



Matthews[®]

ENVIRONMENTAL SOLUTIONS

CREMATOR SERVICE REPORT

CLIENT:

SITE:

CONTRACT NO.:

CREMATOR NO.:

SERVICED BY:

DATE:

CHARGE DOOR/HYDRAULIC CHARGE DOOR

Complete | Note No.

1.1.1	CHECK AND ADJUST CLAMPS IF REQUIRED		
1.1.2	CHECK ROPE SEAL AND CHANGE IF REQUIRED		
1.1.3	CHECK COUNTERBALANCE WEIGHTS AND REALIGN IF REQUIRED		
1.1.4	CHECK LIMIT SWITCH OPERATION		
1.1.5	OIL AND ADJUST CHAINS		
1.1.6	CHECK AND RE-ADJUST MANUAL DOOR RELEASE		
1.1.7	REMOVE AND CLEAN SIGHT GLASS WHERE FITTED		
1.1.8	HYDRAULIC CHARGE DOOR (WHERE FITTED) WHERE APPROPRIATE REMOVE THE CLADDING, INSPECT CONDITION AND LOCATION OF CHAIN, ENSURING IT IS NOT OUT OF ALIGNMENT. WHEN CHECK COMPLETED RE-FIT CLADDING.		

ASH DOOR

Complete | Note No.

1.2.1	CLEAN OUT TRACKS		
1.2.2	CHECK AND ADJUST CLAMPS		
1.2.3	CHECK ROPE SEAL AND CHANGE IF REQUIRED		
1.2.4	CHECK RUNNERS		
1.2.5	CHECK MECHANISM AND REALIGN IF REQUIRED		
1.2.6	CHECK CORRECT CLOSING		
1.2.7	REMOVE AND CLEAN SIGHT GLASS WHERE FITTED		

GREASE ALL DOOR RUNNERS WITH SILICONE GREASE

INTEGRAL ASH CHUTE

Complete | Note No.

1.3.1 CHECK DAMPER AND REALIGN IF REQUIRED

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1.3.2 CHECK AIR CONNECTIONS AND TIGHTEN IF REQUIRED

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1.3.3 CHECK RUNNERS AND REALIGN IF REQUIRED

--	--

1.3.4 CHECK SEALING ROPE AND RENEW IF REQUIRED

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NOTES:

AIR PIPES AND VALVES

	Complete Note No.
1.4.1 CHECK TIGHTNESS OF MOTOR ON ALL MOTORISED AIR VALVES	<input type="checkbox"/> <input type="checkbox"/>
1.4.2 CHECK CORRECT OPERATION OF ALL AIR VALVES	<input type="checkbox"/> <input type="checkbox"/>
1.4.3 CHECK PROPER CLOSING OF ALL AIR VALVES	<input type="checkbox"/> <input type="checkbox"/>
1.4.4 TIGHTEN ALL PIPEWORK CONNECTIONS	<input type="checkbox"/> <input type="checkbox"/>
1.4.5 CHECK ALL AIR PIPES AND JETS	<input type="checkbox"/> <input type="checkbox"/>
1.4.6 CHECK FLUE AIR RING, MOTORISED VALVES AND AIR SUPPLY AS ABOVE	<input type="checkbox"/> <input type="checkbox"/>
1.4.7 CHECK SUCTION AND REVERSE FLOW VIA CONTROL PANEL	<input type="checkbox"/> <input type="checkbox"/>

DAMPER/ZEST

	Complete Note No.
1.5.1 CHECK DAMPER DRIVE GEAR	<input type="checkbox"/> <input type="checkbox"/>
1.5.2 CHECK DAMPER LIMIT SWITCHES IF FITTED	<input type="checkbox"/> <input type="checkbox"/>
1.5.3 CHECK DAMPER BEARINGS	<input type="checkbox"/> <input type="checkbox"/>
1.5.4 CHECK DAMPER BLADE	<input type="checkbox"/> <input type="checkbox"/>

