Industrial Facility Identification

Creating and Sustaining a Visual Workplace

① Lockout Tagout

The Challenge: Keep employees safe when servicing machines and equipment.

Lockout Tagout is one of the most cited regulations in general industry by OSHA, and it is estimated that it prevents 120 fatalities and 50,000 injuries annually.

The Standard:

- OSHA 29 CFR 1910.147 (The Control of Hazardous Energy) for General Industry
- OSHA 29 CFR 1915.89 (The Control of Hazardous Energy) for Maritime Industry

▶ **Brady Solutions:**

- **Visual Lockout Procedure Writing Service:** A sustainable safety solution in which Brady engineers come to your facility and develop your machine-specific lockout procedures.

- **Lockout Software:** LINK360® software enables users to easily create procedures, view upcoming audits and sustain their lockout program, while the Brady Workstation Lockout Writer app makes label, tag and procedure creation quick and simple.

- **Safety Padlocks:** Plastic, steel, and aluminum padlocks designed exclusively for lockout tagout.

- **Energy Isolation Devices:** Complete line of devices to lock out mechanical, electrical, and valve isolation points.

- **Lockout Tagout Kits and Stations:** Keep devices and padlocks handy and organized. (Stock or custom)

- **Training Tools:** Training videos, safety posters and more.

② Safety Signs & Labels

The Challenge: Prevent costly accidents before they occur.

Employers are responsible for posting safety signs to warn of hazards, provide information on the needed PPE equipment and promote a safe work environment. Safety signs and labels can save lives, reduce accidents and enhance productivity.
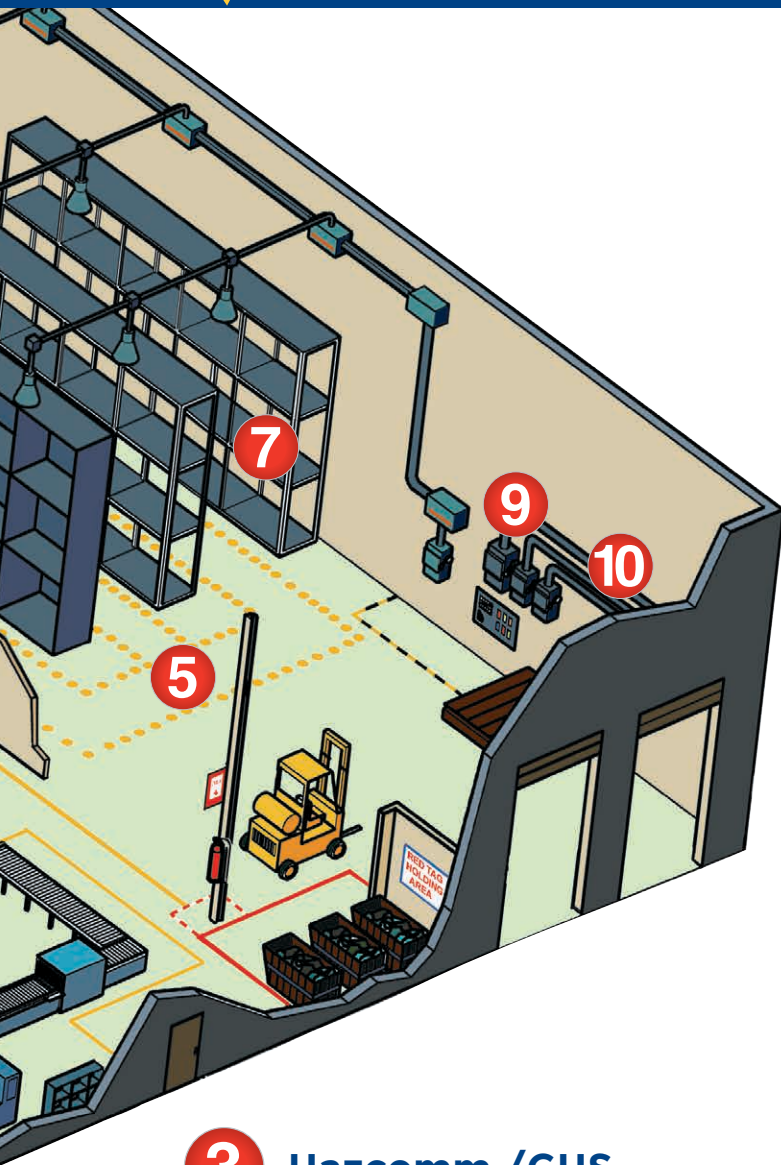
The Standards:

- 29 CFR 1910.144, Safety Color Code
- 29 CFR 1910.145, Accident Prevention Signs and Tags
- ANSI Z535.1-2011, Safety Colors
- ANSI Z535.2-2011, Environmental and Facility Safety Signs
- ANSI Z535.5-2011, Tags and Barricade Tapes

▶ **Brady Solution:**

Brady offers nearly 30,000 standard and customizable safety signs, including warnings for chemicals, electrical hazards, PPE, fire, and egress, among others. Custom sign options are also available, either as pre-printed signs or print-your-own with a Brady Workstation app and Brady printer

4 Pipe and Valve Identification

The Challenge: Properly identify all piping systems that have hazardous contents.

