The building project will incorporate rough framing, rough-in electrical and plumbing and masonry wall construction. All building materials will be provided, but teams will be required to supply their own tools:

- Extension cord(s)
- Pencils
- Reciprocating saw/blades
- Sawhorses
- Utility knife
- Cordless screw gun/Phillips bits
- Fire extinguisher
- Adjustable pliers
- Screwdrivers
- Square
- Tape measure
- Chalk box
- Torpedo level
- Continuity tester
- 3/8-inch drill
- Skill saw
- Clay hammer
- Nail puller
- 4-foot level
- String line/hinge blocks
- 1-inch paddle drill bit
- 1 3/8-inch drill bit (for copper)
- 2 1/8-inch self-feeding bit
- 2 9-1/16-inch self-feeding bit
- Bit extensions
- 9-inch side cutters
- Lineman pliers
- Wire strippers
- 3 5/8-inch hole saw/arbor
- Ground jointer (striker)
- Brick hammer
- Soft brush
- Trowel
- Copper-soldering torch
- Spray water bottle
- Copper cutters and reamer
- ABS/PVC hand saw
- Right angle drill (or “Hole Hawg”)
- “Tiny Tim” type saw
- Sharp blades and a wrench for the Skillsaw.
- Speed square.
- 2-6 to 8 foot ladders per team

In addition, each contestant must be attired properly or will not be allowed to compete. Proper attire includes hard-toe work boots or shoes; hard hat; tool belt with common tools; safety glasses with side shields; work gloves; earplugs; blue jeans and SkillsUSA conference T-shirt or conformity to national standards dress code.