

UNC Contractor Crane Checklist

Contractors

- Provide site-specific lift plan that complies with OSHA Standard Cranes and Derricks 1926 subpart CC to Construction Project Manager (CM). Lift plan should include:
 - Pedestrian safety measures including detours, signage, building access, overhead coverage (e.g., scaffolding w/plywood), and any other site-specific issues.
 - The type, size, model, lifting capacity, certification date and serial number of the crane to be used.
 - A list of items to be lifted/moved, including a description of each item's weight, dimensions, center of gravity, and presence of hazardous toxic materials.
 - The plan may include sketches showing lifting points and paths, methods of attachment, sling angles, load vectors, boom and swing angles, crane orientations, related capacities, and other factors affecting the equipment and lifting operation.
 - The name of the Operator, Rigger and Competent Person.
 - Applicable rigging to be used as well as precautions and safety measures.
 - Precautions that will be implemented if crane will be within 20 feet of power lines.
 - If the lift could be considered critical per OSHA or other regulatory bodies discuss at preconstruction and prelift meetings.

Construction Project Managers

- Contact UNC EHS at the beginning of a project that will require the use of a crane
- Obtain a copy of the contractor's proposed lift plan and send to EHS for review
- Notify UNC Hospital EHS if crane will impact hospital pedestrians, traffic, or operations with Air Care (special lighting may be required based on height/location)
- Provide contractor responsible for crane operations information on ground conditions and known underground hazards (such as steam lines, underground vaults, voids, tanks, utilities, underground building encumbrances, etc.).
- Discuss with qualified person to determine if lift is a critical lift per OSHA or other regulatory group and determine if any extra safety measures are needed. (e.g. building or floor evacuation)
- During the work
 - Ensure pedestrian safety measures outlined during preconstruction are in place
 - Check during lifting procedures for safety issues and contact on site contractor to rectify any issues (power lines, PPE, pedestrians on site, etc.).

EHS

- Review lift plan provided by contractor (Contact the UNC CM with required changes or questions)
- Check site before and during work to ensure pedestrian safety protocols and other site safety measures are in place. Contact UNC CM to relay any issues.
- Resources:
 - Princeton Crane Safety: <https://ehs.princeton.edu/book/export/html/87>
 - NCDOL Cranes and Derricks 1926 subpart CC
 - Overview: <https://www.labor.nc.gov/cranes-and-derricks#hazard-overview>

- Presentation: <https://www.labor.nc.gov/documents/cranes-and-derricks-presentation>