

JOB DESCRIPTION – CERTIFIED RIGGER

JOB DUTIES AND RESPONSIBILITIES

Perform any combination of following duties: Assembles rigging to lift and move equipment or material on construction project. Selects slings, chokers, shackles, cables, ropes, pulleys, winches, blocks, and sheaves and other needed equipment according to weight and size of load to be moved. Attaches rigging to overhead structures, such as beams, crane hooks, ceilings, gin pole booms or approved attachment point. Attaches load with grappling devices, such as loops, shackles, wires, ropes, and chains, to crane hook. Gives directions to crane operator or hoisting engineer engaged in hoisting and moving loads to ensure safety of workers and material handled, using hand signals, radio, loudspeaker, or telephone. Sets up, braces, and rigs hoisting equipment, using hand tools and power wrenches. Splices rope and wire cables to make or repair slings and tackle. May direct workers engaged in hoisting of machinery and equipment. Working as a member of a crew: Sets up hoisting equipment for raising and placing structural steel members, pipe exchangers, towers, vessels and other equipment. Verifies grade, fasten steel members, pipe, equipment to cable of hoist, using chain, cable, or rope. Signal workers operating hoist equipment to lift and place members, pipe, equipment. Guide members, pipe, equipment, using tag lines (rope). Pulls, pushes, or pries members, pipe, equipment into approximate position while a hoisting device supports the members, pipe, equipment. Force members, pipe, equipment into final position using turnbuckles, crowbars, jacks, and hand tools. Align rivet/bolt holes in members, pipe, equipment with corresponding holes in previously placed members, pipe, equipment by driving in drift pins, inserting blots or handle of wrench through holes. Verify vertical and horizontal alignment of members, pipe, equipment, using plumb bob and level. Bolt aligned members, pipe, and equipment to keep them in position until they can be permanently riveted, bolted, or welded in place. Depending on atmospheric conditions and work location respiratory protection may be required while working. Respiratory protection will consist of either supplied air respirators, or air purifying respirators. You may be required to work in confined spaces, above ground in excess of fifty feet, outdoors in direct sunlight, and in seasonal temperature extremes. Some of these job duties are not full time; project size and organization of work determines whether workers spend their time on one duty or transfer from duty to duty as project progresses to completion.

TOOLS, EQUIPMENT AND DEVICES REQUIRED ON THE JOB

9" Channel Lock Pliers	25' Tape	Hacksaw
7/9" Combination Wrench	1 1/16" Combination Wrench	Sleever Bar
1 1/4" Combination Wrench	Gloves	1-1/16" Spud Wrench
2" X 6" Wedges (Brass)	18" Pipe Wrench	1-1/8" Spud Wrench
12" Crescent Wrench	Tool Box with Lock	18" Pry Bar
Torpedo Level	Safety Glasses	Rigging Belt
16 oz. Ball-Peen Hammer	Hardhat	4 lb. Sledge Hammer

NON-PHYSICAL JOB REQUIREMENTS

The Dictionary of Occupational Titles; Fourth Edition; Revised 1991; United States of America; Department of Labor Specific Vocational Rating for Rigger is: Over 2 years up to and including 4 Years.

PERSONAL TRAITS

Must have the ability to get along with coworkers and management. The ability to work together with other employees as part of a group, the ability to accurately communicate ideas, instructions, questions, problems, solutions. The ability to accurately receive and understand ideas, instructions, questions, problems, solutions or feelings understanding of the nature and causes of accidents, appreciative of the effects and seriousness of accidents, alert and attentive for possible hazards, takes necessary actions to prevent accidents - is not accident prone and does not have a history of chronic unsafe behavior.

CERTIFIED RIGGER

PHYSICAL JOB REQUIREMENTS

Must have the ability to verbally communicate alarms and warnings clearly, concisely, loudly and quickly. Must be able to clearly and quickly hear or otherwise sense alarms or warnings and take appropriate action. Must be able to maintain equilibrium to prevent falling while moving, walking, standing, kneeling or crouching - particularly on narrow, uneven, irregular, slippery surfaces, going up or down ladders, stairs, scaffolding, ramps, poles or other objects using hands, arms, feet or legs. Move about on hands and feet, bend body downward and forward, bend legs and spine - working in a bent over position. Sensing physical attributes such as size, shape, temperature, texture or sharpness of an object by touching. Foot agility and dexterity - operating pedals, foot controls, kick bars and other similar tasks that require foot or toe motion. Grasps grips or applies pressure to an object with the fingers and palm. Hold objects in hands. The ability to clearly and concisely perceive sounds, the ability to hear and understand detailed oral communications, the ability to hear warning signals and alarms given verbally and mechanically. Must be able to lift, raise, and lower objects in a vertical direction; particularly heavy or bulky objects. Moving of heavy or bulky objects in a horizontal direction; both backwards, forwards, or in or out. Pulling, exerting a steady backward, downward, upward or outward force against an object - jerking, plucking, wrenching, stretching, towing, drawing, dragging or tugging objects in a sustained motion. Pushing, pressing against something with steady forward, downward, upward or outward force - shoving, pushing, compressing, squeezing, mashing, packing, pressing, jamming, compacting, or squashing objects in a sustained motion. Reaching, extending the hand(s) and/or arm(s) in any direction. The ability to see, read and understand written communications: including directions, instructions and warning signs, to see and distinguish colors, to visually distinguish shapes and patterns, to accurately sense distances (depth perception), to accurately see objects and detect motion at wide angles (peripheral vision). Bending the body downward and forward by bending the spine at the waist, using the lower extremities and back muscles and moving on foot, particularly for long distances.

PHYSICAL MODIFIERS/DEMANDS

The Dictionary of Occupational Titles, Fourth Edition, Revised 1991, United States of America, Department of Labor Physical Demands Strength Rating for Rigger is: H – Heavy Work - Exerting 50 to 100 pounds of force occasionally, and/or 25 to 50 pounds of force frequently, and/or 10 to 20 pounds of force constantly to move objects. Physical demand requirements are in excess of those for Medium Work.

VISUAL MODIFIERS/DEMANDS

The job requires considerable, sustained use of eyesight for functions such as visual inspection, reading, measuring, assembling, transcription, data analysis and operating machines or vehicles and the ability to clearly see at night or in dim light, in daylight or bright light, under glare or poor contrast.

ENVIRONMENTAL MODIFIERS/DEMANDS

The job involves: Exposure to cold working conditions during winter months and to hot working conditions during summer months, exposure to noise - workers must wear protective hearing equipment or frequently shout in order to be heard above the ambient noise level. Exposure to pollutants or allergens which can adversely affect the skin and/or the respiratory system such as gases, smoke, odors, mists, fumes, dust, chemicals, oils or solvents, exposure to hazardous working conditions including moving machinery, electricity and/or working in high places. The job requires the use of protective equipment such as hard hats, respirators, aprons, gloves, special clothing, safety shoes and safety glasses. The job involves continuous work that cannot be easily or economically interrupted for breaks except at regularly scheduled intervals or at the completion of an assignment.