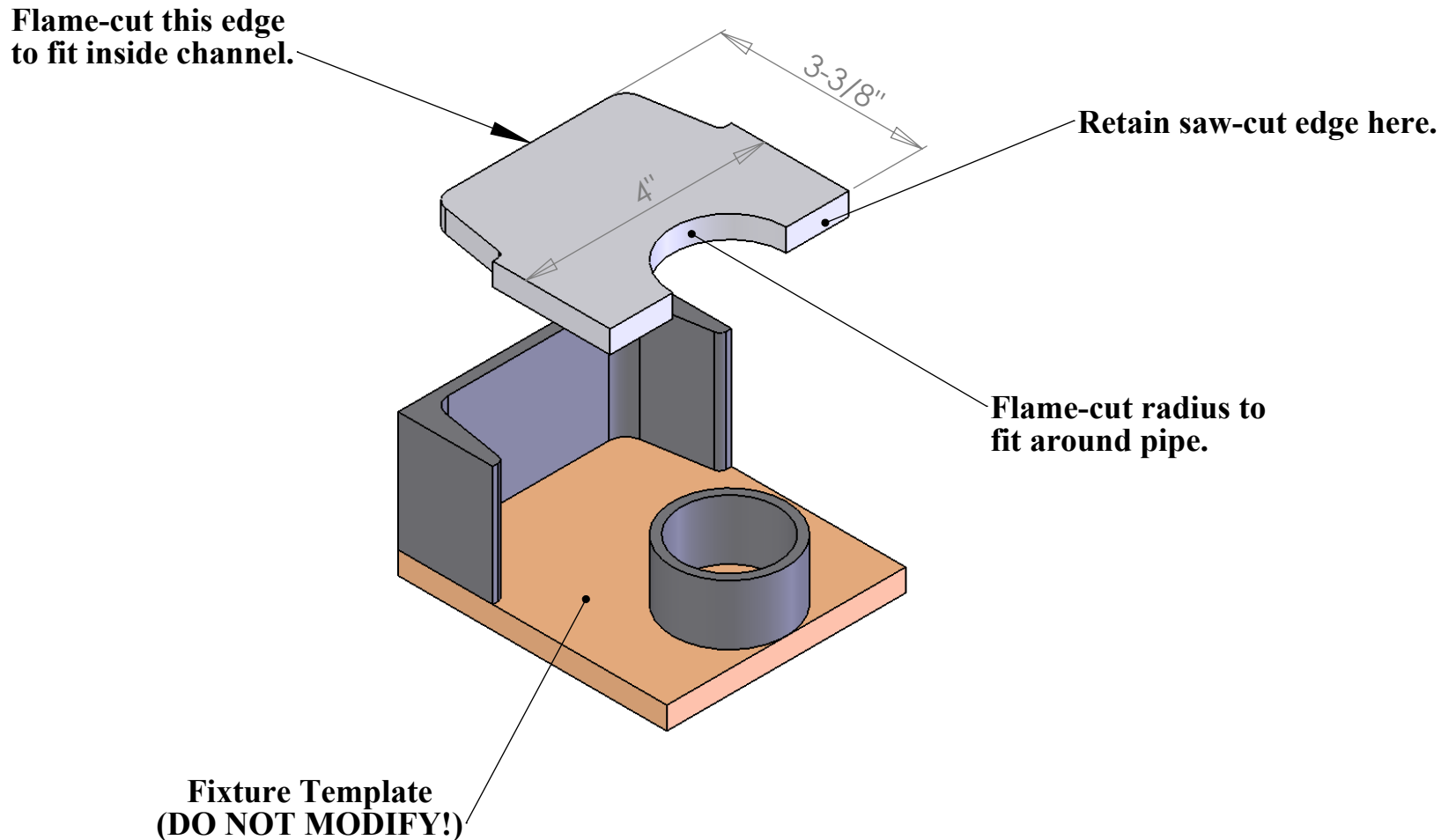


## FFA Ag. Mechanics State Finals 2025 Oxy-Fuels Skills: Cutting

### Procedure:

You will be issued one piece of  $3/8" \times 4" \times 4"$  HR flat material, and a fixture template. Cut the flat material with the oxy-acetylene torch so that it fits properly between the inside of the channel and the pipe on the fixture. Note that the saw-cut edge nearest the pipe is to be retained. The finished dimension from the saw-cut edge to the flame cut edge (against the inside of the channel) is to be  $3-3/8"$ . **DO NOT CUT OR MODIFY THE FIXTURE!! DO NOT FORCE YOUR MATERIAL INTO THE FIXTURE TEMPLATE.** When finished, quench the cut piece, write your contestant number on it, and the backside of this sheet, and submit both to the judges.



<b>Contestant No.</b>
<b>Name</b>

# FFA Ag. Mechanics State Finals 2025

## Oxy-Fuel Skills: Cutting

### Score Sheet

<b>Score</b>
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**Points Possible    Points Earned**

**Safety and work habits**

**5**

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**Overall Geometry & Finish**

Edges parallel with fixture

**4**

Saw cut edge retained

**4**

3-3/8" Dimension (-1 pt per 1/16" error)

**6**

Cuts smoothness

**5**

Cut squareness

**5**

Absence of slag

**5**


**Fit with channel**

Left side (-1 pt per 1/16" gap)

**4**

End (-1 pt per 1/16" gap)

**4**

Right side (-1 pt per 1/16" gap)

**4**


**Fit with pipe**

Concentricity

**4**

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**Totals**

**50**

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