

| PORTAL, TOWER, AND PILLAR CRANES   |  |                           |    |     |
|--|--|---------------------------|----|-----|
| Contract Name and Number:  |  | Contractor/Subcontractor: |    |     |
| Government Inspector:  |  | Location:                 |    |     |
| Contractor Inspector:  |  | Date:                     |    |     |
|  |  | Yes                       | No | N/A |
| 1. Are the following with the crane at all times: manufacturer's operating manual and a manual for any crane operator aids; load rating chart; and the crane's log book documenting operating hours, maintenance, inspections and tests? (16.C.02) |  |                           |    |     |
| 2. During crane operation, does the operator have full view of the load and the load travel path at all times or is a signal person used? (16.C.03b)   |  |                           |    |     |
| 3. Is the crane operator designated as qualified by a source which qualifies crane operators? (16.C.04c)   |  |                           |    |     |
| 4. Is the crane operator qualified for each type of crane he/she is to operate? (16.C.05a(1))  |  |                           |    |     |
| 5. Does the operator meet the physical qualifications listed in Appendix G? (16.C.05b)   |  |                           |    |     |
| 6. Is there an adequate clearance maintained between moving and rotating structures of the crane and fixed objects? <b>Minimum clearance is 16 inches.</b> (16.C.09b)  |  |                           |    |     |
| 7. Are there at least three full wraps of cable on the drums of hoisting equipment at all times? (16.C.10a)  |  |                           |    |     |
| 8. Is a pre-operational checklist used for daily inspections? (16.C.12c)   |  |                           |    |     |
| 9. Is a written report of the performance test maintained with the crane or on site? (16.C.13b)  |  |                           |    |     |
| 10. Is riding on loads, hooks, hammers, buckets, material hoists, or other hoisting equipment prohibited? (16.C.15)  |  |                           |    |     |
| 11. Where practical are tag lines used to control loads? (16.C.16)   |  |                           |    |     |
| 12. Before making a critical lift, has a critical lift plan been prepared and reviewed and signed by all personnel involved with the lift? (16.C.18)   |  |                           |    |     |
| 13. Are all load bearing foundations, supports, and rail tracks constructed or installed in accordance with the crane manufacturer's recommendations? (16.E.01)  |  |                           |    |     |
| 14. Are the written erection instructions and a list of the weights of each component to be erected kept on site? (16.E.02a)   |  |                           |    |     |
| 15. Has an activity hazard analysis been developed and implemented for the erection procedures? (16.E.02c)   |  |                           |    |     |
| 16. Is there a boom angle indicator within the operator's view? (16.E.04)  |  |                           |    |     |
| 17. Are luffing jib cranes equipped with shock absorbing jib stops, jib hoist limit switch, and a jib angle indicator visible to operator? (16.E.05)   |  |                           |    |     |
| 18. If used, do rail clamps have slack between the point of attachment to the rail and the end fastened to the crane? (16.E.06)  |  |                           |    |     |
| 19. Do tower cranes weathervane when left unattended? (16.E.08)  |  |                           |    |     |
| Comments:  |  |                           |    |     |

This checklist is based on EM 385-1-1, dated 3 September 1996. Use of this checklist is optional.