NOTES

BURNERS AND GAS PIPES

	Complete Note No.
1.6.1 VISUALLY INSPECT BURNER AND CLEAN ALL PARTS	<input type="checkbox"/> <input type="checkbox"/>
1.6.2 REMOVE AND CLEAN IGNITION AND IONISATION PROBES. CHANGE IF REQUIRED	<input type="checkbox"/> <input type="checkbox"/>
1.6.3 REMOVE, CLEAN AND INSPECT BURNER HEAD FOR DAMAGE IF POSSIBLE. ENSURE NO DAMAGE MADE TO REFRACTORY	<input type="checkbox"/> <input type="checkbox"/>
1.6.4 INSPECT ALL CABLING TO THE BURNER HEAD FOR DAMAGE	<input type="checkbox"/> <input type="checkbox"/>
1.6.5 REFIT BURNER AND TEST FIRE	<input type="checkbox"/> <input type="checkbox"/>
1.6.6 CHECK FLAME CHARACTERISTICS AND SIGNALS	<input type="checkbox"/> <input type="checkbox"/>
1.6.7 CHECK CONDITION/OPERATION OF GAS VALVES AND INTERNAL FILTERS	<input type="checkbox"/> <input type="checkbox"/>
1.6.8 PERFORM A PERMISSIBLE LEAK TEST ON GAS PIPEWORK FROM CREMATOR ISOLATION VALVE TO THE BURNER AND GAS VALVE. REPORT YOUR FINDINGS.	<input type="checkbox"/> <input type="checkbox"/>
1.6.9 ENSURE THAT THE CREMATOR HAS BEEN RESET AND THAT IT HAS SUCCESSFULLY PASSED ITS CALIBRATION AND TEST CYCLE	<input type="checkbox"/> <input type="checkbox"/>
1.6.10 ENSURE THAT THE CREMATOR HAS SUFFICIENT SUCTION AND	<input type="checkbox"/> <input type="checkbox"/>
1.6.11 FIRE THE BURNER TO BE TESTED	<input type="checkbox"/> <input type="checkbox"/>
1.6.12 SLOWLY ADJUST THE AIR PRESSURE SWITCH TO HIGH UNTIL THE BURNER FAILS	<input type="checkbox"/> <input type="checkbox"/>
A) IF THE BURNER DOES NOT FAIL TO 'LOCK OUT' RECTIFY THE FAULT BEFORE CONTINUING	<input type="checkbox"/> <input type="checkbox"/>
1.6.13 RESET THE AIR PRESSURE SWITCH TO THE CORRECT VALUE	<input type="checkbox"/> <input type="checkbox"/>
1.6.14 PURGE THE CREMATOR MANUALLY TO THE MANUFACTURER'S INSTRUCTIONS BEFORE CONTINUING	<input type="checkbox"/> <input type="checkbox"/>
1.6.15 IGNITE THE FIRST BURNER AND WHEN THE FLAME IS ESTABLISHED AND STABLE, REMOVE THE FLAME MONITOR AND ENSURE THAT THE BURNER FAILS	<input type="checkbox"/> <input type="checkbox"/>

A)	IF THE BURNER DOES NOT FAIL OR 'LOCK OUT' RECTIFY THE FAULT BEFORE CONTINUING	<input type="text"/>
1.6.16	REPLACE THE FLAME MONITOR	<input type="text"/>
1.6.17	PURGE THE CREMATOR MANUALLY	<input type="text"/>
1.6.18	IGNITE THE FIRST BURNER AGAIN AND CHECK THE GAS FLOW ON BOTH HIGH AND LOW FIRE CHECK THESE VALUES AGAINST THE ORIGINAL COMMISSIONING FIGURES	<input type="text"/>
1.6.19	WITH THE BURNER ON HIGH FIRE AND USING AN OXYGEN/CARBON MONOXIDE METER CHECK THE BURNER FOR CORRECT MIXTURE AGAINST THE ORIGINAL COMMISSIONING FIGURES	<input type="text"/>
A)	IF REQUIRED RESET THE MIXTURE CONTROL TO ENSURE CORRECT OPERATION OF THE CREMATOR	<input type="text"/>
1.6.20	CARRY OUT THE SAME TEST FOR ALL BURNERS	<input type="text"/>

NOTES

ELECTRICS

Complete | Note No.

1.6.1	CHECK ALL ELECTRICAL PANEL INTERIORS FOR DAMAGE.	<input type="checkbox"/>	<input type="checkbox"/>
1.6.2	CLEAN OUT ALL PANELS OF DUST/DEBRIS.	<input type="checkbox"/>	<input type="checkbox"/>
1.6.3	CHECK ALL CONTACTOR/RELAY/OVERLOADS FOR CABLE CONNECTIONS BEING TIGHT.	<input type="checkbox"/>	<input type="checkbox"/>
1.6.4	ENSURE ALL TRUNKING LIDDING IS PRESENT AND FITTED.	<input type="checkbox"/>	<input type="checkbox"/>
1.6.5	CHECK READINGS OF ANALOGUE TO DIGITAL MEASUREMENTS	<input type="checkbox"/>	<input type="checkbox"/>
1.6.6	CHECK ALL OVERLOADS ARE SET CORRECTLY.	<input type="checkbox"/>	<input type="checkbox"/>
1.6.7	ENSURE ALL INDICATION LAMPS/LIGHTS/DISPLAYS OPERATE CORRECTLY	<input type="checkbox"/>	<input type="checkbox"/>
1.6.8	CHECK OPERATION OF INTERFACE BOARDS OR CARDS	<input type="checkbox"/>	<input type="checkbox"/>
1.6.9	INSPECT ALL THERMOCOUPLES, REPLACE WHERE NECESSARY	<input type="checkbox"/>	<input type="checkbox"/>
1.6.10	NOTE ALL THERMOCOUPLE TYPES AND SIZES.	<input type="checkbox"/>	<input type="checkbox"/>

SMOKE HEAD OP PARTICULATE OPERATION

1.7.1	TIGHTEN CONNECTIONS	<input type="checkbox"/>	<input type="checkbox"/>
1.7.2	CLEAN AND RE-SET CHECK MILLIVOLT READING ON PANEL AND REPORT	<input type="checkbox"/>	<input type="checkbox"/>
1.7.3	CHECK AIR PURGE SUPPLY	<input type="checkbox"/>	<input type="checkbox"/>
1.7.4	IF FITTED, CAREFULLY REMOVE THE PCME PARTICULATE MONITORING EQUIPMENT FROM THE FLUE AND CLEAN THE PROBE, TAKING CARE TO ENSURE THAT THERE ARE NO DEPOSITS BETWEEN THE PROBE AND THE HEAD. REPLACE STAINLESS STEEL PROBE IF NECESSARY USING THE NEW SOLID PROBE. NOTE ANY DAMAGE TO UNIT.	<input type="checkbox"/>	<input type="checkbox"/>

