



# Ready Reference Checklist - Overhead Crane

**YOU WILL NEED A CRANE THAT MEETS THE CCO PRACTICAL EXAMINATION CATEGORY YOU PLAN TO TEST IN:**

- Overhead Crane (Powered Functions for Hoist, Bridge, and Trolley).

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

- A cylindrical Test Weight, diameter 3 ft. (113 in. in circumference), weight (including rigging) to be within the range of 1,500 to 2,000 lbs.
- One length of  $\frac{3}{8}$  in. chain, painted fluorescent orange or red, that measure 3 ft. long when attached to the bottom center of the Test Weight.
- Suitable rigging to attach the Test Weight to the hook, no more than 3 ft. long.
- PVC pipe, white, 1  $\frac{1}{2}$  in., SHD. 40, sufficient to make fifty-four (54), 36 in. long poles.
- $\frac{3}{4}$  in. CDX grade (or better) plywood or high density polyethylene, sufficient to create fifty-four (54) pole bases, 1  $\frac{1}{2}$ " ( $\pm \frac{1}{2}$ " ) x 12" x 12".
- Fifty-four (54) tennis balls.
- Fifty-four feet of #18 nylon string, to attach tennis balls to poles (optional).
- One hundred eight (108) 1  $\frac{1}{4}$  in. zinc plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional).
- Two horizontal poles painted red or orange 12 in. on ends and 12 in. in the middle.
- 500 ft. brightly colored, string line (for Right Angle Corridor and CAD layout use).
- Paint (fluorescent orange or red) for painting the tops of the poles and chain.
- Paint (white) for marking circles.
- Hand-held wind speed indicator (anemometer) for outside testing only.
- One (1) 100 ft. tape measure and one 30 ft. steel tape (carpenters).
- 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).

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