Almost every industrial, commercial or institutional facility has piping systems that contain hazardous fluids, gases, and other liquids. A rupture or improper use of a valve can potentially cause severe personal injury or property damage. For a safe working environment, it is critical to ensure that these piping systems are properly marked.

The Standards:

- ASME (ANSI) A13.1-2007 Scheme for Identifications of Piping Systems
- IIAR (International institute of Ammonia Refrigeration Bulletin #114)

▶ Brady Solution:

Whether you need self-sticking labels, valve tags or high-performance pipe markers, Brady offers a wide range of solutions for identifying pipe contents, including fluid direction. Materials for harsh environments and high temperature applications are also available.

5 Floor Marking

The Challenge: Mark your floors to promote and sustain safety and lean initiatives.

Painted floor markings is time consuming, costly, and tedious to maintain. Painting is labor intensive, and if you're marking your floors for lean, the lines and work cells can change frequently. It's cumbersome to remove paint and re-draw lines.

The Standards:

Safety standards relating to clean, dry non-slip surfaces:

- ANSI A1264.2-2006 (Slip resistance on walking/working surfaces)
- OSHA 1910.22 (General requirements for walking/working surfaces)

▶ Brady Solution:

Brady's ToughStripe® floor marking tapes and signs are a durable, convenient option for safety and lean applications. ToughStripe floor tape withstands forklift traffic better than other tape-based products and can be applied by one person working alone. It's available in over 15 colors, 3 sizes, 6 die-cut shapes, numbers and letters and over 25 floor signs in addition to custom options.

3 Hazcomm /GHS

The Challenge: Ensuring your employees know and understand the hazards of the chemicals they're working with.

With OSHA aligning the Hazard Communications Standard with GHS, chemical labeling is becoming standardized for consistent and clear communication of chemical hazard information.

The Standards:

- OSHA 1910.1200 (Hazard Communication Standard)
  - GHS new classification of hazards
  - Knowledge and training
  - Primary container labels
  - Secondary container labels
  - SDS sheets

▶ Brady Solution:

Complete solutions from DVD based or in-person customized training, SDS binders & centers, preprinted or print-your-own labeling systems.

⑥ 5S Workplace Organization

The Challenge: Create and maintain a clean, orderly and efficient workplace.

Minimize the amount of time that employees spend looking for missing tools, equipment, parts and information. Instill a sense of discipline, ownership and pride in employees, and set the stage for creating a "kaizen" continuous improvement culture on the shop floor.

Best Practice:

5S: Sort, Set in order, Shine, Standardize, and Sustain

▶ Brady Solution:

- **Label Printers:** Brady label makers are designed for use in industrial environments and are extremely versatile; they can print labels, signs, equipment gauge indicators and more.

- **5S Lean Shadow Boards:** Brady Shadow Boards use durable, professional-looking graphics to improve workplace organization and productivity through visually organized storage at the point-of-need.

- **5S Marking Supplies:** Brady offers a wide range of products for 5S marking, including ToughStripe floor tape and supplies for marking workbenches and tool areas.

⑦ Inventory Control

The Challenge: Minimize inventory while avoiding stock outs.

Excess inventory ties up working capital, takes up storage space, and incurs carrying costs. To avoid this, lean manufactures use just-in-time inventory tools and kanban pull production techniques to clearly communicate how much inventory should be ordered and when.

Best Practice:

Use identification labels and barcodes labels to visually mark inventory levels.

▶ Brady Solution:

Brady offers label printers and software programs for labeling shelves, racks, bins, and totes. Because stocking shelves and storage areas are often re-organized to accommodate new skus, Brady also offers printable magnetic tape or repositionable vinyl labels that can be easily removed.

⑧ Equipment Hazard Labels

The Challenge: Warn employees of all potential equipment hazards.

Workers have the right to be aware of all of the hazards that are present on the pieces of equipment they operate. Keeping employees aware of dangers promotes safe work practices and also reduces downtime and costs.

The Standards:

