

SkillsUSA North Dakota Teamworks Competition Individual and Team Tool Lists

Purpose:

- The purpose of this event is designed to evaluate members of teams involved in the building of a structure.
- This state event will include Carpentry, Electrical and Plumbing fundamentals.
- There is NO MASONRY component.

Clothing Requirement:

There is NO "official" competition clothing for this state event however all competitors should wear clothing appropriate for the tasks involved to build this structure. Tasks include the duties of a Carpenter, Electrician and Plumbing professional activities. Other guidelines for appropriate attire include:

- All competitors will receive and be identified by a number only, after Sunday afternoon orientation.
- No logos, lettering or identifying symbols on clothing are allowed.
- Work boots are required (can be either steel toe or not).
- Hard hats and Safety Glasses will be worn through the entire build and tear down. Gloves are recommended for tear down.
- No shorts, cut-off jeans or sleeveless shirts.

Violations of any of the above guidelines could result in a penalty deduction.

ALL COMPETITORS WILL SHOW Proof of:

- **OSHA 10 Ten Certification – Check During Orientation**
 - Bring your OSHA 10 card or Certificate to the orientation on Sunday.
 - Working in a Safe manner and adhering to common construction site safety will be maintained. If an unsafe act is perceived judges and/or Technical Chair will intervene to determine appropriate action.

Orientation

- **Sunday April 19, 3:00 – 5:00 pm Tech Center **TBD****
- **Resumes will be turned in and OSHA Certs will be checked.**
 - **Tools and equipment must be brought in at this time.**

Monday Competition

- **NDSCS Tech Center **TBD****
- **Check-in time: 7:30a doors open**
- **Contest Start time: 8:00a**

TOOL LISTS:

The following lists represent the basic tools list that will be needed by each competitor and by each team.

- This list represents suggested tools and will **NOT** be judged.
- Keep in mind that your electrician, plumbers and carpenter tool list should include at least these tools, and may or may not include everything listed.

Each Team Member must bring: Quantity per Member-

- Appropriate tool box or Chest
- Hard Hat
- Safety glasses – z85
- Work Gloves
- 25' tape measure
- Tool apron
- Speed Square
- Framing Hammer
- Carpenter pencil
- Finish Hammer
- Retractable Utility Knife /w blades
- Screwdriver Set/s
- Diagonal Cutting Pliers
- Lineman Pliers
- Wire Stripper - 10 to 26 gauge stranded and 8 to 22 solid wire
- Multi sizes - Slip Joint Adjustable Pliers
- C Clamp Locking Pliers
- 3pc Stanley Chisel Set
 - 1/2" Chisel , 3/4"Chisel, 1" Chisel
- Pry Bar
- Nail Puller 1
- Hand Saw
- Brassbound Level
- Shock Resistant Torpedo Level

Each Team must also bring the following: Quantity Per Team-

- Standard Architect Scale
- Corded or cordless drivers with bit set(s)
- Hole saw kit
- Chalk Reel (47-480) w/4oz Bottle Blue Chalk
- Reciprocating - Sawzall or Bi-Metal Hacksaw w/ Blades
- Circular Saw (NO WORM DRIVE SAWS)
- Extension cords 12 gauge 30 – 50 foot
- Extension Cords with splitters
- 48" Brassbound or Box Beam Level
- Premium Rafter or Speed Square
- Collapsible saw horses
- 8' Step Ladder or greater

Contest Scoring – 1000 Points Total

- General Safety: Job Site & Tool Operations
 - Safety Operations (50 Points)
 - Tool Safety/Operations (50 Points)
 - OSHA Card (100 Points)
- Site Work
 - Teamwork (100 Points)
 - Housekeeping during event (50 Points)
 - Deconstruction (50 Points)
 - Project Completion (100 Points)
- Plumbing
 - Estimate & Use Materials/Tools Properly (50 Points)
 - Water Supply Lines (25 Points)
 - Join Pipes (25 Points)
 - Quality of Work (50 Points)
- Electrical
 - Estimate & Use Materials/Tools Properly (50 Points)
 - Rough In (25 Points)
 - Installation (25 Points)
 - Quality of Work (50 Points)
- Carpentry
 - Estimate & Use Materials/Tools Properly (50 Points)
 - Perform Framing & Install Subfloor (100 Points)
 - Quality of Work (50 Points)