**SITE SPECIFIC ERECTION & SAFETY PLAN**

**SITE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE PREPARED: \_\_\_\_\_\_\_\_\_\_\_ PREPARED BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Project Manager

SCOPE OF WORK:

* Erect Structural Steel, Steel Joist, Bridging Bundles and Metal Deck Bundles
* Install Bridging
* Install metal floor and roof deck
* Install shear studs.

**SEQUENCE OF ERECTION ACTIVITY:**

* Receive materials and shake out and stage materials on the north side of the building and within the building footprint.
* Begin erecting from Column Line \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Direction)
* Bolting up metal decking and metal decking will follow up behind steel erection.

**MATERIAL DELIVERY:**

* All drivers delivering materials will follow site safety requirements while on site, such as wearing hard hat and safety glasses when outside of cab
* While dropping or staging trailers, drivers are expected to place adequate dunnage under landing gears to prevent sinking and possible overturning in soft ground conditions.

**MATERIAL STAGING & STORAGE:**

* All materials will be shook out and stored on the north side of the building as well as the building footprint.

**COORDINATION WITH OTHER TRADES:**

* All work will be coordinated with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to ensure no trades are exposed to potential falling debris hazards during the erection phase.

**CRANE SELECTION, PLACEMENT AND DURATIONS:**

* A \_\_\_\_\_\_ Ton Conventional Crawler Crane with \_\_\_\_\_’ Main Boom and \_\_\_’ jib will be used to erect structural steel, deck bundles and bar joist.
* The crane has a current annual certification and the operator is qualified to operate this specific crane.
* The crane will be positioned initially between Col. Lines \_\_\_ & \_\_\_ and will be moving \_\_\_\_\_.
* All loads will be placed within the crane's load radius as measured from the center pin out to the load. Solid blocking will be used under outrigger pads at all times to ensure stable footing.

**SITE PREPARATION:**

* The entire building pad is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The area \_\_\_\_\_\_\_\_\_of sequences \_\_\_\_\_\_\_are compacted select fill. Contractor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is advised to monitor compaction and stabilization for crane access.

**PATH FOR OVERHEAD LOADS:**

* This component of the plan will be coordinated with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_so as not to allow other trades access to areas where loads are consistently passed overhead.

**CRITICAL LIFTS:**

* See QM 12.05.1

**STEEL ERECTION ACTIVITIES & PROCEDURES:**

* Columns will be erected with a minimum of four (4) anchor bolts tightened down
* Beams will be installed with a minimum of 2 bolts in each end of beam and wrench tight before removing hoisting lines. The field foreman shall determine if more than two bolts are necessary for any uncommon connections.
* Steel joist at columns will be erected with a minimum of 2 bolts per connection and the bottom chord extensions (if applicable) shall be restrained by the vertical stabilizer plate to prevent rotation. The above shall all be complete prior to releasing the hoisting cables.
* Joist in bays of 40’ or more shall be field bolted at both ends and joist not requiring bolted ends shall be secured to the support structure at one end on both sides of the seat immediately upon placement in the final erection position.
* Bridging for erection will be installed per the attached tables A and B and/or the erection drawings.
* Bridging bundles shall not exceed 1,000 pounds and shall be placed over a minimum of 3 joists no more than one foot from a secured end.
* The structure is determined sufficient to support metal decking bundles with the following criteria.

1. The bundle of metal decking is placed on a minimum of three joists.
2. The supporting joists are attached on both ends.
3. At least one row of bridging is installed and anchored where possible.
4. The bundle of decking does not exceed 4,000 pounds.
5. The edge of the bundle decking is placed within one foot (1’) of the bearing surface of the joist end
   * Height of this structure is less than 30 feet. Controlled decking zones will be

Established per 1926.760.C1 thru C7 and appendix D to Subpart R.

**FALL PROTECTION:**

* Employees working at a height of fifteen feet or more above a walking or working surface will be protected.
* Connectors will be protected at a height in excess of thirty feet.
* Employees will be trained in proper fall protection for this site.

**FALLING OBJECT PROTECTION:**

* Bolt buckets and other essential items will be secured at all times against accidental displacement. All employees will strive to keep tools, nuts, bolts, etc. from falling from elevated work areas, including boom and scissor lifts.
* Bundles of metal deck that have had banding removed will be secured against displacement by wind or other acts of nature prior to leaving the jobsite or before the onset of windy or stormy weather.
* Only as much deck as can be permanently attached will be laid in one shift. No piece of metal decking shall be left loose or roughed-in overnight.

**HAZARDOUS NON-ROUTINE TASKS:**

* No non-routine tasks are anticipated on this project. However, if any such tasks should develop they will be addressed at that time as a modification to this plan.

**CERTIFICATION OF TRAINING:**

* All employees will review this plan and will be given an opportunity to ask questions or make suggestions. All steel erector employees will work in strict accordance to this erection plan and OSHA procedures. If at any time, an employee is observed working in a manner contrary to the plan, the employee will be re-trained or disciplinary action will be taken in accordance with the enforcement policy.

**EMERGENCY OR RESCUE PROCEDURES:**

* In the event that any steel erector employee falls and is suspended in the air, other steel erector personnel will immediately position either a boom or scissor lift under that employee and will attempt a rescue.
* In the event of fire, tornado, or other such emergencies, all employees will be directed to exit the jobsite and meet at a pre-designated location.

**LIST OF QUALIFIED AND COMPETENT PERSONS:**

**FOREMAN:**

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**CONNECTORS:**

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**CRANE OPERATORS: CERTIFIED FORKLIFT OPERATORS:**

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**IRONWORKER RIGGERS:**

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**CERTIFIED WELDERS:**

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**TRAINED BOOM & SCISSOR LIFT OPERATORS:**

\_\_All Listed Above\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**JOB: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

THE FOLLOWING EMPLOYEES HAVE READ AND AGREE TO ABIDE BY THE SITE SPECIFIC ERECTION PLAN FOR THE ABOVE NAMED JOB:

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