and are subject to applicable state and local taxes. *The quoted price does not include freight charges they will be billed separately.*

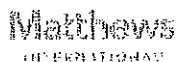
Policy regarding repairs over \$10,000.00 will require a deposit before scheduling and shipment of materials to your location. The balance of the repair cost including taxes and remaining freight charges will be due NET30 upon completion of the work. Unpaid balances beyond thirty days will be subject to a 1½% per/month penalty. After checking your open credit limit with corporate the deposit required for this repair will be \$5318.25 (see acceptance page). *Please acknowledge this by initialing here _____.*

Insurance Disclaimer:

For every work order, Matthews Cremation carries a \$1,000,000 disability and \$2,000,000 liability coverage for our certified technicians and client security. In using anyone other than Matthews to perform this critical service, make certain any/all vendors supply proof of insurance before they set foot in your crematory. Failure to carry both disability and liability insurance places your company and employees at risk, completely liable for damages. Work performed on Matthews's equipment outside of our employee's voids any/all warranties.

We will ship the necessary materials to your location by Fedex.

Matthews Environmental Solutions
2045 Sprint Boulevard | Apopka, Florida 32703
O: 407-886-5533 | F: 407-886-5990 | www.matthewsenvironmentalsolutions.com



Matthews Environmental Solutions is a (MATW) Matthews International company

Location Name: **Town of Plymouth** Work Order #: **402254929**
 Model: **EP1** Serial: **1111108** Year: **2008** Unit: **1** of **4**

Refractory Conditions				Comments		
Hearth:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> Poured	<input type="checkbox"/> Tile	
Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> Angle	<input checked="" type="checkbox"/> Arch	<input type="checkbox"/> Brick <input type="checkbox"/> Modules missing refractory near front by the door, some hole is very deformed
CC Walls:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> H. B.	<input type="checkbox"/> S. B.	<input type="checkbox"/> Modules
TA Walls:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> H. B.	<input type="checkbox"/> S. B.	<input type="checkbox"/> Modules bricks near access door showing wear
TA Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> Poured	<input type="checkbox"/> Brick	<input type="checkbox"/> Modules
AC Walls:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> H. B.	<input checked="" type="checkbox"/> S. B.	<input type="checkbox"/> Modules bricks near access door showing wear
Ldg Door Lintel:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Poured	<input type="checkbox"/> Modules
Loading Door	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> SB	<input type="checkbox"/> Poured	<input type="checkbox"/> Modules
AC Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> N/A		
AC Lintel(s)	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> N/A		
Divider Wall:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> N/A		bricks near front have fallen into after chamber
Access Door:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> N/A		
Baffle(s):	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Clean Out Debris in Afterchamber	<input type="checkbox"/> N/A

Stack (It is recommended that single wall stacks be replaced every 10 years)

Stack Type: Ref. Lined Length: 25' Inside Diameter: 21"
 Condition: Good Fair Bad N/A Ref. Lined has Shield: Yes No N/A
 Ins. Cond.: Good Fair Bad N/A Ins. Length: Stack Ventilated Properly: Yes No
 Min. 6" Clearance from Stack to Combustible: Yes No Storm Collar has 3" clearance: Yes No
 Material Surrounding Stack: sheet metal

Venturi

Venturi Type: Nozzle-90 in machine Condition: Good Bad N/A
 Venturi to Stack Connection Drawband Flange N/A Venturi to Air Supply Connection: Flange Pipe N/A

Blower

Blower Make: eclipse Motor Make: baldor Motor Model: vm3613E
 H.P. 5 Volts 230 Phase 3 Amps 12 Frame 184tc RPM 3450
 #2 Blower: N/A Make: Motor Make: Motor Model:
 H.P. Volts Phase Amps Frame RPM
 Sufficient Makeup Air: Yes No Grease Blower(s): N/A

Maintenance Checklist			Safety Checklist		
<input checked="" type="checkbox"/> Clean Spark Plugs	Type: eclipse 10019728	Door Stop Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Clean Flame Rods/Scanners	Type: eclipse 5600-90a	Door Safety Locks Work	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Grease door bearings	<input type="checkbox"/> N/A	Fluid Level in Pump is Full	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Condition	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad	All Wires Tight	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Grease chains	<input type="checkbox"/> N/A Size: <input type="checkbox"/> 40 <input checked="" type="checkbox"/> 60 <input type="checkbox"/> 80	Hi/Lo Gas Pressure Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Condition	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad	Hi-Limit Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Maintenance on burners	<input checked="" type="checkbox"/> N/A	All Lights Working	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Air Lines	<input type="checkbox"/> Air Ports <input type="checkbox"/> Blower Wheel	Auxiliary Contact Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Clean O ² Sensors	<input checked="" type="checkbox"/> N/A	Air Switch(s) Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Clean SS or Dia. Plate		Door Limit Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Tighten All Linkages	<input type="checkbox"/> N/A	Blower Running Amps: 9.16	Overload Max Amps: 16		
<input checked="" type="checkbox"/> Bellmo	<input type="checkbox"/> Damper Motor <input type="checkbox"/> Mod Motor	Checked for gas leaks with Sniffer	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Thermocouple (s)	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad <input type="checkbox"/> N/A	How many 2	Length (s): 18in		
Burner Control Screws Tight	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Make: eclipse	Model: veriflame		
PLC:	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Basic <input type="checkbox"/> Adv <input type="checkbox"/> 02 <input type="checkbox"/> MPyre <input type="checkbox"/> Data Logging	Reset Case Count:	PLC Model: <input checked="" type="checkbox"/> S7200 <input type="checkbox"/> S71200		
PC Type:	<input type="checkbox"/> Acer <input type="checkbox"/> Siemens Model: N/A				

