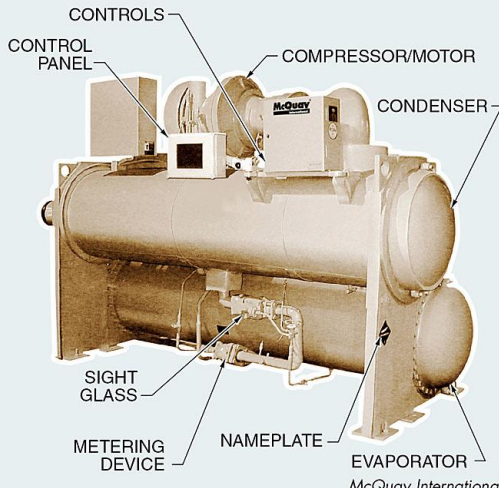


Facility Engineer Program

Chillers



HVAC Central Plants – (24 hrs/6 classes)

Tuition: \$470

BOOKS: HVAC & R 6-Part Series Workbooks

\$90

TOPICS COVERED:

- Chillers
 - Installation
 - Maintenance
 - Troubleshooting
- Chilled water systems
 - Pumps & piping
- Compressors
- Condensers
- Cooling towers
 - Water treatment
- Air handling systems
 - Air handler calibration
 - VAV/Variable Air Volume systems
- Complete system troubleshooting

CLASS DATES: November 3 - December 15, 2017

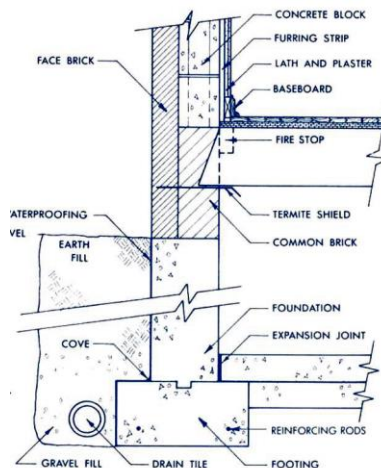
INSTRUCTOR: Kenneth Ellis (for all three courses)

Boiler Operations – (40 hrs/10 classes) Tuition: \$750

BOOKS: Boiler Operator's Workbook (w/ CD-ROM) \$85

TOPICS COVERED:

- Boiler theory and principles
 - Firetube, watertube, cast iron, & other boiler types
- Boiler construction and design
- Steam systems and controls
 - Safety valves, vents, other valves, and piping
- Water supply systems and controls
 - Pump theory and types
- Water treatment systems and controls
- Fuel systems and controls
 - Coal, fuel oil, and fuel gases
- Draft & flue gas systems and controls
- Instrumentation and control systems
- Boiler operation and maintenance
 - Start-up and shutdown procedures
 - Maintenance and troubleshooting
- Boiler system optimization



Blueprint Reading

(8 hrs/2 classes)

Tuition: \$160

BOOKS: Blueprint Reading \$45

TOPICS COVERED:

- Introduction to blueprints
- Sheet metal drawings
- Piping and plumbing drawings
- Electrical drawings
- A/C and refrigeration drawings

DATES: January 5 & 12, 2018

DATES: Aug 25 - Oct 27, 2017

TOTAL COST: \$1,600 (tuition \$1,380 + books \$220)

All classes are held on Friday nights from 5 - 9pm.

For more information: 702-948-9000 or www.ntitraining.net

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