Figure 40: Soldering Joint Designs

1. Sealing ... To provide a liquid- or gas-tight seal in a joint made strong by lock seaming, riveting or spot welding. (Ducts, gutters, roof decks)

2. Filling ... To fill open crevices and round out corners for sanitary, corrosion resistance or appearance purposes. (Sinks, ornamental trim, baggage racks)

3. Making a low-strength joint ... To make a lap joint where load carrying ability is not important. (Boxes, sign letters, mock-ups)