REFRACTORY/CREMATOR

1.8.1 CHECK REFRACTORY CONDITION AND REPORT ON:

MAIN CHAMBER

- | | | |
|----------------------------------------------|----------------------|----------------------|
| a) CHARGE DOOR LINING | <input type="text"/> | <input type="text"/> |
| b) MAIN CHAMBER SIDE WALL | <input type="text"/> | <input type="text"/> |
| c) MAIN CHAMBER REAR WALL | <input type="text"/> | <input type="text"/> |
| d) DOOR JAMBS AND DOOR ROOF VESTIBULE BLOCKS | <input type="text"/> | <input type="text"/> |
| e) HEARTH | <input type="text"/> | <input type="text"/> |
| f) ROOF BEAMS | <input type="text"/> | <input type="text"/> |
| g) FLAT ROOF TILES | <input type="text"/> | <input type="text"/> |

CONSIGNMENT STOCK “MEZZANINE” ACCESS TILES

If you use any of the client’s stock it must be recorded on your “MER” notes so that the items can be charged and replaced accordingly.

SECONDARY CHAMBER

- | | | |
|-----------------------------|----------------------|----------------------|
| a) COMBUSTION TUBE | <input type="text"/> | <input type="text"/> |
| b) FRONT WALL (TARGET WALL) | <input type="text"/> | <input type="text"/> |
| c) REAR WALL AND TUBE SEAL | <input type="text"/> | <input type="text"/> |

- | | | |
|-------------------------------------|----------------------|----------------------|
| 1.8.2 RE-SEAL ALL FLUE ACCESS PORTS | <input type="text"/> | <input type="text"/> |
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SECONDARY CHAMBER AND FLUES

- | | | |
|--------------------------------------------------------------------------------------|----------------------|----------------------|
| 1.9.1 INSPECT CONDITION OF ALL FLUES AND REMOVE ALL ASH BUILD UP IN FLUES AND DUCTS. | <input type="text"/> | <input type="text"/> |
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|--------------------------------------------|----------------------|----------------------|
| 1.9.2 INSPECT CONDITION OF THE FLUE LINING | <input type="text"/> | <input type="text"/> |
|--------------------------------------------|----------------------|----------------------|

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|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.9.3 | INSPECT CONDITION OF THE STEELWORK THAT COMPRISES THE FLUE FOR ANY “HEAT SPOTS” AND IF IN DOUBT CHECK THE SURFACE TEMPERATURE OF THE STEEL DUCTING | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.9.4 | PAY PARTICULAR ATTENTION TO THE ENVIRONMENT THAT THE FLUE DUCTING IS PASSING THROUGH AND ENSURE THAT NO COMBUSTIBLE MATERIALS ARE IN CONTACT WITH THE FLUE | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.9.5 | CHECK THE FLUE FOR SOUNDNESS TO ENSURE THAT THE FLUE REMAINS GAS-TIGHT – CHECK FLANGE CONDITION AND REPORT | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.9.6 | INSPECT CHIMNEY THROUGH ACCESS HATCHES, CLEAR OUT FALLEN DEBRIS FROM BASE OF CHIMNEY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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FANS AND AIR DUCTING

- | | Complete Note No. | | |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.10.1 CHECK NON-RETURN VALVE (SLAM PLATES) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.10.2 GREASE BEARINGS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.10.3 CLEAN COOLING FAN IF ACCESSIBLE | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.10.4 CHECK AND TIGHTEN TERMINALS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.10.5 INSPECT FAN MOUNTINGS FOR TIGHTNESS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.10.6 CHECK CONDITION OF AIR DUCTING AND CONNECTIONS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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MONITOR EQUIPMENT - EXTERNAL CONNECTIONS

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|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.11.1 CLEAN THE FLUE SAMPLE PROBE AND RE-SEAL, REPLACE IF REQUIRED. ENSURE GOOD SEAL | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.11.2 REPLACE SILICA GEL | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.11.3 REPLACE COELESING FILTER | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.11.4 REPLACE DISK FILTER | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | |
| 1.11.5 DRAIN SYSTEM AND REFILL WITH CLEAN WATER | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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1.11.6 CLEAN AND REPLACE ALL FESTO CONNECTIONS, NOTE ONLY USE PLASTIC FITTINGS

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1.12.7 CLEAN AND REPLACE (IF REQUIRED) FESTO PIPEWORK

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1.12.8 REPLACE SAMPLE GAS BOTTLE IF FITTED

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1.12.9 CHECK WATER FLOW AND RESET TO 2 LTS/HRS IF FITTED

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1.12.10 TIGHTEN ALL PIPE FITTINGS BUT DO NOT OVER-TIGHTEN

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1.12.11 CHECK DRAIN VALVES

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1.12.12 CHECK CORRECT OPERATION OF HEAT TRACING SYSTEM USING CLIP ON AMMETER
SET AIR FLOW GUAGE TO MID POSITION.

