

Visited on 01/17/2019

869.664-014 CONSTRUCTION WORKER I

DICTIONARY OF OCCUPATIONAL TITLES | January 1, 1991

Document Details

All Citations: 1991 WL 687601

Search Details


Jurisdiction: Joint Committee on Printing

Delivery Details

Date: January 17, 2019 at 10:29 AM

Delivered By: John Fox

Client ID: ARCHIVED URL PROJECT

Status Icons: 

Visited on 01/17/2019

DICOT 869.664-014 (G.P.O.), 1991 WL 687601

DICTIONARY OF OCCUPATIONAL TITLES

Fourth Edition, Revised 1991

Occupational Group Arrangement

8 Structural Work Occupations

86 Construction Occupations, N.E.C.

869 Miscellaneous Construction Occupations, N.E.C.

869.664-014 CONSTRUCTION WORKER I

Industry Designation: Construction Industry

Performs any combination of following duties on construction projects, usually working in utility capacity, by transferring from one task to another where demands require worker with varied experience and ability to work without close supervision: Measures distances from grade stakes, drives stakes, and stretches tight line. Bolts, nails, aligns, and blocks up under forms. Signals operators of construction equipment to facilitate alignment, movement, and adjustment of machinery to conform to grade specifications. Levels earth to fine grade specifications, using pick and shovel. Mixes concrete, using portable mixer. Smooths and finishes freshly poured cement or concrete, using float, trowel, or screed. Positions, joins, aligns, and seals pipe sections. Erects scaffolding, shoring, and braces. Mops, brushes, or spreads paints or bituminous compounds over surfaces for protection. Sprays materials such as water, sand, steam, vinyl, paint, or stucco through hose to clean, coat, or seal surfaces. Applies caulking compounds by hand or with caulking gun to seal crevices. Grinds, sands, or polishes surfaces, such as concrete, marble, terrazzo, or wood flooring, using abrasive tools or machines. Performs variety of tasks involving dextrous use of hands and tools, such as demolishing buildings, sawing lumber, dismantling forms, removing projections from concrete, mounting pipe hangers, and cutting and attaching insulating material. Work is usually performed with other workers. May be designated according to duties performed as Batterboard Setter (construction); Billboard-Erector Helper (construction); Bricklayer, Paving Brick (construction); Caulker (construction). May be designated: Carpenter Helper, Maintenance (construction); Cement Mason, Highways And Streets (construction); Cement Sprayer, Nozzle (concrete prod.; construction); Concrete-Wall-Grinder Operator (construction); Corrugated-Sheet-Material Sheeter (construction); Cradle Placer (construction); Dampproofers (construction); Drain Layer (construction); Duct Installer (construction; mfd. bldgs.); Fine Grader (construction); Fitter (construction; pipe lines); Floor Finisher (construction); Floor-Sanding-Machine Operator (construction); Form-Building Helper (construction); Form Setter, Metal-Road Forms (construction); Form Setter, Steel Forms (construction); Form Setter, Steel-Pan Forms (construction); Foundation-Drill-Operator Helper (construction); Glazier Helper (construction); Ground Wirer (construction); Holder, Pile Driving (construction); Hydrant-And-Valve Setter (construction); Insulation Installer (construction); Joist Setter, Adjustable Steel (construction); Laborer, Adjustable Steel Joist (construction); Laborer, Carpentry (construction); Laborer, Carpentry Dock (construction); Layer-Out, Plate Glass (construction); Lightning Rod Erector (construction); Ornamental-Iron-Worker Helper (construction); Painter, Rough (construction); Painter, Structural Steel (construction); Paint-Striping-Machine Operator (construction); PermaStone Dresser (construction); Pile-Driving Setter (construction); Pipe Caulker (construction); Pipe Layer (construction); Pipeline Worker (construction); Plumber Helper (construction); Pointer, Caulker, And Cleaner (construction); Pump-Erector Helper (construction); Receiver Setter (construction); Roofer, Vinyl Coating (construction); Seat Installer (construction); Septic-Tank Servicer (construction); Sewer Tapper (construction); Shorer (construction); Stone Polisher (construction); Tapping-Machine Operator (construction); Tuck

Visited on 01/17/2019

Pointer (construction); Waterproofer (construction); Well-Drill-Operator Helper, Cable Tool (construction); Well-Drill-Operator Helper, Rotary Drill (construction); Wrecker (construction).

GUIDE FOR OCCUPATIONAL EXPLORATION: 05.10.01

STRENGTH: Heavy Work - Exerting 50 to 100 pounds of force frequently (Frequently: activity or condition exists from 1/3 to 2/3 of the time) and/or 10 to 20 pounds of force constantly (Constantly: activity or condition exists 2/3 or more of the time) to move objects. Physical demand requirements are in excess of those for Medium Work.

Reasoning: Level 3 - Apply commonsense understanding to carry out instructions furnished in written, oral, or diagrammatic form. Deal with problems involving several concrete variables in or from standardized situations.