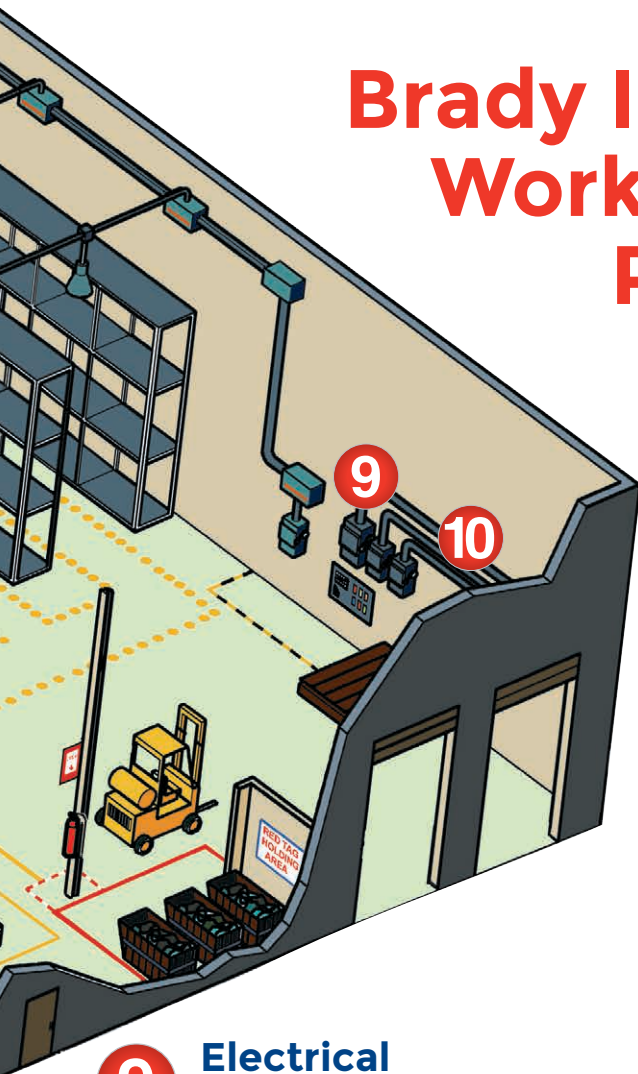- ANSI Z535 (Safety regulations for safety signs and labels)

▶ Brady Solution:

Brady offers industrial stock labels to warn of machine dangers such as extreme temperatures, pinch points, high voltage, and shut off points. Custom labels are also available.

To view all Brady Identification & Safety Solutions, visit **BradyID.com**

Brady Identification & Workplace Safety Products

10 **Wire and Cable ID**

The Challenge: Identify and track wire throughout a facility.

Without proper identification, it can be extremely difficult to track wires and cables throughout the manufacturing process. Wire and cable labels must also be able to withstand extreme temperatures or solvents.

The Standards:

- SAE-AS-DTL-23053/5 Class 1
- SAE-AS-81531
- MIL-STD-202
- RoHS compliant
- 606A/B

▶ **Brady Solutions:**

Brady offers a complete line of wire and cable identification solutions, including heat shrink wire markers, wire mark books, label printers, and more.

- B-342 PermaSleeve PS 3:1 Heat Shrink Wire Markers
- B-7642 PermaSleeve HX Heatex 2:1 Heat Shrink Wire Markers
- B-345 PermaSleeve HT (High Temperature
- B-7641 PermaSleeve ZH (Zero Halogen)
- B-508 Nomex Cable & Harness Marking Tags
- B-427 Self-Laminating Vinyl Labels

9 **Electrical Warning Labels**

The Challenge: Promote electrical safety and prevent electrical arc flash incidents.

Electrical arc flash is dangerous to equipment and worker safety. Workers need to be informed and know how to protect themselves from electrical hazards. Lack of compliance with arc flash regulations can also result in costly OSHA fines.

The Standards:

- OSHA 29 CFR 1910.331-335 (Electrical safety related work practices)
- NFPA 70E-2015 (Standard for electrical safety in the workplace)
- IEEE 1584 (Guide for performing Arc Flash Hazard Calculations)
- NFPA 70-2014 (National Electric Code)

▶ **Brady Solution:**

Brady offers a variety of arc flash labels, write-on arc flash labels, and printers for custom arc flash labels. Brady's stock warning and danger labels meet all OSHA and NFPA requirements.

Brady Safety
Software & Services

Visual Lockout Procedure Writing Service

Brady's Visual Lockout Procedure Writing Service provides highly visual lockout procedures that comply with OSHA's 1910.147 standard. Beyond compliance, Brady's team utilizes industry best practices to create highly visual, standardized procedures that make it easy for your employees to use every day and for your company to sustain and progress for years to come.

Visual Workplace Assessment

With our Visual Workplace Assessment, one of our engagement specialists will review your facility, document areas for improvement under your custom project scope and provide a comprehensive report that will allow you to sustain these changes into the future. Areas of audit can include:

- First Aid Equipment Identification
- Personal Protective Equipment (PPE) Signs
- Exit and Route Markings (Signage, Floor Markings and More)
- Traffic Control Identification
- Security/Site Access Signage and more

Visual Workplace Production Service

During our Visual Workplace Production Service, one of our production specialists brings everything that's needed to create custom visuals – Brady printers, materials, tags and more – to your facility. Not only do you receive your personal production service, but our production specialists are well versed on industry and regulatory requirements, visual standards programs and signage options.

Visit **BradyID.com** to view all Brady Identification & Safety Solutions.

USA
Customer Service: 1-888-272-3946
Inside Sales: 1-888-311-0775
BradyID.com

Canada
Customer Service: 1-800-263-6179
BradyCanada.ca

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