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"E.P.A." PANEL AND ELECTRIC'S

	Complete	Note No.
1.12.1 CHECK ALL ELECTRICAL CONNECTIONS ON THE "E.P.A." EQUIPMENT	<input type="checkbox"/>	<input type="text"/>
1.12.2 CLEAN ALL PIPES AND PIPE CONNECTIONS ON THE EQUIPMENT	<input type="checkbox"/>	<input type="text"/>
1.12.3 IF REQUIRED, CLEAN AND DRY OUT FLOW METERS	<input type="checkbox"/>	<input type="text"/>
1.12.4 RESET FLOW METERS (SEE INSTRUCTION SHEET)	<input type="checkbox"/>	<input type="text"/>
1.12.5 INSPECT ALL FILTERS AND CHANGE AS REQUIRED (REPLACE O RINGS WHERE POSSIBLE)	<input type="checkbox"/>	<input type="text"/>
1.12.6 CHECK OPERATION OF PUMP ENSURE COOLER IS WORKING (NOT DISPLAYING RED LIGHT). ENSURE DISPLAY ON MONITOR IS FUNCTIONING CORRECTLY.	<input type="checkbox"/>	<input type="text"/>
1.12.7 INTRODUCE ZERO GAS AND CALIBRATION GAS AND SET MONITOR AS REQUIRED. ENSURE CONTROL PANEL READINGS MATCH MONITORING PANEL READINGS	<input type="checkbox"/>	<input type="text"/>
1.12.8 CHECK READINGS WITH BURNERS ON TO ENSURE CORRECT SAMPLING AND ENSURE SAMPLE LINE IS AIRTIGHT.	<input type="checkbox"/>	<input type="text"/>

E.P.A. PANEL AND ELECTRICS

DESCRIPTION	O2 SETPOINT	O2 ACTUAL	CO SETPOINT	CO ACTUAL
With pump on and free air valve open	20.9		0.0	
With pump off, free air valve closed and sample gas on for 3 minutes	>1.0			

FOR CO SETPOINT SEE CERTIFICATE ON BOC OR CTI SAMPLE GAS BOTTLE

MAIN CONTROLLER (WITH THE UNIT SWITCHED OFF)

Complete | Note No.

- | | | | | |
|--------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.13.1 | CHANGE THE CONTROLLER FAN FILTER | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.13.2 | ENSURE THAT ALL CABLING IS NEAT, TIDY AND SAFE.
IF NOT INSTALL CLIPS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.13.3 | CHECK ALL FUSE CONTACTS ARE CLEAN AND THAT THE
HOLDERS ARE TIGHT | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.13.4 | CHECK INSTRUMENTATION | | | |
| 1) | CHECK THAT THE COMPUTER TEMPERATURE
INDICATORS ARE READING CORRECTLY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 2) | CHECK THAT THE AIR PRESSURE COMPENSATING
"DARK STAR" TRANSDUCER IS OPERATING PROPERLY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 3) | CHECK THAT THE SUCTION TRANSDUCER IS
READING CORRECTLY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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DATA LOG INFORMATION

- | | | | | |
|--------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.14.1 | IF THE CREMATORIUM HAVE NOT BEEN USING THE
MONTHLY DATA DISCS, FOLLOW THE INSTRUCTIONS FOR DATA RETRIEVAL | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.14.2 | COPY THE FILES TO THE CORRECT DISKS, JANUARY,
FEBRUARY, ETC., AND RETURN TO THE OFFICE | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.14.3 | CHECK THAT DATA IS DOWNLOADED ONTO
DISKS/MEMORY STICKS CORRECTLY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |

IF YOU ARE UNABLE TO DOWNLOAD ANY OF THE DATA REQUESTED PLEASE GIVE A REASON WHY.

BURNER EQUIPMENT (WITH CREMATOR IN PRE-HEAT)

Complete | Note No.

- | | | | | |
|--------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.15.1 | CHECK THAT THE THREE-WAY SOLENOID VALVE IS CLOSED, GAS FLOWING FROM FLUE PROBE AND THAT THE PUMP IS RUNNING | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.15.2 | CHECK OUTLET TEE VALVE AND DRAIN VALVES ARE SHUT AND SAMPLE VALVE FOR TEE IS OPEN | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.15.3 | CHECK THAT WITH ALL BURNERS ON HIGH FIRE THAT THE O2 LEVEL IS NOT BELOW 4% OR ABOVE 6.5%, DO NOT ADJUST BURNERS. NOTE READINGS. | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.15.4 | RECORD PRE-HEAT TIME | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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WATER SPRAY

- | | | | | |
|--------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1.16.1 | CHECK CORRECT PUMP OPERATION | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.2 | CHECK LANCE AND CLEAN OR REPLACE IF REQUIRED | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.16.3 | CHECK AND REMOVE, RE-FIT OR REPLACE NOZZLE IF NECESSARY | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.4 | CLEAN IN-LINE FILTERS, IF FITTED | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.5 | RE-INSTALL | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
| | | | | |
| 1.16.6 | CHECK AND RESET RE-CIRCULATING WATER | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.7 | CHECK INDIVIDUAL SPRAY HEAD'S COOLING LINES | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.8 | CHECK AND TIGHTEN ALL CONNECTIONS | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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| 1.16.9 | CHECK OPERATION OF SOLENOID | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table> | | |
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SEALS

