



Steam to Hot Water Converter

Steamfitter/Pipefitter

POST-SECONDARY

Day 1: Heat Exchanger and Steam Piping

Description of Tasks

Competitor will install the required associated steam and condensate piping as required by provided installation drawings.

Timeline:

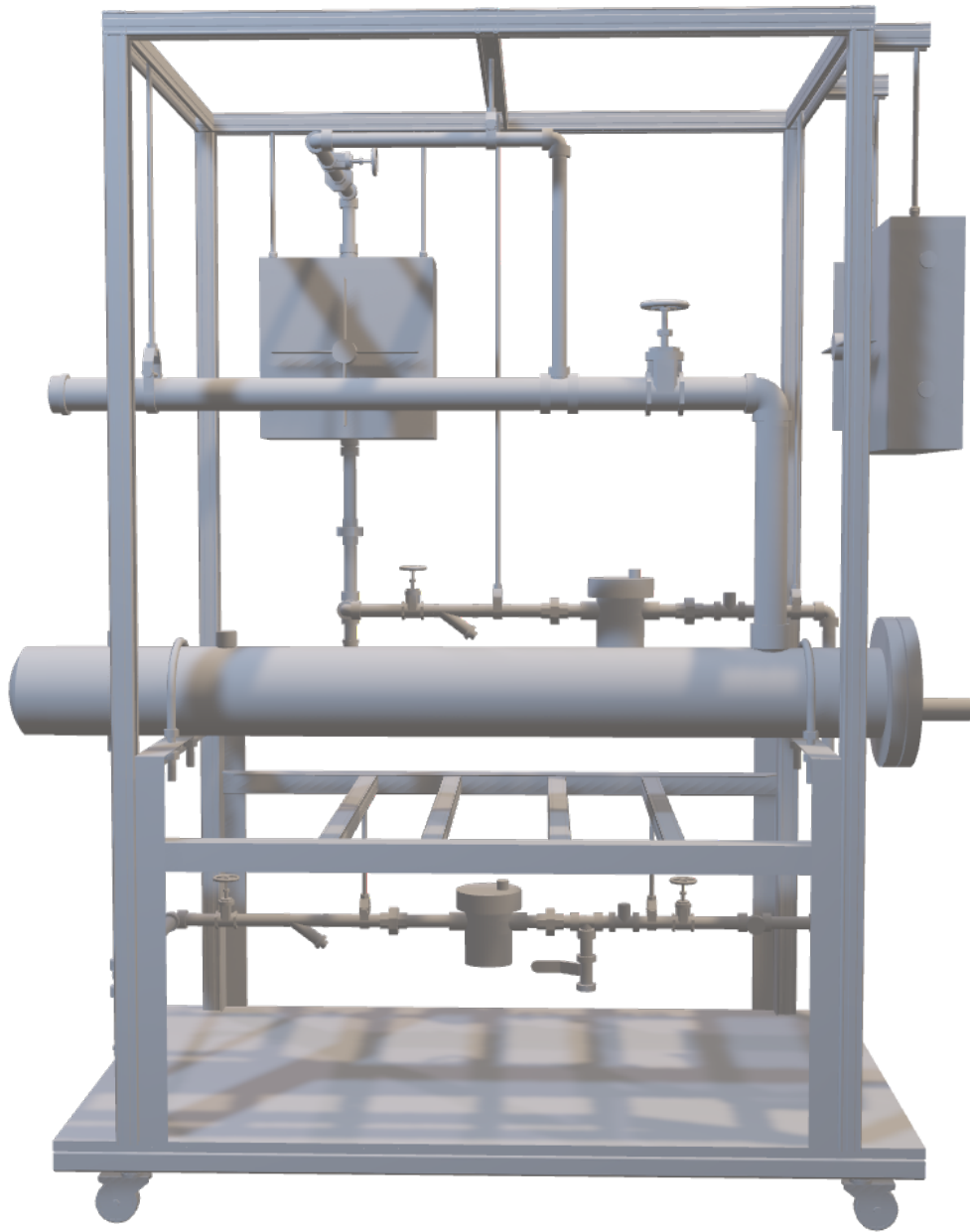
6 Hours

Objective:

Fabricate and install Low Pressure Steam supply and condensate piping to heat exchanger and Steam Unit heater based on supplied drawings. Piping may be Threaded or Press fit as per drawing requirements.

Instructions:

You will be required to follow the given project specifications that will be provided with the included individual isometric piping drawings at the start of the competition. All Steam piping must be installed and will be marked following day 1 activities. Judges will be tracking the order of operation provided and any additional installation instructions that are given. Quality, consistency, and accuracy are of the utmost importance in this competition.



Picture is for illustration purpose only. Final project could differ.

