

Activity Hazard Analysis (AHA)

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: XXXXXXXX			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					
		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.					

Job Steps	Hazards	Controls	RAC
Small Tool Use (wrenches, drills, hammers, etc.)	Cuts / Soft Tissue Injury	<ul style="list-style-type: none"> Wear gloves 100% of the time Perform an inspection on all tools prior to work to ensure they're in proper working order, guards in place, etc. 	L
	Damage to Eyes	<ul style="list-style-type: none"> Wear ANSI Z-87 rated safety glasses 	L
Material Handling (moving steel / bolts / small equipment)	Back Strain	<ul style="list-style-type: none"> Lift anything over 50lbs with a partner Stretch and flex prior to beginning work 	L
	Slips, Trips, and Falls	<ul style="list-style-type: none"> Plan path of travel and ensure it is clear before moving any material 	L

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	Cuts / Soft Tissue Injury	<ul style="list-style-type: none"> Use gloves 	L
	Dropping material below	<ul style="list-style-type: none"> If hoisting material to elevated surface, ensure it is correctly secured and away from edges 	M
Cutting / Grinding / Welding Steel	Fires / Burns	<ul style="list-style-type: none"> 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 Keep fire extinguisher within 30 ft. of work Maintain a fire watch for 30 minutes after work finishes 	M
	Fume Inhalation	<ul style="list-style-type: none"> Only perform work in well ventilated area 	M
	Damage to Face / Eyes	<ul style="list-style-type: none"> Use a face shield for cutting or grinding in addition to safety glasses Use welding hood for welding Set up welding curtain in area to protect passerbys 	M
Accessing Top of Mezzanine	Falls	<ul style="list-style-type: none"> Use an 8' A-frame ladder and be very careful when climbing onto the mezzanine from there Response should flag this as unsafe and provide an alternate means of accessing mezzanine, like using an extension ladder that is properly secured at base, set up a 4:1 ratio, with a integral gate at the top, etc. 	M
Working on Top of Mezzanine	Falls	<ul style="list-style-type: none"> Use harness and lanyard to tie off to square column since fall risk is greater than 6' AHA should specify clarify how tie off to column is made, AKA a beam strap Should also be noted that beam strap needs some form of protection (or special strap) to prevent fraying cutting on square edged column How will the initial fall protection be put in place before anyone has been up there? 	M
	Dropping Tools off Edge down below	<ul style="list-style-type: none"> Make sure tools are secured and/or away from the edge Danger tape off area below with sufficient clear space to prevent anyone from walking below 	

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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	
Signatures / Verification of Review		
Name (Print)	Signature	Date

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AHA Modified and Reviewed		
Name (Print)	Signature	Date

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