



EXHIBIT S

DeAngelis Diamond Construction, LLC Subcontractor Safety Requirements

PURPOSE:

A safe workplace for all workers is paramount to a successful project for DeAngelis Diamond Construction, LLC ("DDC"), and DDC's goal on every project is to be incident and injury free. No deadline, project or workplace activity is worth the risk of injury as DDC wants everyone to return home safely at the end of each day. Accordingly, the Subcontractor Safety Requirements outlines the minimum Subcontractor safety requirements. DDC may evaluate and alter these safety requirements based on project conditions. Any changes or modification of project safety requirements must be approved by DDC. All project personnel and contractors must comply with project safety requirements. Many project safety requirements exceed OSHA standards.

ADDITIONAL REFERENCES:

1. DDC Safety Program is in addition to safety requirements set forth in the Subcontract and Exhibit A and all project personnel and subcontractors of any tier are required to comply with such requirements.

1.1 OWNER REQUIREMENTS:

Comply with Project Safety and Health Guidelines

1.2 REGULATORY COMPLIANCE

- a) Subcontractors must comply with all OSHA, local, and state regulations.
- b) Subcontractors shall also comply with DDC Site Specific Safety Program.

1.3 NEW EMPLOYEE SAFETY ORIENTATION

- a) All employees working on the site shall attend a new employee site-specific safety orientation before starting work at jobsite. Emphasis will be on project logistics, emergency response procedures as well as general project information crucial for all project employees to be familiar with to ensure safe operations for all involved with project.

1.4 GENERAL

- a) All Subcontractors must submit hardcopy binders of their Site-Specific Project Safety Program, Safety Data Sheets (SDS) and written Silica Program within 10 days of the contract award, to the Project Manager for approval. Said program shall list potential exposure items and measures designed to control those items as it applies to commercial construction, as well as a list of competent persons for all operations and emergency phone number of key team members. Attendance at a Pre-Construction Safety Planning Meeting at least 2 weeks before work commences shall be mandatory. The subcontractor shall require the following personnel to attend the Pre-Construction Safety Planning Meeting: The Working Foreman, Supervisors, Project Managers and Safety Personnel. The goal of this meeting is to provide training certifications for listed competent persons, evaluate entire scope of work for Subcontractor and review provided Job Hazard Analysis from Subcontractor for each of their tasks that will be associated with their scope of work.
- b) Each Subcontractor and Sub-Subcontractor shall designate a member of supervision as their safety representative/competent person whose duty shall be the prevention of accidents. The designated safety representative shall not be the working foreman. The Subcontractor shall submit the name of this individual



along with their resume to DDC Construction for approval prior to work commencement.

- c) All Subcontractors will provide a full-time on-site safety professional if their daily-work force exceeds 50 employees. In the event of excessive incidents and/or continued non-compliance with safety requirements, DDC may require a designated full or part time safety representative to be onsite. All designated safety representatives must be approved by DDC.
- d) All tasks are to be planned ahead of time on the project. Subcontractors must complete a daily job hazard analysis (JHA) or pre-task plan for all activities that will be performed on this Project. This is to be completed the day that work activity is taking place and to be reviewed with area superintendent or safety manager.
- e) Job Hazard Analysis (JHA): Pre-Task Plan is an in-depth guide to accomplish a task safely. DDC requires a JHA once a day or before every different task a Subcontractor performs regardless of the expected risk. The JHA assists a foreman and crew to discuss and coordinate the safe performance of the day's work.
- f) All Subcontractors are expected to participate in a daily huddle meeting, either participating with entire project work-force at a time/area designated by DDC Superintendent or within own working team. These meetings are to be used for Bend to Build activities, daily pre-task/job hazard planning or any other safety related communication.
- g) All DDC Sites are tobacco free, and no tobacco use will be permitted. Violations of the tobacco policy will result in retraining, suspension or dismissal from the project.
- h) Subcontractors shall conduct weekly toolbox talk training sessions. Copies of the sign-in sheet shall be turned into DDC weekly.
- i) All Subcontractors shall perform routine daily workplace inspections and submit inspection reports to DDC on a weekly basis. DDC will review these inspections and DDC may require more frequent or more specific safety inspections from subcontractors.
- j) All employees must be trained in the hazards associated with their scope of work. Documentation of specific training must be submitted to DDC prior to start of work. Examples of such training include but are not limited to: Aerial Work Platform Training (ANSI specific), Rigging/Signal Person Training.
- k) All Subcontractors shall participate in a periodic Principal's meeting; Owners / Principal Designated Representatives of each company shall attend this meeting which is mandatory.
- l) Each subcontractor shall require that their employees attend a safety meeting each week with their Supervisor. A copy of the meeting minutes, with signatures of attendees, shall be forwarded to DDC. DDC may audit subcontractor safety meetings or require specific or additional safety meetings.
- m) Each subcontractor must provide an adequate amount of drinking water with sanitary drinking cups, for each of their employees on site. All water coolers must be labeled with ownership as well as inspection dates regarding sanitation of cooler.
- n) Portable radios, iPods or headphones are not permitted on site. Violations are subject to a retraining, suspension or dismissal from the project.
- o) Each subcontractor is required to have a first aid kit large enough for the number of employees they have on site. This box must be maintained and replenished when necessary. The subcontractor shall supply non-emergency transportation for all his/her injured employee. Any and all incidents,



