

Tower Crane Planning & Preparation

Planning

- What kind of crane is needed to serve project needs?
- What cranes are available?
- How can it be supported?
- What are the site restrictions?
- How will it be erected and dismantled?
- How will the crane harmonize with building elements?
- How will the crane harmonize with other construction activities?
- Verify power supply.

Foundation

- What are the maximum crane loads that will be imposed on the foundation?
- What are the geotechnical conditions?
- How will the foundation be constructed and harmonize with the building construction?
- What hardware is needed to anchor the crane in the foundation?
- What inspections are needed before the crane can be erected?

DOB Filing/Approval (NYC)

- Crane foundation is filed and approved separately. DOB must be notified prior to pour.
- Railroads in close proximity trigger concurrent review.
- Freestanding approval requires \$80M insurance, 3rd party inspection and concurrent approval of erecting crane.
- Master Rigger/Tower Rigger must sign/on for erection, dismantling and jumps.
- Each jump must be approved.
- Load test procedure must be approved.
- Inspection and certification by crane EOR is required prior to jump.
- Inspection and sign off after each jump is required from crane EOR and Rigger.