

Hazards and Controls

Check all controls listed below that apply to this operation.

	Yes	N/A		Yes	N/A		Yes	N/A
<u>Elevated Work Platforms</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Excavation / Trenching</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Roof work</u>	<input type="checkbox"/>	<input type="checkbox"/>
(Ex. Scissor Lifts, Aerial Lifts, JLG's, etc.) <ul style="list-style-type: none"> ▪ All workers to have proof of ANSI A-92 training ▪ Pre-shift inspections shall be done prior to use or by shift and inspected in accordance with the manufacturer's instructions ▪ Fall protection must be used when required ▪ Cribbing, when required, will be used according to lift manufacturer instructions ▪ Maintain safe distances from overhead power lines ▪ Inspect ground conditions ▪ Protect floor openings before lift use ▪ All chains will be in place before workers operate lifts 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Complete Excavation Trade-Specific Checklist ▪ Layout/complete Digsafe / utility markings ▪ Hand digging (ONLY) within 18" of known utilities ▪ Cave-in protection plan in place for cuts >5' (describe below) ▪ Access provided at >4' every 25-ft ▪ Perimeter fall protection for cuts at >6' ▪ Ensure Competent Person is on-site at all times ▪ Never work when water is in hole ▪ Traffic/ worker protection plan in place (barriers) ▪ Trenches greater 4-ft that has potentially hazardous atmospheres may require permit-required confined space controls. ▪ Spoil piles shall be kept at a minimum of 2-ft from trench edges 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Safety monitors not allowed ▪ Leading edge work requires 100% fall protection ▪ Fall Protection Plan required – describe below ▪ Employees must provide proof of training for fall protection <div style="background-color: yellow; text-align: center; padding: 2px; margin: 10px 0;">***Training is mandatory***</div> <ul style="list-style-type: none"> ▪ Warning lines if used are at least 6' back for roofers and 15' back for non-roofers ▪ No storage of material within 10' of edge ▪ Material secure at all times ▪ Safe access provided ▪ Rescue plan in place – describe below ▪ Follow the Hot Work permit as required ▪ Refer to Safety Data Sheets (SDSs) for chemicals. Use appropriate PPE as indicated on the SDSs ▪ Liquid Asphalt roofs – describe safety / hot work plan below 	<input type="checkbox"/>	<input type="checkbox"/>

<u>Hazardous Materials</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Energy Source</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Scaffolding required</u>	<input type="checkbox"/>	<input type="checkbox"/>
<p>(Ex. asbestos, lead, pcb's)</p> <ul style="list-style-type: none"> ▪ Full Abatement Plan / Safety Plan required ▪ Disposal plan (reviewed/approved) ▪ Containment plan in place ▪ Signage in place ▪ All required PPE in place ▪ Hazardous materials assessment report on-site ▪ All workers to provide proof of training. <i>Examples:</i> <li style="padding-left: 20px;">a. hazmat, <li style="padding-left: 20px;">b. respiratory, <li style="padding-left: 20px;">c. biological, etc. ▪ Work plan approved by government is attached ▪ Air monitoring plan in place ▪ SDSs required for all chemicals 	<input type="checkbox"/>	<input type="checkbox"/>	<p>(Ex. electrical, steam, gas, etc.)</p> <ul style="list-style-type: none"> ▪ No live electrical work including voltage testing ▪ Equipment will be de-energized upstream ▪ Compliance with NFPA 70E – describe below ▪ Provide proof of training on NFPA 70E ▪ Workers will wear Arc Flash PPE to verify power is de-energized ▪ Proper lockout/ tagout ▪ Complete panel entry safety permit (before panel is de-energized) ▪ Other high risk tasks describe below (live taps, etc.) 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Fall protection in place when at >6' ▪ Erectors/ dismantlers tie off >6' – describe below ▪ If infeasible, complete scaffold feasibility form ▪ Erected by trained person: firm, level, plumb ▪ Bakers have rails when at >4' ▪ Scaffolds are inspected by competent person daily and pre-shift; initialed on scaffold tag ▪ Scaffold secure to building as needed ▪ All workers have scaffold training (i.e. – Erectors / Users) ▪ All scaffolds must be tagged with GREEN, YELLOW or RED tags ▪ All energized lines must be identified and made safe 	<input type="checkbox"/>	<input type="checkbox"/>

<u>Saw Cutting / Coring</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Fall Hazards</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Steel Erection</u>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ All utilities have been identified <i>(as built review or scan)</i> ▪ Secure area around and below operation ▪ No material will be dropped – all material will be safely lowered ▪ Electrical equipment will be tied-in by electrician and inspected daily ▪ Proper PPE (face shield, hearing protection, etc.) ▪ Dust suppression practices shall be used <i>(i.e. – wet methods, negative air)</i> ▪ Ensure all manufacturer's protective devices (guards) are in place and operational. 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Utilize 100% fall protection tie-off at all times at heights equal to and exceeding 6-ft ▪ All workers using fall arrest equipment are trained ▪ Tie off overhead when possible ▪ Personal fall arrest equipment must be tagged and designed for use as PFAS only ▪ Rigging straps not used for anchor points ▪ Anchor points must hold 5,000 pounds per person ▪ Equipment inspected daily ▪ 100% tie off >6' ▪ Guardrails installed per OSHA regulations ▪ Fall distances and clearances will be evaluated <p style="text-align: center;">***Training is mandatory***</p>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Complete steel erection safety checklist with SDC during pre-erection kickoff meeting ▪ All workers have proof of training - OSHA subpart R, fall protection, lifts, welding certs, ▪ Complete crane safety paperwork ▪ 100% fall protection when at >6' ▪ Rescue plan in place <p style="text-align: center;">*** describe detailed plan below ***</p> <ul style="list-style-type: none"> ▪ Overhead protection shall be in place two secure levels below work areas and barricades and/or signage will be used to prevent unauthorized access ▪ Bolt buckets and bags, tools and any other material associated with this task will not be left unattended on steel beams at any time or carried up a ladder ▪ All rigging will be inspected by a qualified rigger prior to each shift. Any damaged or defective rigging shall be removed immediately. ▪ Cable guardrails, when installed, shall have a minimum of 3 wire rope clips at all termination points 	<input type="checkbox"/>	<input type="checkbox"/>

