

Building
Job Classification Definitions
Department of Labor's Wage Decision format

Asbestos / Insulator Worker	Applies insulating material to exposed surfaces of structures, such as air ducts, hot and cold pipes, storage tanks, and cold storage rooms. Reads blueprints and selects required insulation material (in sheet, tubular, or roll form), such as fiberglass, foam rubber, styrofoam, cork, or urethane, based on material's heat retaining or excluding characteristics. Brushes adhesives on or attaches metal adhesive-backed pins to flat surfaces as necessary to facilitate application of insulation material. Measures and cuts insulation material to specified size and shape for covering flat or round surfaces, using tape measure, knife, or scissors. Fits, wraps, or attaches required insulation material around or to structure, following blueprint specifications. Covers or seals insulation with preformed plastic covers, canvas strips, sealant, or tape to secure insulation to structure, according to type of insulation used and structure covered, using staple gun, trowel, paintbrush, or caulking gun.
Bricklayer	Lays building materials, such as brick, structural tile, and concrete cinder, glass, gypsum, and terra cotta block (except stone) to construct or repair walls, partitions, arches, sewers, and other structures. Measures distance from reference points and marks guidelines on working surface to lay out work. Spreads soft bed (layer) of mortar that serves as base and binder for block, using trowel. Applies mortar to end of block and positions block in mortar bed. Taps block with trowel to level, align, and embed in mortar, allowing specified thickness of joint. Removes excess mortar from face of block, using trowel. Finishes mortar between brick with pointing tool or trowel. Breaks bricks to fit spaces too small for whole brick, using edge of trowel or brick hammer. Determines vertical and horizontal alignment of courses, using plumb bob, gauge line (tightly stretched cord), and level. Fastens brick or terra cotta veneer to face of structures, with tie wires embedded in mortar between bricks, or in anchor holes in veneer brick. May weld metal parts to steel structural members. May apply plaster to walls and ceiling, using trowel, to complete repair work.
Cable Splicer	Splicing and terminating shielded electrical power cable; which includes the splicing wires by stripping insulation from terminal leads with knife and pliers, twisting or soldering wires together and applying tape or terminal caps. Duties includes: splices overhead or underground multiple-conductor cables used in telephone and telegraph communication and electric-power transmission systems; climb utility poles or towers, utilizes truck-mounted lift bucket, or descends into sewers and underground vaults where cables are located. Cuts lead sheath from installed cable to gain access to defective cable connections, using hacksaw or tools. Cuts and peels lead sheath and insulation from newly installed cables and conductors preparatory to splicing.
Electrician	Plans layout, installs, and repairs wiring, electrical fixtures, apparatus, and control equipment. Plans new or modified installations to minimize waste of materials, provide access for future maintenance, and avoid unsightly, hazardous, and unreliable wiring, consistent with specifications and local

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electrical codes. Prepares sketches showing location of wiring and equipment, or follows diagrams or blueprints, ensuring that concealed wiring is installed before completion of future walls, ceilings, and flooring. Measures, cuts, bends, threads, assembles, and installs electrical conduit, using tools, such as hacksaw, pipe threader, and conduit bender. Connects wiring to lighting fixtures and power equipment, using hand tools. Installs control and distribution apparatus, such as switches, relays, and circuit-breaker panels, fastening in place with screws or bolts, using hand tools and power tools. Connects power cables to equipment, such as electric range or motor, and installs grounding leads.

Electrician (Communication Technician Only)

Ensures secure operation of the interconnected electrical power system by installing, commissioning, troubleshooting, repairing, testing and maintaining communications systems. Communications systems include: microwave, MPLS, power line carrier, satellite systems, telephone, fiber optics, leased circuits, mobile radio systems, dispatch console system, cellular and satellite circuits, Supervisory Control and Data Acquisition (SCADA) Remote Terminal Units (RTUs), protective relay communication systems, and other associated electronic equipment.

Electrician (Low Voltage)

Installation and connectivity of wire and boxes of much lower voltage communication type equipment including cabling for the transmission of communication circuits. Terminates and test communication circuits including video, voice, alarm systems, data, computer connection boxes, entertainment systems and door bells and other such similar devices. Installs, terminates and test optical fiber cables as well as copper communication cable carrying less than 110 volts AC.

