How to set up specs in AcornPipe (4:50)
http://www.screencast.com/t/8kBt8Obbd2s

Shows how to edit an existing spec.

Minute-by-minute contents:

0 Minutes
Choose a spec.
Edit Walls and Ratings.

1 Minutes
Edit buttweld end prep.
Tip:Don't use plain end for any BW end prep.
Pick 150# flange rating.
For flange face, pick Raised Face.
Pick 3000# Fitting rating.

2 Minutes
Socket weld pullback.
Set Buttweld gap to zero.
Edit pipe and fitting materials.

3 Minutes
Set up the fitting menu choices.
Tip: Select only one type of elbow.
This speeds up drawing, and you can always display more choices if needed.

Drawing an Isometric with AcornPipe (13:30)
http://www.screencast.com/t/aZmjrKLiiW

The basics of drawing pipe, elbows, tees, caps, weldolets, sockolets, reducers and valves.

Minute-by-minute contents:

0 Minutes:
Start a new fabrication drawing.
Locate the start point.
Specify the initial drawing direction.
Choose which spec to use.
Pick the initial size as 10 inch.

1 Minute:
Draw a Weld Neck Flange.
Orient the flange image as desired.
Add a vertical pipe and place its item tag.

2 Minutes:
Add a 90 elbow and point it North.
Locate the dimension from the flange face to the dimpoint of the elbow.

3 Minutes:
Enter the dimension.
Add a horizontal pipe going North.

4 Minutes:
Add a 45 elbow, going up at 45 degrees.
Place a dimension from the 90 elbow to the 45 elbow.
Add pipe, extending the offsetbox.
Use a 45 elbow to return to the horizontal.
Dimension the offsetbox diagonal.

5 Minutes:
Add a 10x6 reducing tee.
Point the branch of the tee straight down.
Place a fitting dimension.
Add a slip-on flange to the header.

6 Minutes:
Draw a 6 inch pipe on the branch of the reducing Tee.

Add an eccentric reducer, going up to 10 inch size.

7 Minutes:
Orient the eccentric reducer flat side north.
Add another piece of pipe and finish it with a cap.

8 Minutes:
Use F4 to refresh the screen and update the bill of materials, including item tags.

9 Minutes
Click on the horizontal 10 inch header to bring up the branch menu.
Add a branch consisting of a 4 inch standard weldolet pointing up, plus a piece of pipe.
End the branch with a weld neck flange.

10 Minutes
So far everything has been in the N-S plane.
Add a sockolet pointing East.
Add a one inch pipe and a 90 SW Elbow.

11 Minutes
Add a 4" long PBE pipe nipple and a SW Gate Valve.

12 Minutes
Give the SW Gate valve a weight and a dimension.
Now focus on the bottom end of the vertical pipe.
Take the cap off the end of the vertical pipe.
To remove the cap, press F11, click on the item tag and press Delete.
Click on the open end, add an elbow, a pipe,and a weld neck flange.

13 Minutes
Press F4 to update the item tags and the bill of materials.

How to Duplicate a Branch (3:40)
http://www.screencast.com/t/VRM7ceL48u

Minute-by-minute contents:

0 Minutes:
Copy a branch that starts with a sockolet or weldolet and paste it back onto the same pipe or a similar pipe.
Dimension the location of the branch along the header.

1 Minute:
How to copy a branch that starts with a tee or a lateral.

2 Minutes:
How to move a group of items across the path of a pipe so that the pipe offers to connect to the group.

3 Minutes:
How to adjust the position of a branch along a header using the numeric keypad.

How to Draw Jacketed Pipe (12:10)
http://www.screencast.com/t/mQSvuI4OKm

Minute-by-minute contents:

0 Minutes:
Start new drawing, choose JACKET spec, draw the 2 inch jacket.

1 Minute:
Draw the 1 inch steam piping, including nozzles and SW fittings.

2 Minutes:
Show the jacket using extra lines. Move the nozzles so they are clearly on the jacket and not the core piping.

3 Minutes:
Draw the core, including lap-joint flanges and stub ends.

4 Minutes:
Move the core into position, reposition dimensions.

5 Minutes:
Add blank items to hold accessory welds where the core passes through a cap.

6 Minutes:
Reposition item tags.

7 Minutes:
Dimension the branch locations, adjust the length of the core.

8 Minutes:
Delete and re-create a dimension, create the weld map.

9 Minutes:
Reposition weld tags.

10 Minutes:
Update the weld list, entering diameter inch counts for accessory welds.
Save the drawing to get the welds into the labor listing.

11 Minutes:
Enter welder IDs, weld dates, NDE information.