**FALL PREVENTION PROGRAM**

**PURPOSE - 1910. Subpart D**

This is the Fall Prevention Program for Masters Electrical Services Corporation following the Walking-Working Surfaces and Personal Protective Equipment Standard 29 CFR 1910 Sub Part D & 1910 Sub Part I. The program assigns responsibilities for managing the program and explains how we ensure employees understand the fall hazards in our workplace through hazard recognition and employee training. It also includes a list of fall hazards in our workplace.

**SCOPE - 1910.21**

This Fall Prevention Program assigns responsibilities and supplies information to employees about fall hazards identification and hazard assessment of the walking-working surfaces and the personal protective equipment to protect employees and covers the following.

**A. Program Administration.**

**B. Program Specific Elements.**

1. **General.**
2. **Duty to have Fall Protection.**
3. **Fall Protection Systems.**
4. **Personal Fall Protection Systems.**
5. **Designated area(s).**
6. **Rescue.**
7. **Inspections.**

**C.  Information and Training.**

**D.  Program Evaluation & Updates.**

**E. Attachment(s)**

**A. PROGRAM ADMINSTRATION AND RESPONSIBILITIES**

The President/Vice President coordinates this Fall Prevention program for Masters Electrical Services Corporation, and they coordinate implementing the program. The President/Vice President enforces the requirements of this program and ensures proper fall protection components including training; maintains applicable records; performs program reviews and updates as necessary; and provides recommendations for fall prevention and fall arrest systems.

Supervisors implement the program in specific work areas and ensure employees follow the program and the training they receive. Supervisors ensure only authorized employees use Personal Fall Arrest Systems (PFAS).

The President/Vice President coordinates the program and may assign program duties to proper personnel. The following personnel have specific responsibilities for administering aspects of this program:

1. President is the Fall Prevention Coordinator.
2. Vice President is the fall prevention competent person.

The Masters Electrical Services Corporation Fall Prevention Program, identified all fall hazards in the facility, types of fall protection equipment available, maintenance of fall protection equipment, and training on specific fall protection equipment and is available to all employees at 3140 N Bender Ave New Franklin, Ohio 44319.

**B. PROGRAM SPECIFIC ELEMENTS**

1. **General - 1910.22 \*Attachment A**

The President/Vice President at Masters Electrical Services Corporation conducts an annual (or as new hazards are identified) fall hazard assessment of walking working surfaces and has identified where fall hazards are present and documented them on the Fall Prevention Inspection Form.

1. The Fall Prevention Inspection Form identifies fall hazards at Masters Electrical Services Corporation and ensures all methods of fall protection are compliant with regulatory standards, effectively used, and maintained. We use the hierarchy of control to address fall hazards. The methods listed below are in decreasing order of preference:
2. Prevent or eliminate exposure
3. Fall Protection (guardrails)
4. Fall/Travel Restraint Systems
5. Personal Fall Arrest Systems (PFAS)
6. Designated areas with warning lines
7. Masters Electrical Services Corporation keeps all walking working surfaces dry (where possible) and free from hazards. The walking working surfaces have the strength and integrity to support the intended load applied and guardrails or covers are in place to protect employees from the hazards of falling.
8. **Duty to have Fall Protection 1910.28**

Masters Electrical Services Corporation protects all employees from exposure to fall hazards from heights greater than 4 feet, from falling object hazards, and falls from less than 4 feet over dangerous equipment.

1. The elimination of employee exposure to fall hazards is always Masters Electrical Services Corporation first step to address hazards identified on the Fall Prevention Inspection Form.
2. **Fall Protection Systems 1910.29 \*Attachment B**

Where we cannot prevent or eliminate employee exposure to fall hazards, we use fall protection systems such as guardrails to address the hazard before using fall/travel restraint systems, PFAS, or designated areas.

* 1. The fall protection systems, fall/travel restraint systems, PFAS, and designated areas selected by the President/Vice President conform with OSHA criteria requirements in § 1910.29, § 1910.140, and ANSI/ASSE Z359 Fall Protection Prevention.

1. **Personal Fall Protection Systems 1910.140**

Where we cannot prevent or eliminate employee exposure to fall hazards with fall protection systems such as guard rails, employees do not perform any work duties unless a fall/travel restraint system, PFAS, or a designated area or a combination of as described below is in place. Only trained and Authorized employees at Masters Electrical Services Corporation may perform work using fall/travel restraint systems, PFAS, and designated areas.

* 1. **Fall/Travel Restraint Systems**

Fall/travel restraint systems are designed to eliminate the possibility of an employee going over the edge of a walking-working surface. Fall/travel restraint systems employ the combination of an anchorage, anchorage connector, lanyard (or other means of connection), and body support.

