

“Critical Lift Plan” – Other

A written Critical Lift Plan must be prepared, documented and available at the workplace prior to completing a Critical Lift, as defined by WorkSafe BC OHSR 14.1. At a pre-job meeting held immediately before commencing hoisting operations for a Critical Lift, the required lift plan required must be communicated to all people involved and the supervisor must document the meeting. This sample Critical Lift Plan includes the minimum requirements that must be evaluated and discussed before completing a Critical Lift. Every job-site has specific hazards that must be identified, evaluated, discussed and documented on your site specific Critical Lift Plan.

Project: _____ Address: _____

Date: _____ Time: _____ Shift: _____

This Critical Lift plan is being completed for the following lift type:

- A lift by a mobile crane or boom truck that exceeds 90% of its rated capacity while it is lifting the load at a load radius of more than 50% of its maximum permitted load radius, taking into account its position and configuration during the lift.
- A lift in which the centre of gravity of the load changes during the lift.
- A lift in which the length of one or more sling legs changes during a lift.
- A lift by a crane, boom truck or hoist, supported on a floating base, that exceeds 90% of rated capacity for the lifting system.
- A lift of a load over or between energized high voltage electrical conductors.
- A lift of a submerged load.
- Other Critical Lift: Name: _____

CRANE INFORMATION	Yes	No	Reg. #
Crane operator qualifications & competency confirmed (BC Association of Crane Safety)			14.34.1
Crane manufacturer's manual available			14.2
Crane load chart(s) is available for configuration of the crane			14.8
Crane log book available and completed for the shift			14.14
Crane annual inspection completed and certified by a P. Engineer			14.71
Boom truck stability test completed and certified by a P. Engineer			4.8

CRANE ASSEMBLY & SET-UP	Yes	No	Reg. #
Crane assembly and lifting area organized to keep NON -involved persons from entering the site			14.38
Traffic control in place			18.2
Crane outriggers / stabilizers are set onto appropriate cribbing or blocking			14.69
Crane outrigger / stabilizer beams are marked to indicate correct extension & set correctly			14.67
Crane outrigger / stabilizer float pads are secured to jacks			14.67
Crane set-up on a suspended slab or adjacent (close) to the edge of an excavation have footing (base) certified by P. Engineer			14.69 20.1
Overhead and underground utilities evaluated, limits of approach maintained, guarded (30M33)			19.25
Crane load line, hook-block & rigging equipment have been inspected for damage or wear			15.31

CRITICAL LIFT PROCEDURES	Yes	No	Reg. #
A Qualified Supervisor is responsible for the overall safe conduct of the Tandem Lift operation			14.42
A written Critical Lift plan has been prepared, reviewed & is available at the work site			14.42
Rigging details, engineered attachment points & rigging equipment have been evaluated			14.42

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CRITICAL LIFT PROCEDURES CONTINUED			Yes	No	Reg. #
Final load placement site(s) have been evaluated & load placement point(s) confirmed correct					15.3
Maximum crane manufacturer’s operating wind speed for the crane(s) configuration confirmed					4.3
Tandem Lift site wind speed being monitored using an anemometer					14.42
Maximum crane hoist line speed evaluated & discussed					14.42
Maximum Crane travel speed (if applicable) & travel route access evaluated & discussed					14.42
Load distribution, centre of gravity, changing sling length evaluated & discussed					14.42
The need for & position of signaler’s has been evaluated & discussed					14.42
Effective communication has been established, tested & confirmed effective					14.42
Tandem Lift movement controlled by tag-lines has been discussed with rigger(s)					15.2

CRANE LIFT CAPACITY ANALYSIS	
LOAD INFORMATION	CRANE # 1
Load description:	
Load length:	
Load width/diameter:	
Load height:	
Hoisting up height:	
Load weight:	
Block or ball weight:	
Rigging weight:	
GROSS LOAD WEIGHT =	
CRANE INFORMATION	CRANE # 1
Crane make/size/model:	
Crane boom length:	
Crane jib length:	
Crane counterweight:	
Crane radius (furthest load distance):	
Crane gross capacity:	
Crane component deductions: (jib, load line, rooster)	
Crane net capacity:	
% OF CRANE CAPACITY = (gross load weight / crane net cap X 100)	

Discussion on Lift Procedures, Potential Hazards, Safety Issues, Suggestions & Questions:

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Record of the persons attending this Critical Lift Meeting:

Name: (please print)	Signature:	Company:
1.		
2.		
3.		
4.		
5.		
6.		

Critical Lift Supervisor's Remarks _____

Critical Lift Supervisor _____ (Name) CL Supervisor _____ (Signature)

Crane Operator _____ (Signature)