1.18.1 CHECK AND REPLACE IF IN DOUBT SEALS IN THE FOLLOWING AREAS:

	<u>CHECKED</u>	<u>REPLACED</u>
1. BURNER BACK PLATE INCLUDING SPLIT SEC. BURNER MOUNTING PLATE	<input type="checkbox"/>	<input type="checkbox"/>
2. ASH SUMP STAINLESS FRAME TO CASE	<input type="checkbox"/>	<input type="checkbox"/>
3. ASH DOOR ROPE SEAL	<input type="checkbox"/>	<input type="checkbox"/>
4. HOLES IN CHARGE DOOR FRONT PLATE (BEHIND STAINLES COVER PLATE) THROUGH WHICH REFRACTORY ANCHOR SCREWS PASS (ONLY BRICK LINED DOOR)	<input type="checkbox"/>	<input type="checkbox"/>
5. HOLES IN TOP OF CHARGE DOOR WHERE WIRE RODS WERE LOCATED TO ANCHOR REFRACTORY LINING	<input type="checkbox"/>	<input type="checkbox"/>
6. ON SOME CREMATORS THE ANCHORS WHICH HOLD THE CHARGE DOOR JAMB BLOCKS HAVE BEEN OMITTED. LEAKAGE CAN OCCUR THROUGH NUTS, WHICH ARE WELDED TO FRONT CASE ADJACENT TO EACH SIDE OF CHARGE DOOR. THESE SHOULD BE SEALED WITH HIGH TEMP. SILICONE	<input type="checkbox"/>	<input type="checkbox"/>
7. TOP PLATE TO FLANGE ON BOTTOM OF FLUE. CHECK LINDAPTORS FOR SEALING	<input type="checkbox"/>	<input type="checkbox"/>

N.B.THIS LIST IS NOT EXHAUSTIVE. CARE SHOULD BE TAKEN TO IDENTIFY AND SEAL ANY OTHER CRITICAL AREAS

NOTES

STATISTICAL INFORMATION

Information taken on _____ (date)

Total Running Time	
Total number of cremations	
Time since last service	
Cremations since last service	
Total cycle time	
Total cycle count	
Average cremation time	
Average production time	

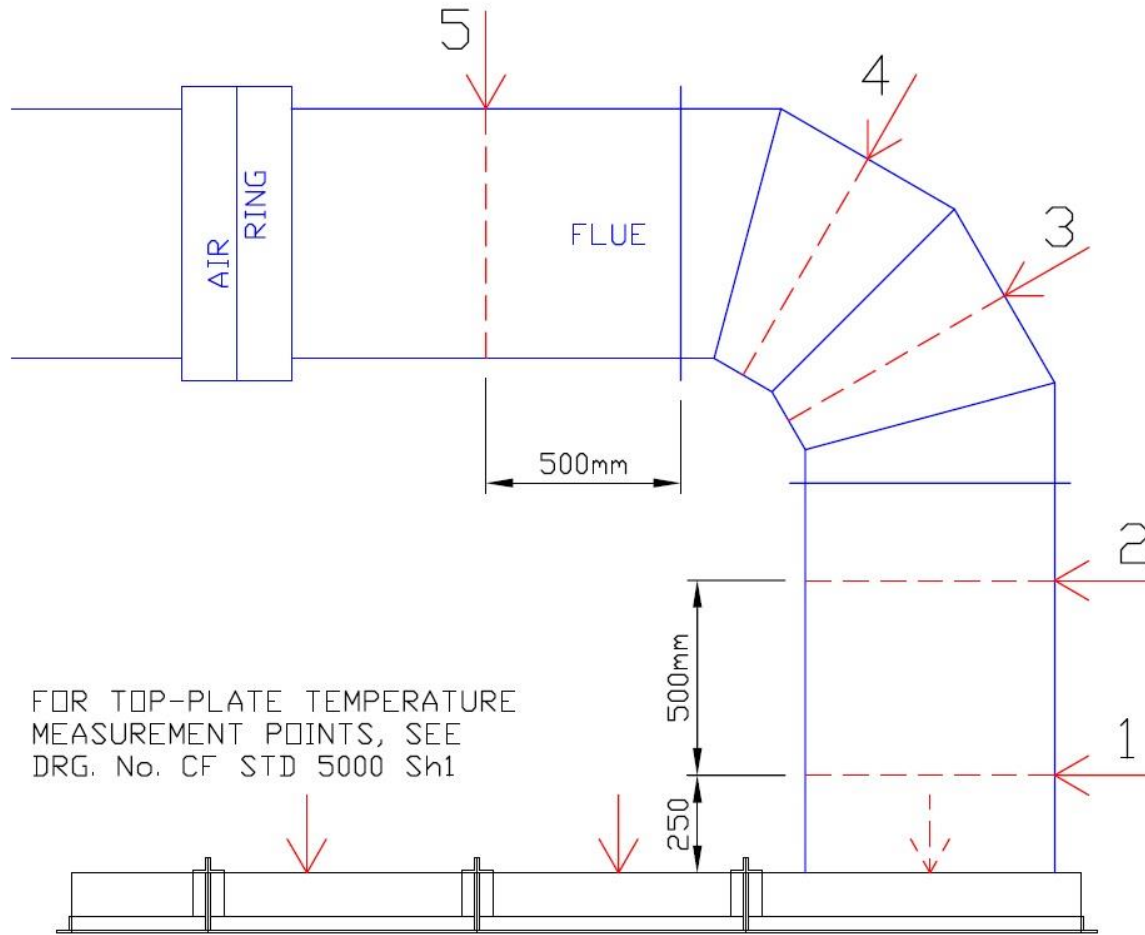
Version: (tick/complete as applicable)	MK II MKIII MKIV MKV UPGRADED TO MK__
----------------------------------------	--------------------------------------------------------------------------------------