Location Name: **Town of Plymouth** Work Order #: **402254929**
 (Model: **001**) Serial: **1111106** Year: **2006** Unit #: **1** of **3**

Refractory Condition				Comments	
Hearth:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Bad	<input checked="" type="checkbox"/> Poured	<input type="checkbox"/> Tile
Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> Angle	<input checked="" type="checkbox"/> Arch <input type="checkbox"/> Brick <input type="checkbox"/> Modules <small>missing refractory near front by the door, burner hole is very disformed</small>
CC Walls:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> H. B.	<input type="checkbox"/> S. B. <input type="checkbox"/> Modules
TA Walls:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> H. B.	<input type="checkbox"/> S. B. <input type="checkbox"/> Modules <small>bricks near access door showing wear</small>
TA Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> Poured	<input type="checkbox"/> Brick <input type="checkbox"/> Modules
AC Walls:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> H. B.	<input checked="" type="checkbox"/> S. B. <input type="checkbox"/> Modules <small>bricks near access door showing wear</small>
Ldg Door Lintel:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Poured <input type="checkbox"/> Modules
Loading Door	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> SB	<input type="checkbox"/> Poured <input type="checkbox"/> Modules
AC Roof:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> N/A	
AC Lintel(s)	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> N/A	
Divider Wall:	<input checked="" type="checkbox"/> Good	<input checked="" type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> N/A	<small>bricks near front have fallen into after chamber</small>
Access Door:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> N/A	
Baffle(s):	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input checked="" type="checkbox"/> Bad	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Clean Out Debris in Afterchamber <input type="checkbox"/> N/A

Stack (It is recommended that single wall stacks be replaced every 10 years)

Stack Type: Ref. Lined Length: 25' Inside Diameter: 21"

Condition: Good Fair Bad N/A Ref. Lined has Shield: Yes No N/A

Ins. Cond.: Good Fair Bad N/A Ins. Length: Stack Ventilated Properly: Yes No

Min. 6" Clearance from Stack to Combustible: Yes No Storm Collar has 3" clearance: Yes No

Material Surrounding Stack: sheet metal

Venturi

Venturi Type: Nozzle-90 in machine Condition: Good Bad N/A

Venturi to Stack Connection Drawband Flange N/A Venturi to Air Supply Connection: Flange Pipe N/A

Blower

Blower Make: eclipse Motor Make: baldor Motor Model: vm3613t

H.P. 5 Volts 230 Phase 3 Amps 12 Frame 184tc RPM 3450

#2 Blower: N/A Make: Motor Make: Motor Model:

H.P. Volts Phase Amps Frame RPM

Sufficient Makeup Air: Yes No Grease Blower(s): Yes N/A

Maintenance Checklist		Safety Checklist	
<input checked="" type="checkbox"/> Clean Spark Plugs Type: eclipse 10019728	<input checked="" type="checkbox"/> Door Stop Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Clean Flame Rods/Scanners Type: eclipse 5600-90a	<input checked="" type="checkbox"/> Door Safety Locks Work	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Grease door bearings <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Fluid Level in Pump is Full	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> All Wires Tight	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Grease chains <input type="checkbox"/> N/A Size: <input type="checkbox"/> 40 <input checked="" type="checkbox"/> 60 <input type="checkbox"/> 80	<input checked="" type="checkbox"/> HI/Lo Gas Pressure Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Condition <input checked="" type="checkbox"/> Good <input checked="" type="checkbox"/> Bad	<input checked="" type="checkbox"/> HI-Limit Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Maintenance on burners <input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> All Lights Working	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Air Lines <input type="checkbox"/> Air Ports <input type="checkbox"/> Blower Wheel	<input checked="" type="checkbox"/> Auxillary Contact Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Clean O ₂ Sensors <input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Air Switch(s) Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Clean SS or Dia. Plate	<input checked="" type="checkbox"/> Door Limit Switch Works	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Tighten All Linkages <input type="checkbox"/> N/A	Blower Running Amps: 9.16	Overload Max Amps: 16	
<input checked="" type="checkbox"/> Bellimo <input type="checkbox"/> Damper Motor <input type="checkbox"/> Mod Motor	<input checked="" type="checkbox"/> Checked for gas leaks with Sniffer	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Thermocouple (s) <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Bad <input type="checkbox"/> N/A	How many 2	Length (s): 18in	
Burner Control Screws Tight <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Make: eclipse	Model: veriflame	
PLC: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Basic <input type="checkbox"/> Adv <input type="checkbox"/> 02 <input type="checkbox"/> MPyre <input type="checkbox"/> Data Logging <input type="checkbox"/> Reset Case Count:	PLC Model: <input checked="" type="checkbox"/> S7200 <input type="checkbox"/> S71200		
PC Type: <input type="checkbox"/> Acer <input type="checkbox"/> Siemens Model: N/A			

