



# Safety SOP

## Cutting & Welding

### Proper PPE

- ❖ Safety glasses and Face shield (#5 for Cutting)
- ❖ Safety glasses and Welding Hood (Welding)
- ❖ Hearing protection
- ❖ Long sleeves (non-poly blends)
- ❖ Appropriate cutting/welding gloves
- ❖ Flame-resistant welding jackets (as required)
- ❖ Respiratory protection (as required)
- ❖ Knee pads (as required)



### Area setup

- Gas cylinders** – Will be secured in a cart or secured using nine wire or chain to a substantial pillar or structure away from the hot work activities.
- Flammable Materials** – Will be removed from area or covered with fire blanket.
- Hose/lead management** – Will be organized and routed utilizing covers or hooks to prevent exposure to foot traffic in walkways
- Fire extinguisher** – Accessible within 25 feet from hot work activities.
- Fire watch** – To be utilized when applicable (i.e., below aerial work)
- Identify** – Identify workers and permanent materials within proximity and implement appropriate safeguards (i.e., signage, screens, fire blanket, barricade, etc.) to protect from hazard exposure

### Keep in mind

- ❖ Gas cylinders are to have the safety caps installed when not in use or being transported.
- ❖ Always shut off and remove regulators before leaving the work area.
- ❖ Never route welding leads or gas hoses over sharp edges or metal surfaces.
- ❖ Inspect all hoses and leads for leaks or cuts.
- ❖ Work area should have proper ventilation.
- ❖ Verify if a hot work permit is needed.
- ❖ Utilize proper grounding while welding