regardless of severity are to be reported to DDC immediately by injured party or foreman (see details in next section).

- p) All heavy equipment delivered to the site shall have a working backup alarm, working seatbelt (if equipped by the manufacturer) a copy of the manufacturers operating manual and a mounted fire extinguisher.
- q) Subcontractor shall document a weekly inspection on all heavy equipment and cranes. A copy of this inspection shall be turned into DDC.
- r) All equipment operators shall wear a seat belt at all times if the manufacturer has included a seatbelt.

1.5 INCIDENT REPORTING

- a) The Subcontractor shall immediately investigate all actual and alleged incidents of employee injury and illnesses and document properly. Copies of all incident reports shall be given to DDC within 24 hours of the incident.
- b) It is the responsibility of the Subcontractor to notify DDC Superintendent OR Safety **immediately** when any of the following occur:
 - i) First Aid Cases (use of the on-site first aid facility is encouraged)
 - ii) Injuries / Occupational illnesses
 - iii) Alleged injuries / illnesses
 - iv) Near Miss incidents
 - v) Equipment / Property damage
 - vi) Spills
 - vii) Public endangerment – pedestrians, buildings, etc.
 - viii) Utility Damage or hits to underground or overhead lines
- c) The Subcontractor is expected to provide full cooperation and participation in any incident investigation or post incident review.

1.6 SPILL INCIDENTS AND REPORTING

- a) Subcontractors are responsible for any spills or other environmental incidents caused by their actions including spills associated with the operation of their vehicles i.e., gasoline or oil leaks. The Subcontractor is required to report such an incident to DDC. The costs associated with the cleanup will be charged to the Subcontractor and/or this Subcontractor will perform and complete the cleanup per current environmental standards.
- b) Subcontractors creating a spill hazard must supply an adequate amount of spill kits for clean-up measures. The spill kits shall be readily available for emergency situations.
- c) All materials (Fuel, Oil, form oil, compressed gases, etc.) must be labeled by the designated owner and stored correctly.

1.7 TRAINING DOCUMENTATION

- a) The Subcontractor shall be prepared to forward DDC all applicable employee safety-training records upon entering the site. The Subcontractor shall make every effort to forward training records prior to arriving on site. If this is not possible, DDC shall obtain copies of the records at the new employee orientation. DDC may require additional or specific training be implemented.



1.8 MATERIAL STORAGE AND HOUSEKEEPING REQUIREMENTS

- a) Subcontractors shall ensure that walkways, aisles, work areas and common areas are free of excess stored material, cables, hoses, welding leads and material waste. Each Subcontractor shall be responsible for maintaining general housekeeping in their work area in accordance with the general work and local labor area practice's. Subcontractors are required to place all waste generated from their operation to a designated area this area will be designated by DDC.
- b) Subcontractors shall do the following regarding material storage:
 - i) Materials shall be palletized, stored on dunnage and/or carts with wheels to the extent possible for safe handling.
 - ii) Materials shall be sorted and stacked between knee and chest height for safer access and handling.
 - iii) Materials shall be stored for the use of one (1) week duration to minimize overloading issues.
 - iv) Materials and equipment shall be labeled by the sub-contractor.
 - v) All materials, product and equipment will be labeled or color coded by each subcontractor for prompt identification. Failure to properly identify materials or equipment will result in backcharge of any labor required to clean, handle, move or dispose of such.

1.9 CORD MANAGEMENT

- a) The Subcontractor is expected to inspect all extension cords before use and repair or replace if found damaged.
- b) Extension cords should be used in a manner to avoid tripping hazards at all times, Accordingly, extension cords should be elevated from the floor at all times, and cord ramps should be used in access areas.

1.10 GENERAL AND EMERGENCY ACCESS

The Project shall require that access paths are maintained free of obstructions. Subcontractors shall not store materials or equipment in corridors or roadways that shall impede emergency access corridors, stairways, or ladder access points.

1.11 PERSONAL PROTECTIVE EQUIPMENT (PPE)

- a) All personal protective equipment shall be in compliance with OSHA regulations and site requirements and be specified in the Pre-Task Plan.
- b) The Subcontractor is expected to provide all necessary PPE to its employees and any visitors who will be on site.
- c) DDC expects the Subcontractor to self-police PPE requirements. DDC will not be burdened with the task of constantly reminding Subcontractor's employees of their PPE obligations. Failure of the Subcontractor field supervision to perform self-policing of safety requirements, including PPE violations, shall constitute a safety violation to the responsible foreman **AND** the violating employee(s).
- d) All personnel are required to utilize eye protection when on the construction site at all times.



Minimum eye protection shall include approved safety glasses as specified by OSHA 1926 Subpart E., which meet the standards specified in ANSI Z-87.1-1989. This shall also include prescriptive eyewear. Additionally, when performing tasks or activities where flying objects, chemical hazards, or other recognized hazards are present, each subcontractor's Competent Person and/or safety representative shall determine the additional level of protection required per OSHA 1926 Subpart E and require that it be utilized when those tasks or activities are being performed.

- e) Approved hard hats, safety glasses, task specific gloves, leather work shoes, long pants, high visibility vests or shirts and shirt sleeves are required at a minimum AT ALL TIMES WHILE ON SITE.
- f) A face shield or goggles will be required for all overhead drilling, use of chop saws, masonry/carpentry saws or similar activities due to the increased potential for eye and face injuries.
- g) Gloves are required for certain scopes of work on the project with minimum ANSI Level One Protection. Subcontractors should provide the most suitable gloves for the task being performed on this project and provide custom written specific policy.

1.12 EMERGENCY RESPONSE

- a) The project will conduct evacuation drills during the course of construction. The evacuation drills will be scheduled in such a manner to minimize impact to construction.
- b) The Subcontractor shall appoint someone to have "accountability" for employees on site and shall take a head count at the muster point and be responsible to report back to DDC.
- c) The Subcontractor shall maintain a current, accurate daily list of employees on site and forward this list to DDC Superintendent when requested. The daily employee report shall be used to aid in taking head counts in the event of a drill or actual emergency.
- d) Each subcontractor must have as a minimum of one (1) employee that holds a current certificate in CPR and First Aid for every 20 employees they have on site.

1.13 FIRE PROTECTION AND HOT WORK OPERATIONS

- a) The Subcontractor is required to submit operation/location/task specific fire prevention "pre task plans" / DDC in-order to perform Hot Work on the project. The regulations of OSHA, NFPA and the Subcontractor's hot work requirements shall be strictly adhered to. The Subcontractor's Pre-Task Plan shall also specifically address fire protection issues.
- b) The Subcontractor shall be responsible for adhering to all applicable City or town Fire Department requirements and obtaining all required municipality Permits and if required be responsible for the costs of any fire department fire watches.
- c) All Hot work shall require that the Subcontractor assign a trained fire watch and a 20lb. ABC extinguisher providing at a minimum 4A: 60BC coverage at each hot work location. The fire watch shall be assigned to the immediate hot work area and maintain visual line of sight of the operation at all times. The fire watch shall remain in the work area to inspect for fire for at least 30 minutes after the hot work is complete. The fire watch must also wear a safety green vest at all times to identify them as fire watch and be equipped with communication devices to alert project personnel.
- d) Hot Work is not permitted in areas where flammable materials are present. DDC or Fire Watch shall stop any hot work operation-taking place if flammable materials are located within 30 feet of the hot work operation. Fire blankets, wetting down, housekeeping/clean up or similar protective measures may be utilized if agreed upon with DDC.
- e) Flammable liquids and compressed gases must be properly stored and labeled with product information and ownership (including phone number for subcontractor foreman). Storage locations and