Location Name: Town of Plymouth Serial # 1111108 Work Order #: 402254929

Controls:

Temperature Controller Works	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> PLC	Make: Siemens	Model: s7-200
#2 temperature Controller Works	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> PLC	Make:	Model:
Pollution Control Works	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Make: EMS	Model: EMS761
Opacity Set Properly:	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Times Set at 3.5 Min	Make:	Model:
Timers Works at Proper Settings	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> PLC	Make: Siemens	Model: s7-200
Chart Recorder Works	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> 1 Pen	<input checked="" type="checkbox"/> 2 Pen	Make: parlow Model: mrc5000

Settings:

AB Make: eclipse	AB Model: ij150	CB Make: eclipse	CB Model: ij75
AB Hi Fire Gas 1.3 mill	BTU	CB Hi Fire Gas: 560,000	BTU
AB Low Fire Gas: 500,000	BTU	CB Low Fire Gas: 250,000	BTU
AB Hi Fire Air: 2.8	"W.C. <input type="checkbox"/> Δ	CB Hi Fire Air: 1.3	"W.C. <input type="checkbox"/> Δ
AB Low Fire Air <input checked="" type="checkbox"/> N/A	"W.C. <input type="checkbox"/> Δ	CB Low Fire Air <input checked="" type="checkbox"/> N/A	"W.C. <input type="checkbox"/> Δ
Preheat Burner HI Fire Gas <input checked="" type="checkbox"/> N/A	BTU	CB #2 HI Fire Gas <input checked="" type="checkbox"/> N/A	BTU
Preheat Burner HI Fire Air <input checked="" type="checkbox"/> N/A	"W.C. <input type="checkbox"/> Δ	CB #2 HI Fire Air <input checked="" type="checkbox"/> N/A	"W.C. <input type="checkbox"/> Δ
Flame Response Microamp/DC Volt	A/B 8.9	C/B 9.3	<input checked="" type="checkbox"/> C/B #2 <input checked="" type="checkbox"/> N/A P.H.
Draft w/TA off -.08	"W.C.	Draft w/ TA on -.11	"W.C.
Gas Pressure @ Machine Full Fire 10	"W.C.	<input checked="" type="checkbox"/> Natural	<input type="checkbox"/> LP <input type="checkbox"/> Other
Throat Air <input type="checkbox"/> N/A 2.9	"W.C.	Arch Air: <input checked="" type="checkbox"/> N/A	"W.C.
Hearth Air <input type="checkbox"/> N/A 3.3	"W.C.	Secondary Air <input checked="" type="checkbox"/> N/A	"W.C.
AB Setpoint: <input type="checkbox"/> N/A 1650	CB Setpoint <input type="checkbox"/> N/A 1750	High Limit Setpoint <input type="checkbox"/> N/A 2100	
Preheat Setpoint: <input type="checkbox"/> N/A 1600	CB #2 Setpoint <input checked="" type="checkbox"/> N/A		
Door Interlock: <input checked="" type="checkbox"/> N/A	Burner Interlock <input checked="" type="checkbox"/> N/A		

Auto Read:

Wire Mesh Belt In Line or Adjusted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Set Screw Tight	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Limit Switch Works	<input type="checkbox"/> Yes <input type="checkbox"/> No	Belts Tight	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Drive Chain Adjusted Properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	Condition of Bearings	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad
Condition of Rail Bearings	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad	Condition of Blades	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad
Photoeye lens & Reflector Clean	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition of Drum	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Bad
Annunciator Lights Work	<input type="checkbox"/> Yes <input type="checkbox"/> No	Thermal Switch Operative	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Side Rails Lubricated	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Timer Operative	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> All Wiring Tight	<input type="checkbox"/> All Lights Tight	Timer Make: omron	Timer Model: h2c

Accessories:

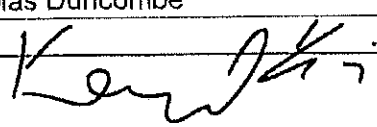
<input type="checkbox"/> LT1	<input type="checkbox"/> LT1-B	<input type="checkbox"/> LT1-BS	<input checked="" type="checkbox"/> LT1-B speed valve in down position	<input checked="" type="checkbox"/> LT1-B Wiring secure	<input checked="" type="checkbox"/> LT1-BS 3/16 gap from table to frame
<input type="checkbox"/> VPS	<input type="checkbox"/> Deluxe VPS	Spare Parts on Hand:			

Recommendations:

reccomend new cremation chamber roof due to missing refractory near door exposing metal, as well as the cremation chamber burner hole being disformed. door chain was replaced on this unit. hot pass near access door is showing wear. dividerwall in the front has fallen into the afterchamber. operation wise the machine runs great.

Technician: Nicholas Duncombe

Date: 4/6/2021

Customer Signature: 

Date: 4/6/2021