Location of Flues within Building

Description

Please complete the attached diagrams relevant to the cremator being serviced. If the flue runs close to any building material, please take temperature readings, not only of the flue, but also of the surrounding building.

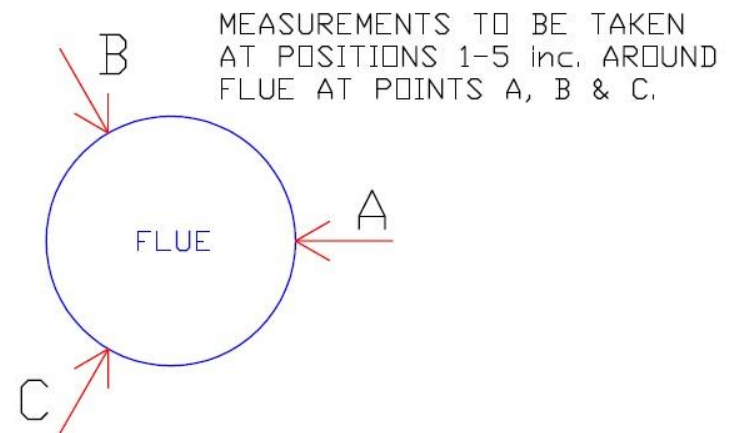
NOTES



FOR TOP-PLATE TEMPERATURE MEASUREMENT POINTS, SEE DRG. No. CF STD 5000 Sh1

NOTE:- IF THE FLUE IS AN EXTENDED VERSION TO THAT SHOWN ABOVE, ADDITIONAL MEASUREMENTS SHOULD BE TAKEN AT 500mm INTERVALS ABOVE POSITION 2 AND RECORDED SEPARATELY.

