**Before you get started…**

* Does client have a specific lift plan template they want you to use?
* Is there specific information they are expecting? (ex: Army Corp or Engineers, MSHA, refinery, airport, hospital, etc.)
* Is lift plan required for all lifts, or are some lifts exempt (ex: material deliveries)?

**GENERAL**

|  |  |
| --- | --- |
| **Company**  **Contact name & #** |  |
| **Project**  **Address** |  |
| **Lift start date** |  |
| **Scope of lift** | Describe object(s) being lifted or what crane will be used for |
| **State/local jurisdiction** | Any permit &/or notification requirements? |

**LOAD & RIGGING PLAN**

|  |  |
| --- | --- |
| **Load details** | For each object, provide its size & weight.  Also ID any special attributes (ex: easily damaged, critical component, flowable contents…)  If available, submit load specs/diagram (showing lift points, CG, measurements, etc.). |
| **Rigging company**  **Rigging gear provider**  **Signaling company** | Identify company responsible for rigging the load.  Identify company responsible for providing the rigging gear.  Identify company responsible for signaling crane (if applicable). |
| **Rigging game plan** | Attach sketch or explain how you plan to rig the load. ID gear that will be used, # sling legs, hitch(es), distance(s) between pick points (horizontally & vertically). |
| **Slings** | Identify slings that will be used: type(s), size(s), length(s), WLL(s) |
| **Rigging hardware** | Identify rigging hardware that will be used: type(s), size(s), WLL(s) |

**SITE & EXPOSURES**

|  |  |
| --- | --- |
| **Power lines** | Are there any power lines (PL) within 100 ft. of the jobsite?  **If YES…**   * If over 350 kV, contact PL owner for clearance requirements. * If 350 kV or less, continue…   Lines 350 kV or less  Are power lines within 20 ft.\* of crane’s max. radius?  *(This is defined as 360° around the crane & its rigging/load, when operating at its max. possible radius – not just lift radius.)*  **If YES**, which precaution will be followed (check one):   * Lines will be ***de-energized & grounded*** (PL owner). * Lines will be ***relocated*** beyond 20 ft.\* of max. crane radius. * Lines will be ***insulated*** (PL owner). New min. clearance = ft. * Will use ***encroachment precautions*** as follows:   + Min. 20 ft.\* between power lines & crane/line/load   + Warning line to mark 20 ft.\* boundary (visible to operator)   + Pre-lift mtg. to review PL location(s) & precautions   + Tag lines (if used) will be nonconductive   + Enhanced precautions if operator can’t see warning lines.   ***\* May reduce to 10 ft. if power line owner confirms voltage 50kV or less*** |
| **Other site exposures?** | Check any that apply:   * Excavations to avoid * Underground voids, vaults, tanks, pipes, utilities to avoid * Occupied building * Exposure to public vehicles or pedestrian traffic * Airport, helipad, or railroad nearby (notifications req’d?) * Obstacles/obstruction to avoid * Other |
| **Crane set-up locations** | Considering lift parameters, crane limitations, and identified site exposures, attach a sketch or diagram that shows crane set-up locations & sequence. Also identify restricted areas. |

**CRANE INFORMATION**

|  |  |
| --- | --- |
| **Crane company**  **Contact name & #** |  |
| **Crane type**  **Make, model, & capacity** | □ Telescoping □ Lattice □ Tower □ Other: |
| **Annual inspection** | Attach documentation. |
| **Max. wind speed** | Identify max. operating wind speed or wind speeds that require lift capacity reductions. |
| **Surface expectations** | Describe surface expected where crane will be set-up. |
| **Mat/cribbing type & size** | Attach calculations/specs. |
| **Crane gear weights** | |  |  | | --- | --- | | **Component** | **Weight** | | Main block/ball |  | | Jib (erected / stowed) |  | | Hoist cable |  | | Aux. block/ball |  | | Aux. boom head |  | | Rigging |  | | Other: |  | | **Total crane gear wt.** |  | |
| **Lift capacity worksheet** | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **LIFT 1** | **LIFT 2** | **LIFT 3** | **LIFT 4** | | Load wt. |  |  |  |  | | Ice/water/contents wt. |  |  |  |  | | Crane gear wt. |  |  |  |  | | **Tot. Lift Weight** |  |  |  |  | |  |  |  |  |  | | Max. lift radius |  |  |  |  | | Boom length |  |  |  |  | | Boom angle |  |  |  |  | | **Crane cap. @ max. rad.** |  |  |  |  | |  |  |  |  |  | | **Lift % of Crane Cap.** | **%** | **%** | **%** | **%** |   Over 75% requires Critical Lift plan. Include copy of appropriate crane capacity chart(s). |
| **Critical lift?** | Do any of the following apply?   * Any pick exceeds 75% of crane capacity * Crane will be used to lift personnel * Multiple crane (tandem) pick – SUBMIT CRANE INSTRUCTIONS * Client-specific critical lift requirements?   If one or more boxes are checked, submit a Critical Lift addendum. Check with client to determine if they have any special critical lift requirements or restrictions. |

**PERSONNEL & QUALIFICATIONS**

|  |  |
| --- | --- |
| **Crane operator(s)** | Name(s) & qualification(s) relevant to crane that will be used.   * Current CCO/equivalent cert for this crane * Current crane operator license (if req’d) * Some also include copy of current CDL, DOT medical cert, &/or employer eval |
| **Rigger(s)** | Name of competent person overseeing the rigging & lift.  Name(s) & qualification(s) of riggers, relevant to rigging work.   * What is needed… (some states specify rigger I, II, master rigger) * Current cert/training doc. |
| **Signal person(s)** | Name(s) & qualification(s) relevant to crane that will be used. |
| **Safety contact** |  |

**SUBMITTALS**

Jurisdictional permit &/or notification

Load diagram/specs

Sketch of rigging game plan (how you will rig load)

Sling & rigging hardware specs (manufacturer-specific)

Sketch/diagram of site, site exposures/restricted areas, crane set-up locations, & heaviest lift (as % of crane capacity)

Crane annual inspection documentation

Crane mat/cribbing calculations/specs

Crane load chart(s)

Crane operator cert(s)/license(s)

Rigger training qualifications

Signal person training qualifications