

Instructions: Complete the Steel erection plan template below. This plan template should include site specific details regarding steel erection activities.

Project Title:

Plan Template Author (print name):

Subcontractor (company name):

Date:

General

Pre-Construction Conference – Accomplished by Site Superintendent prior to the start of steel erection activities. The purpose of such conference is to develop and review the site-specific erection plan that will meet the requirements OSHA 1926.752(e) & U.S. Army Corp of Engineers EM 385-1-1 (if applicable). All personnel will have signed the Centennial’s site safety policy form and have completed a Centennial project safety orientation.

Project Location:

Sequence of Erection Activity

A shakeout / unloading / staging plan has been completed prior to steel erection activities?

Yes	No
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If yes, please reference the "shake-out plan" (Appendix 2) for material staging requirements

Note: Stored structural steel to be stored in a designated lay down area, decking to be stacked no more than 5 feet high, no loose or misc. iron allowed within 6 feet of perimeter roof, unused misc. steel secured at the end of each shift.

Crane Description

Crane make / model:

Crane serial identification number:

Crane has current insurance?

Yes	No
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Crane safe working load capacity:

Crane has been annually tested within the current year?

Yes	No
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Please see the separate crane lift and rigging plan

Note: Crane supplied with an NCCCO certified operator with a current medical qualification (physical), load chart, qualified rigger and signal person (as needed) and equipment certifications will be available upon arrival on-site. Site preparation; firm, level ground around perimeter of building capable of supporting heavy loads.

Critical Lifts

Crane lifts which will impose 75% or more of crane lifting capacity or lifts involving two or more cranes.

This project will require a critical lift(s)?

Yes	No
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If yes, please explain:

Description of Steel Erection Activities

Stability considerations requiring temporary bracing and guying will be considered before placement and determined by the on-site competent person for steel erection.

Initial crane set will be determined by (crane subcontractor):

Please explain the sequence of erection (i.e. columns first, then roof beams, etc.):

Will multiple lift rigging be used?

Yes No

If yes, explain:

Explain any ornamental and misc iron activities:

Fall Protection

Will connection be made from aerial/scissor lifts?

Yes No

If yes, explain:

All workers will be protected from falling by manufacturer approved standard guardrails. Workers will also utilize a full body harness with fall restraint lanyard (no more than six feet) to ensure that workers are not discharged from the basket. All loads will be controlled by the use of a tag line. There will be no freely swinging loads. At no time will personnel be allowed underneath of a load.

Will additional methods of fall protection be implemented into this activity?

Yes No

If yes, explain:

Reference separate fall protection plan

Description of special procedures for Hazardous / Non-Routine Tasks

Will special requirements be implemented on this project?

If yes, explain:

Employee Training / Certifications

List employees who have received training for performing steel erection operations as required:

Name	Name	Name

Competent Person for Steel Erection (name):

Procedures Utilized During an Emergency Rescue / Response

Subcontractor: ,

shall provide for prompt (MAX OF 5 MINUTES) rescue of their employees in the event of a fall or shall assure that employees are able to rescue themselves.

List equipment on-site that will aid in a rescue:

Column Anchorages

Describe column anchorages:

Alignment of Structural Steel Members

The competent person for steel erection activities, listed above, will make this determination in conjunction with the manufacturer's guidelines. The manufacturer's installation instructions will be available on site at all times and will be used as a reference by the competent person for steel erection.

Repairs of Modifications / Torch Cutting

Prior to any field modifications to steel are attempted the engineer of record will be contacted for clarification and direction to repair or alter. **Written approval will be required**

Note: If modifications are anticipated a burn permit (if applicable) and a fire watch must be implemented

Diagonal Bracing

Explain methods for diagonal bracing:

Structural Steel Connections

Explain methods for structural steel connections:

Loose Items

Explain how loose items (bolt bags / tool bags / etc.) will be secured from falling:

Falling Object Protection

Will access to areas below the elevated steel erection activities be controlled?

Yes	No
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If yes, explain methods / equipment / barricades to control access:

Overhead Suspended Load Pre-Planning

Routes for suspended loads must be preplanned to ensure that no employee works directly below a suspended load **except where infeasible** [engaged in the initial connection of the steel / hooking or unhooking of the load].

Include a sketch below of the crane placement on the project site and indicate travel paths of suspended loads:

Personal Protective Equipment

List all applicable PPE:

Covering of Open Holes

Covers of roof and floor openings shall be capable of supporting without failure twice the weight of the employees, equipment and material. All covers shall be secured to prevent accidental displacement and labeled as "HOLE" in block style letters.

Emergency Response Contact Numbers

Fire and EMS:	(number)	<input type="text"/>		
Site Superintendent:	(name)	<input type="text"/>	(number)	<input type="text"/>
Steel Erection Competent Person:	(name)	<input type="text"/>	(number)	<input type="text"/>
Project Safety Officer / SSHO:	(name)	<input type="text"/>	(number)	<input type="text"/>

Plan Review (signature required)

Centennial PSO/Superintendent:	<input type="text"/>	Date:	<input type="text"/>
Centennial SSR:	<input type="text"/>	Date:	<input type="text"/>