

Site	Meeting Dates:
Assembly/Dismantling Supervisor	
Contractor:	Crane ID:

<b>Tower/Self-Erect Crane Pre-Erection Requirements</b>	<b>Determine Responsibilities ✓</b>					
	Owner / Supplier	Erector	General Contractor	User	Mobile Crane	Other
<i>Crane Base: Type and Support</i>						
1. Crane installation and base drawing specific to the project and certified by a P. Eng. Check base drainage and site access and egress to the tower crane location.						
2. Geotechnical engineer’s soils report (bearing capacity) for crane base certified by a P. Eng. (Pressure results meeting crane installation drawing requirements.)						
3. Concrete compressive strength report required (MPA testing results as per crane installation drawing specifications). Crane structural components, including imbeds (anchor stools) are non-destructive tested and certified by a P. Eng.						
4. Electrical grounding equipment installed in base as per crane manufacturer and or electrical code prior to assembly.						
5. Crane power supply, hard-wired or generator (including lock out points) installed by qualified person with site specific power source permit from applicable power authority.						
<i>Crane Position: Proximity to Crane, Structures and Public Areas</i>						
6. Site layout review, including equipment layout areas, assembly area, mobile crane position.						
7. Identify flagged-off work areas (control zones), temporary lighting and worksite activity planning for day of erection.						
8. Traffic control plan, drawing and permit (if required).						
9. Noise variance permit (if required).						
10. Crane component delivery trucks road travel route evaluated, and staging (holding) location confirmed (if required).						
11. High voltage – overhead hazards evaluated <ul style="list-style-type: none"> <li>• WorkSafeBC 30m33 document obtained and submitted.</li> </ul>						

NOTES:

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12. Neighboring properties aware of crane erection, air rights, etc.						
13. Contact/check with Nav Canada for flight path information.						
14. Flight path - Transport Canada Aeronautical Assessment for Obstruction Marking and Lighting (if required).						
15. Identify who will supply and install navigation lighting.						
<b>Emergency Preparedness</b>						
16. First aid attendant on site for crane erection.						
17. Technical High Angle Rope Rescue Agreement, phone BC Construction Safety Alliance. DEP box or alternate rescue system for erection crew (as required).						
<b>Worker and Equipment Safe Work Systems</b>						
18. Crane overlap, or site collision hazards (structures, trees, and equipment) evaluated. Crane anti-collision device installed on crane.						
19. Specified safeguards in place and safe work procedures developed for crane overlap, or site collision hazards.						
20. High voltage – overhead hazards (electrical conductors) identified. Crane anti-collision device installed on crane.						
21. Safe work procedures developed and communicated to affected workers for high voltage – overhead hazards.						
22. Mobile crane critical lift plan, including machine location, radii, heights, and obstructions.						
23. Fall protection plan for crane erection, maintenance, inspection, and repair.						
24. Lock out procedure for crane erection, maintenance, inspection and repair.						

NOTES:

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<b>Worker Orientation and Training</b>						
25. Crane operator has valid certification from BC Crane Safety and: <ul style="list-style-type: none"> <li>Has demonstrated competency on the crane type</li> <li>Level B – trainee operator has a qualified supervisor.</li> </ul>						
26. Crane erection crew site orientation (site-specific).						
27. Prior to pour inspection of crane foundation assembly system and reinforcing steel certified by a P. Eng.						
<b>Crane Components</b>						
28. Ensure power authority is contacted and 30M33 form (Assurance in Writing) or similar is obtained. Ensure Crane CSA Electrical inspection has been completed.						
29. Specialty engineering documents readily available for crane modifications, flood lighting, signage, etc. (if required).						
30. Air compressor, hose other specialized tools and temporary power are available, calibrated, and compliant (i.e., CSA, power)						
31. Crane manufacturer's operating manuals on site and do include erection procedures						

## SIGN-OFFS:

Role:	Description:	Person Responsible:	Confirmation:
<b>Owner</b>	Owner / Supplier of the Tower Crane	Company: Phone #	Signed: Print Name:
<b>Assembly/ Dismantling Supervisor</b>	Company that erects and installs the Tower Crane	Company: Phone #	Signed: Print Name:
<b>General Contractor</b>	Developer or General / Prime Construction Company responsible for the site	Company: Phone #	Signed: Print Name:
<b>Primary Operator</b>	Sub-contractor / Employer leasing the Tower Crane	Company: Phone #	Signed: Print Name:
<b>Mobile Crane</b>	Owner / Lessee of the Mobile Crane contracted to assist in the erection and installation of the Tower Crane	Company: Phone #	Signed: Print Name: