PRE-TASK PLAN

HazardHawk | Regeneron

DAILY SAFETY PLAN - READ THIS FIRST

Today's Work: Ironworking
Crew Size: 4 workers
Location: Tarrytown, NY

⚠ CRITICAL DANGERS - PAY ATTENTION!

- Fall hazard from aerial lift basket due to improper use, equipment malfunction, or sudden movement.
- Fall hazard from leading edges or unprotected sides of floor joists during beam/plate installation.
- Electrical shock or electric shock from welding equipment, grinders, or damaged power cords.
- Aerial lift tip-over or instability due to uneven ground, overloading, or high winds.

TOP DANGERS TO WATCH FOR:

1. ⚠ Fall hazard from aerial lift basket due to improper use, equipment malfunction, or sudden movement.

What to do:

✓ Ensure all workers in the aerial lift wear a full-body harness and lanyard attached to an approv
✓ Check Perform daily pre-operation inspection of the aerial lift by a qualified person.

2. ⚠ Fall hazard from leading edges or unprotected sides of floor joists during beam/plate installation.

What to do:

✓ Workers must remain in the aerial lift basket with fall protection attached when working near l
✓ If work requires stepping out of the aerial lift onto the structure, ensure a 100% tie-off plan is in

3. ⚠ Electrical shock or electric shock from welding equipment, grinders, or damaged power cords.

What to do:

✓ Inspect all electrical tools and cords daily for damage (frays, cuts, exposed wires) before use.
✓ Ensure all electrical equipment is properly grounded or double-insulated.

BEFORE YOU START WORK:

1. Read all danger warnings above

PRE-TASK PLAN

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Project Information

Project Name:	Regeneron
Location:	Tarrytown, NY
Work Type:	Ironworking
Crew Size:	4
Status:	DRAFT
Created:	OCT 7, 2025
Created By:	current_user

Work Scope & Description

Installing steel beams between floor joists, installing plates on floor joists, connecting with bolts and welding where necessary. workers are in an aerial lift.

Tools & Equipment:

- welder
- grinder
- aerial lift.

Identified Hazards

⚠ OSHA 1926.453(b)(2)(v) CRITICAL

Fall hazard from aerial lift basket due to improper use, equipment malfunction, or sudden movement.

SAFETY STEPS - DO THESE:

1. Ensure all workers in the aerial lift wear a full-body harness and lanyard attached to an approved anchorage point within the basket.
2. Check Perform daily pre-operation inspection of the aerial lift by a qualified person.
3. Stay Maintain a safe distance from other equipment and structures to prevent collisions.
4. Do not exceed the manufacturer's load capacity for the aerial lift.
5. Ensure the aerial lift is on a firm, level surface or properly cribbed if necessary.
6. Implement a rescue plan for an incapacitated worker in the aerial lift.

Identified Hazards (continued)

⚡ OSHA 1926.102(a)(1) MAJOR

Eye and face injuries from welding arc flash, grinding sparks, flying metal debris, or slag.

SAFETY STEPS - DO THESE:

1. Ensure all workers in the vicinity of welding/grinding operations wear appropriate eye and face protection.
2. Use welding screens or barriers to protect other workers from arc flash.
3. Inspect welding helmets and safety glasses for damage before each use.

⚡ OSHA 1926.55(a) MAJOR

Respiratory hazards from welding fumes and grinding dust, leading to lung irritation or long-term health issues.

SAFETY STEPS - DO THESE:

1. Ensure enough local exhaust ventilation or general ventilation in the work area.
2. Stay Position welding work to allow natural airflow to carry fumes away from the breathing zone.
3. If engineering controls are insufficient, provide appropriate respiratory protection (e.g., N95 for grinding, P100 for welding fumes).
4. Check Conduct air monitoring if necessary to determine exposure levels.

ℹ OSHA 1926.300(b)(2) MINOR

Hand injuries (cuts, pinches, burns) from handling steel, using grinders, or welding.

SAFETY STEPS - DO THESE:

1. Always wear appropriate gloves when handling steel beams and plates.
2. Use proper lifting techniques and mechanical aids to avoid pinch points.
3. Use Ensure grinder guards are in place and properly adjusted.
4. Keep hands clear of moving parts on grinders and welding equipment.

⚠ OSHA 1926.453(b)(2)(viii) CRITICAL

Aerial lift tip-over or instability due to uneven ground, overloading, or high winds.

SAFETY STEPS - DO THESE:

1. Operate aerial lift only on firm, level surfaces or use outriggers/stabilizers as per manufacturer's instructions.
2. Check Monitor weather conditions, especially wind speeds; do not operate in winds exceeding manufacturer's limits.
3. Do not exceed the rated load capacity of the aerial lift.
4. Check Ensure a competent person inspects the ground conditions before positioning the lift.
5. Stay Maintain a safe distance from digging areas, slopes, and other hazards.

Job Steps & Safety Controls

Step 0: Pre-Task Planning and Site Setup

Hazards:

- Incomplete hazard identification leading to unforeseen risks.
- Improper aerial lift placement causing instability.
- Lack of clear communication among crew.

Controls:

- Conduct a thorough Pre-Task Plan (PTP) meeting with all crew members, reviewing all steps, hazards, and controls.
- Designate a competent person to oversee aerial lift setup and operation.
- Inspect the work area for level ground, overhead obstructions, and potential hazards before positioning the aerial lift.
- Establish clear communication methods (e.g., hand signals, two-way radios) for the crew.
- Ensure all required permits (e.g., Hot Work Permit) are obtained and posted.

