

PLU 121 - COMMERCIAL PLUMBING

Course Description

Through structured classroom and hands-on skill building, the student will learn to read commercial drawings, install hangers, supports, structural penetrations, and fire stopping, installation and testing DWV piping. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

PLU 105

Course Learning Outcomes

Knowledge:

- Identify the use of hangers and supports.
- Describe how to create penetrations.
- Explain proper fire stopping procedures.
- Demonstrate familiarization of installation and testing of DWV piping.

Application:

- Evaluate symbols and measurements on Blueprints.
- Design proper support and hanger arrangements for piping.
- Identify proper structural penetration and fire stopping techniques and applications.
- Perform proper installation and testing of DWV piping.

Integration:

- Discuss the value of accurate blueprint reading.
- Compare and contrast different real world application of hangers and supports for piping.
- Relate application of codes pertaining to structural penetrations and fire stopping.
- Distinguish consequences and benefits of proper installation and testing of DWV piping.

Human Dimension:

- Conclude the value of blueprint reading will establish accurate and complete job preparation and completion.

Caring - Civic Learning:

- Evaluate how proper safety techniques can save lives and property.

Learning How to Learn:

- Reflect on the wide range of commercial applications for plumbing.