



UPF CRITICAL LIFT PLAN CHECKLIST

Work Package No.: _____

Task No.: _____

REVIEW OF CRITICAL LIFT PLANS – content checklist

BY _____

DATE _____

Project Description:		Project No.:		Document Ref. No.:	
Client:		Location:		Revision:	
Date:					
Check	Comments / Actions	Check	Comments / Actions	Check	Comments / Actions
Drawing utilities		Main lift crane(s)		Operation details	
Description, client, job no., drawing no., revision no., date		Crane manufacturer / model		Exclusion (working) zones defined	
Site North		Crane configuration (SH / SSL, etc.)		Limiting wind speeds for operation	
Plan, elevations, end views		Boom / jib lengths, types, angles		Other restrictions (visibility, temperature, etc.)	
Notes & limiting operational conditions		Machine / carbody counterweight used		Approach to power lines, rail lines, live plant, etc.	
Load to be handled		Crawler c/s, outrigger c/s as appropriate		Restrictions on permitted slew angle	
Reference No. / description		Leading dimensions of crane, tail swing radius		Permit requirements	
Reference to vendor / other drawing of item		If Superlift used:		Plan showing load path, tail and superlift swing	
Leading dimensions of load		Back mast radius		Elevation with clearances load & rigging to crane	
Extent of ladders, platforms shown		Back (derricking) mast length and type		Critical clearances load to surrounding plant	
Erection wt (factor as required)		Tray or carriage		Path of tail and tailing crane / trailer	
Position of C of G shown		Hoist block capacity & type		A2B dist with load at maximum EL	
Head load and tail loads		Hoist line capacity and no of parts		Load table(s)	
Location and type of lifting points shown		Two block minimum distance		Load weight	
Compatibility of lugs for rigging checked		Main crane location and moves		Load contingency factors as applicable	
Any temporary lift frames etc. shown		Erection location, boom lay down, build area		Special effects (dynamic, suction, etc.) if apply	
Boom & other clearances checked		Crane location(s) at all phases fully referenced		Ladders, platforms, contents, insulation, etc.	
Delivery direction/laydown shown		Orientation of lower works referenced to N		Crane fixed weight (blocks, lines, attachments)	
Envelope required for transport shown		Radius (hook to c/l of rotation at all phases)		Rigging weights	
Any supports / grillages shown, space req'd		Path of load movement defined		Gross lifted load	
Rigging		Foundation holds required		Net crane capacity at all phases	
Full sling details (inc SWL and Factor of Safety)		Undergrounds near imposed loads shown		Percentage capacity	
Spreader (type / reference no., length, SWL)		Extent of matting required, blocking for ringers		Down rating req'd for tandem lifts if applicable	
Shackles (manufacturer, size, type, SWL)		Imposed loads and pressures		Repeat table for all phases of lift	
Other Rigging Hardware		Max GBP / required ground preparation			
Item reference no's and test cert no's		Tailing			
Hook up drawing		Method to be used (crane/trailer/other)			
		Details of tailing/frame attachment if any			
		Crane details as "main left crane" (as applies)			
		Tail rigging equipment details			
		Equipment ref no's and cert no's			
		Trailer details as apply, type, axles, loadings			
		Trailer height at commencement and completion			
Notes:					