quantities shall be identified on the Pre-Task Plan and shall be reviewed with DDC.

- f) All construction areas containing flammable material shall have available a charged fire extinguisher of proper type and size.
- g) Fire protection equipment, including hydrants, PIVs, fire department connections, standpipes, and fire extinguishers shall be free of obstructions. DDC reserves the right to remove any obstruction of Fire Protection equipment without prior notification at the cost of the Subcontractor.
- h) The Fire Protection Subcontractor is responsible for imminently installing a standpipe fire protection system with the provisions for Fire Department connects on all floors and the ground floor as required. The standpipe system will progress up the building with the superstructure as it is being constructed. The standpipe system will be pressurized at all times with an alarm system notifying that there is a breach in the standpipe system. The standpipe system will be inspected daily by this Subcontractor.

1.14 FALL PROTECTION

- a) All work over six (6) feet shall require fall protection in accordance with DDC Safety program.
- b) All Subcontractors are required to provide a safe place to work for their employees. If the fall risk cannot be eliminated, then guardrails and covers shall be used in preference to the use of a PFAS (personal fall arrest system).
- c) Use of warning lines shall be done only if DDC grants permission. When warning lines are used on roofs, they shall be set back from the roof edge 6 feet
- d) Every employee issued a PFAS shall be trained per OSHA. Documentation of training shall be submitted to DDC.
- e) All PFAS equipment must be inspected and signed off on per manufacturer's recommendation.
- f) If a Subcontractor must remove cables, barricades, or any other Safety related items in order to perform its work, it shall be the responsibility of that Subcontractor to replace those items and to guard the area until the safety item is replaced. The Subcontractor must get permission from the Contractor's Superintendent prior to removing any temporary rails or protection for any reason. This Subcontractor is responsible to reinstall any rails or protection temporarily removed by this Subcontractor, in a timely and safe manner and in strict accordance with OSHA requirements.

1.15 HOLES

- a) All holes through floors or decking must be covered immediately with covers meeting OSHA requirements.
- b) Covers must be secured or cleated so they cannot slip, and must extend adequately beyond the edge of the hole and be marked "DANGER HOLE – DO NOT REMOVE"
- c) Hole covers shall not be removed without permission from DDC. Adequate fall protection shall be put into place prior to the removal of any hole cover.

1.16 STEEL ERECTION

- a) All steel erection shall be performed following the project's six (6) foot fall protection requirements. NO EXCEPTIONS. A site-specific fall protection pre task plan may be required.
- b) With the exception of the six (6) foot fall protection requirements indicated above, all steel erection shall be performed in accordance with the requirements of OSHA Subpart R.
- c) Subcontractor must attend pre-lift meeting two (2) weeks prior to steel erection
- d) No work by other trades shall be performed below steel erection unless two floors of decking have been installed and secured



1.17 HAZARDOUS WORK OPERATIONS

- a) Any work falling under the OSHA HAZWOPER regulations shall require a site specific Health and Safety Plan (HASP) and require adequate training, supervision, and environmental monitoring.
- b) Subcontractor acknowledges that the Project site and adjacent areas contain known and unknown hazardous materials. Subcontractor shall take all necessary precautions to protect its employees and other persons and property while performing the Work in light of the presence of such hazardous materials.

1.18 TOOLS AND EQUIPMENT

- a) The Subcontractor shall provide the equipment necessary for safe performance of the work. All equipment shall be used only for its intended purpose.
- b) Equipment shall be in good condition and properly maintained and inspected.
- c) DDC shall require preventive maintenance/calibration/inspection documentation on any equipment. Any equipment found defective will be removed from the site.
- d) The Subcontractor shall provide a GFCI for all electric tools and equipment, this GFCI is in addition to the GFCI protection provided by the Electrical Subcontractor on all temporary circuits.
- e) Electric cords must be unplugged before adjusting electric tools.
- f) Properly designed guards or shields must be installed and used on all power tools.
- g) Tools must be inspected daily before using.
- h) Defective tools must be tagged out to ensure that it not be used and removed from the site.

1.19 HAZARD COMMUNICATION

- a) 10 days prior to the start of work on the Project, the Subcontractor shall provide to DDC, a list of all hazardous materials and the related safety data sheets (SDS) for the hazardous materials that the Subcontractor will use in the performance of the work at the Project. Storage requirements and personal protective requirements shall apply to such products.
- b) Documentation of Hazard -Communicating training shall be submitted monthly to DDC Safety.
- c) The Subcontractor shall submit a list of materials to be used on site. DDC shall maintain a master list and SDS documentation of all materials on site to comply with OSHA requirements.
- d) All materials shall be properly labeled per OSHA and identify the owner of the material.

1.20 LADDERS

- a) The use of ladders shall be eliminated to the extent feasible. The use of ladders must be proved necessary in daily pre-task planning process and be approved by DDC. All other means for work at height must be utilized before resorting to a ladder when feasible.
- b) Work over six feet on a ladder shall not require the use of a PFAS unless the ladder is placed adjacent to an open shaft, leading edge, or similar greater fall hazard. The ladder must be positioned on firm stable ground surface.
- c) All work on ladders must conform to OSHA and the ladder's manufacturer requirements.
- d) Aluminum or wooden ladders are not permitted on the project site.
- e) No stepladder shall be used in the closed position. All Subcontractors are urged to provide shelf type or similar straight ladders for the inevitable need to perform this type of ladder work. Any work being performed using a closed stepladder will be stopped. NO EXCEPTIONS.
- f) Defective or damaged ladders shall be destroyed and removed from site.



1.21 SCAFFOLDING

- a) Subcontractors shall provide six (6) foot fall protection for the erection and dismantling of scaffolds.
- b) The following tagging system shall be implemented. Subcontractors shall tag their own scaffolding. For common use scaffolding, the Subcontractor and DDC shall jointly inspect and tag the scaffolding.
 - i) The RED TAG will read: DO NOT USE THIS SCAFFOLD “KEEP OFF” THIS SCAFFOLD IS BEING ERECTED OR TAKEN DOWN. ONLY AUTHORIZED EMPLOYEES USING REQUIRED PERSONAL PROTECTIVE EQUIPMENT MAY WORK ON THIS SCAFFOLD (The tag must be displayed at the access point, dated and signed by the competent person)
 - ii) Yellow Tags are not allowed – the scaffolding is either approved and ready for use or not to be used. (SUGGESTION Only)
 - iii) The GREEN TAG will read: THIS SCAFFOLD HAS BEEN ERECTED TO MEET SITE / FEDERAL/STATE OSHA REGULATIONS AND IS SAFE FOR USE. DO NOT ALTER (The tag must be displayed at the access point, dated and signed by the competent person)
- c) The competent person shall inspect all scaffolding before each work shift, during its use, and after any alterations.

