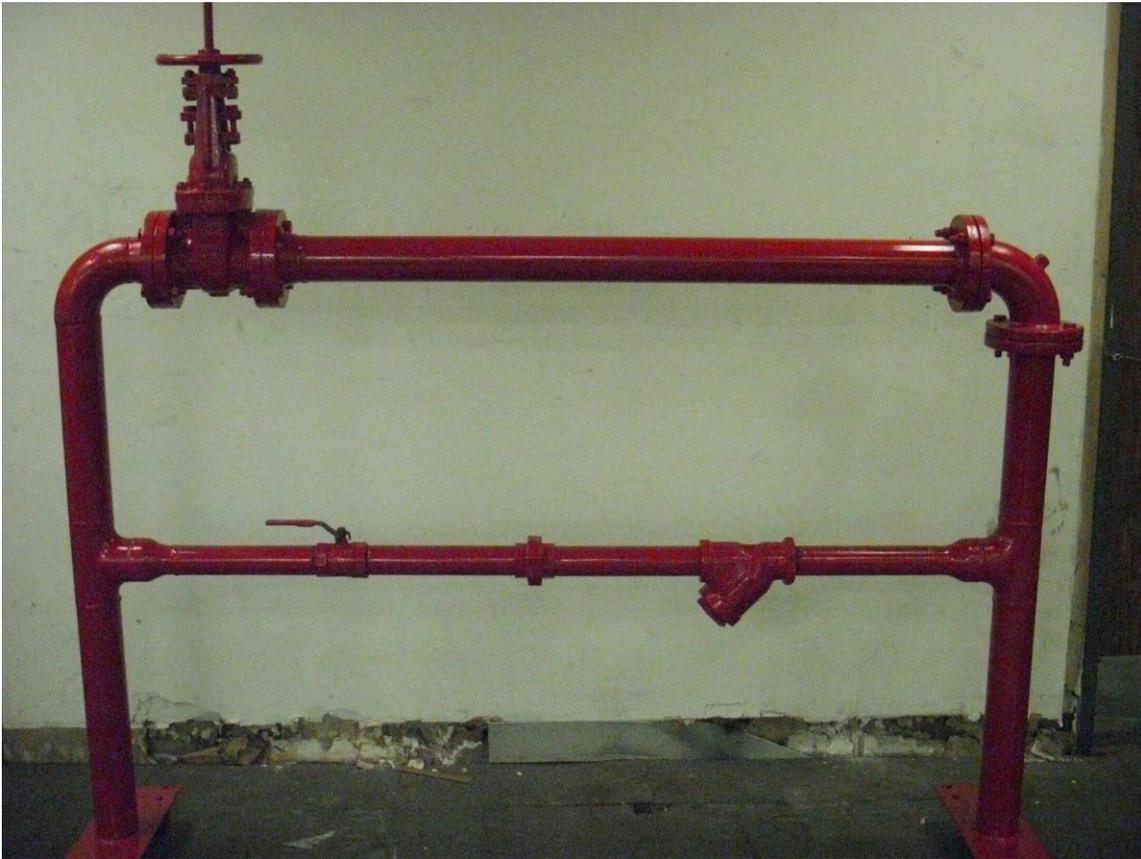




Commercial Competition
February 7, 2019
Pasadena Convention Center



Insulation - 2" Thick Fiberglass w/ ASJ/SSL

Finish - .020 PVC Jacket

1ea 3" LR 90

1ea 3" 150# Gate Valve

1ea 3" Flanged 90 (Do not Insulate - Terminate at flange less bolt length + 1")

2ea 3" Tees

1ea 2" Ball Valve

1ea 2" Union

1ea 2" Strainer

6 lf 2" Pipe

12 lf 3" Pipe

Written Exam

The following materials will be needed for the written portion of the Craft Olympics

Pen or Pencil
Calculator
Scratch pad

Application

The Mock-up will be assigned to a two contestant team. This is timed event based on a heating hot water specification.

Each Team will insulate the mock up with 2" Fiberglas Insulation and apply .020 PVC Jacket down to the base in the 3 inch line including the LR ell, 3" valve, 3" reducing tees, 2"strainer, 2"union and 2" ball valve.

Butt joints and lateral joints shall be tight.

Ells, Tees, Valves are to receive full thickness of rigid insulation (no diapers). Fill voids in valve body and Flanged Ell with insulating blanket.

Termination points at valves and flanges shall be the length of the bolt plus 1 inch except at the connected ell.

All flanges and valves shall have the insulation installed with a 3"overlap on the pipe covering. Any gaps between the flange/valve covering and the pipe covering shall be filled with insulation material.

PVC covers will be applied to the ells and PVC jacket applied using Selfseal tape shall be used in lieu of PVC cement on laps. All exposed ends will be capped with PVC and caulking applied to seal any edges or holes.

Suggested Tools required (Each sponsoring Company shall be responsible for providing and furnish standard mechanic tools for fiberglass insulation and PVC jacketing installation.

Handsaw	Scratch Awl
Notcher	Aviator snips
Knife	Caulking gun
End nippers	Compass Dividers
Respirators	Ruler / Tape Measure

Safety

PPE required

SWICA is providing:

Hard hat

Safety Glasses

Gloves

Long sleeve shirt

Ear plugs

You must wear: Safety toe shoes
 Long pants
 Respiratory Protection

First Aid Kit and MSDS Sheets will be posted at booth #406 – Duna USA