Elevator Constructor:

Mechanic

Erector; elevator installer; elevator mechanic assembles and installs electric and hydraulic freight and passenger elevators, escalators, and dumbwaiters, determining layout and electrical connections from blueprints. Studies blueprints and lays out location of framework, counterbalance rails, motor pump, cylinder, and plunger foundations. Drills holes in concrete or structural steel members with portable electric drill. Secures anchor bolts or welds brackets to support rails and framework, and verifies alignment with plumb bob and level. Cuts prefabricated sections of framework, rails, and other elevator components to specified dimensions, using acetylene torch, power saw, and disk grinder. Installs cables, counterweights, pumps, motor foundations, escalator drives, guide rails, elevator cars, and control panels, using hand tools. Connects electrical wiring to control panels and electric motors. Installs safety and control devices. Positions electric motor and equipment on top of elevator shaft, using hoists and cable slings.

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**Power Equipment
Operators:**

Cranes Operates boom or lattices-type equipment to hoist and move materials, raise and lower heavy weights and perform other related operations; may oil, grease or otherwise service and make necessary adjustments to equipment as needed; and may perform other related duties. May be used for such work as pouring concrete and setting steel. This work is subjected to strict inspection and must conform closely to specifications. The equipment may also be used for other miscellaneous tasks for which crane or stick-type equipment is required which may include hoist operations and pile driving operations. May drive a heavy or medium-duty gasoline or diesel truck upon which is mounted a crane for picking up various objects; positions and levels truck at object to be lifted, fastens cables, operates levers or controls in lifting of objects in accordance with signals from designated worker on ground; may oil, grease or otherwise service and make necessary adjustments to equipment as needed; and may perform other related duties.

Ironworker :

Structural Erector; ironworker; steel erector; structural-iron erector; structural-iron worker; structural steel erector. Performs any combination of following duties to raise, place, and unite girders, columns, and other structural-steel members to form completed structures or structure frameworks, working as member of crew. Sets up hoisting equipment for raising and placing structural-steel members. Fastens steel members to cable of hoist, using chain, cable, or rope. Signals worker operating hoisting equipment to lift and place steel member. Guides member, using tag line (rope) or rides on member in order to guide it into position. Pulls, pushes, or pries steel members into approximate position while member is supported by hoisting device. Forces members into final position, using turnbuckles, crowbars, jacks, and hand tools. Aligns rivet holes in member with corresponding holes in previously placed member by driving drift pins or handle of wrench through holes. Verifies vertical and horizontal alignment of members, using plumb bob and level.

Reinforcing Positions and secures steel bars in concrete forms to reinforce concrete; places rods in forms, spacing and fastening together with wire and pliers. Cuts bars using hacksaw, bar cutters or acetylene torch. Bends steel rods with hand tools or rod bending machine; reinforces concrete with wire mesh; welds reinforcing bars together

Tile Setter

Applies tile to walls, floors, ceilings, and promenade roof decks, following design specifications. Examines blueprints, measures and marks surfaces to be covered, and lays out work. Measures and cuts metal lath to size for walls and ceilings with tin snips. Tacks lath to wall and ceiling surfaces with staple gun or hammer. Spreads plaster base over lath with trowel and levels plaster to specified thickness, using screed. Spreads concrete on sub floor, with trowel and levels it with screed. Spreads mastic or other

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adhesive base on roof deck, using serrated spreader to form base for promenade tile. Cuts and shapes tile with tile cutters and biters. Positions tile and taps it with trowel handle to affix tile to plaster or adhesive base.

**Plumbers and Pipefitters
(Including HVAC Work)**

Fabricates, assembles, installs, alters, dismantles, and replaces pipe systems and related appurtenances (including but not limited to metal, plastic, ceramic, and composition) for the transportation of solids, liquids, or gases. Installs plumbing fixtures. Installs piping systems for refrigeration, cooling, and heating equipment, including but not limited to compressors, pumps, tanks, gauges, valves, tubes, and pipes. Cuts, threads, bends, connects, and secures pipes. Performs welding and burning which is incidental to the work of plumbing, pipefitting.

**Sprinkler Fitter (Fire
Sprinklers)**

Lays out, assembles, installs, and maintains pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems, applying knowledge of system operation, and following blueprints. Selects type and size of pipe, and related materials and equipment, such as supports, hangers, and hydraulic cylinders, according to specifications. Inspects work site to determine presence of obstructions and to ascertain that holes cut for pipe will not cause structural weakness. Plans installation or repair to avoid obstructions and to avoid interfering with activities of other workers. Cuts pipe, using saws, pipe cutter, hammer and chisel, cutting torch, and pipe cutting machine. Threads pipe, using pipe-threading machine. Bends pipe, using pipe bending tools and pipe bending machine. Assembles and installs variety of metal and nonmetal pipes, tubes, and fittings, including iron, steel, copper, and plastic. Connects pipes, using threaded, caulked, soldered, brazed, fused, or cemented joints, and hand tools. Secures pipes to structure with brackets, clamps, and hangers, using hand tools and power tools. Installs and maintains hydraulic and pneumatic components of machines and equipment, such as pumps and cylinders, using hand tools. Increases pressure in pipe system and observes connected pressure gauge to test system for leaks. May weld pipe supports to structural steel members. May observe production machines in assigned area of manufacturing facility to detect machinery malfunctions. May operate machinery to verify repair. May modify programs of automated machinery, such as robots and conveyors, to change motion and speed of machine, using teach pendant, control panel, or keyboard and display screen of robot controller and programmable controller.