1.22 ELECTRICAL SAFETY AND TEMPORARY WIRING / LIGHTING

- a) All Subcontractors who work with electricity and electrical equipment must follow the most up to date requirements of the OSHA subpart K, NFPA 70E, and all NEC standards. DDC does not allow any “Live Work” on any projects.
- b) Any Subcontractor performing electrical work on energized equipment or circuitry shall submit a detailed lockout / tag-out program to DDC. A project lock-out / tag-out permit system shall be in effect for the entire Project that will require the electrical contractor to request a lockout permit at least one day in advance of the work being performed.
- c) The electrical Subcontractor shall at all times install their work so that lockout / tag-out is not necessary. That is, to the extent possible, all electrical work shall be installed in such a manner that all upstream connections are not connected to a power source.
- d) All Electric closets shall be secured and signage installed per OSHA.
- e) Temporary light strings shall meet current NEC requirements.
- f) Written GFCI inspections of all GFCIs circuits provided by the Electrical Subcontractor shall be forwarded to DDC monthly.
- g) Ground Fault circuit interrupters will be utilized on all temporary power outlets for extension cord protection. Each Subcontractor shall provide their own GFCI device for extension cords in addition to the GFCI devices installed by the electrical Subcontractor on the temporary circuits. GFCIs shall be tested prior to each use.
- h) A ground fault circuit interrupter shall protect all temporary lighting. Temporary lighting shall be equipped with guards to prevent mechanical damage and shall be located where it is not likely to be struck or contacted.
- i) Temporary Lighting for the project entrances, corridors, passageways and heavy traffic areas will be required to be illuminated to the appropriate levels as required by DDC all other areas shall meet the OSHA standard for appropriate illumination foot-candles.
- j) Emergency egress lighting with battery back-up must be provided for all stair systems/landings.
- k) Temporary wiring shall be removed after it is no longer needed.

1.23 CONTROL OF HAZARDOUS ENERGY



- a) The Subcontractor shall strictly adhere to OSHA, DDC, and the Subcontractor's lockout / tag-out requirements.
- b) The Subcontractor shall prepare a detailed Pre-Task Plan two weeks in advance of any locking and tagging for review by DDC.
- c) A lockout / tag-out permit will be required that equals to or exceeds the permit requirements. DDC shall determine the acceptability of any lockout / tag-out permits system.
- d) Employees involved in lockout / tag-out shall be equipped with their own personal locking device. The locking device shall indicate the name of the owner and be RED in color.
- e) Locks may not be removed by anyone other than the ownership that has installed the lock.
- f) In the event the ownership of the lock is no longer on site or on vacation, a mutually agreeable lock removal process must be established between DDC and Subcontractor prior to removal of the lock which ensures the safety of the ownership and maintains the integrity of the lock-out / tag-out process.

1.24 COMPRESSED AIR

- a) Use only hoses and couplings designed to handle compressed air and inspect them before each use.
- b) Never crimp, couple or uncouple pressurized hose. Shut off valve and bleed down hose.
- c) Compressed air must never be used for cleaning clothing.
- d) Compressors shall be equipped with the required "OSHA valve" or Safety Cut-off Valve.
- e) Don't use at pressures higher than specified.
- f) All compressor hose connections shall be furnished with anti-whip protection.

1.25 COMPRESSED GAS CYLINDERS

- a) Refer also to OSHA/NFPA regulations for cylinder storage and use.
- b) After the building's certificate of occupancy is obtained, all cylinders shall be removed from the building at the end of each work shift.
- c) All compressed gas cylinders must be properly secured and identified with Subcontractor name. Cylinders are to be unloaded and moved with protective caps in place.
- d) All gauges and torch heads will be outfitted with flashback arrestors.
- e) Oxygen and fuel cylinders will be stored 20 ft. apart.
- f) Use hand truck for transporting; do not roll.
- g) Cylinders shall have regulators removed and valve caps put in place when not in use.

1.26 MOTOR VEHICLES

- a) Vehicles are not permitted on the project without prior approval from DDC.
- b) All speed limit and other traffic signs must be obeyed.
- c) Back up alarms will be required on all on site vehicles. A trained flagman may be substituted until back up alarm is installed.
- d) NO employee shall ride on the bed or back of a vehicle (if there is no seat belt for the employee then no ride)

1.27 EXCAVATIONS

- a) OSHA requirements shall be strictly adhered to for all excavations.
- b) Any Subcontractor performing excavation work activities shall submit a site-specific plan including pre-task plans prior to work starting for review by DDC. The site-specific plan and pre-tasks plans shall include at a minimum detail for the following: access, soil classification, protective systems, barricading, training, air monitoring, competent person, qualified person, inspections and permitting.



