



## READY REFERENCE CHECKLIST TOWER CRANE

### YOU WILL NEED A TOWER CRANE IN ONE OF THE FOLLOWING TYPES:

- Hammerhead
- Luffer
- Self Erecting

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

- A cylindrical Test Weight, diameter 3 foot (114 inches in circumference), weight (including rigging) must be between 1,500-2,000 lbs.
- One (1) 3 foot 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 fluorescent orange or red and be hung from the load hook.
- Four (4) lengths of  $\frac{3}{8}$  inch chain, painted fluorescent orange or red, that are easily detachable and measure 3 foot 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 foot long.
- PVC pipe, white, 1  $\frac{1}{2}$  inches, SHD 40, sufficient to make sixty-four (64), 36 inch long poles.
- $\frac{3}{4}$  inch CDX-grade (or better) plywood or high density polyethylene (HDPE), sufficient to create sixty-four (64) pole bases, 1  $\frac{1}{2}$ " ( $\pm \frac{1}{2}$ ") x 12" x 12".
- Sixty-four (64) tennis balls.
- Forty-two (42) feet of #18 nylon string, to attach tennis balls to poles (optional).
- one hundred twenty (120) 1  $\frac{1}{4}$  inch zinc plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 500 feet brightly colored, string line (for Zigzag Corridor and test site layout use).
- Paint (fluorescent 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.
- Hand-held wind speed indicator (anemometer).
- Two (2) 100 foot tape measures and one (1) 30 foot steel tape.
- Stop watches and clipboards for Examiner(s) and Proctor(s).

### EQUIPMENT SOURCES.

**Anemometers:** West Marine, PO Box 50070, Watsonville, CA 95077. 1-800-262-8464. [www.westmarine.com](http://www.westmarine.com).

**HDPE bases:** House of Plastics, 2580 S. Orange Blossom Trail, Orlando, FL 32805. 1-888-707-5278. [plastics@hopu.com](mailto:plastics@hopu.com).

NCCCO does not endorse or recommend particular vendors of any equipment.