**CRANES AND RIGGING**

Piedmont Service Group (PSG) often has the need to move HVAC equipment. The use of cranes and rigging is needed. The crane operator and the riggers will be trained, qualified and authorized for their tasks. Those involved with this operation need to adhere closely to all the regulations that apply. This also applies to the use of helicopters or other means of lifting. The regulations for cranes and rigging that will be used are found in Subpart CC 1926.1400, 1926.251, and 1926.753. Even if a subcontractor is performing this work, they will also adhere to these regulations and PSG requirements.

***Crane Operation***

 ***•***The operator will have a third-party certification for the type of crane he is using.

 ***•***All those involved in the assembly and breakdown of a crane will be trained and authorized.

 •All required inspections, ground conditions, preventative maintenance, will documented and maintained. These will be available for review before a lift is made.

 ***•***The operator is responsible for selecting a crane of sufficient capacity and with appropriate design features to be suitable for the intended lift.

 •The wind, weather, underground hazards and any other safety factors must be considered when positioning the crane.

 •For maximum capacity, the crane must be level. To maintain a level condition, however, the ground surface must be adequate to support the dynamic load of a working crane.

 •All cranes will be equipped with an integrated anti-two block system.

 •Barricades must be established for all accessible areas within the swing radius of the rear of the rotating superstructure of the crane to prevent anyone from being struck or crushed.

 •It is the responsibility of both the crane operator and the rigger to ensure the work areas where the load will be hoisted are checked for hazards prior to attaching and hoisting the load.

 •All lifts will have a lifting plan before starting. Any permits or plans required based on the jurisdiction will be approved and in place before the lift.

 •If working in the proximity of energized power lines and the voltage is unknown, a 20' minimum distance is required.



***Rigging***

 •Only trained, qualified riggers, maintenance and repair personnel will will be used.

 •The qualified rigger (maintenance and repair personnel also) will understand and demonstrate:

 •Inspect all rigging before use-defective rigging will be removed from service.

 •The weight of the load.

 •The rated capacity of the rigging shall not be exceeded.

 •The center of gravity of the load.

 •Use the correct rigging and hitch for the load.

 •Understand how the angle affects the stress on the rigging.

 •Keep unauthorized personel out of the area.

 •Always use a tag line.

 •Never swing a load over occupied areas or workers.

 •Underst and use proper hand signals.

 •Rigging will be removed from the work area and properly stored when not in use.

 •All hooks will have safety latches that function properly.

