**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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