

Activity Hazard Analysis (AHA)

Activity/Work Task: GFRC Erection	Overall Risk Assessment Code (RAC) (Use highest code)					
Project Location: Irvine, California	Risk Assessment Code (RAC) Matrix					
Contractor: Precast Erectors	Severity	Probability				
Date Prepared: July 2, 2015		Frequent	Likely	Occasional	Seldom	Unlikely
Prepared by (Name/Title): James Barker / Project Manager	Catastrophic	E	E	H	H	M
	Critical	E	H	H	M	L
Reviewed by (Name/Title):	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
	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.					H = High Risk
						M = Moderate Risk
						L = Low Risk

Job Steps	Hazards	Controls and Regulatory Reference	RAC
1. All personnel are available for the operation	1. Personnel who is not trained properly in equipment usage can potentially damage material or cause injuries	1. All personnel is to be properly trained on the equipment that they will be using. As well as be trained in the use of fall protection equipment.	L
2. Mobilize employees and equipment in the work areas.	2. Potential unsafe conditions: a. Improper transportation of equipment may cause injury or material damage b. The use of hazardous vehicles may cause injury or damage c. Drivers not being trained or licensed	2. Ensure that: a. All equipment is properly secured. b. Inspect vehicles before each use on a daily basis and remove vehicles from service which are deemed unsafe. c. Ensure that all drivers are trained and licensed before the use of equipment.	L L L

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	d. Falling objects may cause head injuries	d. Ensure that all personnel are wearing their hard hats at all times.	
3. Prepare area for Work	Potential Hazards in Work Area: <ul style="list-style-type: none"> a. Flammable or combustible material b. Unprotected edges or floor holes c. Flying hazards, such as dust or particles that may cause eye irritation 	Ensure that: <ul style="list-style-type: none"> a. If required obtain a hot work permit if hot work will be performed b. Area is to be inspected for fall hazards and the required/appropriate guardrails and hole covers are to be used. Personal fall arrest systems shall be used if necessary c. All personnel is to wear safety glasses at all time 	L L L
4. Perform Work	Falling	When working 6' above the ground, 100% fall protection is required. Fall protection must have appropriate 5000 lbs. anchorage point.	L
	Panels may be lifted improperly and fall	All panels are to be offloaded and tilted to the vertical inside the Limited Access Zone.	L
	Strains	Proper lifting techniques shall be used to avoid strains and other injuries	L
	Falling	All leading edges are to be established. Employees on the leading edge must be tied off to leading edge horizontal or SRL. Deck shall be 100% passive fall protection prior to letting personnel in the work area.	M
	Ladders	All ladders should extend 3' above the deck which they will be accessing. The ladder should be secured at the top and bottom. Ladders that will be used will be climbed with three points of contact. All the appropriate signage regarding the load limits of the ladder shall be on the ladder. If a ladder is damaged or does not have the appropriate signage shall be taken out of commission.	L
	Falling objects, debris, and excessive noise occurring when performing the work	Ensure that all personnel are wearing the required PPE such as hard hats, steel toe boots, gloves, and safety glasses	L

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	Falling Scissorlift	Manufacturer guidelines are to be followed when using the scissor lift. Scissor lifts should be inspected daily before use. Operators should be trained properly prior to going on the scissor lift. The scissor lift should not exceed the loads that the manufacturer provides. Prior to moving the lift, be sure to know your surroundings if people are around.	M
5. Demobilize	Material or equipment that is not transported properly can cause injury	Ensure that all equipment is secured properly	L
	Objects falling from elevations	Ensure that all personnel are wearing the required PPE such as hard hats, steel toe boots, gloves, and safety glasses.	L
	Unlicensed drivers may cause injury or damage	All equipment operators must be qualified to use the equipment	L
Equipment to be Used		Training	Inspection Requirements

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Cargo Truck Welding Machine Crane and Rigging Boomlift Scissorlift Fall protection Ladders	CDL Worker Safety Orientation Training Certified Welders Certified Operator and Flaggers/Riggers Certified Operators Certified Operators Fall Protection Testing	Daily Vehicle Inspection Daily Inspection of Leads Daily Inspection of Crane and Rigging Daily Pre-work Area Inspection and Equipment Inspection Daily Pre-work Area Inspection and Equipment Inspection Daily Pre-work Area Inspection and Equipment Inspection Daily Inspection Daily Inspection Daily Inspection
Welding Machine		
Boomlift		
Scisso		

Activities Requiring a Competent or Qualified Person – Attach Proof of Competency	
Activity	Designated Competent or Qualified Person

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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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