1. The Competent Person President/Vice President assesses the work area prior to work performed to ensure a fall/travel restraint system is feasible and will aid the worker in designating a suitable anchor point (anchorage) and system components required.
2. Authorized employees inspect all fall protection equipment before use per the manufacturer instructions.

* 1. **Personal Fall Arrest Systems (PFAS)**

PFAS are designed to protect workers that suffer a fall. PFAS employ the use of a full-body harness, a connecting lanyard, and a suitable anchor point.

1. The Competent Person President/Vice President assesses the work area prior to work performed to ensure a PFAS is feasible and aids the worker in designating a suitable anchor point (anchorage) and system components required.
2. Authorized employees inspect all fall protection equipment before use and use per the manufacturer instructions.
3. **Designated Areas using Warning Lines 1910.29**

At Masters Electrical Services Corporation the Competent Person authorizes designated areas as an alternative to installing guardrails. The Competent Person demonstrates that employees within the designated areas are not exposed to fall hazards.

1. **Rescue Plan \*Attachment C.1 and C.2**

Masters Electrical Services Corporation has a Rescue Plan (Attachment C.1) for all areas where employees must wear PFAS to perform work duties. Rescue procedures provide Authorized Rescuers with the knowledge and skills to make a prompt rescue of a fallen worker. To prevent worker injury or potential for any further or secondary injury our Authorized Rescuers make contact with the fallen worker within four minutes after a fall event.

The Competent Rescuer makes a visual fall hazard assessment of the work area and tasks to be performed prior to any working at height task that requires workers to wear a PFAS. The information gathered in the assessment is used to complete a Rescue Planning Worksheet (Attachment C.2) which identifies the rescue team and proposed rescue methods.

1. **Inspections (Reference PFAS guidance from manufacture.)**

Masters Electrical Services Corporation follows the Guardian instructions and training protocols for equipment maintenance, cleaning, and storage. Employees inspect their personal fall arrest systems prior to each use for mildew, wear, damage, and other deterioration. We immediately remove any defective fall arrest system components.

**C.** **INFORMATION AND TRAINING – 1910.30 \*Attachment D**

**Training 1910.30**

All Authorized employees at Masters Electrical Services Corporation who use PFAS complete training for personal fall protection systems provided by a qualified instructor. Such training occurs prior to working in a location where employees are exposed to a fall hazard and when not protected by a guardrail. The President/Vice President or Trainer documents all training and maintains sign-in sheets.

**Authorized Employee training includes:**

1. The nature of the fall hazards in the work area, how to recognize them, and the procedures followed to minimize those hazards;
2. The correct procedures for installing, inspecting, operating, maintaining, and disassembling the personal fall protection systems that the employee uses.
3. The correct use of personal fall protection systems and equipment identified in the “Fall Prevention Inspection Form”, including, but not limited to, proper hook-up, anchoring, and tie-off techniques, and methods of equipment inspection and storage, as specified by the manufacturer.
4. Authorized employees demonstrate their competence on all PFAS they will be issued.
5. Employees are retrained on use of personal fall protection systems under but not limited to the following situations:
   1. When the employer has reason to believe the employee does not have the understanding and skill required to use the personal fall protection systems.
   2. When changes in the workplace make previous training obsolete or inadequate.
   3. When changes in the types of fall protection systems or equipment make earlier training obsolete or inadequate; or
   4. When inadequacies in an affected employee's knowledge or use of fall protection systems or equipment show that the employee no longer has the requisite understanding or skill necessary to use equipment or perform the job safely.

**D.** **PROGRAM EVALUATION AND UPDATES**

Masters Electrical Services Corporation conducts annually written reviews of the Fall Prevention Program for compliance with federal regulations and our internal requirements to assure quality and effectiveness.

This review includes:

1. Employee awareness of fall hazards at Masters Electrical Services Corporation location(s).
2. Personal Fall Arrest systems and equipment in use at Masters Electrical Services Corporation location(s).
3. Employee knowledge of how to properly use personal fall arrest systems.
4. Corrective actions and updates to this program.
5. Updates to program attachments.

The President/Vice President keeps the findings of the review and the plans to correct deficiencies in the program.

**ATTACHMENTS**

Included here are forms, definitions, training documents, sample rescue plans, and quick tips. etc.

Attachment A – Fall Prevention Inspection Form

Attachment B – Quick Tips for the Personal Fall Arrest Systems (PFAS)

Attachment C.1 – Rescue Plan

Attachment C.2 – Rescue Planning Worksheet

Attachment D – Training Sign in sheet

Definitions

Additional Resources