

Summary of Duties: Cuts, shapes, assembles, places, and ties steel rods, wire, and wire mesh to reinforce concrete; or assigns, reviews and evaluates the work of subordinates engaged in such work; applies supervisory principles and techniques in building and maintaining an effective work force; fulfills affirmative action responsibilities; and performs related work.

Distinguishing Features: A Reinforcing Steel Worker is a journey-level worker who is often responsible for laying out and detailing work from blueprints, sketches, and oral and written instructions. An employee of this class normally receives supervision from a supervisor in charge of many phases of construction. On large construction projects, supervision is received from a Reinforcing Steel Supervisor. Since the complexity of the job requires the reinforcing to be laid out and planned in detail, close control is normally exercised over the methods and practices employed. Work is normally reviewed upon completion for conformance to construction drawings and established standards.

In addition to supervising Reinforcing Steel Workers and helpers, a Reinforcing Steel Supervisor may supervise Welders engaged in any welding necessary in the fabrication and placing of reinforcing steel assemblies. A Reinforcing Steel Supervisor receives assignments in the form of oral and written instructions, blueprints, and sketches. Work is normally reviewed in terms of timeliness of completion and conformance to established standards. A Reinforcing Steel Supervisor plans, lays out, assigns, and explains work to be performed and inspects work in progress and upon completion.

Incumbents in the class of Reinforcing Steel Supervisor, as bona fide supervisors, are distinguished from lead workers in that they are responsible for the performance of the full range of supervisory activities including: application of discipline, processing and resolution of grievances, evaluation of performance and approval of time off requests.

The work of employees of these classes is distinguished from that of other steel workers in that it is confined almost entirely to the cutting, bending, and placing of reinforcing steel, wire and wire mesh. Employees of these classes frequently work from scaffolds and ladders.

Example of Duties: Reinforcing Steel Worker: Uses bolt cutters, shears, hickies, power benders, and bending plates to cut and bend reinforcing rods to specified shapes; determines dimensions of surface to be covered with wire mesh, cuts mesh, and bends it to desired shape; places reinforcing rods, wire, and wire mesh for the construction of concrete slabs, columns, foundations, walls, and a variety of concrete structures; wraps beams and columns with wire

mesh; ties rods and wire mesh into position with wire after determining the proper kind of tie for the work; fabricates cages used as reinforcement for concrete footing, columns, and foundations from rods and wire; may direct the placement of large cages by cranes or hoists; uses oxyacetylene torch for cutting rods or to perform incidental welding; and makes supporting chairs and stirrups as needed.

Reinforcing Steel Supervisor: Supervises a crew of Reinforcing Steel Workers and helpers and occasionally supervises Welders engaged in the fabrication of reinforcing steel assemblies; interprets construction drawings, orders, specifications, and bending schedules; determines methods and tools to be employed; sketches details of work; coordinates reinforcing steel work with that of other crafts; inspects work for conformance to construction drawings and established standards, such as the amount of lap on splices and clearance from forms, evidence of defects in materials and quality of work, and quantity of work performed; explains safe practices and enforces safety rules; approves time cards; makes oral and written reports of work progress and accidents; makes requisitions necessary for materials and supplies;

Communicates equal employment/affirmative action information to employees; applies job-related criteria in selecting, orienting, assigning, training, counseling, evaluating, and disciplining subordinates; assists employees in preparing for promotion as described in the City's Affirmative Action Program;

Both classes: May occasionally be assigned to other duties for training purposes or to meet technological changes or unexpected emergencies.

Qualifications:

	Reinforcing Steel Worker	Reinforcing Steel Supervisor
<u>Knowledges</u>		
Terminology, materials, methods, practices, tools, and equipment used, and construction standards required, in the cutting, bending, assembling, placing, and tying of reinforcing steel rods, wire mesh, and other reinforcing materials;	Good	Good

Qualifications:

	Reinforcing Steel Worker	Reinforcing Steel Supervisor
<u>Knowledges:</u>		
Safety principles and practices applicable to reinforcing steel work;	Working	Good

Supervisory principles and practices including: planning, delegating, and controlling the work of subordinates;		Good
Techniques of training, instructing and evaluation of subordinate work performance;		Good
Techniques for counseling, disciplining, and motivating subordinate personnel;		Good
Procedures for grievance handling;		Good
Supervisory responsibility for EEO/AA as set forth in the City's Affirmative Action Program;		Good
Other trades performing duties related to reinforced concrete works;	General	Working
Welding as applied to reinforcing steel work;	General	Working
City personnel rules, policies and procedures;		General
Memoranda of understanding as they apply to subordinate personnel;		General

		Reinforcing Steel
<u>Abilities:</u>	<u>Reinforcing Steel Worker</u>	<u>Reinforcing Steel Supervisor</u>

Apply methods, practices, tools, and equipment used, and construction standards required, in the cutting, bending, assembling, placing, and tying of reinforcing steel rods, wire mesh, and other reinforcing materials;	x	x
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Apply ties such as snap, straight, figure 8, "U", and saddle with and without round turns on vertical and horizontal bars;	x	x
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		Reinforcing Steel
<u>Abilities</u>	<u>Reinforcing Steel Worker</u>	<u>Reinforcing Steel Supervisor</u>

Work safely in high places;	x	x
Work from drawings, bending schedules, rough sketches, and oral and written instructions;	x	x
Lay out steel, plan work and procedures;	x	x
Detect flaws in material and quality of work and to determine their correction;		x
Instruct and supervise subordinates engaged in preparing and placing reinforcing steel;		x
Instruct and direct Welders in connection with the fabrication and placing of reinforcing steel and inspect their work;		x
Coordinate the work with that of other construction crafts;		x
Keeps records and make reports;		x
Establish and maintain a work environment to enhance both employee morale and productivity;		x
Apply sound supervisory principles and techniques;		x
Fulfill supervisory affirmative action responsibilities as indicated in the City's Affirmative Action Program;		x

Two years of experience in cutting, shaping, assembling, placing, and tying reinforcing steel, including rods and wire mesh, is required for Reinforcing Steel Worker.

Four years of experience as a journey-level reinforcing steel worker is required for Reinforcing Steel Supervisor.

License: Both Classes: A valid California driver's license and a good driving record are required.

Physical Requirements: Both Classes: Strength to perform average lifting up to 70 pounds and occasionally over 70 pounds; back and leg coordination involved in activities such as stooping, kneeling, and

crouching; arm, hand, and finger dexterity with both hands, involved in activities such as handling, feeling, and reaching; body agility and equilibrium involved in activities such as climbing and balancing; good eyesight; and good hearing ability.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the positions, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what duties and responsibilities of any position shall be.