POSn.	TEMPS. °C		
	A	B	C
1			
2			
3			
4			
5			

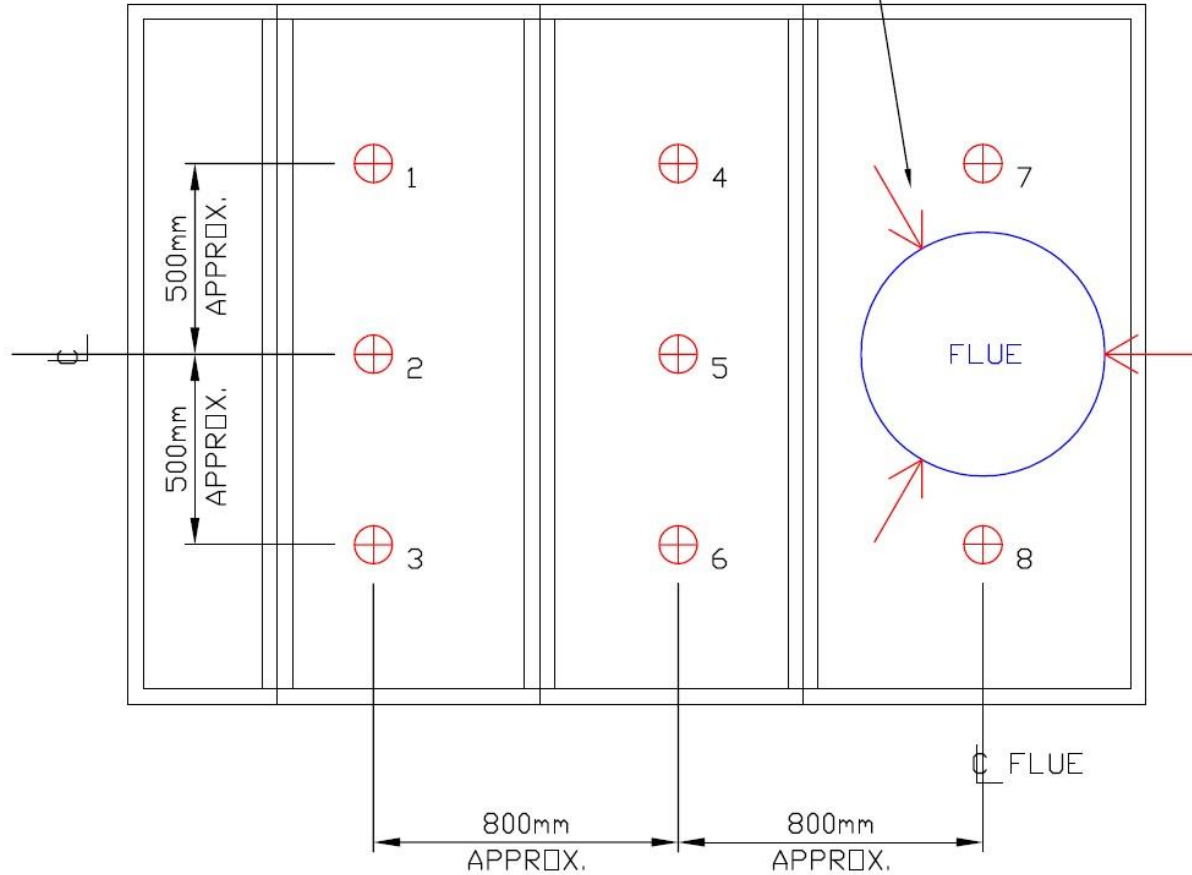


MEASUREMENTS TO BE TAKEN AT POSITIONS 1-5 inc. AROUND FLUE AT POINTS A, B & C.

ALL DIMENSIONS ARE IN MILLIMETRES

JOULE CREMATOR FLUE LAYOUT

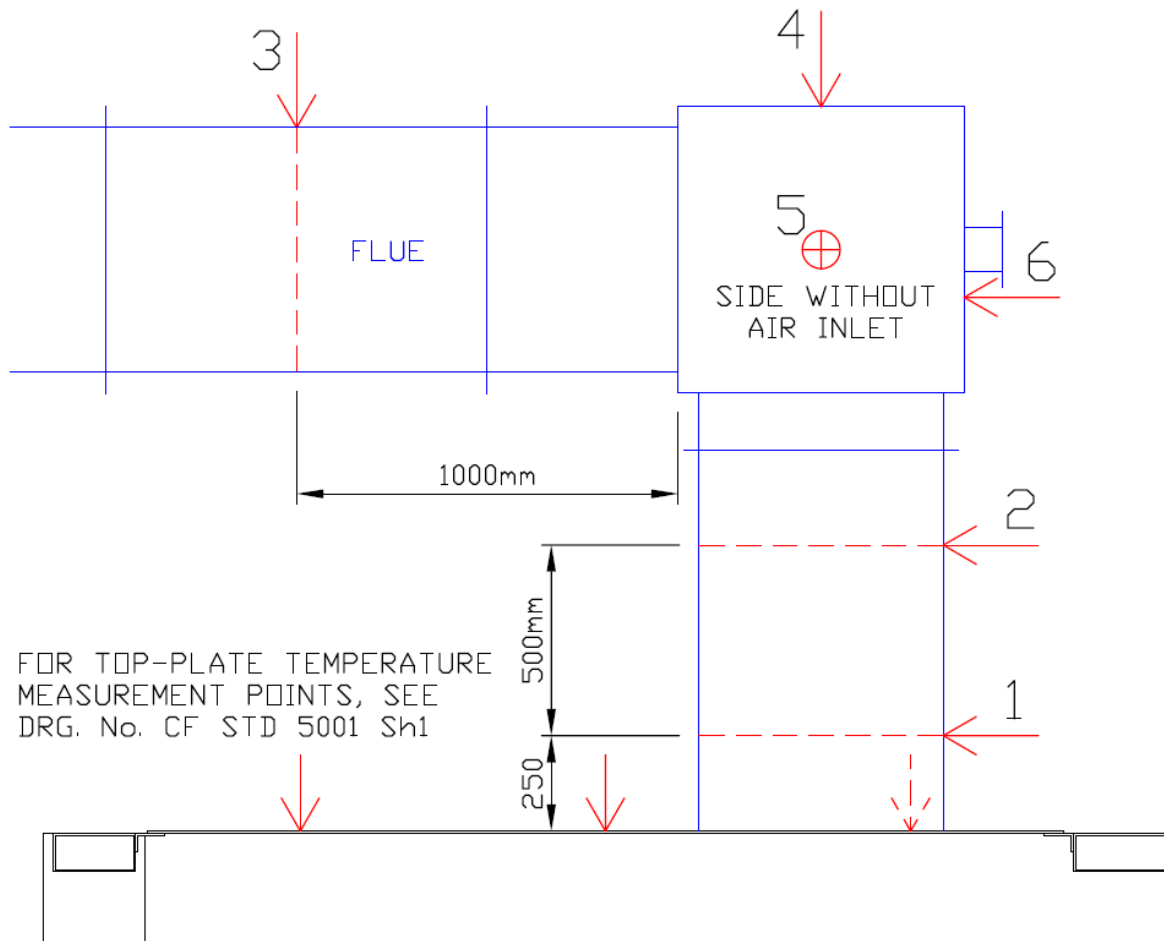
FOR FLUE TEMPERATURE
MEASUREMENT POINTS, SEE
DRG. No. CF STD 5000 Sh2



POSn.	TEMP. °C
1	
2	
3	
4	
5	
6	
7	
8	

ALL DIMENSIONS ARE IN MILLIMETRES

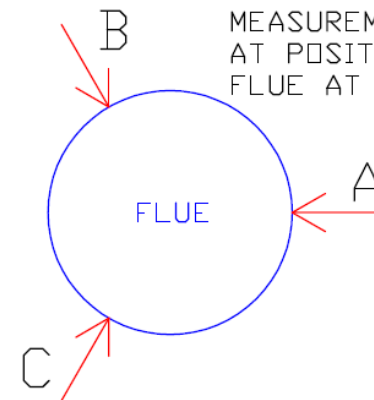
JOULE CREMATOR TOP PLATE



FOR TOP-PLATE TEMPERATURE MEASUREMENT POINTS, SEE DRG. No. CF STD 5001 Sh1

NOTE:- IF THE FLUE IS AN EXTENDED VERSION TO THAT SHOWN ABOVE, ADDITIONAL MEASUREMENTS SHOULD BE TAKEN AT 500mm INTERVALS ABOVE POSITION 2 AND RECORDED SEPARATELY.