PPE: Hard hat, Safety glasses, High-visibility vest, Steel-toed boots

Step 0: Aerial Lift Inspection and Positioning

Hazards:

- Aerial lift malfunction due to uninspected defects.
- Tip-over due to uneven ground or improper outrigger setup.
- Contact with overhead obstructions or power lines (though 'no' for power lines, still a general hazard).
- Struck-by hazard during lift movement.

Controls:

- Perform a daily pre-operation inspection of the aerial lift by a qualified operator, checking all functions, fluid levels, tires, and s
- Position the aerial lift on firm, level ground. Use outriggers/stabilizers as per manufacturer's instructions.
- Maintain a safe distance from all overhead obstructions.
- Use a spotter when moving the aerial lift in congested areas or near other equipment.
- Ensure all workers in the basket are tied off before elevating.

PPE: Hard hat, Safety glasses, High-visibility vest, Steel-toed boots, Full-body harness with lanyard

Step 0: Lifting and Positioning Steel Beams/Plates

Hazards:

- Struck-by falling beams/plates due to improper rigging or hoist failure.
- Pinch points or crushing injuries during material handling.
- Aerial lift instability due to dynamic loads or sudden movements.
- Fall from aerial lift while reaching for materials.

Controls:

- Ensure all rigging equipment (slings, shackles) is inspected daily by a competent person and rated for the load.
- Use tag lines to control the swing and rotation of beams/plates during hoisting.
- Communicate clearly with the crane operator (if applicable) or ground crew during lifts.
- Never exceed the aerial lift's rated capacity, especially with dynamic loads.
- Keep hands clear of pinch points when guiding beams/plates into position.
- Workers must remain tied off in the aerial lift basket at all times.

PPE: Hard hat, Safety glasses with side shields, Steel-toed boots, Heavy-duty work gloves, Full-body harness with lanyard, Hig

Step 0: Connecting Steel with Bolts

Hazards:

- Struck-by falling bolts or tools.
- Pinch points during alignment of bolt holes.
- Hand injuries from wrenches or impact tools.
- Fall from aerial lift while reaching or over-extending.

Controls:

- Secure all tools (wrenches, impact guns) with lanyards.
- Ensure proper alignment of bolt holes before inserting bolts; use drift pins if necessary.
- Maintain a firm grip on tools and use proper body positioning.
- Do not over-extend or lean out of the aerial lift basket; reposition the lift as needed.
- Ensure all bolts are properly tightened to specification.

PPE: Hard hat, Safety glasses with side shields, Steel-toed boots, Work gloves, Full-body harness with lanyard

Job Steps & Safety Controls

Step 0: Welding and Grinding Operations

Hazards:

- Arc flash, sparks, and hot slag causing eye/face burns or fire.
- Welding fumes and grinding dust causing respiratory issues.
- Electrical shock from welding machine or grinder.
- Burns from hot metal or equipment.
- Noise exposure from grinding.

Controls:

- Implement a hot work permit system; clear combustibles from the area or use fire blankets.
- Designate a fire watch during and after welding/grinding.
- Ensure adequate ventilation to control fumes and dust.
- Inspect welding cables and grinder cords for damage before use.
- Use proper grounding for welding equipment.
- Allow hot metal to cool or mark it as 'HOT' before handling.
- Wear hearing protection during grinding operations.

PPE: Welding helmet with appropriate shade lens, Safety glasses with side shields (under helmet and for grinding), Face shie

Step 0: Post-Task Cleanup and Demobilization

Hazards:

- Slips, trips, and falls from debris.
- Cuts from sharp metal scraps.
- Improper storage of tools/equipment.
- Fatigue leading to errors.

Controls:

- Clean up all tools, equipment, and debris from the work area.
- Properly store or dispose of metal scraps in designated containers.
- Inspect and return all tools and equipment to their proper storage locations.
- Ensure aerial lift is lowered, secured, and parked in a safe location.
- Conduct a final walk-through of the work area to ensure it is safe and clear.

PPE: Hard hat, Safety glasses, Steel-toed boots, Work gloves, High-visibility vest

Emergency Procedures

Emergency Response Procedures:

- Fall from Aerial Lift: Do NOT attempt to rescue the worker by yourself. Call 911 immediately. Activate s
- Fire/Burns: For small fires, use a fire extinguisher if trained and safe. For larger fires, evacuate immedia
- Electrical Shock: Do NOT touch the person or equipment if still energized. De-energize the power source
- Struck by Falling Object: Secure the area. Do not move the injured worker. Call 911 immediately. Provid
- Aerial Lift Malfunction/Tip-over: If the lift becomes unstable or malfunctions, stop all operations. Attem
- First Aid: For minor injuries (cuts, scrapes), administer basic first aid from the site first aid kit. For serio

Signatures & Approval

Crew Members:

All crew members must sign to acknowledge they have reviewed this PTP and understand the hazards and safety procedures.

Worker 1:

Name: _____ Date: _____
Signature: _____

Worker 2:

Name: _____ Date: _____
Signature: _____

Worker 3:

Name: _____ Date: _____
Signature: _____

Worker 4:

Name: _____ Date: _____
Signature: _____

Worker 5:

Name: _____ Date: _____
Signature: _____

Worker 6:

Name: _____ Date: _____
Signature: _____