Math: Level 3 - Compute discount, interest, profit, and loss; commission, markup, and selling price; ratio and proportion; and percentage. Calculate surfaces, volumes, weights, and measures.

ALGEBRA: Calculate variables and formulas; monomials and polynomials; ratio and proportion variables; and square roots and radicals.

GEOMETRY: Calculate plane and solid figures, circumference, area, and volume. Understand kinds of angles and properties of pairs of angles.

Language: Level 3 - **READING:** Read a variety of novels, magazines, atlases, and encyclopedias. Read safety rules, instructions in the use and maintenance of shop tools and equipment, and methods and procedures in mechanical drawing and layout work.

WRITING: Write reports and essays with proper format, punctuation, spelling, and grammar, using all parts of speech.

SPEAKING: Speak before an audience with poise, voice control, and confidence, using correct English and a well-modulated voice.

SPECIFIC VOCATIONAL PREPARATION: Level 4 - Over 3 months up to and including 6 months

Data: 6 - Comparing

N - Not Significant

People: 6 - Speaking-Signalling

N - Not Significant

Things: 4 - Manipulating

S - Significant

Field 1: 102 - Structural Fabricating-Installing-Repairing

Field 1: 360 - STRUCTURES

General Learning Ability: Level 3 - Middle 1/3 of the Population

Visited on 01/17/2019

Medium Degree of Aptitude Ability

Verbal Aptitude: Level 4 - Lowest 1/3 Excluding Bottom 10%

Low Degree of Aptitude Ability

Numerical Aptitude: Level 4 - Lowest 1/3 Excluding Bottom 10%

Low Degree of Aptitude Ability

Spacial Aptitude: Level 3 - Middle 1/3 of the Population

Medium Degree of Aptitude Ability

Form Perception: Level 3 - Middle 1/3 of the Population

Medium Degree of Aptitude Ability

Clerical Perception: Level 4 - Lowest 1/3 Excluding Bottom 10%

Low Degree of Aptitude Ability

Motor Coordination: Level 3 - Middle 1/3 of the Population

Medium Degree of Aptitude Ability

Finger Dexterity: Level 3 - Middle 1/3 of the Population

Medium Degree of Aptitude Ability

Manual Dexterity: Level 3 - Middle 1/3 of the Population

Medium Degree of Aptitude Ability

Eye-Hand-Foot Coordination: Level 4 - Lowest 1/3 Excluding Bottom 10%

Low Degree of Aptitude Ability

Color Discrimination: Level 4 - Lowest 1/3 Excluding Bottom 10%

Low Degree of Aptitude Ability

R: Performing REPETITIVE or short-cycle work

T: Attaining precise set limits, TOLERANCES, and standards

Climbing: Frequently - Exists from 1/3 to 2/3 of the time

Visited on 01/17/2019

Balancing: Occasionally - Exists up to 1/3 of the time

Stooping: Frequently - Exists from 1/3 to 2/3 of the time

Kneeling: Frequently - Exists from 1/3 to 2/3 of the time

Crouching: Frequently - Exists from 1/3 to 2/3 of the time

Crawling: Not Present - Activity or condition does not exist

Reaching: Frequently - Exists from 1/3 to 2/3 of the time

Handling: Frequently - Exists from 1/3 to 2/3 of the time

Fingering: Frequently - Exists from 1/3 to 2/3 of the time

Feeling: Not Present - Activity or condition does not exist

Talking: Occasionally - Exists up to 1/3 of the time

Hearing: Occasionally - Exists up to 1/3 of the time

Tasting/Smelling: Not Present - Activity or condition does not exist

Near Acuity: Frequently - Exists from 1/3 to 2/3 of the time

Far Acuity: Occasionally - Exists up to 1/3 of the time

Depth Perception: Frequently - Exists from 1/3 to 2/3 of the time

Accommodation: Not Present - Activity or condition does not exist

Color Vision: Occasionally - Exists up to 1/3 of the time

Field of Vision: Not Present - Activity or condition does not exist

Exposure to Weather: Constantly - Exists 2/3 or more of the time

Extreme Cold: Not Present - Activity or condition does not exist

Extreme Heat: Not Present - Activity or condition does not exist

Wet and/or Humid: Not Present - Activity or condition does not exist

Noise Level: Level 4 - Loud

Vibration: Not Present - Activity or condition does not exist

Atmospheric Cond.: Frequently - Exists from 1/3 to 2/3 of the time

Visited on 01/17/2019

Moving Mech. Parts: Not Present - Activity or condition does not exist

Electric Shock: Not Present - Activity or condition does not exist

High Exposed Places: Not Present - Activity or condition does not exist

Radiation: Not Present - Activity or condition does not exist

Explosives: Not Present - Activity or condition does not exist

Toxic Caustic Chem.: Not Present - Activity or condition does not exist

Other Env. Cond.: Occasionally - Exists up to 1/3 of the time

DICOT 869.664-014 (G.P.O.), 1991 WL 687601

End of Document

© 2019 Thomson Reuters. No claim to original U.S. Government Works.