



# Ready Reference Checklist

## DIGGER DERRICKS

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

- A Test Weight of minimum 400 lbs. including rigging—verified by a weight ticket, crane’s load indicating device (LMI, RCI, RCL), or other type of certification documenting the actual load weight available to the Examiner—cylindrical in shape, 2 ft. in diameter, and 2 ft.–4 ft. in height
- Length of 3/8- or 5/16-inch chain, orange or red, measuring 3 ft. long from the bottom center of the Test Weight
- Test Weight rigging has two or three sling legs (use of bridle recommended), 2–4 ft. in length (3 ft. recommended); recommend 60 degree sling angles (minimum 30 degrees required)
- Picking ears are mounted inside the Test Weight, or if mounted on the outside of the Test Weight the bottom of ears are at least 3 ft. 6” above the bottom of the weight
- 36 in. length of 3/8- or 5/16-inch chain, painted orange or red (recommend using a minimum 6-inch diameter ring on one end so that it can easily be attached to the load hook for Task 2); chain length measured from bottom of load hook
- PVC pipe, white, 1½ in. (SCH 40), sufficient to make 34 (+2) three-foot-long poles and 8 (+1) one-foot-long poles
- ¾-inch, CDX-grade (or better) plywood or high density polyethylene (HDPE)\*, sufficient to create 38 pole bases, each 1½ in. (± ½ in.) × 12 in. × 12 in. (nominal)
- 38 (+3) tennis balls
- 38 (+3) feet of nylon string, to attach tennis balls to poles (optional)
- 76 (+6) 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 Corridor and Test Site Layout use) **NOTE: chalk line may NOT be used**
- Spirit level to verify levelness (minimum 1 ft. length)
- Paint (orange or red) for painting the tops of the poles and chain **NOTE: colored tape may be used for the poles**
- Rubber mats or paint to mark the circular Designated Areas
- 2 in. wide (minimum) clearly visible, durable tape or paint to mark the Designated Area 4
- Handheld wind speed indicator (anemometer)
- Two 45 ft. tape measures (minimum)
- Stopwatches and clipboards for Examiner(s) and Proctor(s)
- Two-way communication devices for top seat operator station (optional)
- If using remote controls, sufficient batteries to conduct all Practical Exams
- Spray paint to mark dig task

### \*EQUIPMENT SOURCES

NCCCO does not endorse or recommend specific vendors of any equipment, but the following source may help you find 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