

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

FACID Building MDO21

Date of Visit: 10-18-18

Contractor Personnel on Site:

1.	<u>Jim Moltz</u>
2.	<u>Pst. DeNOVEN</u>
3.	<u>RICK HICKS</u>

4.	_____
5.	_____
6.	_____

W/0 5940, 5941, 5942 + 5943

Service Calls – Service Call Number and Description

1. winterized chiller, drained outdoor loop  
2. energized gzs, zone pumps, circ pump  
3. tested boilers - #3 has no display

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CERTIFICATION OF WORK

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To be signed by the Contractor:

Print Name: James Moltz Date: 10-18-18

Signed: J. Moltz

To be signed by Facility Manager:

By signing the Certification of Work, the said government representative signature does not constitute acceptance of any work performed by the contractor, it only acknowledges that the contractor was on-site during the identified timeline:

Print Name/Rank: Oscar Oscar Date: 2018-10-18

Signed: [Signature]

E-Mail: Oscar.g.rios3.CIV@pdil.mil

**PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST**  
**BOILER - ELECTRIC, GAS, OIL**

**SITE AND BLDG #:** Kickville MP021

**MECHANIC SIGNATURE:** Patrick Deacon

**DATE:** 10/8/18

**LOCATION/RM #:** Mechanical Room **WO#** 5440 **ASSET #** 2594

**START TIME:** 8:00

**FINISH TIME:** 9:00

ITEM	DESCRIPTION	NOTES
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	<input checked="" type="checkbox"/> <u>Done</u>
2	Verify that the annual inspections for the boiler have been satisfactorily performed	<input checked="" type="checkbox"/> <u>Done</u>
3	Follow lock out-tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Wear appropriate respirator, goggles, and gloves while in contact with hazardous materials.	<input checked="" type="checkbox"/> <u>Done</u>
4	All automatically and manually operated control devices provided for controlling operation and safety of the vessel, steam or water pressure, hot water temperature, combustion, and boiler water level shall be inspected under operating conditions.	<input checked="" type="checkbox"/> <u>Done</u>
5	All associated valves and piping, pressure and temperature indicating devices, metering and recording devices, and all boiler auxiliaries shall be inspected under operating conditions.	<input checked="" type="checkbox"/> <u>all gear</u>
6	Prepare boiler for internal inspection in the following manner:	<input checked="" type="checkbox"/>
7	Fuel supply and ignition system shall be locked out.	<input checked="" type="checkbox"/> <u>Done</u>
8	Water shall be drawn off and water side thoroughly washed out.	<input checked="" type="checkbox"/> <u>Done</u>
9	Manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed.	<input checked="" type="checkbox"/>
10	The boiler shall be cooled and thoroughly cleaned.	<input checked="" type="checkbox"/>
11	All grates of internally fired boilers shall be removed.	<input checked="" type="checkbox"/>
12	Pressure gage(s) shall be removed and tested.	<input checked="" type="checkbox"/> <u>Done</u>
13	Any leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point.	<input checked="" type="checkbox"/> <u>No leakage</u>
14	Before opening the manhole and entering any part of the boiler, The required steam or water system stop valves must be closed, tagged, and padlocked. All drain valves or cocks located between the two valves shall be opened.	<input checked="" type="checkbox"/> <u>No leakage</u>
15	Inspector will not enter boiler until satisfied that necessary safety precautions and pre inspection preparations have been made	<input checked="" type="checkbox"/> <u>1/4</u>

16	If a boiler has not been properly prepared for an internal inspection, the inspector should decline to make the inspection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ready for inspection
17	If materials to be worked on are known or suspected to contain asbestos, check the building's asbestos management plan to see if they have been tested for asbestos. If they are suspect but have not been tested, have them tested. Manage asbestos in accordance with the plan.	<input checked="" type="checkbox"/>	N/A	Done
18	Account for all tools, materials, and equipment before closing boiler.			
1	Check boiler room for ventilation in accordance with the American Gas Association (AGA) burner requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	checked
2	Check operation of all gas controls and valves including: manual gas shutoff; petal gas regulator; safety shutoff valve (solenoid); automatic gas valve; petal solenoid valve; butterfly gas valve, motor, and linkage to airouver; safety petal solenoid (if used.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	all good
3	Check flue connections for tight joints and minimum resistance to air flow (combustion chamber, flues, breeching, and chimney are clear before firing.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	done
4	Draft regulators require slightly negative pressure in the combustion chamber at maximum input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	done
5	On forced draft burners, gas manifold pressure requirements should correspond with modulating (butterfly) valve in full open position and stable at all other firing rates.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	all good
6	Check burner for flashback and tight shutoff of fuel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No flashback
7	Check operation of automatic controls and combustion flame safeguards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	all work good
8	Clean and adjust, if necessary.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Replace fusible plugs, if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Operation and adjustments should conform with manufacturer's instructions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	checked

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

To be performed by: HVAC Technician

**Additional Notes:**

• Turned off circulation pump  
• Shut down selected chiller

• Drained water side of Chiller outside

• Opened all gas valves to boiler

• Opened water valves to boiler

• Went to E.M. S and switched System from Summer to winter

• Confirmed all auto valves are in correct position

• Turned on pumps / switch to "pump on" back up from summer to winter

• Turned on pump 3 condenser valves & pumps (need to replace screen on #3 boiler)

• #1 + #2 boiler in operating position waiting to be inspected

• If boiler thermostat needs to be jumped out or changed over in system