Kentucky CTE

Advanced Manufacturing: Metal Fabrication: Radial Line Development 480814 (2026–2027)

Apply safety rules and procedures. 1

1 Apply safety rules and procedures. 1

Use and care for tools and equipment. 2

2 Use and care for tools and equipment. 2

Interpret building trades blueprints. 3

3 Interpret building trades blueprints. 3

Measure sheet metal to determine the available space for assembly pattern. 4

4 Measure sheet metal to determine the available space for assembly pattern. 4

Use the radial line method to lay out sheet metal patterns. 5

5 Use the radial line method to lay out sheet metal patterns. 5

Select sheet metal gauges for patterns. 6

6 Select sheet metal gauges for patterns. 6

Cut sheet metal with aviation snips. 7

7 Cut sheet metal with aviation snips. 7

Cut sheet metal with straight snips. 8

8 Cut sheet metal with straight snips. 8

Fabricate residential and commercial heating and air conditioning ductwork. 9

9 Fabricate residential and commercial heating and air conditioning ductwork. 9