- c) A Subcontractor supplied OSHA competent person shall be on the Project site at all times when the excavation is active and shall be at the excavation site as frequently and as long as necessary to inspect for changing conditions.
- d) All excavations shall be barricaded with robust barricades six-foot (6 Ft.) back from the excavation edge with appropriate signage.
- e) Certain excavations will require the construction of a guardrail system meeting OSHA subpart M requirements as determined by DDC and Subcontractor competent person.
- f) The Subcontractor shall provide all emergency response equipment / rescue personnel required if the excavation is a confined space.
- g) A DDC excavation checklist shall be completed daily and submitted to the DDC Safety Manager, or approved subcontractor excavation checklist.
- h) The Subcontractors shall provide their own air monitoring equipment.
- i) Prior to starting excavation the foreman shall review the work area with operator and inform the operator of any known live utilities. The foreman shall review proper excavation techniques with the crew if excavation work is to take place near live utilities.

1.28 CRANES AND RIGGING

- a) DDC and the Owner shall require advanced notice (at least 2 weeks) for all crane activities. The Subcontractor shall submit in advance the following: the crane annual inspection, lift plan, the operator's license, and a pre-task plan. If this is not feasible, the documentation shall be forwarded the morning of the crane activities. Daily inspections shall also be done at the work site. DDC reserves the right to stop work operations until all required documentation is obtained.
- b) All Crane set-ups on existing and/or new structures shall be reviewed by a Professional Engineer and stamp/ sealed documentation will be submitted to DDC prior to the equipment being setup in the required area.
- c) All Tower Cranes and/or other Cranes setup on the Project will require a Third-Party Inspection and certification prior to this equipment being put into service.
- d) The area below the swing radius of the lift must be isolated utilizing red danger tape and barricades in-order to create an exclusion zone.
- e) All crane operators must have a valid crane operator's license for the state where the Project is located and, when available, the Subcontractor shall attempt to employ an operating engineer holding a National Certified Crane Operators certification. (NCCO).
- f) All personnel operating a crane, signaling a crane or rigging a crane load, must provide DDC with written documentation of training, experience and proficiency that meets the requirements of OSHA 1926.1400.
- g) Identified Tags showing rated capacity for all rigging must be clearly visible. Rigging shall be inspected prior to each use. DDC may require the Subcontractor to conduct a documented rigging inspection by a competent person. DDC shall be given a copy of the documented inspection.
- h) Tag lines shall be used at all times on every load.
- i) Any crane load meeting or exceeding 75% of the chart capacity of the crane shall require a critical pick plan including chart calculations; any required engineering designs, rigging diagrams, and logistics diagrams. The critical pick plans will be required a minimum of two weeks in advance of the work and is in addition to the one-week advance notice indicated above.
- j) A daily Spot Lift plan shall be completed daily with the operator and crew Foreman. This will ensure the operator and crew are all on the same page.
- k) All chain rigging and components shall be grade 100

1.29 AERIAL LIFTS / MOBILE ELEVATED WORK PLATFORMS (MEWPs)

- a) Employees operating MEWPs shall be trained per OSHA / ANSI and the manufacturer's safety requirements. They must have the training completed prior to using the equipment. **NO EXCEPTIONS.**



- b) MEWPs shall be inspected daily, and inspection records shall be kept with the equipment. All inspection sheets shall be for the specific equipment and provided by the equipment manufacturer. Inspection documentation shall be forwarded to DDC weekly.
- c) Each MEWP shall have its manufacturer's operating manual on the equipment at all times.
- d) Load capacities of all MEWPs shall be strictly enforced.
- e) No MEWP shall be used as a crane. Materials being lifted in MEWPs shall be done according to OSHA, ANSI and or the manufacturer's operating instructions.
- f) The equipment manufacturer shall not rig MEWPs with aftermarket clips or similar devices for hoisting material without expressed written permission.

1.30 CONFINED SPACE ENTRY

- a) OSHA and the Subcontractor's confined space requirements shall be strictly adhered to. DDC shall review the Subcontractor's written confined space program. Upon review for acceptability. DDC reserves the right to request a site-specific confined space program from the Subcontractor.
- b) The Subcontractor shall provide all required air monitoring, rescue equipment, and trained rescue personnel as well as verify a 3rd Party rescue service is available whenever necessary per OSHA's confined space operation requirements.

1.31 SUPERSTRUCTURE PERIMETER PROTECTION AND SHAFT PROTECTION

The Subcontractor responsible for the Superstructure (or as assigned per contract) shall be responsible shall provisions to provide a safe working environment.

