MODULE 1-d TOOL LAB

Tool Lab/Resource List

The station size and time frame will be based on Student and Instructor ratio. Students must have the opportunity to demonstrate the proper skills listed within the objectives.

Station Objectives:

- Perform tool 3 -concrete slabs, minimum size 4'x4'x4"selection process
- Perform pre use inspection for all tools
- Demonstrate proper use of all tools
- Perform field maintenance for all tools
- Perform a post use maintenance for all tools

Station 1: Stanley tool & Electrical tool

Station needs:

- 3-concrete slabs, minimum size 4'x4'x4''
- 2- 36" concrete pipes
- 2- Stanley Rescue Systems to include: power plant, chainsaw, breaker etc.
    - Dedicated water supply with manifold for Stanley systems
    - 2- Electric rebar cutters
    - 2- Electric chainsaws with spare chains and tool for bar adjustment
    - 2- Electric demolition hammer kits complete with various tip attachments
    - 1- Reciprocating Saw complete with Bimetal and wood cutting blades
    - Scrap wood large enough for students to practice cuts
    - #4 rebar or larger for practice cuts
    - Toolbox and rags to support tool maintenance and clean up.
    - Dedicated electrical supply and cords/junction box to support tools and lighting if required.
    - Lighting if required to support stations
    - Work tables to support station
    - Fluids to support power units, ie: fuel, oil etc.
    - Safety components, ie: fire extinguisher, first aid kit, eye wash kit, PPE,
      Approved eye and ear protection
    - Tarps for tool staging

MODULE 1-d TOOL LAB

Station 2: Gasoline powered tools

Station needs:

- 3- concrete slabs, minimum size 4'x4'x4"
- 3- 36" concrete pipes
- 2- coring drills with spare drill bits and accessories, service kits with spare plugs
- 5- rotary cutoff saws complete with spare diamond segmented blades, abrasive and carbide tipped blades, tools for blade changes, field service kit and spare plugs
- 5- chainsaws complete with spare chains, tools for guide bar/chain replacement, spare plugs
- 2- reciprocating saw kits (if available) complete with spare blades, tools for blade changes etc.
- Enough scrap wood for students to practice cuts
- Fluids to support power tools: gas, oil, mixes etc.
- Tarps for tool staging
- Dedicated water supply with manifold for tools with garden hoses
- Tool box and rags to support tool maintenance and clean up
- Work tables to support station
- Safety components: fire extinguisher, first aid kit, eye wash kit, PPE, approved eye and ear protection
- Lighting if required to support station

Station 3: Hilti tool, Anchor kit, Paslode & Pneumatic nailers, Pneumatic cutoff "Wizzer saw"

Station needs**:**

- 2- concrete slabs, minimum size 4'x4'x4"
- 2- electrical drill kits for anchoring exercises
- Dedicated electrical supply divided with junction box and extension cords
- 2- Hilti tool kits complete with enough extra loads and anchors for each student to complete task
- 2- Anchor kits complete with anchors, tools, including proper torque wrench
- 2- Paslode nailer kits with extra fuel cans and nail strips
- 2- Pneumatic nail guns complete with air lines, regulators and air supply
- 2- Wizzer saw kits complete with extra blades, tools for exchange, air lines/supply, regulators

MODULE 1-d TOOL LAB

Station 3: needs, continued

- Rebar or other material for Wizzer saw practice cuts
- Air supply for tools: compressor, air cart etc.
- Lumber to properly demonstrate Paslode and Pneumatic nail guns: gussets, 4”x4”s etc.
- Tarps to stage tools
- Work tables to support station
- Tool box and rags to support tool maintenance and clean up
- Safety components: fire extinguisher, first aid kit, eye wash kit, PPE, approved eye and ear protection
- Lighting if required to support station

Station 4: Oxy-Acetylene torches, Mapp gas tool,exothermic torches and Seeler cable cutter

Station 4 needs:

- 2-Stationary Oxy-acetylene cutting torch kits complete with extra tips, cleaners, strikers, hammers, regulators, hoses, and tools for work station
- 2- Stationary Mapp gas torch kits complete with all accessories
- 2- Exothermic cutting torch kits
- 2- Seeler cable cutters
- Steel material for practice cutting: beams, sheets etc.
- 8- Steel work/burn stations
- 12- protective eye wear, preferable to goggles with flip up lenses
- 6- protective leather jackets
- 12- sets protective gloves
- Enough spare gas so each student can complete a burn: Mapp, oxygen and acetylene
- 100- Exothermic rods ¼” x4’ if available
- Extra batteries for exothermic starter
- Safety components : fire extinguisher, first aid kit, eye wash kit, PPE, approved eye and ear wear
- Lights if required to support the station
- Hand truck to assist moving cylinders
- Tool box and rags to support maintenance and clean up