

Brookhaven National Laboratory - Rigging Plan Worksheet

Building No.:		Work Location:		Job #:	
Project Title:			Project Engineer:		

Note: Rigging Plans are to be submitted to the BNL Hoisting & Rigging Inspector or his Designee for review and approval at least **4 working days prior to the lift**. All lifting equipment and operations must be conducted in accordance with applicable DOE, ANSI, ASME and OSHA Standards.

Provide the Following Information:

- **Mobile Crane Operations:** Descriptive Drawing - Sketch w/measurements of pre- and post-lift locations any encumbrances/clearances, crane capacities at working radius, impact on utilities (contact MMC @ ext. 2468) include protective measures where required.
 - **Crane Operators:** Licensed by the **NYS Dept of Labor**, or a **Nationally Recognized Certifying Organization**, recognized by Federal OSHA (i.e. NCCCO, CIA). Qualified for the specific type of equipment to be used.
 - **Mobile Crane Inspection Documentation:** Include copies of the crane load charts (for planned set up), plus documentation of current crane inspections (annual, & monthly) along with rigging plan. A documented daily crane inspection will be required day of lift.
 - **Total Weight of Lift:** (includes load weight, all rigging equipment, & load block)
 - **Description of Material to be Lifted w/Dimensions & Center of Gravity.**
 - **Tag lines and locations of attendant and duties:**
 - **Pre-lift Meeting** - The content of the meeting must be communicated to the lift participants and documented by the Lift Director (PIC). The meeting must include, at a minimum, the following:
 - Intended steps in the lift sequence
 - Work control zone, load path, and unloading area
 - Potential hazards, hazardous situations in the handling area, emergency actions plan
 - How the hazards will be mitigated
 - Stop Work Authority
 - Load handling, securement, and transportation issues
 - Use of standard hand signals or verbal communication for controlling crane operations
 - Spotter and tagline personnel location and duties, if used
 - Address any concerns / issues raised during meeting prior to proceeding.
- A copy of the Pre-lift Meeting Topics and a list of Attendances is to be maintained with the approved rigging plan.
- **Qualified Signal Person (CFR 1926.1428) - Sole responsibility is to direct the movement of the pick with the operator:**
 - **Qualified Rigger (CRF 1926.1404):**
 - **Lift Director - Designated Person-In-Charge (PIC):**
 - **Communication and Signals (CFR 1926.1419-20-21) (Hand signals, emergency signal, voice communication)**

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- **Describe Method of Accomplishment** - provide a written description of the operation. All lifting operations must be conducted in accordance with ANSI/ASME standards and the DOE and OSHA requirements.

