



PLANT MAINTENANCE - PLUMBER & STEAMFITTER

APPENDIX A

D.O.T. CODE 862.281-030

O*NET CODE 47-2152.00

WORK PROCESSES

	<u>Approximate Hours</u>
A. Maintaining, repairing, replacing plumbing systems per applicable plumbing code(s).	3200
1. Sewer work.	
2. House drainage.	
3. Venting.	
4. Cold water supply and distribution.	
5. Hot water supply and distribution.	
6. Fixtures.	
B. Maintaining, repairing, replacing hot water heat systems.	800
1. Gravity systems	
2. Forced circulation- 1- and 2-pipe systems	
C. Maintaining, repairing, replacing steam heat systems.	800
1. 1 pipe	
2. 2 pipe	
3. Vapor	
4. Vacuum	
D. Maintaining, repairing, replacing, connecting lead pipe, block tin pipe, carbonic gas pipe and sheet lead work.	400
E. Welding in connection with the pipe fitting industry.	1000
F. Maintaining, repairing, replacing piping, and hanging	400

and fitting units and fixtures for air conditioning, cooling and refrigeration work.

G.	Maintaining, repairing, replacing, and placing process and power piping; pneumatic tube pipe work.	400
H.	Maintaining, repairing, replacing, setting, erecting, and placing pipe for oil burning units, including package units.	400
I.	Setting, erecting, and placing piping for use with instrument measurement devices, thermostatic controls, gauge boards, and other controls used in connection with plant work.	400
J.	Troubleshooting, repairing, servicing, and dismantling plumbing and piping throughout the plant.	1400
K.	Working on refrigeration and air-conditioning systems.	800
	1. Maintaining, servicing, repairing, and setting refrigeration and air-conditioning systems and their components, including: compressors, pumps, meters, pneumatic and hydraulic controls, and piping.	
	Total hours	10000

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAQS.pdf>

APPENDIX B

PLANT MAINTENANCE - PLUMBER AND STEAMFITTER

RELATED INSTRUCTION

History of Plumbing

Organization of Plumbing Industry

Mathematics Applied to Plumbing

Elementary Drawing for Plumbers

Plan Reading for Plumbers

Plumbing Materials and Practical Training

Fixtures and Appliances Generally Used

Safety and Accident Prevention

Asbestos Awareness – minimum 4 hours (see attachment)

Physics Applied to Plumbing

Bacteriology for Plumbers

Chemistry Applied to Plumbing

Water Sources

Sewage Disposal

Water Pollution in Plumbing Systems

Plumbing Code

Soil and Waste Lines

Venting

Refrigeration and Air Conditioning

Sexual Harassment Prevention Training – minimum 3 hours

First Aid – minimum 6.5 hours every 3 years

144 Hours of Related Instruction are Required for Each Apprentice for Each Year.

ATTACHMENT TO APPENDIX B

Asbestos Awareness

This course must be delivered by one of the following:

1. A provider currently approved by the New York State Department of Health to deliver asbestos safety training.
2. A person holding a current Asbestos Handler certificate from the New York State Department of Labor in the title of: Inspector, Supervisor, Project Monitor, Management Planner, or Project Designer.
3. Anyone otherwise approved by the New York State Education Department.

Minimum course contents must include the following:

1. Definition of asbestos
2. Types and physical characteristics
3. Uses and applications
4. Health effects:
 - Asbestos-related diseases
 - Risks to families
 - Cigarette smoking
 - Lack of safe exposure level
5. Employer-specific procedures to follow in case of potential exposure, including making a supervisor or building owner immediately aware of any suspected incidental asbestos disturbance so that proper containment and abatement procedures can be initiated promptly.

Notwithstanding the above course requirement, employers are advised that they must also be in compliance with New York State Department of Labor Industrial Code Rule 56 at all times.

Employers are further advised, and must advise all apprentices, that completion of the above course requirement does not authorize any person to remove, encapsulate, enclose, repair, disturb, or abate in any manner, any friable or non-friable asbestos, asbestos containing material, presumed asbestos containing material, or suspect miscellaneous asbestos containing material.