Day 2: Hydronic Piping and related Instrumentation piping

Timeline:

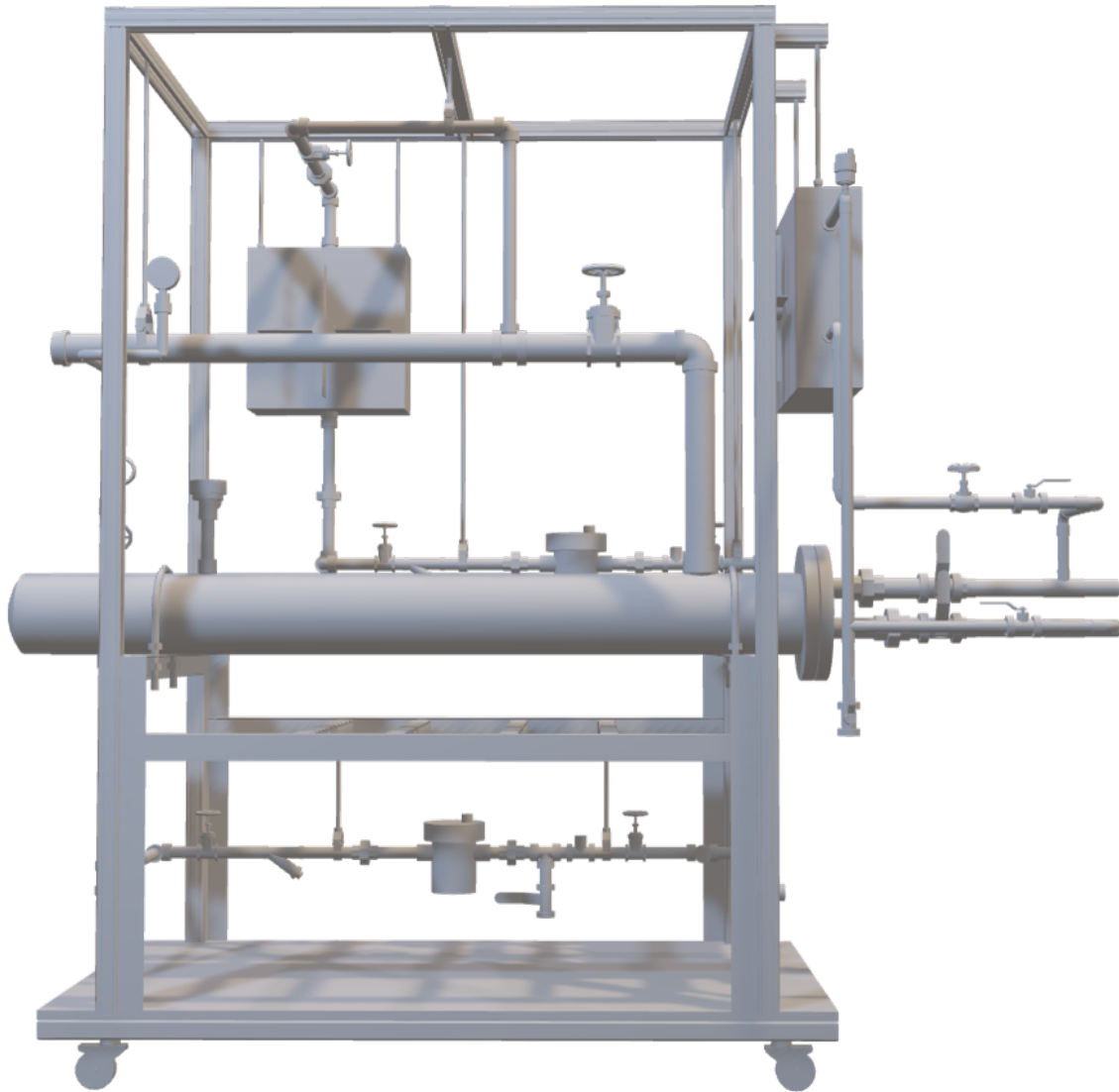
6 Hours

Objective:

Fabricate and install Low Temperature Hot Water supply and return piping from Heat Exchanger to Hot Water Unit Heater and completion of related Instrumentation piping as per supplied isometric drawings. Piping may be press fit, threaded, flared, tube bent, soldered, or brazed based upon drawing requirements.

Instructions:

You will be required to follow the given project specifications that will be provided with the included individual isometric piping drawings given on day 2 of the competition. All Hydronic piping and instrumentation piping will be marked following day 2 activities. Judges will be tracking the order of operation provided and any additional installation instructions which are given. Quality, consistency, and accuracy are of the utmost importance in this competition.



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READING



PROBLEM SOLVING