

# TOWER CRANE FOUNDATION INSPECTION CHECKLIST

## GENERAL INFORMATION

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

## FOUNDATION STRUCTURAL CONDITION

- Yes  No — Concrete foundation is free from cracking, spalling, or settlement
- Yes  No — Reinforcement and anchor points are intact and undamaged
- Yes  No — Foundation dimensions match engineered design specifications
- Yes  No — No visible deformation or sinking around perimeter

## ANCHORING & FASTENING SYSTEMS

- Yes  No — Tower crane anchors are properly seated and secured
- Yes  No — Bolts are torqued per manufacturer and engineering requirements
- Yes  No — No evidence of bolt stretching, corrosion, or fatigue wear
- Yes  No — Welded connections are intact and free of defects

## DRAINAGE & GROUND CONDITIONS

- Yes  No — Area around foundation is properly graded for drainage
- Yes  No — No pooling water or soil erosion affecting stability
- Yes  No — Ground composition meets geotechnical requirements
- Yes  No — Soil compaction and bearing capacity remain within tolerance

## **LOAD COMPLIANCE & DOCUMENTATION**

- Yes  No — **Foundation design matches crane load rating and operational requirements**
- Yes  No — **Structural and geotechnical engineering approvals are current**
- Yes  No — **Installation records, torque logs, and inspections are available**
- Yes  No — **Foundation remains compliant with site and regulatory standards**

## **SAFETY & SITE CONDITIONS**

- Yes  No — **Barricades and exclusion zones around foundation are established**
- Yes  No — **Access points are clear for inspection and maintenance**
- Yes  No — **No safety hazards observed in the surrounding work zone**
- Yes  No — **Warning signage is visible and in place**

## FINAL NOTES

Inspector Comments:

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Inspector Name: \_\_\_\_\_

Inspector Email: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

I confirm this inspection was completed accurately

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