



ENERFAB

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CRITICAL LIFT PERMIT**

Project Name / Location _____

Job No. _____

Location of Lift _____

Date of Lift _____

1.0 Crane Data

1.1 Make and Model # _____

Unit # _____

1.2 Type ___ Drum Hoist

___ Boom Truck

___ Rough Terrain

___ Carrier Mounted Hydraulic Crane

___ Carrier Mounted Lattice Boom

___ Crawler Mounted Lattice Boom

___ Mobile Tower

___ Heavy Lift Mobile

Boom Length _____ Ft.

Jib Length _____ Ft.

Counter Weight _____ lbs.

Jib Offset _____

2.0 Load Capacity

2.1 Estimated Load Weight _____

2.2 Calculate Net Capacity

Net Capacity = Gross Capacity – Capacity Deductions

_____ lbs. Gross Capacity at _____ ft. radius

- _____ lbs. Crane Equipment (main block, "effective" jib weight, cable, headache ball, etc.)

_____ lbs. Rigging Weight (shackles, slings, spreader bars, etc.)

- _____ lbs. Others _____

= _____ lbs. Net Capacity versus _____ lbs. Estimated Load Wt.

Net Capacity must be equal to or greater than exact load weight.

Maximum Load Radius _____ ft. Maximum Boom Angle _____

3.0 Rigging

1. _____ Minimum # parts of hoist line = gross capacity.
2. Sling construction: Diameter Inches _____
_____ Wire Rope _____ Fiber Rope _____ Synthetic Web
3. Number of legs _____
4. Sling Capacity _____ lbs.
5. Means of fastening sling or hoist hook to load _____
6. Capacity of fastener (shackle, picking eye, etc.) _____ lbs.
7. Design capacity of lifting beam / spreader bar _____ lbs.

4.0 Pre Lift Requirements (All must be answered YES)

1. ___ Load chart utilized for exact crane model, boom type, & length.
2. ___ Competent person in charge of lift: Name _____
3. ___ Competent signal person identified: Name _____
4. ___ Pre-lift meeting held with lift crew.
5. ___ Written crane inspection completed.
6. ___ Swing path barricaded off.
7. ___ Footing is sound.
8. ___ Minimum clearances from power lines can and will be maintained.
(Under 50KV - 10' clearance - Over 50KV - See OSHA Standard)
9. ___ The load radius has been measured with a tape measure.
10. ___ Wind speed does not exceed 30 mph. Some "sail" loads limited to 20 mph or less.
11. ___ Load will not touch boom in vertical lift.
12. ___ Tag lines are long enough, tied only to the load, and in good condition.
13. ___ Location is far enough away from excavations to eliminate the risk of collapse.
14. ___ Application of blocking under outrigger pads has been carefully considered.
15. ___ Outriggers or crawler tracks are fully extended and wheels are clear of ground.
16. ___ Adequate swing radius protection has been obtained.
17. ___ Boom composition is correct.
18. ___ Crane is level.

APPROVAL SIGNATURES

Project Superintendent

Rigging Supervisor

Date _____

Date _____