**Activity Hazard Analysis (AHA)**

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| Activity/Work Task:  | Steel Erection / Assembly at Mezzanine | Overall Risk Assessment Code (RAC) (Use highest code)  |
| Project Location:  | OMFE | **Risk Assessment Code (RAC) Matrix**  |
| Contractor:  | Steel Erectors Anonymous | **Severity**  | **Probability**  |
| Date Prepared: XXXXXXX |  | Frequent  | Likely  | Occasional  | Seldom  | Unlikely  |
| Prepared by (Name/Title):  | Bill D. Steele | Catastrophic  | **E**  | **E**  | **H**  | **H**  | **M**  |
| Critical  | **E**  | **H**  | **H**  | **M**  | **L**  |
| Reviewed by (Name/Title):  | Hansel Felipe | Marginal  | **H**  | **M**  | **M**  | **L**  | **L**  |
| Negligible  | **M**  | **L**  | **L**  | **L**  | **L**  |
| Notes: (Field Notes, Review Comments) | Review each **“Hazard”** with identified safety **“Controls”** and determine RAC (See above)  |
| **“Probability**” is the likelihood to cause an incident, near miss, or accident and identified as: Frequent, Likely, Occasional, Seldom or Unlikely.  | **RAC Chart**  |
| **“Severity”** is the outcome/degree if an incident, near miss, or accident did occur and identified as: Catastrophic, Critical, Marginal, or Negligible  | **E = Extremely High** |
| **H = High Risk**  |
| **Step 2**: Identify the RAC (Probability/Severity) as E, H, M, or L for each “Hazard” on AHA. Annotate the overall highest RAC at the top of AHA.  | **M = Moderate Risk**  |
|  **L = Low Risk**  |

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| **Job Steps** | **Hazards** | **Controls** | **RAC** |
| Small Tool Use (wrenches, drills, hammers, etc.) | Cuts / Soft Tissue Injury | * Wear gloves 100% of the time
 | L |
|  | Damage to Eyes | * Wear ANSI Z-87 rated safety glasses
 | L |
| Material Handling (moving steel / bolts / small equipment) | Back Strain | * Lift anything over 50lbs with a partner
 | L |
|  | Slips, Trips, and Falls | * Plan path of travel and ensure it is clear before moving any material
 | L |
|  | Cuts / Soft Tissue Injury | * Use gloves
 | L |
|  | Dropping material below | * If hoisting material to elevated surface, ensure it is correctly secured and away from edges
 | M |
| Cutting / Grinding / Welding Steel | Fires / Burns | * Fill out Hot Work Permit prior to work beginning
* Clear area of any flammables
* Wear suitable clothing that covers skin, welding jacket / pants if applicable
 | M |
|  | Fume Inhalation | * Only perform work in well ventilated area
 | M |
|  | Damage to Face / Eyes | * Use a face shield for cutting or grinding in addition to safety glasses
* Use welding hood for welding
 | M |
| Accessing Top of Mezzanine | Falls | * Use an 8’ A-frame ladder and be *very* careful when climbing onto the mezzanine from there
 | M |
| Working on Top of Mezzanine | Falls | * Use harness and lanyard to tie off to square column since fall risk is greater than 6’
 | M |
|  | Dropping Tools off Edge down below | * Make sure tools are secured and/or away from the edge
 | M |
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| **Equipment to be Used** | **Training** | **Inspection Requirements** |
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| **Activities Requiring a Competent or Qualified Person – Attach Proof of Competency** |
| **Activity** | **Designated Competent or Qualified Person** |
| Ladder Use | Bill D. Steele |
| Fall Protection Use | Bill D. Steele |
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| **Signatures / Verification of Review** |
| **Name (Print)** | **Signature** | **Date** |
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| **AHA Modified and Reviewed** |
| **Name (Print)** | **Signature** | **Date** |
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