



**American Welding Society**



# **Guide for the Design of a Welder Training Facility**

# **Guide for Setting Up a Welder Training Facility**

**Prepared by the  
Technical Education Committee**

**Under the Direction of the  
Education Committee**

**For the  
American Welding Society**

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# **1. GENERAL**

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## **1. Scope**

This manual defines the physical requirements of a welding instruction facility. It is intended to give guidance to institutions that desire to build or convert facilities to train welders to produce welds using the manual and semi automatic welding processes commonly found in industry. In addition, this guideline provides a list of equipment and supplies that are normally needed to facilitate training and the welding operations themselves. This guideline does not purport to be all-inclusive. Modifications should be made to this guideline to best accommodate the facilities and budget of the institution that is implementing a welding instruction program.

## **1.2 Objectives**

- A) To provide guidance to facility planners in the provision of safe and efficient facilities for the teaching of welding skills.
- B) To assure that needed electrical service, lighting, ventilation and other environmental concerns are addressed in the facility planning stage.
- C) To maximize the quality of the educational experience of the welding student while in the facility.
- D) To provide basic guidance in responding to fire, life safety and environmental regulations as they pertain to welding instructional facilities and equipment.