

PINELLAS COUNTY SCHOOL BOARD
FLORIDA

PCSB: 6145
Pay Grade: D11

FLSA: Non-Exempt

BOILER MECHANIC-JOURNEYMAN

MAJOR FUNCTION:

Performs skilled journeyman level work in the assembly, analysis and diagnosis of problems, repair, and preventative maintenance of gas and oil-fired boilers and related pressure vessels. Provides lead direction and training to subordinates. Work is performed under general direction with much independence, and reviewed through results obtained.

DUTIES AND RESPONSIBILITIES:

- Performs journeyman level mechanical work involving the installation, repair, and preventive maintenance of pressure vessels including layout, cutting, fitting, bolting, and welding of heavy metal plates, tubes and castings.
- Installs, alters, repairs and maintains high and low pressure steam or hot water systems, and related equipment.
- Performs stack work on support, mainstay and bonnet; works with internals (e.g., purging gases, rolling tubes, etc.) and externals (e.g. controls, piping, safety devices, etc.).
- Estimates supplies and costs; requisitions materials to effect needed repairs; reads blueprints and works from sketches; constructs templates to assist with layout.
- Directs helpers in the cleaning and repair of boilers and related equipment; insures safety procedures are followed.
- Pours castable refractory firebrick and other firebox insulation; removes and replaces defective firebrick.
- Tests assembled vessels for water or gas leakage; may patch boiler insulation with cement.
- Verifies dimensions of accessories to adapt boiler to location; lays out reference points for installation.
- Performs other work as assigned.

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a GED, plus four (4) years progressively responsible work experience in commercial and industrial gas and fuel oil fired heating systems. The successful completion of up to two (2) years of verifiable formal training in the trade (vocational, military, or indentured apprentice school) may be substituted for a like amount of the experience requirement. Possession of a valid State of Florida Class E noncommercial driver's license, and any other license as may be required by law.

ISSUED: 6/87 MW; BOARD APPROVED: 6/10/87; REVISED MQ'S: 2/90 MW; BOARD APPROVED: 3/14/90; MQ'S REVISED: 11/91 PBL; BOARD APPROVED: 3/25/92; REVISED WC: 4/04 LM.

The above statements are intended to describe the general nature and level of work being performed by employees assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities and duties required of those in this classification.

BOILER MECHANIC - JOURNEYMAN

<u>WORKING CONDITIONS & PHYSICAL EFFORT:</u>	Seldom Or Never	Monthly	Weekly	Daily	Hourly
1. Lift objects weighing up to 20 pounds					X
2. Lift objects weighing 21 to 50 pounds					X
3. Lift objects weighing 51 to 100 pounds				X	
4. Lift objects weighing more than 100 pounds				X	
5. Carry objects weighing up to 20 pounds					X
6. Carry objects weighing 21 to 50 pounds					X
7. Carry objects weighing 51 to 100 pounds				X	
8. Carry objects weighing 100 pounds or more				X	
9. Standing up to one hour at a time				X	
10. Standing up to two hours at a time				X	
11. Standing for more than two hours at a time		X			
12. Stooping and bending					X
13. Ability to reach and grasp objects					X
14. Manual dexterity or fine motor skills					X
15. Color vision, the ability to identify and distinguish colors				X	
16. Ability to communicate orally				X	
17. Ability to hear				X	
18. Pushing or pulling carts or other such objects				X	
19. Proofreading and checking documents for accuracy		X			
20. Using a keyboard to enter and transform words or data	X				
21. Using a video display terminal	X				
22. Working in a normal office environment with few physical discomforts	X				
23. Working in an area that is somewhat uncomfortable due to drafts, noise, temperature variation, or other conditions				X	
24. Working in an area that is very uncomfortable due to extreme temperature, noise levels, or other conditions		X			
25. Working with equipment or performing procedures where carelessness would probably result in minor cuts, bruises or muscle pulls				X	
26. Operating automobile, vehicle, or van				X	
27. Other physical, mental or visual ability required by the job	X				