- a) The Subcontractor shall furnish, install, and maintain horizontal debris protection and netting system along the entire perimeter's edge of the building superstructure.
- b) The Subcontractor shall include three (3) ½" perimeter cables at (21", 42", 60") as well as 0" cable or toe-board system and provide sleeved through columns (or brackets at columns) and through posts furnished and installed by this Subcontractor at conditions without columns. System will have turnbuckles at least every 75' or as determined by DDC along the entire perimeter of the building along with removable rails at loading zone areas.
- c) The Subcontractor includes providing and securing a Premium Grade 48" high vertical netting system on all floors. The Safety guardrails and netting system will be maintained by this Subcontractor until the floor is turned over and accepted by DDC. The Subcontractor is required to submit all perimeter netting, cable and all attachment components being used, including a drawing showing the layout to DDC for final Approvals prior to the installation, DDC will determine the appropriate colors and produce to be used on the Project.
- d) Any structure in height exceeding 180' (approx. 20 stories) requires a full perimeter, engineered cocoon system provided by main structure sub-contractor. The engineered design must be submitted to DDC a minimum of 3 weeks prior to mobilization for approval. Sub-contractor is responsible for daily inspections (visual and written) of the system and maintain protection at bottom of system for any falling objects. A 3rd party manufacturer's inspection must be completed prior to cocoon being put into service, confirming stability of system and proper installation.
- e) Any structure below 180' (approx. 20 stories), horizontal safety netting (minimal 10' from edge of structure) will be deployed within 2 floors of the stripping operation or decking operation.
- f) The Subcontractor shall include a removable full height protective partition wall at elevator shaft fronts with doors and a removable rail system, this Subcontractor will perform one markup for approval by DDC prior the proceeding with the installation.
- g) The Subcontractor shall include rails around all shafts, crane openings and hoist openings. Included is coordinating layout for future trades.
- h) The Subcontractor shall Furnish, install, maintain and jump solid plank and plywood overhead protection at elevator shafts. The Subcontractor includes jumps as required by DDC.



- i) The Subcontractor includes providing (2) safety straps at each Mechanical Opening and Elevator opening and one (1) strap behind every other perimeter column. Each strap shall have a weather protected (rubber coated) D Ring attached to it and will be submitted and approved by DDC.

1.32 COMPLIANCE / DISCIPLINE POLICY

- A) Violations of any DDC policy will result in: retraining, suspension or dismissal from the Project.**
- B) DDC reserves the right to remove any Subcontractor's employee for an unsafe activity, behavior or incident.**

1.33 DOCUMENTATION SUMMARY

- j) The following list summarizes the minimum documentation requirements. Additional documentation may be required as needed per OSHA, State, Local or manufacturers requirements.

<u>Document</u>	<u>When Needed</u>
Prequalification –	Bid time
Safety & Haz-com program	At time of award/Pre-Con Meeting
Pre-task plans – confined space / lock-out / tag-out / excavation	Two days prior to the start of work
Confined Space Program	Two days prior to confined space entry
Respiratory Protection Program/Silica Program	Two weeks prior to use of respiratory equipment
Excavation Program	Prior to excavation activities
Lock out / Tag out program	Prior to locking & tagging
Crane Safety Program	Prior to crane activities
Third Party Annual Crane Inspection / Crane Operators License	Prior to bringing the crane on site / If not feasible, the morning of the first day the crane arrives
Critical Pick Plans/Pre-Lift Meetings	Two weeks prior to the day of the pick
Rigging Inspection	Daily – Submitted Weekly
Scaffold Inspection	Daily – Submitted Weekly
Equipment Inspections (Scissor lifts, telescoping boom lifts, Lulls, Forklifts, or any other mechanical or motorized equipment)	Daily – Submitted Weekly
General Safety Inspection	Daily – Submitted Weekly
Certification of Fall Protection Training	In advance to the extent possible / first day employee orientation.
Respiratory Fit Test	Letter documenting employees have completed – prior to start of work.
Air monitoring documentation.	At any time employees are designated to wear respirators. Must provide documentation to determined type of respirator used.
Haz-Comm Training	Submitted Monthly