<u>Concrete and Masonry</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Heavy Equipment</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Confined Space Entry</u>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ Dust control plan/ wet methods/ negative air/ respiratory protection ▪ Engineered shoring plan (<i>formwork, decks, walls</i>) ▪ Steel plate rebar caps installed ▪ Workers cutting rebar will wear safety glasses, face shields, gloves, hearing protection, and hard hats. ▪ Provide railings, or require positive fall protection if exposure is over 6-ft 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Users have proof of training ▪ Equipment inspected daily ▪ Hydraulic spill kit on site ▪ Swing radius protected ▪ Back up alarms in place ▪ High-vis vests used by all ▪ Properly secure the machine while unattended ▪ Wear seatbelts at all times ▪ Never work or walk under loads ▪ Operator at controls at all times while load is hoisted ▪ Cover or barricade excavations as soon as practical ▪ Always make eye contact with equipment operators prior to approaching ▪ Proper air quality is maintained while equipment is used indoors (i.e. scrubber, ventilation) <p style="text-align: center;">***Training is mandatory***</p>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ All workers have training in entry/ attendant <p style="text-align: center;">***Training is mandatory***</p> <ul style="list-style-type: none"> ▪ All confined space work requires: <ul style="list-style-type: none"> ○ <i>Continuous air monitoring</i> ○ <i>Full time stationed attendant</i> ○ <i>Permit complete daily</i> ○ <i>Rescue plan in place (describe below)</i> ▪ Energy sources isolated ▪ Hot work/ welding/ potential change of atmosphere – describe below ▪ Entry hole protected from falls (guardrails) ▪ Ensure safe illumination in place ▪ Ensure sufficient ventilation and air circulation inside confined space 	<input type="checkbox"/>	<input type="checkbox"/>

<u>Cranes/ Hoisting/ Rigging</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Fire Protection / Hot Work</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Demolition</u>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ SDC Crane Checklist has been completed ▪ All equipment tagged and rated ▪ Workers have proof of training (qualified rigger/ signalperson/ operator) ▪ Cranes and rigging equipment inspected daily ▪ Traffic control in place ▪ Ensure the proper rigging selection is of sufficient strength and size ▪ All individual rigging components are capable to support the entire load independently <i>(if not possible, explain below)</i> ▪ Manufacturer's hoisting attachment points have been reviewed 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Complete permit daily ▪ Fire extinguisher at location ▪ Fire watch in place ▪ Combustible material protected or stored >35' away ▪ Welding screen in place ▪ Smoke eaters used indoors ▪ Follow local laws, client and SDC requirements ▪ Proper PPE ▪ Fire Watch will remain on duty 30-min after hotwork is completed ▪ Compressed gas cylinders and flammable liquids will be stored properly ▪ Flashback arrestors used ▪ Welding leads inspected daily and repaired properly as required <i>(rubber and friction tape)</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Hazmat report reviewed ▪ Pre-demo survey complete ▪ Structural demo plan approved by engineer ▪ Make safe complete ▪ Workers trained in demolition safety ▪ PPE includes protection for cuts and lacerations, face shields, hearing protection ▪ Proof of respirator training if used ▪ Dust control plan - describe below 	<input type="checkbox"/>	<input type="checkbox"/>

<u>Hand Tools</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Ladders</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Respiratory Protection</u>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ Inspect hand tools prior to each use ▪ Damaged tools will be removed from service and tagged "DEFECTIVE" ▪ Never remove guards from power tools ▪ Unplug tools first before servicing, changing drill bits, saw blades, or grinding wheels. ▪ Pneumatic power tools shall be secured to the air hose by an approved quick connect ▪ Electric cords shall not be exposed to damage from vehicles driving over them. ▪ Portable electric tools shall not be lifted or lowered by means of the power cord 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Always face the ladder when climbing ▪ Never stand on the top two rungs of the ladder ▪ All ladders must be secured to prevent displacement ▪ Extension ladders must be secured before work is performed ▪ Aluminum ladders are prohibited ▪ All ladders shall be erected so at least 3-ft of the rails extend over the landing ▪ Use 3 points of contact when ascending or descending on a ladder ▪ Never carry tools or equipment <ul style="list-style-type: none"> - <i>use handline</i> 	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ Respiratory Protection Program will be submitted ▪ Submit employee documentation for: <ul style="list-style-type: none"> - <i>Annual medical evaluation</i> - <i>Fit testing</i> - <i>Proof of training</i> ▪ If air supply respirators are required, describe below ▪ SDSs reviewed and available to all workers on-site ▪ Unauthorized/Untrained workers will not be allowed in work areas which require respirators (i.e. spray-on installation, paint) ▪ Workers who choose to wear a respirator will read and sign OSHA's Appendix D to Section 29 CFR 1910.134. 	<input type="checkbox"/>	<input type="checkbox"/>

ADDITIONAL NOTES/ COMMENTS/ CONTROLS:

Step	Work Task	Hazard	Controls
1			
2			
3			
4			
5			

