**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 lessAre 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