



# Ready Reference Checklist

## ARTICULATING BOOM LOADERS

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

- A Test Weight 800–1,200 lbs., 4 ft. × 8 ft. × 17 in., with 4 in. × 4 in. dunnage attached to the bottom 12 in. from outside edge of Test Weight to outside edge of dunnage
- Length of 3/8- or 5/16-inch chain, painted orange or red, measuring 2 ft. long from the bottom of the fork assembly
- PVC pipe, white, 1½ in. (SHD 40), sufficient to make 40 three-foot-long poles
- ¾-inch, CDX-grade (or better) plywood or high density polyethylene (HDPE)\*, sufficient to create 44 pole bases, 1½ in. (± ½ in.) × 12 in. × 12 in.
- 44 tennis balls
- 7 ft. (± 1 in.) long horizontal obstruction pole made of 1 in. PVC pipe
- 44 ft. of nylon string to attach tennis balls to poles (optional)
- 88 1¼-inch zinc-plated (galvanized) screws, or equivalent, to secure nylon string to tennis balls and poles (optional)
- 300 ft. string line, brightly colored (for Zigzag Corridor and Test Site Layout use) **NOTE: chalk line may NOT be used**
- Spirit level to verify levelness (minimum 1 ft. long)
- Paint (orange or red) for painting the tops of the poles and chain **NOTE: red electrical tape may be used for the poles**
- Rubber mats or paint to mark the circular Designated Areas (If marking circles, designated areas, or other parts of a course on plywood or mats, the borders must be marked with materials with a flat, uniform surface and a lip variance not to exceed 3/4 in. Any materials used may not interfere with the free movement of the pole bases.)
- 2 in. wide (minimum) clearly visible, durable tape or other material to mark the rectangular Designated Areas and denotation lines
- Handheld wind speed indicator (anemometer)
- 50 ft. tape measure
- Stopwatches and clipboards for Examiner(s) and Proctor(s); multifunction devices such as cell phones and wristwatches are not acceptable
- Two-way communication devices for top seat operator station
- If using remote controls, sufficient batteries to conduct all Practical Exams

### EQUIPMENT SOURCES

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

- **HDPE bases:** House of Plastics (part number HOP01-055), 2580 S. Orange Blossom Trail, Orlando, FL 32805, 407-843-3290, [plastics@hopu.com](mailto:plastics@hopu.com)