**Sheet Metal Workers
(Including HVAC Duct
Work)**

The work performed by this classification of worker shall include the following: the handling, conditioning, assembling, installing, servicing, repairing, altering and dismantling of ductwork for the heating, ventilation and air conditioning system regardless of the materials used and the setting of all equipment and all supports and reinforcements in connection with the system; the installation of expansion and discharge valves, air filters and

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water filters in heating, ventilation and air conditioning systems.

Acoustical Ceiling Installer

Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes lathers who fasten wooden, metal, or rockboard lath to walls, ceilings or partitions of buildings to provide support base for plaster, fire-proofing, or acoustical material.

**Carpenter (Excluding
Acoustical Ceiling Installer
& Drywall Hanger)**

Constructs, erects, installs, and repairs structures and fixtures of wood, plywood, and wallboard, using carpenter's hand tools and power tools, and conforming to local building codes. Studies blueprints, sketches, or building plans for information pertaining to type of material required, such as lumber or fiberboard, and dimensions of structure or fixture to be fabricated. Selects specified type of lumber or other materials. Prepares layout, using rule, framing square, and calipers. Marks cutting and assembly lines on materials, using pencil, chalk, and marking gauge. Shapes materials to prescribed measurements, using saws, chisels, and planes. Assembles cut and shaped materials and fastens them together with nails, dowel pins, or glue. Verifies trueness of structure with plumb bob and carpenter's level. Erects framework for structures and lays subflooring. Builds stairs and lays out and installs partitions and cabinetwork. Covers sub floor with building paper to keep out moisture and lays hardwood, parquet, and wood-strip-block floors by nailing floors to sub floor or cementing them to mastic or asphalt base. Applies shock-absorbing, sound-deadening, and decorative paneling to ceilings and walls. Fits and installs prefabricated window frames, doors, doorframes, weather stripping, interior and exterior trim, and finish hardware, such as locks, letter drops, and kick plates. Constructs forms and chutes for pouring concrete. Erects scaffolding and ladders for assembling structures above ground level. May weld metal parts to steel structural members.

**Cement Mason /
Concrete Finisher**

Finisher; concrete floater; smooths and finishes surfaces of poured concrete floors, walls, sidewalks, or curbs to specified textures, using hand tools or power tools, including floats, trowels, and screeds. Signals concrete deliverer to position truck to facilitate pouring concrete. Moves discharge chute of truck to direct concrete into forms. Spreads concrete into inaccessible sections of forms, using rake or shovel. Levels concrete to specified depth and workable consistency, using hand held screed and floats to bring water to surface and produce soft topping. Smooths, and shapes surfaces of freshly poured concrete, using straightedge and float or power screed. Finishes concrete surfaces, using power trowel, or wets and rubs concrete with abrasive stone to impart finish. Removes rough or defective spots from concrete surfaces, using power grinder or chisel and hammer, and patches holes with fresh concrete or epoxy compound. Molds

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expansion joints and edges, using edging tools, jointers, and straightedge. May sprinkle colored stone chips, powdered steel, or coloring powder on concrete to produce prescribed finish. May produce rough concrete surface, using broom. May mix cement, using hoe or concrete-mixing machine. May direct sub grade work, mixing of concrete, and setting of forms.

Drywall Hanger

Dry-wall installer; gypsum dry-wall systems installer; plans gypsum drywall installations, erects metal framing and furring channels for fastening drywall, and installs drywall to cover walls, ceilings, soffits, shafts, and movable partitions in residential, commercial, and industrial buildings. Reads blueprints and other specifications to determine method of installation, work procedures, and material, tool, and work aid requirements. Lays out reference lines and points for use in computing location and position of metal framing and furring channels and marks position for erecting metalwork, using chalk line. Measures, marks, and cuts metal runners, studs, and furring channels to specified size, using tape measure, straightedge and hand and portable power cutting tools. Secures metal framing to walls and furring channels to ceilings, using hand and portable power tools. Measures and marks cutting lines on drywall, using square, tape measure, and marking devices. Scribes cutting lines on drywall, using straightedge and utility knife and breaks board along cut lines. Fits and fastens board into specified position on wall, using screws, hand tools, portable power tools, or adhesive. Cuts openings into board for electrical outlets, vents, or fixtures, using keyhole saw or other cutting tools. Measures, cuts, assembles, and installs metal framing and decorative trim for windows, doorways, and vents. Fits, aligns, and hangs doors and installs hardware, such as locks and kick plates.

