



Ready Reference Checklist

TOWER CRANES

YOU WILL NEED A TOWER CRANE IN AT LEAST ONE OF THE FOLLOWING CATEGORIES:

- Hammerhead
- Luffing Jib
- Self-Erecting

YOU WILL ALSO NEED THE FOLLOWING FOR *EACH* CRANE TO BE TESTED ON:

- A cylindrical Test Weight, diameter 3 ft.; weight (including rigging) must be between 1,500 and 2,000 lbs.
- One 3 ft. length of $\frac{3}{8}$ -inch chain, measured from the bottom of the hook, that can be quickly and easily attached and detached; must be painted orange or red and be hung from the load hook
- Four lengths of $\frac{3}{8}$ -inch chain, painted orange or red, that are easily detachable and measure 3 ft. long when attached to the bottom inside edge of the Test Weight
- Rigging slings to attach the Test Weight to the hook, no more than 4 ft. long
- PVC pipe, white, 1½ in. (SHD 40), sufficient to make 64 three-foot-long poles
- $\frac{3}{4}$ -inch, CDX-grade (or better) plywood or high density polyethylene (HDPE)*, sufficient to create 64 pole bases, 1½ in. ($\pm \frac{1}{2}$ in.) \times 12 in. \times 12 in.
- 64 tennis balls
- 64 ft. of #18 nylon string, to attach tennis balls to poles (optional)
- 128 1¼-inch, zinc-plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 500 ft. brightly colored string line (for Zigzag Corridor and Test Site layout use) **NOTE: Chalk line may NOT be used**
- Paint (orange or red) for painting the tops of the poles and chain **NOTE: Red electrical tape may be used for the poles**
- Paint (white) for marking circles
- Handheld wind speed indicator (anemometer)*
- Two 100 ft. tape measures and one 30 ft. steel tape
- Stopwatches and clipboards for Examiner(s) and Proctor(s)

*EQUIPMENT SOURCES

NCCCO does not endorse or recommend specific vendors of any equipment, but the following sources may help you find required materials and equipment:

- **Anemometers:** West Marine, PO Box 50070, Watsonville, CA 95077, 1-800-262-8464, www.westmarine.com
- **HDPE bases:** House of Plastics, 2580 S. Orange Blossom Trail, Orlando, FL 32805, 1-888-707-5278, plastics@hopu.com