



# Lifting Plan

(Over 5,000lb)

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

Date of Lift: \_\_\_\_\_

Load Description: \_\_\_\_\_

Life Description: \_\_\_\_\_

**A. Weight**

- 1. Equipment Condition: New  Used
  - 2. Weight Empty: \_\_\_\_\_ lbs.
  - 3. Wt. of Headache Ball: \_\_\_\_\_ lbs.
  - 4. Wt. of Block: \_\_\_\_\_ lbs.
  - 5. Wt. of Lifting Bar: \_\_\_\_\_ lbs.
  - 6. Wt. of Slings & Shackles: \_\_\_\_\_ lbs.
  - 7. Weight of Jib: \_\_\_\_\_ lbs.  
Stored  Erect
  - 8. Wt. of Headache Ball on Jib: \_\_\_\_\_ lbs.
  - 9. Wt. of Cable (LOAD Fall): \_\_\_\_\_ lbs.
  - 10. Allowance for Unaccounted Material in Equipment: \_\_\_\_\_ lbs.
  - 11. Other: \_\_\_\_\_ lbs.
- Source of Load Weight:

\_\_\_\_\_  
(Name Plate, Drawings, Spec Sheets, Calculated, Etc.)

**B. Jib**

- Erected  Stored
- 1. If jib is to be used:
    - A. Length of Usable Jib: \_\_\_\_\_
    - B. Angle of Jib: \_\_\_\_\_ deg.
    - C. Rated Capacity of Jib (from Chart): \_\_\_\_\_ lbs.

**C. Crane Placement**

- 1. Any deviation from smooth solid foundation in the area?  
\_\_\_\_\_
- 2. Any Electrical Hazards in the Area?  
\_\_\_\_\_
- 3. Obstacles or Obstructions to Lift or Swing?  
\_\_\_\_\_
- 4. Swing Direction and Degree (Boom Swing)  
\_\_\_\_\_

**D. Cable**

- 1. Number or Parts of Cable: \_\_\_\_\_
- 2. Size of Cable: \_\_\_\_\_

Special Instructions or Restrictions for Crane, Rigging, Lift, Etc.  
\_\_\_\_\_

**E. Sizing of Slings**

- 1. Sling Selection:
  - A. Type of Arrangement: \_\_\_\_\_
  - B. Number of Slings in Hookup: \_\_\_\_\_
  - C. Sling Size: \_\_\_\_\_
  - D. Sling Length: \_\_\_\_\_
  - E. Rated Capacity of Sling: \_\_\_\_\_ lbs.
- 2. Shackle Selection
  - A. Pin Diameter (Inches): \_\_\_\_\_
  - B. Capacity (Tons): \_\_\_\_\_
  - C. Shackle Attached to Load By: \_\_\_\_\_
  - D. Number of Shackles: \_\_\_\_\_

**F. Crane:**

- 1. Type of Crane: \_\_\_\_\_
- 2. Crane Lift Capacity (Tons): \_\_\_\_\_
- 3. Lifting Agreement: \_\_\_\_\_
  - A. Maximum Distance – Center of Load to Center Pin of Crane: \_\_\_\_\_
  - B. Length of Boom: \_\_\_\_\_
  - C. Angle of Boom at Pickup: \_\_\_\_\_ deg.
  - D. Angle of Boom at Set: \_\_\_\_\_ deg.
  - E. Rated Capacity of Crane Under Severest Lifting Conditions (From Chart):
    - 1. Over Rear: \_\_\_\_\_ lbs.
    - 2. Over Front: \_\_\_\_\_ lbs.
    - 3. Over Side: \_\_\_\_\_ lbs.
    - 4. From Chart – Rated Capacity for this lift: \_\_\_\_\_ lbs.
  - 5. Max. Load on Crane: \_\_\_\_\_ lbs.  
Lift is \_\_\_\_\_% of Crane's Rated Lift Capacity

**G. Pre-Lift Checklist**

- |                              |       |    |
|------------------------------|-------|----|
| 1. Matting Acceptable        | Yes   | No |
| 2. Outriggers Fully Extended | Yes   | No |
| 3. Crane in Good Condition   | Yes   | No |
| 4. Swing Room                | Yes   | No |
| 5. Head Room Checked         | Yes   | No |
| 6. Max Counterweights Used   | Yes   | No |
| 7. Tag Line Used             | Yes   | No |
| 8. Experienced Operator      | Yes   | No |
| 9. Experienced Flagman       | Yes   | No |
| 10. Experienced Rigger       | Yes   | No |
| 11. Load Chart in Crane      | Yes   | No |
| 12. Wind Conditions:         | _____ |    |
| 13. Crane Inspected by:      | _____ |    |
| 14. Functionality Tested by: | _____ |    |

Multiple crane lifts require a separate lift plan for each crane. Any changes in the configuration of the crane, placement, rigging, lifting scheme, etc or changes in any calculations require that a new lift plan be developed.

X \_\_\_\_\_ X \_\_\_\_\_  
Signature of Task Supervisor Date Signature Plan Check by Rigging Supervisor Date