Glazier

Installs glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops; marks outline or pattern on glass, and cuts glass, using a glasscutter; breaks off excess glass by hand or with notched tool; fastens glass panes into wood sash with glazier's points, and spreads and smoothes putty around edge of panes with knife to seal joints; installs mirrors or structural glass on building fronts, walls, ceilings, or tables, using mastic, screws, or decorative molding; bolts metal hinges, handles, locks, and other hardware to prefabricated glass doors; sets glass doors into frames and fits hinges; may install metal window and door frames into which glass panels are to be fitted; may press plastic adhesive film to glass or spray glass with tinting solution to prevent light glare; may install stained glass windows; may assemble and install metal-framed glass enclosures for showers and be designated shower-enclosure installer (construction); and may be designated according to type of glass installed as glazier, structural glass (construction), or plate-glass installer (construction).

Laborers :

Mason Tenders Assistant to the mason. Does not actually lay brick or block, stocks

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supplies, builds scaffolding, mixes mortar, performs saw cuts and does general clean up. Mixes, supplies, and holds materials or tools.

Mortar Mixers Mixes, handles, and conveys all other materials used by Masons, such as brick or stone. Cleans work area and equipment of Masons. Erects scaffolding of any height for use by Masons.

Plasterer's Tender Supplies and holds materials or tools. May mix and convey materials; may install overspray protection. Cleans work area and equipment of Plasterers. Erects scaffolding of any height for use by Plasterers. Operates stucco or fireproofing pumps.

Unskilled Performs a variety of tasks involving physical labor, including but not limited to digging, lifting, carrying, holding, mixing, spreading, and cleaning, and which may include the operation of tools powered by air, electricity, or gas. Assists with: layout; marking and cutting of materials; and assembling of these materials. Assists in the erection of safety items such as guard rails, ladders and platforms or scaffolds.

Lather Fastens wooden, metal, or rockboard lath to walls, ceilings, and partitions of buildings to provide supporting base for plaster, fireproofing, or acoustical material, using hand tools and portable power tools. Erects horizontal metal framework to which laths are fastened, using nails, bolts, and studgun. Drills holes in floor and ceiling, using portable electric tool, and drives ends of wooden or metal studs into holes to provide anchor for furring or rockboard lath. Wires horizontal strips to furring to stiffen framework. Cuts lath to fit openings and projections, using hand tools or portable power tools. Wires, nails, clips, or staples lath to framework, ceiling joists, and flat concrete surfaces. Bends metal lath to fit corners, or attaches preformed corner reinforcements. Wires plasterer's channels to overhead structural framework to provide support for plaster or acoustical ceiling tile.

**Painter
(Excluding Tapers/Finishers)** Applies coats of paint, varnish, stain, enamel, or lacquer to decorate and protect interior or exterior surfaces, trimmings, and fixtures of buildings and other structures. Reads work order or receives instructions from supervisor or homeowner regarding painting. Smooths surfaces, using sandpaper, brushes, or steel wool, and removes old paint from surfaces, using paint remover, scraper, wire brush, or blowtorch to prepare surfaces for painting. Fills nail holes, cracks, and joints with caulk, putty, plaster, or other filler, using caulking gun and putty knife. Selects premixed paints, or mixes required portions of pigment, oil, and thinning and drying substances to prepare paint that matches specified colors. Removes fixtures, such as pictures and electric switchcovers, from walls prior to painting, using screwdriver. Spreads dropcloths over floors and room furnishings, and covers surfaces, such as baseboards, doorframes, and windows with masking tape and paper to protect surfaces during painting. Paints surfaces, using brushes, spray gun, or paint rollers. Simulates wood grain, marble,

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brick, or tile effects. Applies paint with cloth, brush, sponge, or fingers to create special effects. Erects scaffolding or sets up ladders to perform tasks above ground level.

Plasterer

Applies coats of plaster to interior walls, ceilings, and partitions of buildings, to produce finished surface, according to blueprints, architect's drawings, or oral instructions, using hand tools and portable power tools. Directs workers to mix plaster to desired consistency and to erect scaffolds. Spreads plaster over lath or masonry base, using trowel, and smooths plaster with darby and float to attain uniform thickness. Applies scratch, brown, or finish coats of plaster to wood, metal, or board lath successively. Roughens undercoat with scratcher (wire or metal scraper) to provide bond for succeeding coats of plaster.