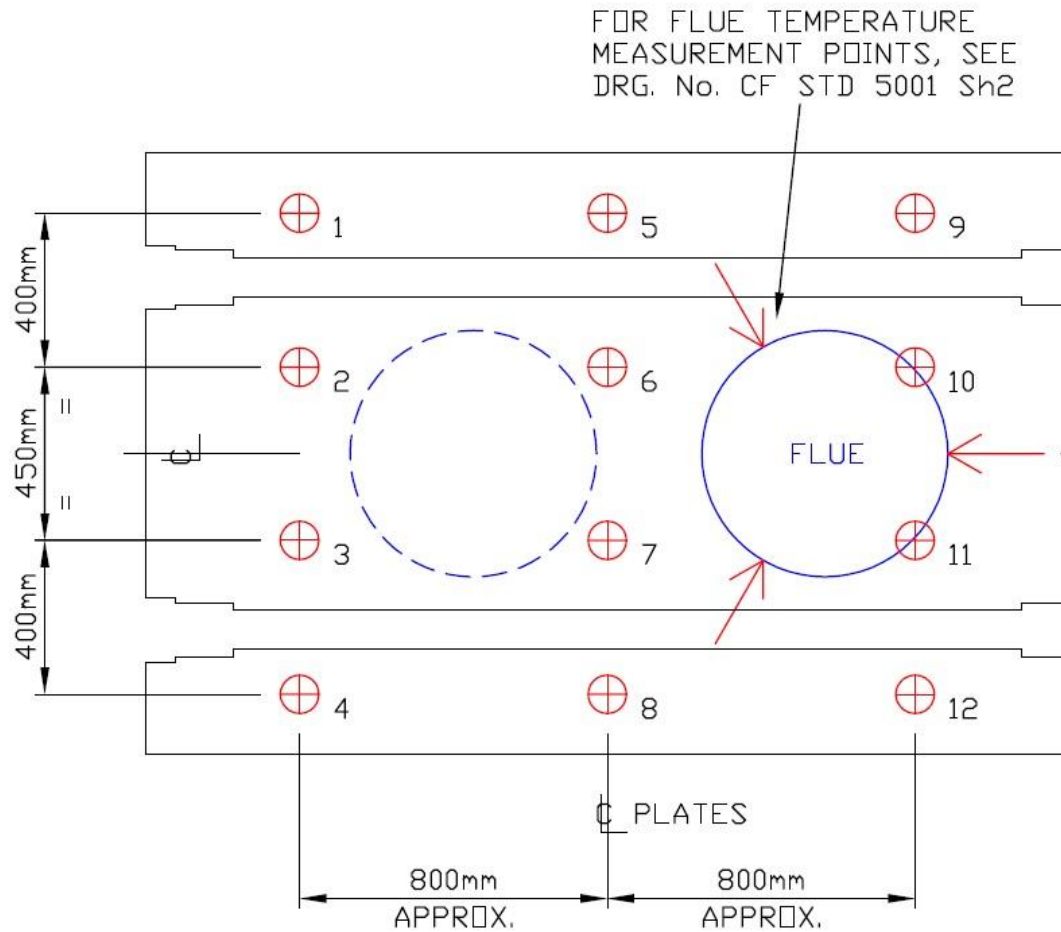
POSn.	TEMPS. °C		
	A	B	C
1			
2			
3			
4			
5			
6			



MEASUREMENTS TO BE TAKEN AT POSITIONS 1-3 inc. AROUND FLUE AT POINTS A, B & C.

ALL DIMENSIONS ARE IN MILLIMETRES

NEWTON CREMATOR FLUE LAYOUT



DUE TO POSITION OF FLUE, IT MAY NOT BE POSSIBLE TO TAKE MEASUREMENTS AT ALL THE POINTS SHOWN. IF NECESSARY, TAKE THE MEASUREMENT AT A POSITION TO ONE SIDE OF THE REQUIRED POINT OR POINTS, AND INDICATE ON THIS DRAWING THE POSITION USED.

NEWTON TOP PLATE

POS _n	TEMP. °C
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

ALL DIMENSIONS ARE IN MILLIMETRES

SPARE PARTS USED

Parts Supplied and Fitted During Service

Quantity	Description

Parts Used from Client's Stock

Quantity	Description

Environmental Monitoring Calibration Certificate

Contract No.		
Client		
Site Ref.		
Cremator No.		
Calibration Gas Batch No.		
Gas Composition		
Readings with Free Air		
Oxygen (should read 20.9%)		%
Carbon Monoxide (CO)		ppm
Readings with Calibration Gas		
Oxygen		%
Carbon Monoxide (CO)		ppm
NOTES:		
Date Calibrated		
Engineer		