Power Equipment Operator:

Front End Loader

Operates a rubber-tired, skid steer, or crawler type tractor with an attached scoop type bucket on front end. Machine is used to load materials from stockpiles, excavation, charging batch plants, loading and unloading trucks. May be used with attachments in lieu of the bucket. May oil, grease or otherwise service and make necessary adjustments to equipment, as needed. Performs other related duties.

Roofers :

Kettlemen

Monitors the kettle for hot asphalt roofing, maintains equipment. Performs other related tasks.

Roofers

Covers roofs with roofing materials other than sheet metal, such as composition shingles or sheets, wood shingles, or asphalt and gravel, to waterproof roofs; cuts roofing paper to size, using a knife, and nails or staples it to roof in overlapping strips to form base for roofing materials; aligns roofing material with edge of roof, and overlaps successive layers, gauging distance of overlap with chalkline, gauge on shingling hatchet, or by lines on shingles; fastens composition shingles or sheets to roof with asphalt, cement, or nails; punches holes in slate, tile, terra cotta, or wooden shingles, using a punch and hammer; cuts strips of flashing and fits them into angles formed by walls, vents, and intersecting roof surfaces; when applying asphalt or tar and gravel to roof, mops or pours hot asphalt or tar onto roof base; applies alternate layers of hot asphalt or tar and roofing paper until roof covering is as specified; applies gravel or pebbles over top layer, using a rake or stiff-bristled broom; may construct and attach prefabricated roof sections to rafters; may attach shingles to exterior walls and apply roofing paper and tar to shower pans, decks, and promenades to waterproof surfaces; installs insulation in connection with roofer's work; sprays roofs, sidings, and walls with urethane or polyurethane foam to bind, seal, insulate, or soundproof sections of structures; flips switches to start generator, air compressor, and heaters; turns nozzle on spray gun to obtain specified consistency of mixture; directs foam onto surfaces, and determines thickness of foam, using a probe; and connects hose of nitrogen tank to spray compound supply tank when spraying is completed, and turns valves to inject nitrogen into supply tank to prevent crystallization of

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compounds in tank.

Waterproofers Preparation and application of special paints, adhesives or sealants and additives to various buildings, and construction or cement surfaces, usually through the use of pressure sprayer or applicator.

Sheet Metal Workers:

Other Work Cut, bend, and shape sheets of sheet metal for roofs, rain gutters, or siding. May work with plastic and fiberglass materials, and read plans and determine the type and amount of materials and then measure, bend, cut, shape, and attach pieces of sheet metal to make the products. They check the products for accuracy and perform any necessary adjustments. Sheet metal workers, other: may use specialized fastening devices such as bolts, rivets, screws and solder to attach the sheet metal sheets as siding, roofing, coverings to structures. Sheet Metal workers, other: use hand and power tools and equipment including shears, breaks, punches and forming presses, edging and crimping machines, hammers, grinders, etc.

Taper / Finisher Wallboard and plasterboard; sheetrock taper; taper and bedder; taper and floater; seals joints between plasterboard or other wallboards to prepare wall surface for painting or papering; mixes sealing compound by hand or with portable electric mixer, and spreads compound over joints between boards, using trowel, broad knife, or spatula. Presses paper tape over joint to embed tape into compound and seal joint, or tapes joint, using mechanical applicator that spreads compound and embeds tape in one operation. Spreads and smoothes cementing material over tape, using trowel or floating machine to blend joint with wall surface. Sands rough spots after cement has dried. Fills cracks and holes in walls and ceiling with sealing compound. Installs metal molding at corners in lieu of sealant and tape. Usually works as member of crew. May apply texturing compound and primer to walls and ceiling preparatory to final finishing, using brushes, roller, or spray gun. May countersink nails or screws below surface of wall prior to applying sealing compound, using hammer or screwdriver.

Truck Driver Drives truck with capacity of more than 3 tons, to transport materials to and from specified destinations. Drives truck to destination, applying knowledge of commercial driving regulations and area roads. Prepares receipts for load picked up. Collects payment for goods delivered and for delivery charges. May maintain truck log, according to state and federal regulations. May maintain telephone or radio contact with supervisor to receive delivery instructions. May load and unload truck. May inspect truck equipment and supplies, such as tires, lights, brakes, gas, oil, and water. May perform emergency roadside repairs, such as changing tires, installing light bulbs, tire chains, and spark plugs. May position blocks and tie rope around items to secure cargo during transit.